



# Economic Survey of Maharashtra 2019-20



**DIRECTORATE OF ECONOMICS AND STATISTICS,  
PLANNING DEPARTMENT, GOVERNMENT OF MAHARASHTRA, MUMBAI**



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## **PREFACE**

The Economic Survey of Maharashtra is a concerted endeavor of Directorate of Economics and Statistics, Planning Department, which is prepared every year and the same is presented in the Budget Session before the State Legislature. The present publication for the year 2019-20 is the 59<sup>th</sup> issue in the series.

2. The latest available information related to various socio-economic sectors of the economy along with indicators and trends are provided. This publication provides time series data of important statistics for the State and selected socio-economic indicators of all states in India. In an effort to provide latest available data, some of the data / estimates are provisional.

3. This Directorate is thankful to the concerned Departments, Offices and Undertakings of the State and Central Government for providing useful information in time that enabled us to bring out this publication.

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Mumbai

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# ECONOMIC SURVEY OF MAHARASHTRA 2019-20

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## OVERVIEW OF THE STATE

Maharashtra occupies the western & central part of the India and has got 720 km long coastline along the Arabian Sea and is also fortified naturally by Sahyadri and Satpuda mountain ranges. The State is surrounded by Gujarat to the north west, Madhya Pradesh to the north, Chhattisgarh to the east, Telangana to the south east, Karnataka to the south and Goa to the south west. For administrative convenience, the State has been divided into 36 districts and six revenue divisions (viz. Konkan, Pune, Nashik, Aurangabad, Amravati and Nagpur). With a population of 11.24 crore, as per Population Census 2011 and with geographical area of about 3.08 lakh sq. km, the State ranks 2<sup>nd</sup> by population and 3<sup>rd</sup> in terms of geographical area. The State is highly urbanised with 45.2 per cent population living in towns.

The State enjoys tropical monsoon climate. The hot scorching summer from March onwards is followed by monsoon in early June. Maharashtra has also got blessings of nature as seen in its dense and rich forests and it hosts six Prime Tiger reserves and six National Parks.

The state capital Mumbai is not only home for leading corporate houses and firms but also has Asia's oldest Stock Exchange, the Bombay Stock Exchange.

State has taken lead in changing business atmosphere by adopting varied measures to increase 'Ease of Doing Business'. The recently launched Start Up policy is being held as pioneering by the innovative and creative industry, which aims at giving institutional and intellectual support to the new budding entrepreneurs. The policy underscores the State's take on big challenge of unemployment, by encouraging job creators rather than job seekers. Maharashtra is the 1<sup>st</sup> State to unveil Aerospace and Defence manufacturing policy and FinTech policy.

The grand response it garnered in 'Magnetic Maharashtra investors summit' has proved the fact that the State remains the top destination for investment owing well developed infrastructure, technological advancement, availability of skilled manpower, connectivity to major areas and abundant natural resources.

Climate change and Global warming are persisting threats for not only the State but also for the World. Considering this, Maharashtra has become the 1<sup>st</sup> State to launch its own Electric Vehicles policy for supporting production and use of 5 lakh vehicles in the State. This shows the States greater adherence to clean fuel and tackling global warming by encouraging sustainable transport system.

Maharashtra is not just a geographical expression but an entity built on collective efforts of its people. Varied customs and traditions co-exist peacefully in Maharashtra. The State is well known throughout the country for its rich music and dances. *Povadas*, *Bharuds*, *Gondhals* and *Lavnis* are the major forms of folk music in the State and represent the best that the Maharashtrian society has contributed in the field of music. Maharashtra celebrates all major religious festivals in a peaceful and harmonious manner. As such the State has played a significant role in the social and political sphere of the nation.

Monuments like Ajanta, Ellora & Elephanta caves, Gateway of India and architectural structures like Viharas and Chaityas are like magnets for tourists, which pull crowd from all over the world. The State has sizable contribution in sports, arts, literature and social services. The State is also home to 'Bollywood', a world famous entertainment industry and new soft power of India.

Maharashtra has time and again showed its pragmatic & progressive nature and the State is walking on the path of sustainable development step by step.

\* \* \* \* \*





## A. MAHARASHTRA AT A GLANCE

| Item<br>(1)                                                   | 1960-61<br>(2)    | 1970-71<br>(3) | 1980-81<br>(4) | 1990-91<br>(5)        | 2000-01<br>(6)      | 2010-11<br>(7)      | 2018-19<br>(8)          |
|---------------------------------------------------------------|-------------------|----------------|----------------|-----------------------|---------------------|---------------------|-------------------------|
| <b>1. Geographical Area-</b><br>( <sup>000</sup> sq. km)      | 306               | 308            | 308            | 308                   | 308                 | 308                 | 308                     |
| <b>2. Administrative Setup -</b>                              |                   |                |                |                       |                     |                     |                         |
| Revenue Divisions                                             | 4                 | 4              | 6              | 6                     | 6                   | 6                   | 6                       |
| Districts                                                     | 26                | 26             | 28             | 31                    | 35                  | 35                  | 36                      |
| Talukas                                                       | 229               | 235            | 301            | 303                   | 353                 | 355 <sup>@@</sup>   | 355 <sup>@@</sup>       |
| Inhabited villages                                            | 35,851            | 35,778         | 39,354         | 40,412                | 41,095              | 40,959              | 40,959                  |
| Un-inhabited villages                                         | 3,016             | 2,883          | 2,479          | 2,613                 | 2,616               | 2,706               | 2,706                   |
| Towns <sup>#</sup>                                            | 266               | 289            | 307            | 336                   | 378                 | 534                 | 534                     |
| <b>3. Population as per Census-</b><br>(in <sup>000</sup> )   | (1961)            | (1971)         | (1981)         | (1991)                | (2001)              | (2011)              | (2011)                  |
| Total                                                         | 39,554            | 50,412         | 62,784         | 78,937                | 96,879              | 1,12,374            | 1,12,374                |
| Males                                                         | 20,429            | 26,116         | 32,415         | 40,826                | 50,401              | 58,243              | 58,243                  |
| Females                                                       | 19,125            | 24,296         | 30,369         | 38,111                | 46,478              | 54,131              | 54,131                  |
| Rural                                                         | 28,391            | 34,701         | 40,791         | 48,395                | 55,778              | 61,556              | 61,556                  |
| Urban                                                         | 11,163            | 15,711         | 21,993         | 30,542                | 41,101              | 50,818              | 50,818                  |
| Scheduled Castes                                              | 2,227             | 3,177          | 4,480          | 8,758                 | 9,882               | 13,276              | 13,276                  |
| Scheduled Tribes                                              | 2,397             | 3,841          | 5,772          | 7,318                 | 8,577               | 10,510              | 10,510                  |
| Density of population<br>(per sq. km)                         | 129               | 164            | 204            | 257                   | 315                 | 365                 | 365                     |
| Literacy rate (per cent)                                      | 35.1              | 45.8           | 57.1           | 64.9                  | 76.9                | 82.3                | 82.3                    |
| Sex ratio (Females per<br>thousand males)                     | 936               | 930            | 937            | 934                   | 922                 | 929                 | 929                     |
| Urban population (per cent)                                   | 28.2              | 31.2           | 35.0           | 38.7                  | 42.4                | 45.2                | 45.2                    |
| <b>4. Nominal State Income –</b>                              |                   |                |                |                       |                     |                     |                         |
| State Income (₹ crore)                                        | 2,249             | 5,780          | 19,377         | 68,861                | 2,43,584            | 9,50,771            | 23,32,992 <sup>++</sup> |
| Agriculture & allied activities<br>sector (₹ crore)           | 585               | 1,078          | 3,756          | 12,326                | 32,711              | 1,22,932            | 2,15,264 <sup>++</sup>  |
| Industry Sector (₹ crore)                                     | 553               | 1,732          | 6,224          | 22,554                | 64,942              | 2,63,512            | 6,15,221 <sup>++</sup>  |
| Services Sector (₹ crore)                                     | 1,111             | 2,969          | 9,397          | 33,981                | 1,45,931            | 5,64,326            | 11,65,094 <sup>++</sup> |
| Per capita State income (₹)                                   | 576               | 1,168          | 3,112          | 8,811                 | 28,540              | 84,858              | 1,91,736 <sup>+</sup>   |
| <b>5. Rainfall-Per cent to Normal</b>                         |                   |                |                |                       |                     | 102.3               | 73.6                    |
| <b>6. Agriculture -(<sup>000</sup> ha)</b>                    |                   |                |                |                       |                     |                     | (2017-18)               |
| Net area sown                                                 | 17,878            | 17,668         | 18,299         | 18,565                | 17,844              | 17,406              | 16,942                  |
| Gross cropped area                                            | 18,823            | 18,737         | 19,642         | 21,859                | 21,619              | 23,175              | 23,268                  |
| Gross irrigated area                                          | 1,220             | 1,570          | 2,415          | 3,319                 | 3,852               | @                   | @                       |
| of which command area <sup>^</sup>                            | 226 <sup>\$</sup> | 422            | 718            | 1,076 <sup>\$\$</sup> | 1,764 <sup>##</sup> | 2,955 <sup>##</sup> | 3,597 <sup>###</sup>    |
| Percentage of gross irrigated<br>area to gross cropped area   | 6.5               | 8.4            | 12.3           | 15.2                  | 17.8                | NA                  | NA                      |
| <b>7. Area under principal crops-</b><br>( <sup>000</sup> ha) |                   |                |                |                       |                     |                     |                         |
| Rice                                                          | 1,300             | 1,352          | 1,459          | 1,597                 | 1,512               | 1,516               | 1,465                   |
| Wheat                                                         | 907               | 812            | 1,063          | 867                   | 754                 | 1,307               | 834                     |
| Jowar                                                         | 6,284             | 5,703          | 6,469          | 6,300                 | 5,094               | 4,060               | 2,440                   |
| Bajra                                                         | 1,635             | 2,039          | 1,534          | 1,940                 | 1,800               | 1,035               | 610                     |
| All cereals                                                   | 10,606            | 10,320         | 10,976         | 11,136                | 9,824               | 8,985               | 6,427                   |
| All pulses                                                    | 2,349             | 2,566          | 2,715          | 3,257                 | 3,557               | 4,038               | 4,002                   |
| All foodgrains                                                | 12,955            | 12,886         | 13,691         | 14,393                | 13,382              | 13,023              | 10,430                  |

NA Not Available @@ Excluding three Talukas of Mumbai city &amp; Mumbai suburban Districts

# Including census towns

+ First revised estimates (Base year 2011-12) † Nominal NSDP at market prices

†† Nominal NSVA at basic prices

Note: The estimates of State Income from 1960-61 to 2010-11 are at factor cost

@ Vide Water Resources Department, GoM G.R. dated 26<sup>th</sup> August 2016, instructions regarding procedure for collecting data are issued.

\$ 1961-62

\$\$ 1991-92

## This includes actual irrigation by project, canals, lift and water released in rivers and nallahs

^ Command area created by Water Resources Dept.

++ Source : Chief Auditor, Water and Irrigation, Aurangabad under Water Resources Department

### A. MAHARASHTRA AT A GLANCE

| Item<br>(1)                                                | 1960-61<br>(2) | 1970-71<br>(3) | 1980-81<br>(4) | 1990-91<br>(5) | 2000-01<br>(6)       | 2010-11<br>(7)       | 2018-19<br>(8)         |
|------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------------|----------------------|------------------------|
| Sugarcane area                                             | 155            | 204            | 319            | 536            | 687                  | 1,041                | NA                     |
| Sugarcane harvested area                                   | 155            | 167            | 258            | 442            | 595                  | 965                  | 1,163                  |
| Cotton                                                     | 2,500          | 2,750          | 2,550          | 2,721          | 3,077                | 3,942                | 4,219                  |
| Groundnut                                                  | 1,083          | 904            | 695            | 864            | 490                  | 395                  | 244                    |
| <b>8. Production of principal crops-</b><br>( '000 tonnes) |                |                |                |                |                      |                      |                        |
| Rice                                                       | 1,369          | 1,662          | 2,315          | 2,344          | 1,930                | 2,691                | 3,276                  |
| Wheat                                                      | 401            | 440            | 886            | 909            | 948                  | 2,301                | 1,249                  |
| Jowar                                                      | 4,224          | 1,557          | 4,409          | 5,929          | 3,988                | 3,452                | 1,197                  |
| Bajra                                                      | 489            | 824            | 697            | 1,115          | 1,087                | 1,123                | 332                    |
| All cereals                                                | 6,755          | 4,737          | 8,647          | 10,740         | 8,497                | 12,317               | 7,947                  |
| All pulses                                                 | 989            | 677            | 825            | 1,441          | 1,637                | 3,096                | 2,683                  |
| All foodgrains                                             | 7,744          | 5,414          | 9,472          | 12,181         | 10,134               | 15,413               | 10,630                 |
| Sugarcane                                                  | 10,404         | 14,433         | 23,706         | 38,154         | 49,569               | 85,691               | 89,771                 |
| Cotton (lint) <sup>#</sup>                                 | 1,673          | 484            | 1,224          | 1,875          | 1,803                | 7,473                | 6,593                  |
| Groundnut                                                  | 800            | 586            | 451            | 979            | 470                  | 470                  | 239                    |
| <b>9. Index of agricultural production<sup>@</sup></b>     | --             | --             | --             | 136.5          | 127.4                | 223.8                | 199.3                  |
| <b>10. Agriculture Census -</b>                            |                | (1970-71)      | (1980-81)      | (1990-91)      | (2000-01)            | (2010-11)            | (2015-16)              |
| Number of operational holdings ( '000)                     | --             | 4,951          | 6,863          | 9,470          | 12,138               | 13,699               | 15,285                 |
| Area of operational holdings ('000 ha)                     | --             | 21,179         | 21,362         | 20,925         | 20,103               | 19,767               | 20,506                 |
| Average size of operational holdings (ha)                  | --             | 4.28           | 3.11           | 2.21           | 1.66                 | 1.44                 | 1.34                   |
| <b>11. Livestock Census -</b>                              | (1966)         | (1978)         | (1987)         | (1997)         | (2007)               | (2012)               | (2019)                 |
| Total livestock ( '000)                                    | 25,449         | 29,642         | 34,255         | 39,638         | 35,955               | 32,489               | 33,080                 |
| Total poultry <sup>+</sup> ( '000)                         | 9,902          | 18,751         | 24,830         | 35,392         | 64,756 <sup>@@</sup> | 77,795 <sup>@@</sup> | 74,298 <sup>@@</sup>   |
|                                                            |                |                |                |                |                      | (2003)               | (2003)                 |
| Tractors                                                   | 1,427          | 3,274          | 12,917         | 34,529         | 79,893               | 1,05,611             | 1,05,611               |
| <b>12. Forest Area (sq.km)</b>                             | 63,544         | 62,311         | 64,222         | 63,798         | 61,935               | 61,939               | 61,936 <sup>*</sup>    |
| <b>13. Industrial Investment -</b>                         |                |                |                |                |                      | (2017) <sup>\$</sup> | (2019) <sup>\$\$</sup> |
| No. of projects approved                                   | --             | --             | --             | --             | --                   | 19,826               | 20,501                 |
| Proposed Investment (₹ crore)                              | --             | --             | --             | --             | --                   | 11,89,815            | 13,02,518              |
| <b>14. Electricity – (Million Kwh)</b>                     |                |                |                |                |                      |                      |                        |
| Total generation                                           | 3,268          | 7,925          | 17,864         | 36,430         | 61,209               | 83,017               | 1,27,059               |
| Total consumption                                          | 2,720          | 7,650          | 14,034         | 29,971         | 47,289               | 87,396               | 1,31,866               |
| Industrial consumption                                     | 1,853          | 5,312          | 8,130          | 14,706         | 18,363               | 34,416               | 47,164                 |
| Agricultural consumption                                   | 15             | 356            | 1,723          | 6,604          | 9,940                | 16,257               | 33,725                 |
| Domestic consumption                                       | 260            | 732            | 1,779          | 5,065          | 11,172               | 19,546               | 29,188                 |

\* Provisional      # Production of cotton in 170 kg per bale in '000 bales      @ Base Triennial Average 1979-82=100

\$ Since August 1991 to December      \$\$ Since August 1991 to August      NA Not Available

+ Total poultry includes Turkey, Quail and other birds.      @@ Total poultry includes birds in poultry farm.

## A. MAHARASHTRA AT A GLANCE

| Item<br>(1)                                   | 1960-61<br>(2) | 1970-71<br>(3) | 1980-81<br>(4) | 1990-91<br>(5)        | 2000-01<br>(6)        | 2010-11<br>(7) | 2018-19<br>(8)                 |
|-----------------------------------------------|----------------|----------------|----------------|-----------------------|-----------------------|----------------|--------------------------------|
| <b>15. Banking - (Scheduled Commercial)</b>   |                | (June, 1971)   | (June, 1981)   | (June, 1991)          | (June, 2001)          | (June, 2010)   | (31 <sup>st</sup> March, 2019) |
| Banking offices                               | NA             | 1,471          | 3,627          | 5,591<br>(March 1991) | 6,294<br>(March 2001) | 8,037          | 12,501                         |
| Banking offices for rural population          | NA             | 450            | 1,355          | 2,749                 | 2,294                 | 2,170          | 3,135                          |
| <b>16. Education<sup>+</sup> -</b>            |                |                |                |                       |                       |                |                                |
| Primary schools                               | 34,594         | 44,535         | 51,045         | 57,744                | 65,960                | 75,695         | 1,06,237                       |
| Enrolment ( '000)                             | 4,178          | 6,539          | 8,392          | 10,424                | 11,857                | 10,626         | 15,748                         |
| Secondary schools<br>(incl. higher secondary) | 2,468          | 5,313          | 6,119          | 10,519                | 15,389                | 21,357         | 24,872                         |
| Enrolment ( '000)                             | 858            | 1,985          | 3,309          | 6,260                 | 9,267                 | 10,711         | 6,608                          |
| <b>17. Health -</b>                           |                | (1971)         | (1981)         | (1991)                | (2001)                | (2011)         | ( 2018)                        |
| Hospitals                                     | NA             | 299            | 530            | 768                   | 1,102                 | 1,368          | 1,402                          |
| Dispensaries                                  | NA             | 1,372          | 1,776          | 1,896                 | 1,544                 | 3,012          | 3,087                          |
| Beds per lakh of population                   | NA             | 88             | 114            | 144                   | 106                   | 103            | 103                            |
|                                               |                |                |                |                       |                       |                | (2017)                         |
| Birth rate <sup>@</sup>                       | 34.7           | 32.2           | 28.5           | 26.2                  | 20.7                  | 16.7           | 15.7                           |
| Death rate <sup>@</sup>                       | 13.8           | 12.3           | 9.6            | 8.2                   | 7.5                   | 6.3            | 5.7                            |
| Infant mortality rate <sup>@</sup>            | 86             | 105            | 79             | 60                    | 45                    | 25             | 19                             |
| <b>18. Transport -</b>                        |                |                |                |                       |                       |                |                                |
| Railway route length (km)                     | 5,056          | 5,226          | 5,233          | 5,434                 | 5,459                 | 5,984          | 6,200                          |
| Total road length(km) <sup>†</sup>            | 39,241         | 65,364         | 1,41,131       | 1,72,965              | 2,16,968              | 2,41,712       | 3,01,267                       |
| of which surfaced                             | 24,852         | 35,853         | 66,616         | 1,32,048              | 1,78,999              | 2,21,182       | 2,39,459                       |
| Motor vehicles ( '000)                        | 100            | 312            | 805            | 2,641                 | 6,607                 | 16,990         | 37,121                         |
| <b>19. Co-operation -</b>                     |                |                |                |                       |                       |                |                                |
| Primary agricultural credit societies         | 21,400         | 20,420         | 18,577         | 19,565                | 20,551                | 21,451         | 20,747*                        |
| Membership ( lakh)                            | 22             | 38             | 54             | 79                    | 101                   | 150            | 147*                           |
| No. of co-op. societies                       | 31,565         | 42,597         | 60,747         | 1,04,620              | 1,58,016              | 2,24,306       | 2,06,414*                      |
| Membership (lakh)                             | 42             | 86             | 148            | 269                   | 430                   | 530            | 538*                           |
| Working capital of co-op. societies (₹ crore) | 291            | 1,489          | 5,210          | 24,284                | 1,34,440              | 2,48,434       | 3,85,330*                      |
| <b>20. Local Self-Govt. Institutions-</b>     |                |                |                |                       |                       |                | (2019-20) <sup>s</sup>         |
| Zilla Parishads                               | 25             | 25             | 25             | 29                    | 33                    | 33             | 34                             |
| Gram Panchayats                               | 21,636         | 22,300         | 24,281         | 25,827                | 27,735                | 27,913         | 27,875 <sup>#</sup>            |
| Panchayat Samitees                            | 295            | 296            | 296            | 298                   | 321                   | 351            | 351                            |
| Municipal Councils                            | 219            | 221            | 220            | 228                   | 228                   | 222            | 241                            |
| Municipal Corporations                        | 3              | 4              | 5              | 11                    | 15                    | 23             | 27                             |
| Nagar Panchayat                               | --             | --             | --             | --                    | 3                     | 4              | 128                            |
| Cantonment Boards                             | 7              | 7              | 7              | 7                     | 7                     | 7              | 7                              |

\* Provisional

@ As per Sample Registration Scheme

NA Not Available

† Roads maintained by P.W.D. and Z.P. \$ As per State Election Commission (As on 31.12.2019) # As per Local Government Directory

+ The source of this information has been changed from year 2011-12. The information is categorised as Primary (std 1 to 8) and Secondary (including higher secondary) (std.9 to 12). Earlier the information was categorised as Primary (std 1 to 7) and Secondary (including higher secondary) (std.8 to 12) and source for this information is *Maharashtra Prathamik Shikshan Parishad*

**B. COMPARISON OF MAHARASHTRA AND INDIA**

| Item<br>(1)                                                              | Unit<br>(2)                   | Maharashtra<br>(3) | India<br>(4) | Comparison<br>with India<br>(Percentage)<br>(5) |
|--------------------------------------------------------------------------|-------------------------------|--------------------|--------------|-------------------------------------------------|
| <b>1. Population (2011)</b>                                              |                               |                    |              |                                                 |
| 1.1 Total population                                                     | ('000)                        | 1,12,374           | 12,10,855    | 9.3                                             |
| (a) Males                                                                | -"                            | 58,243             | 6,23,270     | 9.3                                             |
| (b) Females                                                              | -"                            | 54,131             | 5,87,585     | 9.2                                             |
| 1.2 (a) Rural population                                                 | ('000)                        | 61,556             | 8,33,749     | 7.4                                             |
| (b) Proportion of rural population<br>to total population                | Per cent                      | 54.8               | 68.9         | --                                              |
| 1.3 (a) Urban population                                                 | ('000)                        | 50,818             | 3,77,106     | 13.5                                            |
| (b) Proportion of urban<br>population to total population                | Per cent                      | 45.2               | 31.1         | --                                              |
| 1.4 Sex Ratio                                                            | Females per<br>thousand males | 929                | 943          | --                                              |
| 1.5 Decadal growth rate of population<br>(2001-2011)                     | Per cent                      | 16.0               | 17.7         | --                                              |
| 1.6 Literacy rate                                                        | -"                            | 82.3               | 73.0         | --                                              |
| 1.7 Population of scheduled castes<br>and scheduled tribes               | ('000)                        | 23,786             | 3,05,924     | 7.8                                             |
| 1.8 Total workers                                                        | -"                            | 49,428             | 4,81,889     | 10.3                                            |
| 1.9 Geographical area                                                    | Lakh sq. km.                  | 3.08               | 32.9         | 9.4                                             |
| <b>2. Agriculture (2015-16)</b>                                          |                               |                    |              |                                                 |
| 2.1 Net area sown                                                        | ('000 ha)                     | 17,191             | 1,39,506     | 12.3                                            |
| 2.2 Gross cropped area                                                   | -"                            | 22,863             | 1,97,054     | 11.6                                            |
| 2.3 Gross irrigated area                                                 | -"                            | NA                 | 96,622       | --                                              |
| 2.4 Percentage of gross irrigated area<br>to gross cropped area          | Per cent                      | NA                 | 49.0         | --                                              |
| 2.5 Area under principal crops<br>(average for years 2015-16 to 2017-18) |                               |                    |              |                                                 |
| (i) Rice                                                                 | ('000 ha)                     | 1,496              | 43,756       | 3.4                                             |
| (ii) Wheat                                                               | -"                            | 1,069              | 30,285       | 3.5                                             |
| (iii) Jowar                                                              | -"                            | 2,833              | 5,575        | 50.8                                            |
| (iv) Bajra                                                               | -"                            | 809                | 7,356        | 11.0                                            |
| (v) All cereals                                                          | -"                            | 7,468              | 98,601       | 7.6                                             |
| (vi) All foodgrains (cereals and pulses)                                 | -"                            | 11,505             | 1,26,658     | 9.1                                             |
| (vii) Sugarcane Area                                                     | -"                            | NA                 | 4,700        | --                                              |
| Sugarcane Harvested Area                                                 | -"                            | 841                | NA           | --                                              |
| (viii) Cotton                                                            | -"                            | 4,119              | 11,901       | 34.6                                            |
| (ix) Groundnut                                                           | -"                            | 318                | 4,941        | 6.4                                             |

NA Not Available

**B. COMPARISON OF MAHARASHTRA AND INDIA (contd.)**

| Item<br>(1)                                                                                               | Unit<br>(2)  | Maharashtra<br>(3)     | India<br>(4)             | Comparison<br>with India<br>(Percentage)<br>(5) |
|-----------------------------------------------------------------------------------------------------------|--------------|------------------------|--------------------------|-------------------------------------------------|
| <b>3. Livestock census</b>                                                                                |              |                        |                          |                                                 |
| 3.1 Total livestock* (2019)                                                                               | (000)        | 33,080                 | 5,36,761                 | 6.2                                             |
| 3.2 Wheel Tractors (2003)                                                                                 | —            | 106                    | 2,361                    | 4.5                                             |
| 3.3 Diesel engines & Electric pumps<br>for irrigation (2003)                                              | —            | 1,174                  | 15,684                   | 7.5                                             |
| <b>4. Forests</b>                                                                                         |              |                        |                          |                                                 |
| 4.1 Total forest area (2019)                                                                              | Sq.k.        | 61,936*                | 7,67,419                 | 8.1                                             |
| <b>5. Industry</b>                                                                                        |              |                        |                          |                                                 |
| 5.1 Industrial Investment <sup>\$\$</sup>                                                                 |              |                        |                          |                                                 |
| (a) Projects approved                                                                                     | Number       | 20,501                 | 1,14,286                 | 17.9                                            |
| (b) Proposed investment                                                                                   | ₹ crore      | 13,02,518              | 1,26,09,697              | 10.3                                            |
| <b>6. Electricity (2018-19)</b>                                                                           |              |                        |                          |                                                 |
| 6.1 Total generation                                                                                      | Million kwh. | 1,27,059               | 13,71,780                | 9.3                                             |
| 6.2 Total consumption <sup>#</sup>                                                                        | —            | 1,31,866               | 10,24,528                | 12.9                                            |
| 6.3 (a) Industrial consumption                                                                            | —            | 47,164                 | 3,41,088                 | 13.8                                            |
| (b) Percentage of industrial<br>consumption to total consumption                                          | Per cent     | 35.8                   | 33.3                     | --                                              |
| <b>7. Banking (Scheduled commercial)<br/>(March, 2019)</b>                                                |              |                        |                          |                                                 |
| 7.1 Banking offices                                                                                       | Number       | 12,501                 | 1,41,756                 | 8.8                                             |
| 7.2 Rural Banking Offices (March, 2019)                                                                   | —            | 3,135                  | 50,081                   | 6.3                                             |
| <b>8. State / National Income (2018-19)</b>                                                               |              |                        |                          |                                                 |
| 8.1 Nominal Gross State Domestic<br>Product (GSDP) / Nominal Gross<br>Domestic Product (GDP) <sup>†</sup> | ₹ crore      | 26,32,792 <sup>+</sup> | 1,89,71,237 <sup>+</sup> | 13.9                                            |
| 8.2 Nominal Income                                                                                        | ₹ crore      | 23,32,992 <sup>+</sup> | 1,67,89,288 <sup>+</sup> | 13.9                                            |
| 8.3 Per capita income at current prices                                                                   | ₹            | 1,91,736 <sup>+</sup>  | 1,26,521 <sup>+</sup>    | --                                              |

\$\$ From August, 1991 to August, 2019

+ First revised estimates

† GSDP / GDP are at market prices

# Electrical energy sales to ultimate consumers through distribution licensees.

\* Provisional







# 1 State Economy







# 1. STATE ECONOMY

## State Income

1.1 As per the advance estimates, the State economy is expected to grow by 5.7 per cent during 2019-20, while the Indian economy is expected to grow by 5.0 per cent. During 2019-20, the 'Agriculture & allied activities', 'Industry' and 'Services' sectors are expected to grow by 3.1 per cent, 3.3 per cent and 7.6 per cent respectively. As per the advance estimates, nominal (at current prices) Gross State Domestic Product (GSDP) for 2019-20 is expected to be ₹ 28,78,583 crore and real (at constant 2011-12 prices) GSDP is expected to be ₹ 21,54,446 crore.

- The average share of State's contribution is highest (14.3 per cent) among all states in All-India nominal GDP.
- Nominal GSDP is expected to increase by ₹ 2,45,791 crore during 2019-20 as compared to 2018-19
- *Per capita* State Income during 2019-20 is expected at ₹ 2,07,727

1.2 As per the first revised estimates, nominal GSDP for 2018-19 is ₹ 26,32,792 crore as against ₹ 23,82,570 crore for 2017-18. Real GSDP is ₹ 20,39,074 crore for 2018-19 as against ₹ 19,23,797 crore for 2017-18. The *Per capita* State Income for 2018-19 is ₹ 1,91,736 as against ₹ 1,75,121 for 2017-18.

### *Per capita* State Income and Nominal GSDP

(Base year 2011-12)

| Particulars                        | 2011-12   | 2012-13   | 2013-14   | 2014-15   | 2015-16   | 2016-17 <sup>+++</sup> | 2017-18 <sup>++</sup> | 2018-19 <sup>+</sup> | 2019-20 <sup>\$</sup> |
|------------------------------------|-----------|-----------|-----------|-----------|-----------|------------------------|-----------------------|----------------------|-----------------------|
| <i>Per capita</i> State Income (₹) | 99,597    | 1,12,092  | 1,25,261  | 1,32,836  | 1,46,815  | 1,63,738               | 1,75,121              | 1,91,736             | 2,07,727              |
| Nominal GSDP (₹ Crore)             | 12,80,369 | 14,59,629 | 16,49,647 | 17,79,138 | 19,66,225 | 21,98,324              | 23,82,570             | 26,32,792            | 28,78,583             |

+++ Third revised estimates

++ Second revised estimates

+ First revised estimates

\$ Advance estimates

### *Per capita* State Income of selected states during 2018-19

(Base year 2011-12)

| Particulars                        | Haryana  | Karnataka | Telangana | Tamil Nadu | Maharashtra | Andhra Pradesh | Madhya Pradesh | Uttar Pradesh |
|------------------------------------|----------|-----------|-----------|------------|-------------|----------------|----------------|---------------|
| <i>Per capita</i> State Income (₹) | 2,26,644 | 2,10,887  | 2,05,696  | 1,93,750   | 1,91,736    | 1,64,025       | 90,998         | 61,351        |

### World Gross Product Growth Rate for 2020

| Particulars                          | World | Developed Economies | Developing Economies | Least Developed Economies | United States of America | Japan | China | India <sup>\$</sup> | Maharashtra <sup>^^</sup> |
|--------------------------------------|-------|---------------------|----------------------|---------------------------|--------------------------|-------|-------|---------------------|---------------------------|
| Gross product growth rate (per cent) | 2.5   | 1.5                 | 4.0                  | 5.1                       | 1.7                      | 0.9   | 6.0   | 5.0 <sup>^</sup>    | 5.7 <sup>^^</sup>         |

\$ for 2019-20

<sup>^</sup> First Advance Estimates as per National Statistical Office, GoI

<sup>^^</sup> Advance estimates as per Directorate of Economics and Statistics, GoM

## Prices

1.3 Average Consumer Price Index (CPI) (base year 2003) for rural and urban areas in the State from April, 2019 to December, 2019 was 298.1 and 282.2 respectively as against 273.0 and 265.7 respectively from April, 2018 to December, 2018. The year-on-year rate of inflation based on average CPI during April, 2019 to December, 2019 was 9.2 per cent for rural areas and 6.2 per cent for urban areas as against 0.6 per cent and 1.9 per cent respectively from April, 2018 to December, 2018.

➤ *Shiv Bhojan* at ₹ 10 per thali is being provided in all the districts of the State to the poor and needy people since 26<sup>th</sup> January, 2020

1.4 During 2019-20 upto December, *AADHAAR* seeding of 146.03 lakh ration cards out of total eligible 150.58 lakh ration cards covered under the National Food Security Act (NFSA) and nine lakh ration cards out of total

eligible 9.16 lakh ration cards covered under Above Poverty Line (APL) farmers from drought prone 14 districts has been completed.

1.5 Point of Sale (PoS) devices have been installed in 52,423 Fair Price Shops (FPS) across the State for distribution of foodgrains. About 1.39 crore families availed ration with *AADHAAR* based biometric authentication in December, 2019.

1.6 'One Nation, One Ration Card' is being implemented in India from 1<sup>st</sup> January, 2020. Under the scheme, beneficiaries can buy subsidised foodgrains from FPS in any part of the country by way of portability using PoS devices.

## Public finance

➤ The percentage of fiscal deficit to GSDP is 2.1 per cent and debt stock to GSDP is 16.4 per cent as per 2019-20 (BE); both indicators are within fiscal limits prescribed by 14<sup>th</sup> Finance Commission.

➤ As per 2019-20 (BE), the share of capital receipts in total receipts and capital expenditure in total expenditure are 22.2 per cent and 17.3 per cent respectively.

➤ Share of development expenditure in revenue expenditure is 68.0 per cent as per 2019-20 (BE)

1.7 The revenue receipts of the State are ₹ 3,14,640 crore for 2019-20 (BE) as against ₹ 2,86,500 crore during 2018-19 (RE). The tax and non-tax revenue (including central grants) as per 2019-20 (BE) are ₹ 2,57,455 crore and ₹ 57,185 crore respectively. Actual revenue receipts during April to December, 2019 were ₹ 2,14,376 crore (68.1 per cent of BE) showing an increase of 12.8 per cent over the corresponding period of 2018-19 (RE).

1.8 The revenue expenditure of the State is ₹ 3,34,933 crore as per 2019-20 (BE) as against ₹ 3,01,460 crore during 2018-19 (RE).

1.9 Revenue deficit, fiscal deficit and debt stock are ₹ 20,293 crore, ₹ 61,670 crore and ₹ 4,71,642 crore respectively as per 2019-20 (BE).

## Institutional finance

1.10 As on 31<sup>st</sup> March, 2019 aggregate bank deposits and gross credit of scheduled commercial banks in the State were ₹ 25.50 lakh crore and ₹ 27.15 lakh crore respectively. Credit-Deposit Ratio was 106.5 per cent as on 31<sup>st</sup> March, 2019.

- Nandurbar district is identified to be 100 per cent digitally enabled district by 15<sup>th</sup> August, 2020
- The Maharashtra's share in aggregate deposits and gross credit of scheduled commercial banks as on 31<sup>st</sup> March, 2019 was 20.3 per cent and 27.7 per cent respectively at All-India level
- Annual Credit Plan size for Priority Sector of the State for 2019-20 is ₹ 4.24 lakh crore

1.11 The share of 'Agriculture & allied activities' sector is 20.6 per cent and that of 'MSME (Micro, small, medium enterprises, *khadi* & village industry)' sector is 55.5 per cent in the Annual credit plan for priority sector for 2019-20.

1.12 Maharashtra is the leading State in terms of disbursement of loans under *Pradhan Mantri MUDRA Yojana*. During 2018-19, total loans of ₹ 25,742 crore were disbursed to 43.86 lakh beneficiaries in the State of which 37.51 lakh were under '*Shishu*', 5.10 lakh under '*Kishor*' and 1.25 lakh under '*Tarun*' category.

## Agriculture & allied activities

1.13 The State received 112.6 per cent of the normal rainfall during monsoon 2019. Out of 355 talukas (excluding talukas in Mumbai City & Mumbai suburban districts) in the State, 152 talukas received excess rainfall, 182 received normal and 21 received deficient rainfall.

1.14 The State ranks 11<sup>th</sup> in average size of operational holding (1.34 ha) amongst all states, as per Agriculture Census 2015-16. The total area of small & marginal (upto 2.0 ha) operational holdings was 92.20 lakh ha constituting 45 per cent of the total area of operational holdings whereas number of small and marginal operational holdings were 121.55 lakh which were 79.5 per cent of the total number of operational holdings.

1.15 During *kharif* season of 2019-20, sowing was completed on 149.61 lakh ha area. The production of cereals, pulses, oilseeds and cotton is expected to increase by nine per cent, three per cent, one per cent and 24 per cent respectively, while the production of sugarcane is expected to decrease by 36 per cent over the previous year.

1.16 During 2019-20, area under *rabi* crops is 50.87 lakh ha which is 5.6 per cent more as compared to the previous year. The production of cereals and pulses is expected to increase by 43 per cent and 23 per cent respectively while production of oilseeds is expected to decrease by 24 per cent over the previous year.

1.17 The area under horticulture crops is 16.50 lakh ha and production is expected to be 242.71 lakh MT during 2019-20 as against area of 16.51 lakh ha and production of 230.35 lakh MT during 2018-19.

## Rainfall and Crop production in the State

| Particulars                        | 2011-12                           | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 <sup>#</sup> |
|------------------------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|----------------------|
| Rainfall<br>(percentage to normal) | 102.3                             | 90.3    | 124.6   | 70.2    | 59.4    | 94.9    | 84.3    | 73.6                 |
| Crop                               | Production ('000 MT) <sup>s</sup> |         |         |         |         |         |         |                      |
| Cereals                            | 10,276                            | 8,667   | 10,677  | 9,259   | 7,210   | 12,646  | 10,944  | 7,947                |
| Pulses                             | 2,225                             | 2,262   | 3,114   | 2,019   | 1,545   | 4,584   | 3,684   | 2,683                |
| Total                              |                                   |         |         |         |         |         |         |                      |
| Foodgrains                         | 12,501                            | 10,929  | 13,791  | 11,278  | 8,755   | 17,230  | 14,628  | 10,630               |
| Oilseeds                           | 4,485                             | 5,087   | 5,294   | 2,850   | 2,436   | 5,113   | 4,208   | 4,885                |
| Sugarcane                          | 86,733                            | 69,648  | 76,901  | 84,699  | 73,680  | 54,237  | 83,138  | 89,771               |
| Cotton (Lint) <sup>@</sup>         | 7,200                             | 7,655   | 8,834   | 7,000   | 7,500   | 10,755  | 6,094   | 6,593                |
| Fruits                             | 10,538                            | 9,785   | 13,458  | 11,090  | 9,750   | 10,630  | 11,729  | 10,778               |
| Vegetables                         | 8,778                             | 8,008   | 10,162  | 8,783   | 9,452   | 10,520  | 12,307  | 11,472               |

\$ Includes *Kharif*, *Rabi* and Summer

@ Production of cotton in '000 bales of 170 kg each

#Final estimates

➤ 'Mahatma Jyotirao Phule Shetkari Karjamukti Yojana 2019' has been approved to waive off overdue loans borrowed during 1<sup>st</sup> April, 2015 to 31<sup>st</sup> March, 2019 upto ₹ two lakh, including principle & interest, as on 30<sup>th</sup> September, 2019, without any limit of size of land holding. The State Government has provided ₹ 15,000 crore during 2019-20 for implementation

1.18 Irrigation potential created as on 30<sup>th</sup> June, 2019 by major, medium and minor irrigation (State sector) projects was 51.23 lakh ha and actual irrigated area was 35.97 lakh ha (70.2 per cent) during 2018-19. Irrigation potential created as on 30<sup>th</sup> June 2019, by minor irrigation (local sector) projects was 18.96 lakh ha and potential utilised was 8.49 lakh ha (44.8 per cent) during 2018-19.

1.19 As on 15<sup>th</sup> October, 2018 live storage in the major, medium & minor irrigation (State sector) reservoirs taken together was 23,004 million cubic metre, which was 52.8 per cent of the storage capacity as per the project design.

1.20 During 2019-20, the annual target for agriculture & allied activities sector in annual credit plan was ₹ 87,322 crore. During 2019-20 upto December, crop loan of ₹ 24,897 crore was disbursed through financial institutions as against ₹ 31,283 crore during 2018-19. During 2019-20 upto September, agricultural term loans of ₹ 18,147 crore were disbursed as against ₹ 36,631 crore during 2018-19.

1.21 During 2018-19, Primary Agricultural Credit Co-operative Societies (PACS) disbursed loans of ₹ 12,010 crore to farmers.

1.22 During June to August, 2018 about 37,988 ha area was affected by heavy rainfall and flood. Compensation of ₹ 139.19 crore was sanctioned during 2019-20. During *Rabi* season of 2018-19, drought situation affected about 64,231 ha area from three talukas in the State, for which compensation of ₹ 56.61 crore was sanctioned during 2019-20. Scarcity situation during *kharif* season of 2019 affected two talukas in two districts viz. Ambejogai in Beed district & Paranda in Osmanabad district. Severe drought was declared in Ambejogai and moderate in Paranda. Unseasonal rains during October-November, 2019 due to cyclones 'Kyar' and 'Maha', affected agriculture and horticulture crops from 349 takukas in 34 districts in the State. Compensation for maximum two ha plantation, ₹ 8,000 per hectare for agriculture crops and ₹ 18,000 per hectare for horticulture crops was sanctioned.

1.23 The total milk production was 116.54 lakh MT during 2018-19 as against 111.02 lakh MT during 2017-18. During 2018-19, the average daily collection of milk by the government and co-operative dairies was 1.79 lakh litre and 49.14 lakh litre respectively whereas the corresponding figures during 2017-18 were 0.89 lakh litre and 49.16 lakh litre respectively.

1.24 During 2018-19, marine and inland fish production was 4.67 lakh MT and 1.00 lakh MT respectively. During 2017-18, it was 4.75 lakh MT and 1.31 lakh MT respectively.

1.25 Forest area of the State at the end of 2018-19 was 61,936 sq km.

## Industry and co-operation

➤ Chief Minister Employment Generation Programme has been launched for unemployed youth. The scheme will cover manufacturing as well as service sector units. Eligible persons aged between 18 to 45 years will be trained and promoted for self-employment. The project cost limit is ₹ 50 lakh for manufacturing sector and ₹ 10 lakh for services / business sector for which equity to be converted into back end subsidy, which will be provided by State government against bank loans. The salient features of programme are :

- Promotion of self-employment - At least one lakh micro-enterprises
- Creation of employment opportunities - At least 10 lakh
- Entrepreneurship Development Programme for Youth - two lakh youths

➤ The number of Startups in the State has increased from 2,587 in December, 2018 to 4,324 in September 2019

➤ Foreign Direct Investment inflows during 2019-20 upto September, in the State was ₹ 25,316 crore

➤ The State government has decided to provide funds of ₹ 100 crore for Mumbai Tourism Project, ₹ 23 crore for *Shivneri Fort* & ₹ 20 crore for *Raigad Fort*

1.26 From August, 1991 to August, 2019 in all 20,501 industrial proposals with proposed investment of ₹ 13,02,518 crore were approved. Of these, 9,099 projects were commissioned (44.4 per cent) with an investment of ₹ 3,06,862 crore (23.6 per cent) and generated employment of about 13.23 lakh.

1.27 The FDI inflows in the State since April, 2000 to September, 2019 was ₹ 7,39,306 crore, which was 29 per cent of total FDI inflows at All-India level.

1.28 In the State, upto December, 2019 about 14.90 lakh Micro, Small and Medium enterprises (MSMEs) have obtained Udyog *Aadhaar* number with an investment of ₹ 2,13,400 crore and 78.92 lakh employment.

1.29 As per Annual Survey of Industries 2017-18, the State is at the top position in terms of Gross Value Added (₹ 2,64,903 crore) which is 18.0 per cent of Gross Value Added at All-India level.

1.30 Aurangabad Industrial City (AURIC), a well planned and greenfield smart industrial city based on the concept of 'walk to work', is being developed across an area of 10,000 acres in the State as a part of Delhi-Mumbai Industrial Corridor. Around 53 plots in AURIC have already been allotted to the investors. Total investment in AURIC is more than ₹ 5,000 crore and employment generated is about 2,500.

1.31 As per the 'India Tourism Statistics At a Glance - 2019' report, the State had 11.91 crore domestic tourist visits and 0.51 crore foreign tourist visits during 2018.

1.32 As on 31<sup>st</sup> March, 2019 there were about 2.06 lakh co-operative societies, with about 5.38 crore members therein. Of these, 10 per cent were in agricultural credit, 10 per cent were in non-agricultural credit and 80 per cent were engaged in other activities.

## Infrastructure

### Energy

- Installed capacity of generating electricity as on 31<sup>st</sup> March, 2019 and electricity generated during 2018-19 in the State was highest in the country
- State ranks third in terms of installed capacity of renewable energy
- State ranks second in consumption of major petroleum products during 2018-19

1.33 During 2018-19 total electricity generated was 1,61,297 Million Units (MU) (including electricity received from central sector) and total consumption of electricity during 2018-19 in the State was 1,31,866 MU.

1.34 During 2019-20 upto December, average peak demand was 17,611 MW with surplus of 2,768 MW. During 2018-19 the average peak demand of MAHADISCOM was 18,478 MW with surplus of 1,336 MW.

1.35 During 2018-19, transmission losses of MAHATRANSCO, distribution losses and 'Aggregate Technical & Commercial' (AT & C) losses of MAHADISCOM were 3.11 per cent, 13.63 per cent and 17.41 per cent respectively.

### Transport

1.36 At the end of March 2019, the total road length maintained by PWD and ZP was about 3.01 lakh km.

- Navi Mumbai Metro with estimated cost of ₹ 3,064 crore, Nagpur Metro with estimated cost of ₹ 8,680 crore and Pune Metro with estimated cost of ₹ 11,420 crore are in progress
- Under Mumbai Metro Rail Project, works of Dahisar - Charkop - Bandra - Mankhurd (₹ 17,396 crore), Colaba - Bandra - SEEPZ (₹ 23,136 crore), Wadala - Kasarvadavali - Gaimukh (₹ 15,498 crore), Thane - Bhiwandi - Kalyan (₹ 8,417 crore), Swami Samarth Nagar - Vikhroli (₹ 6,672 crore) and Andheri Dahisar - Mira Bhayandar (₹ 12,815 crore) are in progress
- Mumbai Trans Harbour Link project with estimated cost of ₹ 17,843 crore is in progress to smoothen traffic flow and accelerate growth of Navi Mumbai
- Navi Mumbai International Airport is being developed with estimated cost of ₹ 16,704 crore

1.37 '*Hindu Hridayasamrat Balasaheb Thakre Maharashtra Samruddhi Mahamarg*' is a proposed eight lane expressway (701 km long and 120 metre wide) connecting Mumbai and Nagpur. Total estimated cost of this project is ₹ 55,335.32 crore. The total land required is 9,599.99 ha of which 8,311.15 ha (87 per cent) is acquired.

1.38 The total number of vehicles on road in the State as on 1<sup>st</sup> January, 2020 was 371 lakh (123 vehicles per km road length) whereas on 1<sup>st</sup> January, 2019 it was 348 lakh (115 vehicles per km road length).

1.39 During 2018-19, total cargo traffic handled by major and non-major ports was 1,715.39 lakh MT as against 1,612.84 lakh MT during the previous year.

1.40 During 2018-19, domestic and international cargo handled by airports in the State was 3.45 lakh MT and 6.78 lakh MT

respectively, whereas the corresponding figures for 2017-18 were 3.09 lakh MT and 6.49 lakh MT respectively. During 2018-19 the passenger traffic from domestic and international airports was 468.12 lakh and 146.33 lakh respectively, whereas the corresponding figures for 2017-18 were 454.17 lakh and 138.33 lakh respectively.

1.41 During 2018-19, on an average per day Maharashtra State Road Transport Corporation (MSRTC) has effectively operated 16,414 buses by covering 55.83 lakh km and carrying 65.96 lakh passengers.

### **Social sector**

1.42 During 2018-19, number of primary schools (class I to VIII) were 1,06,237 with enrolment of 157.4 lakh. During 2018-19, number of secondary & higher secondary schools (class IX to XII) were 27,446 with enrolment of 66.1 lakh.

1.43 As per All-India Survey of Higher Education, enrolment in higher education was 42.3 lakh in 2018-19. The gender parity index in higher education was 0.9 in 2018-19.

- Infant Mortality Rate for 2017 was 19
- Under Five Mortality Rate, Neo-Natal Mortality Rate and Total Fertility Rate were 21, 13 and 1.7 respectively in 2017
- Maternal Mortality Ratio during 2015-17 was 55
- State has already achieved the target set under SDG for Under five Mortality Rate and Maternal Mortality Ratio
- Under Maharashtra State Rural Livelihood Mission, total credit linkage of ₹ 726.60 crore was disbursed to 48,754 Self Help Groups during 2019-20 upto November
- Two Cluster Universities have been established in the State

1.44 In the State all 34 Districts, 351 Panchayat Samitis and 27,668 Gram Panchayats were declared as Open Defecation Free (ODF) on 18<sup>th</sup> April, 2018 under *Swachh Bharat* Mission (Rural).

1.45 Under *Swachh Bharat* Mission (Urban), 384 cities in the State were declared as ODF on 1<sup>st</sup> October, 2017. Under *Swachh Maharashtra Abhiyan* (Urban), 230 cities have been declared as ODF+ and 62 cities as ODF++ upto November, 2019.

1.46 Under Integrated *Mahatma Jyotiba Phule Jan Arogya Yojana* and *Pradhanmantri Jan Arogya Yojana*, about 4.44 lakh surgeries and therapies were conducted and an expenditure incurred was ₹ 906.96 crore during 2019-20 upto December.

1.47 Maharashtra Human Development Programme is being implemented in 125 most backward talukas in rural areas and 'C' class Municipal Councils. To address the issues of poverty with emphasis on development of livelihood opportunities on priority basis in 27 talukas, 'Action room to Reduce Poverty' has been setup in collaboration with UNDP.

\* \* \* \* \*







## 2 Population





## 2. POPULATION

2.1 As per the Population Census 2011, population of the State is 11.24 crore, which is 9.3 per cent of All-India population. The State is second largest populous state in India after Uttar Pradesh. The State has a population density of 365 per sq km. Average household size in the State is 4.6 as against 4.9 at All-India level. Population of Maharashtra and All-India are given in Table 2.1.

**Table 2.1 Population of Maharashtra and All-India**

(Crore)

| Population       |                | Maharashtra |              | All-India     |               |
|------------------|----------------|-------------|--------------|---------------|---------------|
|                  |                | 2001        | 2011         | 2001          | 2011          |
| Rural            | Male           | 2.85        | 3.15         | 38.16         | 42.78         |
|                  | Female         | 2.73        | 3.00         | 36.09         | 40.60         |
|                  | Persons        | 5.58        | 6.15         | 74.25         | 83.38         |
| Urban            | Male           | 2.19        | 2.67         | 15.06         | 19.55         |
|                  | Female         | 1.92        | 2.41         | 13.56         | 18.16         |
|                  | Persons        | 4.11        | 5.08         | 28.62         | 37.71         |
| <b>Total</b>     | <b>Male</b>    | <b>5.04</b> | <b>5.82</b>  | <b>53.22</b>  | <b>62.33</b>  |
|                  | <b>Female</b>  | <b>4.65</b> | <b>5.41</b>  | <b>49.65</b>  | <b>58.76</b>  |
|                  | <b>Persons</b> | <b>9.69</b> | <b>11.24</b> | <b>102.87</b> | <b>121.09</b> |
| Scheduled Castes | Male           | 0.51        | 0.68         | 8.61          | 10.35         |
|                  | Female         | 0.48        | 0.65         | 8.05          | 9.79          |
|                  | Persons        | 0.99        | 1.33         | 16.66         | 20.14         |
| Scheduled Tribes | Male           | 0.44        | 0.53         | 4.26          | 5.25          |
|                  | Female         | 0.42        | 0.52         | 4.17          | 5.20          |
|                  | Persons        | 0.86        | 1.05         | 8.43          | 10.45         |

Source : ORGI

Note : Figures may not add up due to rounding

2.2 As per Population Census 2011, Mumbai Suburban district has the highest (20,925 per sq km) population density while Gadchiroli has the lowest (74 per sq km) population density in the State. Decadal population growth in the State has reduced by 6.7 per cent points during 2001-11 whereas it has reduced by 3.8 per cent points at All-India level. Important Population indicators of selected states are given in Table 2.2. Population of Maharashtra and India as per censuses is given in Annexure 2.1, rural and urban population in Maharashtra based on censuses is given in Annexure 2.2 and districtwise population indicators as per Census 2011 are given in Annexure 2.3.

**Graph 2.1 : Decadal population growth rate**

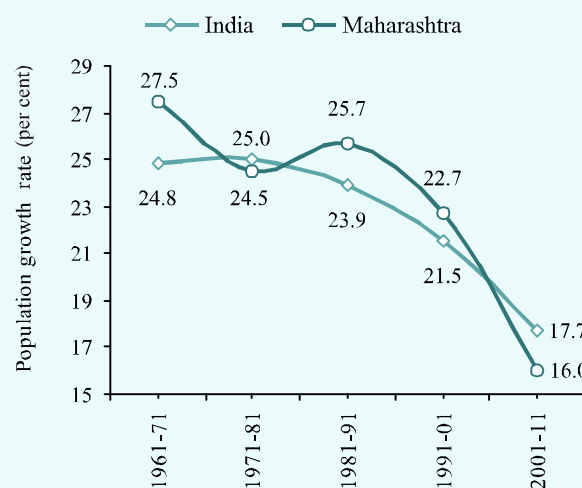




**Table 2.2 Important Population indicators of selected states**

| State                       | Decennial growth rate (per cent) |             | Population density (per sq km) |            | Urban population (per cent) |             | Percentage of slum population to urban population |             |
|-----------------------------|----------------------------------|-------------|--------------------------------|------------|-----------------------------|-------------|---------------------------------------------------|-------------|
|                             | 2001                             | 2011        | 2001                           | 2011       | 2001                        | 2011        | 2001                                              | 2011        |
| Andhra Pradesh <sup>@</sup> | 14.6                             | 11.0        | 277                            | 308        | 27.3                        | 33.4        | 24.9                                              | 36.1        |
| Gujarat                     | 22.7                             | 19.3        | 258                            | 308        | 37.4                        | 42.6        | 9.9                                               | 6.5         |
| Karnataka                   | 17.5                             | 15.6        | 276                            | 319        | 34.0                        | 38.7        | 7.8                                               | 13.9        |
| Kerala                      | 9.4                              | 4.9         | 819                            | 860        | 26.0                        | 47.7        | 0.8                                               | 1.3         |
| Madhya Pradesh              | 24.3                             | 20.4        | 196                            | 236        | 26.5                        | 27.6        | 15.1                                              | 28.4        |
| <b>Maharashtra</b>          | <b>22.7</b>                      | <b>16.0</b> | <b>315</b>                     | <b>365</b> | <b>42.4</b>                 | <b>45.2</b> | <b>27.3</b>                                       | <b>23.3</b> |
| Rajasthan                   | 28.4                             | 21.3        | 165                            | 200        | 23.4                        | 24.9        | 9.8                                               | 12.1        |
| Tamil Nadu                  | 11.7                             | 15.6        | 480                            | 555        | 44.0                        | 48.4        | 15.4                                              | 16.6        |
| Uttar Pradesh               | 25.9                             | 20.2        | 690                            | 829        | 20.8                        | 22.3        | 12.7                                              | 14.0        |
| <b>All-India</b>            | <b>21.5</b>                      | <b>17.7</b> | <b>325</b>                     | <b>382</b> | <b>27.8</b>                 | <b>31.1</b> | <b>14.9</b>                                       | <b>17.4</b> |

Source : ORGI

<sup>@</sup> Including Telangana

2.3 Some selected population indicators of Maharashtra and All-India are given in Table 2.3.

**Table 2.3 Selected population indicators of Maharashtra and All-India**

| Indicators                                                              |                   | Maharashtra |      | All-India |      |
|-------------------------------------------------------------------------|-------------------|-------------|------|-----------|------|
|                                                                         |                   | 2001        | 2011 | 2001      | 2011 |
| Average household <sup>#</sup> size                                     | Rural             | 5.0         | 4.7  | 5.4       | 5.0  |
|                                                                         | Urban             | 4.9         | 4.6  | 5.1       | 4.7  |
|                                                                         | Total             | 5.0         | 4.6  | 5.3       | 4.9  |
| Sex ratio                                                               | Rural             | 960         | 952  | 946       | 949  |
|                                                                         | Urban             | 873         | 903  | 900       | 929  |
|                                                                         | Total             | 922         | 929  | 933       | 943  |
| Child sex ratio                                                         | Rural             | 916         | 890  | 934       | 923  |
|                                                                         | Urban             | 908         | 899  | 906       | 905  |
|                                                                         | Total             | 913         | 894  | 927       | 918  |
| Literacy rate                                                           | Male              | 86.0        | 88.4 | 75.3      | 80.9 |
|                                                                         | Female            | 67.0        | 75.9 | 53.7      | 64.6 |
|                                                                         | Persons           | 76.9        | 82.3 | 64.8      | 73.0 |
| Percentage of households <sup>#</sup> by availability of drinking water | Within premises   | 53.4        | 59.4 | 39.0      | 46.6 |
|                                                                         | Near the premises | 34.3        | 27.6 | 44.3      | 35.8 |
|                                                                         | Away              | 12.3        | 13.1 | 16.7      | 17.6 |
| Percentage of households <sup>#</sup> by source of fuel for cooking     | LPG               | 29.7        | 43.4 | 17.5      | 28.5 |
|                                                                         | Firewood          | 46.6        | 42.6 | 52.5      | 49.0 |
|                                                                         | Kerosene          | 15.2        | 6.5  | 6.5       | 2.9  |
|                                                                         | Other             | 8.2         | 6.8  | 23.0      | 19.2 |
| Percentage of households <sup>#</sup> by source of lighting             | Electricity       | 77.5        | 83.9 | 55.8      | 67.2 |
|                                                                         | Kerosene          | 21.5        | 14.5 | 43.3      | 31.4 |
|                                                                         | Other             | 0.5         | 0.7  | 0.5       | 0.8  |
|                                                                         | No lighting       | 0.5         | 0.9  | 0.3       | 0.5  |
| Percentage of households <sup>#</sup> by availability of latrine        | Flush latrine     | 21.9        | 43.5 | 18.0      | 36.4 |
|                                                                         | Pit latrine       | 8.9         | 8.8  | 11.5      | 9.4  |
|                                                                         | Other latrine     | 4.3         | 0.9  | 6.9       | 1.1  |
|                                                                         | No latrine        | 64.9        | 46.9 | 63.6      | 53.1 |
| Percentage of female headed households                                  |                   | 10.1        | 12.9 | 10.4      | 13.2 |
| Percentage of households <sup>#</sup> availing banking services         |                   | 48.1        | 68.9 | 35.5      | 58.7 |

Source : ORGI

<sup>#</sup> Excluding institutional households

## Migration

2.4 As per the Population Census 2011, on the basis of migration by last residence (duration 0-9 years), about 94.07 lakh persons moved from one place to another place within the district, while about 72.67 lakh persons moved from one district to another district of the State. About 38.13 lakh persons migrated from other states to the State and the number of 'In-migrants from abroad' were about 1.20 lakh. The total in-migrants to the State were about 39.33 lakh while the number of persons who migrated to the other states were about 12.52 lakh. Information of migration in the State based on migrants by last residence (duration 0-9 years) is given in Table 2.4.

**Table 2.4 Information of migration in the State based on migrants by last residence (duration 0-9 yrs)**

| (Lakh)                            |              |              |              |                              |                              |
|-----------------------------------|--------------|--------------|--------------|------------------------------|------------------------------|
| Type of migration                 | 1991         | 2001         | 2011         | Per cent change<br>1991-2001 | Per cent change<br>2001-2011 |
| Intra-district                    | 48.65        | 74.51        | 94.07        | 53.2                         | 26.3                         |
| Inter-district                    | 31.47        | 50.55        | 72.67        | 60.6                         | 43.8                         |
| <b>Total in-migrants (i + ii)</b> | <b>16.43</b> | <b>32.80</b> | <b>39.33</b> | <b>99.6</b>                  | <b>19.9</b>                  |
| i) From other states              | 16.13        | 32.32        | 38.13        | 100.4                        | 18.0                         |
| ii) From abroad                   | 0.30         | 0.48         | 1.20         | 60.0                         | 150.0                        |
| Out-migrants (to other states)    | 7.70         | 8.97         | 12.52        | 16.5                         | 39.6                         |

Source : ORGI

Note : Figures may not add up due to rounding

2.4.1 'In-migrants from other states' were mostly observed in Mumbai Suburban, Thane, Pune and Mumbai City districts during the period of last three decades. Greater Mumbai area has shown meagre increase (0.26 lakh) in number of 'In-migrants from other states' during 2001-2011.

### Reasons for migration

2.4.2 'Marriage' has emerged as the biggest reason for migration in 'Intra-district' category followed by 'Moved with household' and 'Moved after birth'. In 'Inter-district' category the main reason for migration was 'Moved with household', followed by 'Marriage' and 'Work/employment'. Most of the 'In-migrants from other states' have migrated due to the reason of 'Work/employment' followed by 'Moved with household' and 'Marriage'. The female migration was greater than male migration in 'Intra-district' and 'Inter-district' categories due to reasons of 'Marriage' and 'Moved with household'. Reasons for migration by last residence (duration 0-9 years) are given in Table 2.5.

**Table 2.5 Reasons for migration by last residence (duration 0-9 years)**

(Lakh)

| Reason               |                | Types of migration |             |             |                |             |             |                               |             |             |                         |            |            |
|----------------------|----------------|--------------------|-------------|-------------|----------------|-------------|-------------|-------------------------------|-------------|-------------|-------------------------|------------|------------|
|                      |                | Intra-district     |             |             | Inter-district |             |             | In-migrants from other states |             |             | In-migrants from abroad |            |            |
|                      |                | 1991               | 2001        | 2011        | 1991           | 2001        | 2011        | 1991                          | 2001        | 2011        | 1991                    | 2001       | 2011       |
| Work / employment    | Male           | 3.2                | 7.7         | 7.2         | 3.8            | 9.3         | 10.9        | 3.5                           | 12.6        | 12.4        | 0.1                     | 0.2        | 0.3        |
|                      | Female         | 0.7                | 1.6         | 1.9         | 0.6            | 1.6         | 2.3         | 0.3                           | 1.0         | 1.3         | Neg.                    | Neg.       | Neg.       |
|                      | Persons        | 3.9                | 9.3         | 9.1         | 4.4            | 10.9        | 13.1        | 3.7                           | 13.6        | 13.7        | 0.1                     | 0.2        | 0.3        |
| Business             | Male           | 1.6                | 0.2         | 0.2         | 1.5            | 0.2         | 0.3         | 1.5                           | 0.3         | 0.3         | Neg.                    | Neg.       | Neg.       |
|                      | Female         | 0.5                | 0.1         | 0.2         | 0.5            | Neg.        | 0.2         | 0.2                           | Neg.        | 0.1         | Neg.                    | Neg.       | Neg.       |
|                      | Persons        | 2.2                | 0.2         | 0.4         | 2.1            | 0.2         | 0.5         | 1.7                           | 0.3         | 0.4         | Neg.                    | Neg.       | Neg.       |
| Education            | Male           | 2.1                | 1.8         | 1.8         | 1.1            | 1.1         | 1.3         | 0.5                           | 0.6         | 0.6         | Neg.                    | Neg.       | Neg.       |
|                      | Female         | 0.9                | 0.8         | 1.0         | 0.4            | 0.4         | 0.7         | 0.2                           | 0.2         | 0.2         | Neg.                    | Neg.       | Neg.       |
|                      | Persons        | 3.0                | 2.5         | 2.8         | 1.5            | 1.5         | 2.0         | 0.7                           | 0.7         | 0.8         | Neg.                    | Neg.       | Neg.       |
| Marriage             | Male           | 0.2                | 0.2         | 0.8         | 0.1            | 0.1         | 0.5         | 0.1                           | 0.1         | 0.2         | Neg.                    | Neg.       | Neg.       |
|                      | Female         | 17.1               | 25.0        | 28.7        | 8.0            | 11.2        | 17.5        | 3.0                           | 4.6         | 6.0         | Neg.                    | Neg.       | 0.2        |
|                      | Persons        | 17.3               | 25.2        | 29.5        | 8.1            | 11.3        | 18.0        | 3.1                           | 4.7         | 6.3         | Neg.                    | Neg.       | 0.2        |
| Moved after birth    | Male           | \$                 | 6.4         | 9.1         | \$             | 3.2         | 4.6         | \$                            | 1.1         | 1.4         | \$                      | Neg.       | 0.1        |
|                      | Female         | \$                 | 5.8         | 7.9         | \$             | 2.9         | 4.1         | \$                            | 1.0         | 1.3         | \$                      | Neg.       | 0.1        |
|                      | Persons        | \$                 | 12.2        | 17.1        | \$             | 6.0         | 8.8         | \$                            | 2.2         | 2.6         | \$                      | Neg.       | 0.1        |
| Moved with household | Male           | 4.9                | 6.7         | 8.7         | 3.8            | 6.2         | 8.6         | 1.8                           | 3.1         | 3.9         | Neg.                    | Neg.       | 0.2        |
|                      | Female         | 6.2                | 9.6         | 11.0        | 5.4            | 9.3         | 11.8        | 2.7                           | 5.0         | 5.9         | 0.1                     | 0.1        | 0.2        |
|                      | Persons        | 11.0               | 16.3        | 19.7        | 9.2            | 15.5        | 20.4        | 4.5                           | 8.1         | 9.8         | 0.1                     | 0.1        | 0.4        |
| Others               | Male           | 5.7                | 4.6         | 8.2         | 3.2            | 2.8         | 5.2         | 1.3                           | 1.6         | 2.5         | Neg.                    | Neg.       | 0.1        |
|                      | Female         | 5.7                | 4.2         | 7.4         | 3.1            | 2.4         | 4.7         | 1.2                           | 1.2         | 2.0         | Neg.                    | Neg.       | 0.1        |
|                      | Persons        | 11.4               | 8.8         | 15.5        | 6.3            | 5.1         | 9.9         | 2.4                           | 2.8         | 4.5         | 0.1                     | 0.1        | 0.2        |
| <b>Total</b>         | <b>Male</b>    | <b>17.7</b>        | <b>27.5</b> | <b>36.0</b> | <b>13.5</b>    | <b>22.8</b> | <b>31.3</b> | <b>8.6</b>                    | <b>19.2</b> | <b>21.3</b> | <b>0.2</b>              | <b>0.3</b> | <b>0.6</b> |
|                      | <b>Female</b>  | <b>31.0</b>        | <b>47.0</b> | <b>58.1</b> | <b>17.9</b>    | <b>27.8</b> | <b>41.3</b> | <b>7.5</b>                    | <b>13.1</b> | <b>18.9</b> | <b>0.1</b>              | <b>0.2</b> | <b>0.6</b> |
|                      | <b>Persons</b> | <b>48.7</b>        | <b>74.5</b> | <b>94.1</b> | <b>31.5</b>    | <b>50.6</b> | <b>72.7</b> | <b>16.1</b>                   | <b>32.3</b> | <b>38.1</b> | <b>0.3</b>              | <b>0.5</b> | <b>1.2</b> |

\$ Reason of migration was not included in Census 1991

Neg. Negligible

Note: Figures may not add up due to rounding

Source : ORGI

## Population with disability

2.5 As per the Population Census 2011, Maharashtra (29.63 lakh) has highest number of disabled persons after Uttar Pradesh (41.58 lakh). The disabled population of the age group 5-19 years accounts for 23.1 per cent of the disabled persons of the State. Of the total disabled persons in the State, 19.4 per cent were having disability in seeing, 16.0 per cent each were having disability in hearing and speech respectively. The percentage of disabled persons having disability in movement was 18.5. Of the total disabled persons in the State, Thane district (8.5 per cent) has highest number of disabled persons, followed by Mumbai Suburban (8.2 per cent) and Pune (7.8 per cent) districts. Percentage distribution of disabled persons in the State by type of disability and level of education as per Census 2011 is given in Table 2.6.

**Table 2.6 Percentage distribution of disabled persons in the State by type of disability and level of education as per Census 2011**

( per cent)

| Educational Level                                                     | Total disabled population | Type of disability |              |              |              |                    |                |              |              |
|-----------------------------------------------------------------------|---------------------------|--------------------|--------------|--------------|--------------|--------------------|----------------|--------------|--------------|
|                                                                       |                           | In seeing          | In hearing   | In speech    | In movement  | Mental retardation | Mental illness | Any other    | Multiple     |
| Illiterate                                                            | 32.4                      | 33.2               | 30.6         | 25.9         | 26.9         | 51.9               | 39.0           | 31.7         | 51.8         |
| Literate without education levels & education levels not classifiable | 5.3                       | 4.5                | 4.9          | 5.6          | 5.2          | 6.8                | 7.8            | 5.3          | 6.2          |
| Literate but below primary                                            | 13.9                      | 14.2               | 13.8         | 13.3         | 14.4         | 16.5               | 11.8           | 12.9         | 15.1         |
| Primary but below middle                                              | 13.6                      | 14.0               | 14.0         | 14.4         | 14.1         | 10.3               | 12.1           | 13.6         | 10.1         |
| Middle but below matric/secondary                                     | 9.8                       | 9.6                | 9.7          | 10.2         | 11.8         | 5.4                | 9.7            | 10.4         | 5.6          |
| Matric/Secondary but below graduate                                   | 18.2                      | 17.8               | 19.3         | 21.5         | 20.5         | 7.0                | 15.0           | 19.1         | 8.9          |
| Graduate & above                                                      | 6.8                       | 6.8                | 7.7          | 9.1          | 7.0          | 2.0                | 4.6            | 6.8          | 2.2          |
| <b>Total</b>                                                          | <b>100.0</b>              | <b>100.0</b>       | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>       | <b>100.0</b>   | <b>100.0</b> | <b>100.0</b> |

Source : ORGI

Note : Figures may not add up due to rounding

2.5.1 Of the total disabled persons in the State, 42.1 per cent were workers. Among disabled workers, 23.1 per cent were cultivators, 27.4 per cent were agricultural labourers, three per cent were household industry workers and remaining 46.5 per cent were other workers. Percentage distribution of disabled workers by class of workers and type of disability as per Census 2011 is given in Table 2.7.

**Table 2.7 Percentage distribution of disabled workers by class of workers and type of Disability as per Census 2011**

(per cent)

| Type of disability  | Disabled workers | Class of workers |                        |                            |               |
|---------------------|------------------|------------------|------------------------|----------------------------|---------------|
|                     |                  | Cultivators      | Agricultural labourers | Household industry workers | Other Workers |
| In seeing           | 19.4             | 19.3             | 20.3                   | 19.0                       | 19.0          |
| In hearing          | 16.9             | 15.9             | 15.6                   | 18.1                       | 18.1          |
| In speech           | 19.9             | 21.7             | 15.8                   | 21.6                       | 21.6          |
| In movement         | 19.2             | 20.3             | 21.2                   | 17.4                       | 17.4          |
| Mental retardation  | 2.5              | 2.6              | 3.1                    | 2.1                        | 2.1           |
| Mental illness      | 1.1              | 1.3              | 1.7                    | 0.8                        | 0.8           |
| Any other           | 18.1             | 16.1             | 18.8                   | 18.7                       | 18.7          |
| Multiple disability | 2.8              | 2.9              | 3.4                    | 2.3                        | 2.3           |
| <b>Total</b>        | <b>100.0</b>     | <b>100.0</b>     | <b>100.0</b>           | <b>100.0</b>               | <b>100.0</b>  |

Source : ORGI

Note : Figures may not add up due to rounding

## Slum population

2.6 About 10.5 per cent population of the State resides in slums as against 5.4 per cent at All-India level. The State accounts for about 18.1 per cent of the total slum population and 17.8 per cent of the total slum households of All-India. Average size of the slum household is about 4.7 both at the State and All-India level. Population, households and size of households in slums in selected states as per Census 2011 is given in Table 2.8.

**Table 2.8 Population, households<sup>#</sup> and size of households<sup>#</sup> in slums in selected states as per Census 2011**

| State                       | Slum          |               | Household size in slums |              |              |              |              |              |             |
|-----------------------------|---------------|---------------|-------------------------|--------------|--------------|--------------|--------------|--------------|-------------|
|                             | Population    | Households    |                         |              |              |              |              |              |             |
|                             |               |               | 1                       | 2            | 3            | 4            | 5            | 6-8          | 9 & above   |
| Andhra Pradesh <sup>@</sup> | 101.87        | 24.21         | 0.82                    | 2.81         | 4.10         | 7.77         | 4.60         | 3.59         | 0.52        |
| Gujarat                     | 16.80         | 3.60          | 0.14                    | 0.34         | 0.46         | 0.75         | 0.73         | 0.98         | 0.20        |
| Karnataka                   | 32.91         | 7.28          | 0.24                    | 0.65         | 1.07         | 1.86         | 1.47         | 1.65         | 0.34        |
| Kerala                      | 2.02          | 0.55          | 0.02                    | 0.07         | 0.09         | 0.16         | 0.10         | 0.09         | 0.03        |
| Madhya Pradesh              | 56.89         | 10.87         | 0.39                    | 0.87         | 1.22         | 2.24         | 2.27         | 3.09         | 0.80        |
| <b>Maharashtra</b>          | <b>118.48</b> | <b>24.50</b>  | <b>0.95</b>             | <b>2.21</b>  | <b>3.49</b>  | <b>5.90</b>  | <b>4.95</b>  | <b>5.63</b>  | <b>1.37</b> |
| Rajasthan                   | 20.68         | 3.83          | 0.12                    | 0.30         | 0.40         | 0.74         | 0.79         | 1.16         | 0.33        |
| Tamil Nadu                  | 57.98         | 14.52         | 0.60                    | 1.91         | 2.79         | 4.67         | 2.63         | 1.76         | 0.17        |
| Uttar Pradesh               | 62.40         | 9.93          | 0.23                    | 0.58         | 0.90         | 1.58         | 1.82         | 3.55         | 1.28        |
| <b>All-India</b>            | <b>654.95</b> | <b>137.49</b> | <b>5.04</b>             | <b>13.12</b> | <b>20.54</b> | <b>34.48</b> | <b>26.63</b> | <b>30.52</b> | <b>7.17</b> |

Source : ORGI # Excluding institutional households @ Including Telangana Note : Figures may not add up due to rounding

## Houseless Population

2.7 Houseless population in the State and at All-India level decreased in 2011 as compared to 2001. Average size of houseless household in the State was 3.7 and 3.9 at All-India level in 2011. Houseless households and houseless population in the State and All-India are given in Table 2.9.

**Table 2.9 Houseless households and houseless population in the State and All-India**

| Area       | Maharashtra |             |             |             | All-India   |             |              |              |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
|            | Households  |             | Population  |             | Households  |             | Population   |              |
|            | 2001        | 2011        | 2001        | 2011        | 2001        | 2011        | 2001         | 2011         |
|            |             |             |             |             |             |             |              |              |
| Rural      | 0.57        | 0.25        | 2.36        | 1.00        | 2.60        | 1.93        | 11.65        | 8.35         |
| Urban      | 0.31        | 0.33        | 1.05        | 1.11        | 1.88        | 2.57        | 7.79         | 9.38         |
| <b>All</b> | <b>0.87</b> | <b>0.57</b> | <b>3.41</b> | <b>2.11</b> | <b>4.48</b> | <b>4.50</b> | <b>19.43</b> | <b>17.73</b> |

Source : ORGI

Note : Figures may not add up due to rounding

\* \* \* \* \*



## ANNEXURE 2.1

## POPULATION OF MAHARASHTRA AND INDIA AS PER CENSUSES

| Census Year | Population (crore) |                    | Decennial growth rate (per cent) |                   | Literacy rate (per cent) <sup>££</sup> |                    |
|-------------|--------------------|--------------------|----------------------------------|-------------------|----------------------------------------|--------------------|
|             | Maharashtra        | India              | Maharashtra                      | India             | Maharashtra                            | India              |
| (1)         | (2)                | (3)                | (4)                              | (5)               | (6)                                    | (7)                |
| 1961        | 3.96               | 43.92              | 23.6                             | 21.5              | 35.1                                   | 28.3               |
| 1971        | 5.04               | 54.82              | 27.5                             | 24.8              | 45.8                                   | 34.5               |
| 1981        | 6.28               | 68.52              | 24.5                             | 25.0              | 55.8                                   | 43.7 <sup>§</sup>  |
| 1991        | 7.89               | 84.63 <sup>£</sup> | 25.7                             | 23.9 <sup>£</sup> | 64.9                                   | 52.2 <sup>@@</sup> |
| 2001        | 9.69               | 102.87             | 22.7                             | 21.5              | 76.9                                   | 64.8               |
| 2011        | 11.24              | 121.09             | 16.0                             | 17.7              | 82.3                                   | 73.0               |

Source : ORGI

£ Including projected population of Jammu & Kashmir.

££ Literacy rates for 1961 and 1971 relate to population aged 5 years and above. The literacy rates for the years 1981, 1991, 2001 and 2011 relate to population aged 7 years and above.

§ Literacy rate excludes Assam and Jammu & Kashmir.

@@ Literacy rate excludes Jammu & Kashmir.

## ANNEXURE 2.2

## RURAL AND URBAN POPULATION IN THE STATE BASED ON CENSUSES

| Year | Population (crore) |       |       |       |         | Percentage of urban population to total population | Sex ratio |       |       | Population density (per sq. km) |
|------|--------------------|-------|-------|-------|---------|----------------------------------------------------|-----------|-------|-------|---------------------------------|
|      | Rural              | Urban | Total | Males | Females |                                                    | Rural     | Urban | Total |                                 |
| (1)  | (2)                | (3)   | (4)   | (5)   | (6)     | (7)                                                | (8)       | (9)   | (10)  | (11)                            |
| 1961 | 2.84               | 1.12  | 3.96  | 2.04  | 1.91    | 28.2                                               | 995       | 801   | 936   | 129                             |
| 1971 | 3.47               | 1.57  | 5.04  | 2.61  | 2.43    | 31.2                                               | 985       | 820   | 930   | 164                             |
| 1981 | 4.08               | 2.20  | 6.28  | 3.24  | 3.04    | 35.0                                               | 967       | 850   | 937   | 204                             |
| 1991 | 4.84               | 3.05  | 7.89  | 4.08  | 3.81    | 38.7                                               | 972       | 875   | 934   | 257                             |
| 2001 | 5.58               | 4.11  | 9.69  | 5.04  | 4.65    | 42.4                                               | 960       | 873   | 922   | 315                             |
| 2011 | 6.16               | 5.08  | 11.24 | 5.82  | 5.41    | 45.2                                               | 952       | 903   | 929   | 365                             |

Source - ORGI

Note - Figures may not add up to totals due to rounding.

## ANNEXURE 2.3

## DISTRICTWISE POPULATION CHARACTERISTICS AS PER CENSUS 2011

| Sr. No. | District                   | Population ('000) |               |                 | Decennial growth rate (per cent) (2001-2011) | Literacy rate (per cent) |             |             | Sex ratio  | Child sex ratio (0-6 years) |
|---------|----------------------------|-------------------|---------------|-----------------|----------------------------------------------|--------------------------|-------------|-------------|------------|-----------------------------|
|         |                            | Male              | Female        | Total           |                                              | Male                     | Female      | Total       |            |                             |
| (1)     | (2)                        | (3)               | (4)           | (5)             | (6)                                          | (7)                      | (8)         | (9)         | (10)       | (11)                        |
| 1       | Mumbai City                | 1,685             | 1,401         | 3,085           | (-) 7.6                                      | 91.5                     | 86.5        | 89.2        | 832        | 914                         |
| 2       | Mumbai Suburban            | 5,031             | 4,326         | 9,357           | 8.3                                          | 92.9                     | 86.4        | 89.9        | 860        | 913                         |
| 3       | Thane <sup>#</sup>         | 5,865             | 5,195         | 11,060          | 36.0                                         | 88.7                     | 79.8        | 84.5        | 886        | 924                         |
| 4       | Raigad                     | 1,344             | 1,290         | 2,634           | 19.3                                         | 89.1                     | 76.9        | 83.1        | 959        | 935                         |
| 5       | Ratnagiri                  | 761               | 854           | 1,615           | (-) 4.8                                      | 90.9                     | 74.5        | 82.2        | 1,122      | 936                         |
| 6       | Sindhudurg                 | 417               | 432           | 850             | (-) 2.2                                      | 91.6                     | 79.8        | 85.6        | 1,036      | 922                         |
|         | <b>Konkan Division</b>     | <b>15,104</b>     | <b>13,498</b> | <b>28,601</b>   | <b>14.9</b>                                  | <b>90.7</b>              | <b>82.0</b> | <b>86.6</b> | <b>894</b> | <b>921</b>                  |
| 7       | Nashik                     | 3,157             | 2,950         | 6,107           | 22.3                                         | 88.2                     | 76.1        | 82.3        | 934        | 890                         |
| 8       | Dhule                      | 1,054             | 997           | 2,051           | 20.1                                         | 79.5                     | 65.8        | 72.8        | 946        | 898                         |
| 9       | Nandurbar                  | 833               | 815           | 1,648           | 25.7                                         | 72.2                     | 56.5        | 64.4        | 978        | 944                         |
| 10      | Jalgaon                    | 2,197             | 2,033         | 4,230           | 14.9                                         | 85.4                     | 70.6        | 78.2        | 925        | 842                         |
| 11      | Ahmednagar                 | 2,343             | 2,200         | 4,543           | 12.4                                         | 86.8                     | 70.9        | 79.1        | 939        | 852                         |
|         | <b>Nashik Division</b>     | <b>9,585</b>      | <b>8,995</b>  | <b>18,579</b>   | <b>18.1</b>                                  | <b>84.9</b>              | <b>70.7</b> | <b>78.0</b> | <b>938</b> | <b>876</b>                  |
| 12      | Pune                       | 4,924             | 4,505         | 9,429           | 30.4                                         | 90.8                     | 81.1        | 86.2        | 915        | 883                         |
| 13      | Satara                     | 1,511             | 1,493         | 3,004           | 6.9                                          | 89.4                     | 76.3        | 82.9        | 988        | 895                         |
| 14      | Sangli                     | 1,436             | 1,386         | 2,822           | 9.2                                          | 88.2                     | 74.6        | 81.5        | 966        | 867                         |
| 15      | Solapur                    | 2,228             | 2,090         | 4,318           | 12.2                                         | 85.0                     | 68.5        | 77.0        | 938        | 883                         |
| 16      | Kolhapur                   | 1,981             | 1,895         | 3,876           | 10.0                                         | 88.6                     | 74.2        | 81.5        | 957        | 863                         |
|         | <b>Pune Division</b>       | <b>12,079</b>     | <b>11,370</b> | <b>23,449</b>   | <b>17.3</b>                                  | <b>88.9</b>              | <b>76.2</b> | <b>82.7</b> | <b>941</b> | <b>880</b>                  |
| 17      | Aurangabad                 | 1,924             | 1,777         | 3,701           | 27.8                                         | 87.4                     | 70.1        | 79.0        | 923        | 858                         |
| 18      | Jalna                      | 1,011             | 948           | 1,959           | 21.5                                         | 81.5                     | 61.0        | 71.5        | 937        | 870                         |
| 19      | Parbhani                   | 943               | 893           | 1,836           | 20.2                                         | 82.6                     | 63.6        | 73.3        | 947        | 884                         |
| 20      | Hingoli                    | 606               | 571           | 1,177           | 19.3                                         | 86.9                     | 69.0        | 78.2        | 942        | 882                         |
| 21      | Beed                       | 1,349             | 1,236         | 2,585           | 19.6                                         | 85.6                     | 67.8        | 77.0        | 916        | 807                         |
| 22      | Nanded                     | 1,730             | 1,631         | 3,361           | 16.9                                         | 84.3                     | 66.1        | 75.5        | 943        | 910                         |
| 23      | Osmanabad                  | 862               | 796           | 1,658           | 11.5                                         | 85.8                     | 70.5        | 78.4        | 924        | 867                         |
| 24      | Latur                      | 1,273             | 1,181         | 2,454           | 18.0                                         | 84.4                     | 69.6        | 77.3        | 928        | 889                         |
|         | <b>Aurangabad Division</b> | <b>9,699</b>      | <b>9,033</b>  | <b>18,732</b>   | <b>19.9</b>                                  | <b>84.9</b>              | <b>67.4</b> | <b>76.4</b> | <b>931</b> | <b>870</b>                  |
| 25      | Buldhana                   | 1,338             | 1,249         | 2,586           | 15.8                                         | 90.5                     | 75.8        | 83.4        | 934        | 855                         |
| 26      | Akola                      | 932               | 882           | 1,814           | 11.3                                         | 92.3                     | 83.5        | 88.0        | 946        | 912                         |
| 27      | Washim                     | 620               | 577           | 1,197           | 17.3                                         | 90.5                     | 75.5        | 83.2        | 930        | 863                         |
| 28      | Amravati                   | 1,481             | 1,408         | 2,888           | 10.8                                         | 91.5                     | 83.1        | 87.4        | 951        | 935                         |
| 29      | Yavatmal                   | 1,420             | 1,352         | 2,772           | 12.8                                         | 89.4                     | 75.9        | 82.8        | 952        | 922                         |
|         | <b>Amravati Division</b>   | <b>5,791</b>      | <b>5,467</b>  | <b>11,258</b>   | <b>13.2</b>                                  | <b>90.8</b>              | <b>79.0</b> | <b>85.0</b> | <b>944</b> | <b>900</b>                  |
| 30      | Wardha                     | 668               | 632           | 1,301           | 5.2                                          | 91.9                     | 81.8        | 87.0        | 946        | 919                         |
| 31      | Nagpur                     | 2,385             | 2,269         | 4,654           | 14.4                                         | 92.1                     | 84.5        | 88.4        | 951        | 931                         |
| 32      | Bhandara                   | 606               | 595           | 1,200           | 5.6                                          | 90.4                     | 77.1        | 83.8        | 982        | 950                         |
| 33      | Gondia                     | 662               | 661           | 1,323           | 10.1                                         | 92.0                     | 77.9        | 85.0        | 999        | 956                         |
| 34      | Chandrapur                 | 1,124             | 1,080         | 2,204           | 6.4                                          | 86.8                     | 73.0        | 80.0        | 961        | 953                         |
| 35      | Gadchiroli                 | 541               | 532           | 1,073           | 10.6                                         | 82.3                     | 66.3        | 74.4        | 982        | 961                         |
|         | <b>Nagpur Division</b>     | <b>5,986</b>      | <b>5,769</b>  | <b>11,754</b>   | <b>10.0</b>                                  | <b>90.0</b>              | <b>78.9</b> | <b>84.5</b> | <b>964</b> | <b>941</b>                  |
|         | <b>Maharashtra State</b>   | <b>58,243</b>     | <b>54,131</b> | <b>1,12,374</b> | <b>16.0</b>                                  | <b>88.4</b>              | <b>75.9</b> | <b>82.3</b> | <b>929</b> | <b>894</b>                  |

Source : ORGI

# Undivided Thane district

Note - Figures may not add up to totals due to rounding.



### 3 State Income





### 3. STATE INCOME

3.1 Gross Domestic Product (GDP)/Gross State Domestic Product (GSDP) not only measures the progress of an economy but is one of the key fiscal indicator. Annual growth rate of real GDP/GSDP per capita is one of the outcome indicators for the Sustainable Development Goal 'Decent work & Economic Growth'. The State has highest share in the economy of the country.

3.2 The base year revision for compilation of GDP/GSDP is undertaken periodically by National Statistical Office (NSO), Ministry of Statistics & Programme Implementation, GoI to account for the structural changes in the economy and these revisions are as per the internationally accepted 'System of National Accounts (SNA)'. NSO has revised the base year from 2004-05 to 2011-12 and as per the revised methodology (in accordance with SNA 2008), sectorwise estimates are being presented as Gross Value Added (GVA) at basic prices while Gross Domestic Product (GDP) is being referred to as GDP at market price. Accordingly, sectorwise Gross State Value Added (GSVA) are presented at basic prices and Gross State Domestic Product (GSDP) is being referred as GSDP at market price. The estimates at current price are referred as 'nominal' and estimates at constant price are referred as 'real'.

#### State Economy

#### GSDP Forecast (2019-20)

3.3 As per the advance estimates, nominal GSDP of 2019-20 is expected to be ₹ 28,78,583 crore, higher by 9.3 per cent over the previous year, while real GSDP is estimated to be ₹ 21,54,446 crore with expected growth of 5.7 per cent over 2018-19. The annual growth rates of real GSVA, real GSDP and per capita real GSDP for 2019-20 as per advance estimates are given in Table 3.1.

**Table 3.1 Annual growth rates of real GSVA, real GSDP and per capita real GSDP as per advance estimates of 2019-20**

| (per cent)                                                                                                       |             |
|------------------------------------------------------------------------------------------------------------------|-------------|
| Sector                                                                                                           | Growth Rate |
| (i) Agriculture & allied activities (Agriculture, Forestry & Fishing)                                            | 3.1         |
| (ii) Mining & Quarrying                                                                                          | 0.0         |
| (iii) Manufacturing                                                                                              | 2.7         |
| (iv) Electricity, Gas, Water supply & Other Utility Services                                                     | 6.4         |
| (v) Construction                                                                                                 | 6.1         |
| (vi) Trade, Repairs, Hotels & Restaurants, Transport, Storage & Communication & Services related to Broadcasting | 7.9         |
| (vii) Financial, Real Estate & Professional Services                                                             | 5.7         |
| (viii) Public Administration, Defence & Other Services                                                           | 12.7        |
| <b>GSVA</b>                                                                                                      | <b>5.7</b>  |
| <b>GSDP</b>                                                                                                      | <b>5.7</b>  |
| <b>Per capita real GSDP</b>                                                                                      | <b>4.7</b>  |

Source : DES, GoM

3.3.1 The real GSVA of 'Agriculture & allied activities' sector is expected to grow at 3.1 per cent in 2019-20. The crop production in *rabi* season is expected to be better than in *kharif* season as compared to the previous year in the State. The real GSVA of the 'Crops' sector is expected to grow by 2.5 per cent. 'Livestock', 'Forestry & Logging' and 'Fisheries & Aquaculture' sectors are expected to grow at 6.0 per cent, 0.4 per cent and 1.7 per cent respectively. 'Industry' sector expected to grow at 3.3 per cent with expected growth of 2.7 per cent in the 'Manufacturing' sector. The 'Services' sector is expected to grow by 7.6 per cent.

## GSDP (2018-19)

3.4 As per the first revised estimates, nominal GSDP of 2018-19 is ₹ 26,32,792 crore, higher by 10.5 per cent than the previous year. The real GSDP is estimated to be ₹ 20,39,074 crore with expected growth of 6.0 per cent over 2017-18. Annual growth rates of real GSDP, sectorwise real GSVA and per capita real GSDP are given in Table 3.2.

**Table 3.2 Annual growth rates of real GSDP, sectorwise real GSVA and per capita real GSDP**

|                                                                                                               | (per cent)    |             |                |               |                        |                       |                      |                                           |
|---------------------------------------------------------------------------------------------------------------|---------------|-------------|----------------|---------------|------------------------|-----------------------|----------------------|-------------------------------------------|
| Particulars                                                                                                   | Growth rate   |             |                |               |                        |                       |                      |                                           |
|                                                                                                               | 2012-13       | 2013-14     | 2014-15        | 2015-16       | 2016-17 <sup>+++</sup> | 2017-18 <sup>++</sup> | 2018-19 <sup>+</sup> | Average growth<br>(2012-13 to<br>2018-19) |
| <b>GSDP</b>                                                                                                   | <b>6.1</b>    | <b>6.9</b>  | <b>6.3</b>     | <b>7.2</b>    | <b>9.2</b>             | <b>6.5</b>            | <b>6.0</b>           | <b>6.9</b>                                |
| <b>GSVA</b>                                                                                                   | <b>6.0</b>    | <b>6.8</b>  | <b>6.2</b>     | <b>6.7</b>    | <b>8.9</b>             | <b>6.1</b>            | <b>6.1</b>           | <b>6.7</b>                                |
| <b>Agriculture &amp; allied activities sector</b>                                                             | <b>(-)0.4</b> | <b>12.3</b> | <b>(-)10.7</b> | <b>(-)3.7</b> | <b>21.0</b>            | <b>(-)0.7</b>         | <b>(-)2.2</b>        | <b>2.2</b>                                |
| i) Crops                                                                                                      | (-)1.8        | 18.6        | (-)16.7        | (-)7.5        | 25.0                   | (-)5.0                | (-)3.8               | 1.3                                       |
| ii) Livestock                                                                                                 | 3.8           | 1.1         | 4.0            | 4.8           | 11.5                   | 8.5                   | 6.0                  | 5.7                                       |
| iii) Forestry & Logging                                                                                       | 0.8           | (-)3.3      | 2.8            | 3.4           | 18.0                   | 9.3                   | (-)7.4               | 3.4                                       |
| iv) Fishing & Aquaculture                                                                                     | 0.9           | 2.0         | 7.0            | (-)4.2        | 21.2                   | (-)11.7               | (-)10.5              | 0.7                                       |
| <b>Industry sector</b>                                                                                        | <b>5.1</b>    | <b>3.1</b>  | <b>8.0</b>     | <b>8.8</b>    | <b>5.9</b>             | <b>7.1</b>            | <b>5.5</b>           | <b>6.2</b>                                |
| i) Mining & Quarrying                                                                                         | 4.2           | (-)25.4     | 23.6           | 10.8          | 3.1                    | 7.1                   | 0.0                  | 3.3                                       |
| ii) Manufacturing                                                                                             | 8.2           | 10.0        | 5.1            | 10.8          | 6.8                    | 7.2                   | 6.0                  | 7.7                                       |
| iii) Electricity, Gas, Water supply & Other Utility Services                                                  | 5.1           | (-)4.4      | 14.7           | 4.8           | 3.1                    | 10.7                  | 9.9                  | 6.3                                       |
| iv) Construction                                                                                              | (-)3.8        | 3.8         | 7.9            | 1.9           | 5.4                    | 5.6                   | 5.1                  | 3.7                                       |
| <b>Services sector</b>                                                                                        | <b>8.3</b>    | <b>8.1</b>  | <b>9.1</b>     | <b>7.4</b>    | <b>8.7</b>             | <b>6.9</b>            | <b>8.1</b>           | <b>8.1</b>                                |
| i) Trade, Repairs, Hotels & Restaurants, Transport, Storage, Communication & Services related to Broadcasting | 9.6           | 1.3         | 6.1            | 5.5           | 9.5                    | 7.3                   | 8.0                  | 6.8                                       |
| ii) Financial, Real Estate & Professional Services                                                            | 8.3           | 12.2        | 10.8           | 8.1           | 8.0                    | 5.7                   | 6.8                  | 8.6                                       |
| iii) Public Administration, Defence & Other Services                                                          | 6.3           | 7.3         | 8.6            | 8.2           | 10.1                   | 9.8                   | 12.1                 | 8.9                                       |
| <b>Per capita real GSDP</b>                                                                                   | <b>4.9</b>    | <b>5.7</b>  | <b>5.2</b>     | <b>6.0</b>    | <b>8.1</b>             | <b>5.4</b>            | <b>5.0</b>           | <b>5.8</b>                                |

+++ Third revised estimates    ++ Second revised estimates    + First revised estimates

Note : 1) GSDP = GSVA at basic prices + Taxes on products – subsidies on products

2) Sectorwise growth rates are based on GSVA whereas the growth rate of the State economy is based on GSDP

Source : DES, GoM

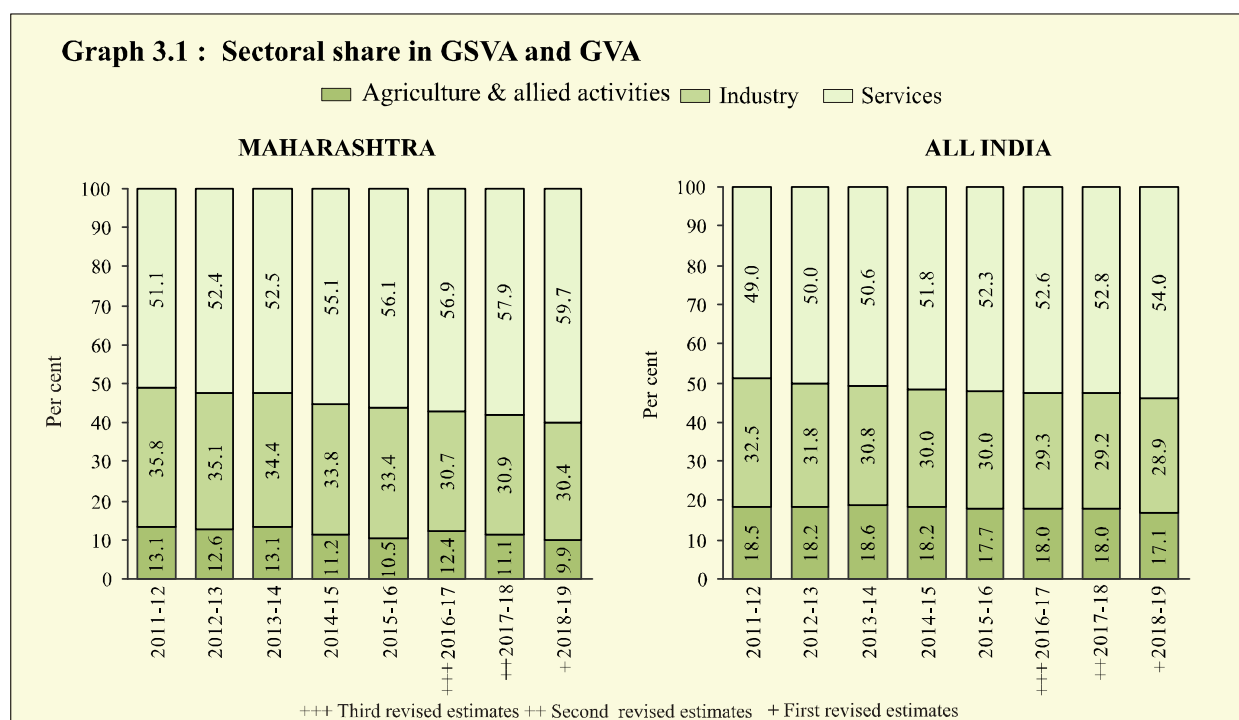
3.4.1 The real GSVA of 'Agriculture & allied activities' sector is expected to grow by (-) 2.2 per cent in 2018-19. The State witnessed average rainfall (73.6 per cent of the normal) during 2018-19, less by 10.7 per cent than 2017-18. Production of food grains and fruits & vegetables decreased by 27.3 per cent and 10.1 per cent whereas sugarcane, oilseeds and cotton increased by 8.0 per cent, 16.1 per cent and 8.2 per cent respectively over the previous year. The growth in the real GSVA of 'Crops' is expected to be (-)3.8 per cent. The real GSVA of 'Livestock' is expected to grow by 6.0 per cent mainly due to increase in milk production and poultry meat production over previous year. The 'Forestry & Logging' sector's real GSVA is expected to grow by (-) 7.4 per cent primarily due to less production of bamboo compared to the previous year. 'Fishing & Aquaculture' sector's real GSVA is expected to grow by (-)10.5 per cent due to drop in the fish production as compared to the previous year.

3.4.2 During 2018-19, real GSVA of the 'Industry' sector is expected to grow by 5.5 per cent over the previous year. Real GSVA of 'Manufacturing' sector is expected to grow by 6.0 per cent while real GSVA of 'Electricity, Gas, Water Supply & Other Utility Services' and 'Construction' is expected to grow at 9.9 per cent and 5.1 per cent respectively.

3.4.3 Real GSVA of 'Services' sector is expected to grow by 8.1 per cent over the previous year. 'Trade, Repairs, Hotels & Restaurants' sector's real GSVA is expected to grow by 6.7 per cent and that of 'Transport, Storage, Communication & Services related to Broadcasting' is expected to grow at 9.9 per cent. The real GSVA of 'Financial, Real Estate & Professional Services' sector, 'Public Administration & Defence' and 'Other Services' sector are expected to grow at 6.8 per cent, 15.9 per cent and 10.4 per cent respectively.

### Sectoral average share and average annual growth in the current series

3.5 The State's contribution to All-India nominal GDP (base year 2011-12) for 2011-12 to 2018-19 is on an average 14.3 per cent which is highest in the country. In the nominal GSVA of the State, average share of Services sector (55.2 per cent) is highest, followed by Industry sector (33.1 per cent) and Agriculture & allied activities sector (11.7 per cent).



3.6 Average annual growth of the real GSVA (base year 2011-12) of 'Agriculture & allied activities' sector, 'Industry' sector and 'Services' sector from 2012-13 to 2018-19 is 2.2 per cent, 6.2 per cent and 8.1 per cent respectively. Sectorwise average growth is given in Table 3.2.

## State Income (2018-19)

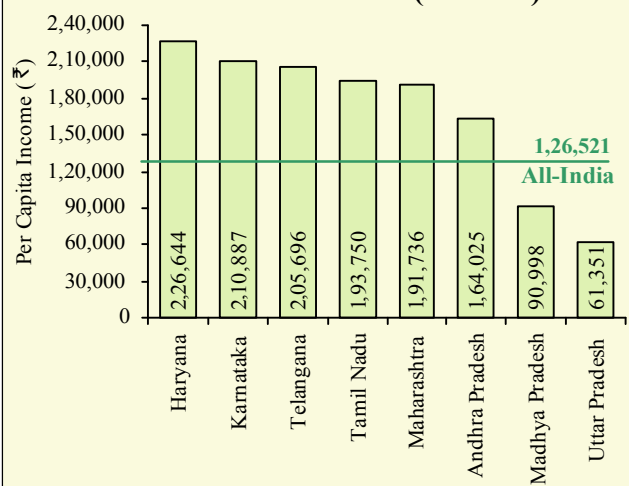
3.7 As per the first revised estimates, nominal State Income i.e. Net State Domestic Product (NSDP) at current prices is estimated at ₹ 23,32,992 crore in 2018-19, as compared to ₹ 21,10,823 crore in 2017-18 showing an increase of 10.5 per cent. The real State Income i.e. NSDP at constant (2011-12) prices in 2018-19 is estimated at ₹ 17,94,123 crore, showing an increase of 5.8 per cent over previous year. Details of GSDP & NSDP are given in Annexure 3.1 to Annexure 3.4.

3.7.1 The *Per Capita* State Income (i.e. *Per Capita* Nominal NSDP) is estimated at ₹ 1,91,736 during 2018-19 whereas it was ₹ 1,75,121 during 2017-18.

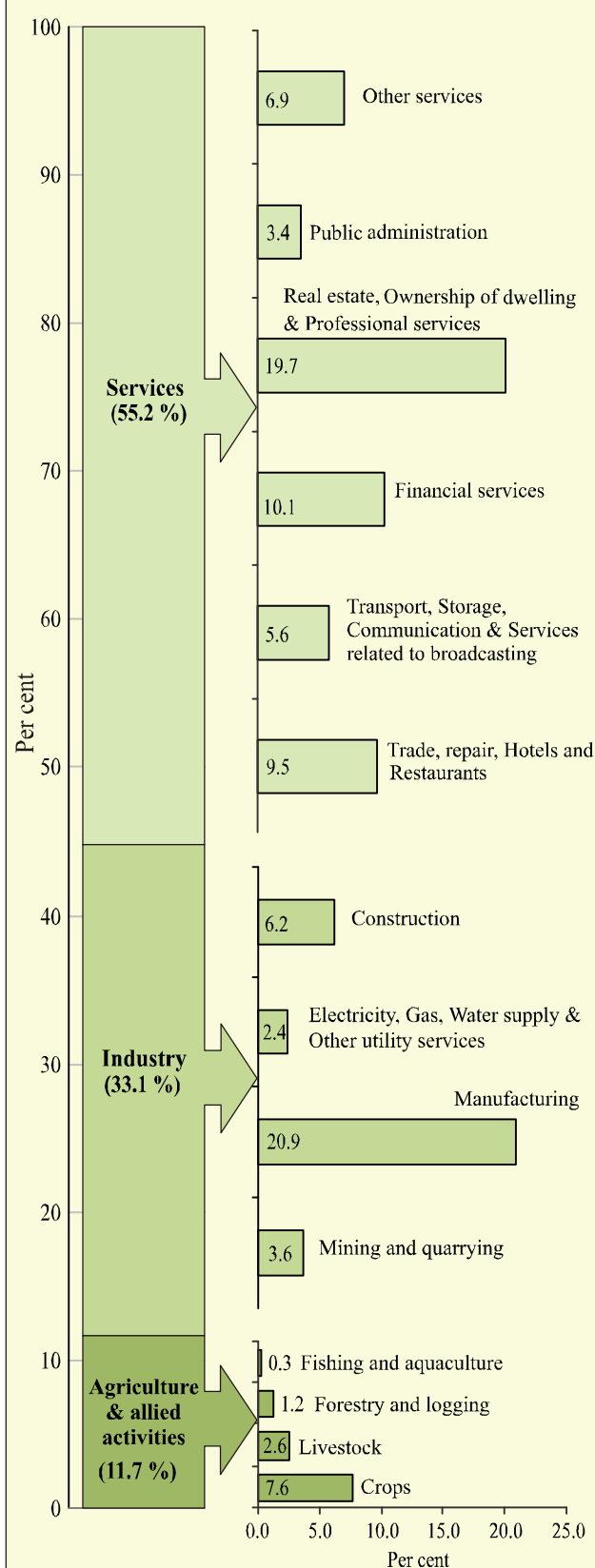
## Districtwise Gross Value Added

3.8 Revision in the base year (from 2004-05 to 2011-12) resulted in changes in the methodology and nomenclature. Estimates of Gross District Value Added (GDVA) are to be compiled using the 'Income Originating Approach' and therefore, have inherent limitations. For the commodity producing sectors, district wise data is available but for other sectors, proxy indicators are used to allocate the GSVA estimates to districts. These district level estimates may be used only to have a broad idea of the economy at district level. The estimates of real and nominal GDVA and Per Capita GDVA are given in Annexure 3.9 to Annexure 3.11.

**Graph 3.3 : Per Capita Income of selected States and India (2018-19)**



**Graph 3.2 : Sectorwise average share in GSVA (2011-12 to 2018-19)**





## Indian Economy

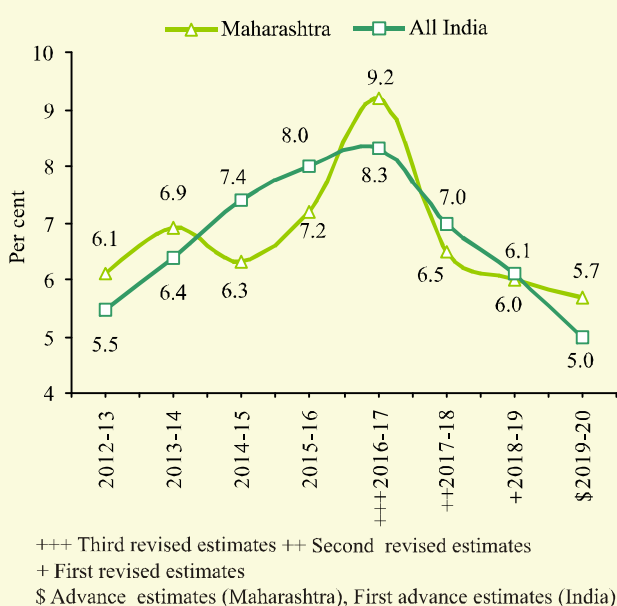
### GDP (2019-20)

3.9 As per the First Advance Estimates released by National Statistical Office (NSO), GoI, the nominal GDP is likely to be ₹ 2,04,42,233 crore whereas, the real GDP is expected to be ₹ 1,47,78,879 crore. The real GDP for 2019-20 is expected to grow by 5.0 per cent. The real GVA of 'Agriculture & allied activities', 'Industry' and 'Services' sector is expected to grow by 2.8 per cent, 2.5 per cent and 6.9 per cent respectively during 2019-20. Sectorwise Annual growth rates of real GVA, real GDP and per capita real GDP are given in Table 3.3.

### GDP (2018-19)

3.10 As per the first revised estimates, nominal GDP for 2018-19 is expected to be ₹ 1,89,71,237 crore whereas real GDP is expected to be ₹ 1,39,81,426 crore. The real GDP for 2018-19 is expected to grow by 6.1 per cent. Real GVA of 'Agriculture & allied activities', 'Industry' and 'Services' sector is expected to grow by 2.4 per cent, 4.9 per cent and 7.7 per cent respectively. Sectorwise Annual growth rates of real GDP, real GVA and per capita real GDP are given in Table 3.4. Details of GDP and Net Domestic Product (NDP) are given in Annexure 3.5 to Annexure 3.8.

**Graph 3.4 : Growth in GSDP and GDP**



**Graph 3.5 : Growth of GVA/GSVA**

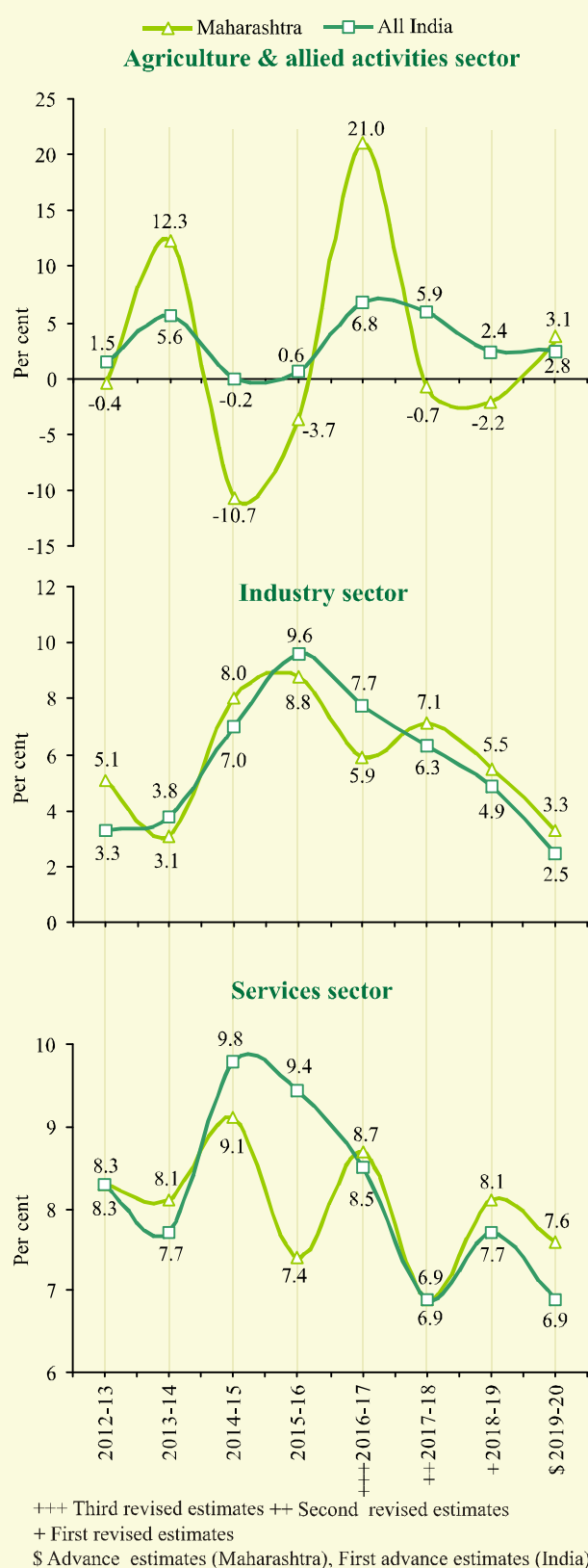


**Table 3.3 Annual growth rates of real GVA, real GDP and per capita real GDP**

| Sector                                                                                                           | Percentage change over previous year's provisional estimates |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
|                                                                                                                  | 2019-20 <sup>#</sup>                                         |
| (i) Agriculture & allied activities (Agriculture, Forestry & Fishing)                                            | 2.8                                                          |
| (ii) Mining & Quarrying                                                                                          | 1.5                                                          |
| (iii) Manufacturing                                                                                              | 2.0                                                          |
| (iv) Electricity, Gas, Water supply & Other Utility Services                                                     | 5.4                                                          |
| (v) Construction                                                                                                 | 3.2                                                          |
| (vi) Trade, Repairs, Hotels & Restaurants, Transport, Storage & Communication & Services related to Broadcasting | 5.9                                                          |
| (vii) Financial, Real Estate & Professional Services                                                             | 6.4                                                          |
| (viii) Public Administration, Defence & Other Services                                                           | 9.1                                                          |
| <b>GVA</b>                                                                                                       | <b>4.9</b>                                                   |
| <b>GDP</b>                                                                                                       | <b>5.0</b>                                                   |
| <b>Per capita real GDP</b>                                                                                       | <b>4.3</b>                                                   |

Source : NSO, GoI

# First Advance Estimates as per press release note dated 7<sup>th</sup> January, 2020**Table 3.4 Annual growth rates of real GDP, sectorwise real GVA and per capita real GDP**

| Particulars                                                                                                    | Growth rate |            |               |            |                        |                       |                      | (per cent)                          |
|----------------------------------------------------------------------------------------------------------------|-------------|------------|---------------|------------|------------------------|-----------------------|----------------------|-------------------------------------|
|                                                                                                                | 2012-13     | 2013-14    | 2014-15       | 2015-16    | 2016-17 <sup>+++</sup> | 2017-18 <sup>++</sup> | 2018-19 <sup>+</sup> | Average growth (2012-13 to 2018-19) |
| <b>GDP</b>                                                                                                     | <b>5.5</b>  | <b>6.4</b> | <b>7.4</b>    | <b>8.0</b> | <b>8.3</b>             | <b>7.0</b>            | <b>6.1</b>           | <b>7.0</b>                          |
| <b>GVA</b>                                                                                                     | <b>5.4</b>  | <b>6.1</b> | <b>7.2</b>    | <b>8.0</b> | <b>8.0</b>             | <b>6.6</b>            | <b>6.0</b>           | <b>6.8</b>                          |
| <b>Agriculture &amp; allied activities sector</b>                                                              | <b>1.5</b>  | <b>5.6</b> | <b>(-)0.2</b> | <b>0.6</b> | <b>6.8</b>             | <b>5.9</b>            | <b>2.4</b>           | <b>3.2</b>                          |
| i) Crops                                                                                                       | 0.2         | 5.4        | (-)3.7        | (-)2.9     | 5.3                    | 4.4                   | (-)1.0               | 1.1                                 |
| ii) Livestock                                                                                                  | 5.2         | 5.6        | 7.4           | 7.5        | 10.0                   | 7.4                   | 8.1                  | 7.3                                 |
| iii) Forestry & Logging                                                                                        | 0.2         | 5.9        | 1.9           | 1.7        | 5.5                    | 6.2                   | 0.4                  | 3.1                                 |
| iv) Fishing & Aquaculture                                                                                      | 4.9         | 7.2        | 7.5           | 9.7        | 10.4                   | 14.7                  | 12.0                 | 9.5                                 |
| <b>Industry sector</b>                                                                                         | <b>3.3</b>  | <b>3.8</b> | <b>7.0</b>    | <b>9.6</b> | <b>7.7</b>             | <b>6.3</b>            | <b>4.9</b>           | <b>6.1</b>                          |
| i) Mining & Quarrying                                                                                          | 0.6         | 0.2        | 9.7           | 10.1       | 9.8                    | 4.9                   | (-)5.8               | 4.2                                 |
| ii) Manufacturing                                                                                              | 5.5         | 5.0        | 7.9           | 13.1       | 7.9                    | 6.6                   | 5.7                  | 7.4                                 |
| iii) Electricity, Gas, Water supply & Other Utility Services                                                   | 2.7         | 4.2        | 7.2           | 4.7        | 10.0                   | 11.2                  | 8.2                  | 6.9                                 |
| iv) Construction                                                                                               | 0.3         | 2.7        | 4.3           | 3.6        | 5.9                    | 5.0                   | 6.1                  | 4.0                                 |
| <b>Services sector</b>                                                                                         | <b>8.3</b>  | <b>7.7</b> | <b>9.8</b>    | <b>9.4</b> | <b>8.5</b>             | <b>6.9</b>            | <b>7.7</b>           | <b>8.3</b>                          |
| i) Trade, Repairs, Hotels & Restaurants, Transport, Storage & Communication & Services related to Broadcasting | 9.8         | 6.5        | 9.4           | 10.2       | 7.7                    | 7.6                   | 7.7                  | 8.4                                 |
| ii) Financial, Real Estate & Professional Services                                                             | 9.7         | 11.2       | 11.0          | 10.7       | 8.6                    | 4.7                   | 6.8                  | 9.0                                 |
| iii) Public Administration, Defence & Other Services                                                           | 4.3         | 3.8        | 8.3           | 6.1        | 9.3                    | 9.9                   | 9.4                  | 7.3                                 |
| <b>Per capita real GDP</b>                                                                                     | <b>4.2</b>  | <b>5.0</b> | <b>6.1</b>    | <b>6.6</b> | <b>6.9</b>             | <b>5.8</b>            | <b>5.1</b>           | <b>5.7</b>                          |

Source : NSO, GoI

+++ Third revised estimates

++ Second revised estimates

+ First revised estimates

## Sectoral average share and average annual growth in the current series

3.11.1 In the current (base year 2011-12) series from 2011-12 to 2018-19, the GVA of 'Agriculture & allied activities', Industry and Services sector is growing at an average annual rate of 3.2 per cent, 6.1 per cent and 8.3 per cent respectively. Table 3.4 gives sectorwise average annual growth rates from 2012-13 to 2018-19.

3.11.2 The average share of 'Agriculture & allied activities', Industry and Services sector is 18.0 per cent, 30.3 per cent and 51.7 per cent respectively.

## National Income

3.12 Nominal Gross National Income (GNI) for 2018-19 is estimated at ₹ 1,87,68,912 crore with an increase of 11.0 per cent over the previous year. Nominal Net National Income (NNI) for 2018-19 is estimated at ₹1,67,89,288 crore with an increase of 10.8 per cent over the previous year. Real GNI for 2018-19 is estimated at ₹1,38,29,068 crore with an increase of 6.1 per cent over the previous year. Real NNI for 2018-19 is estimated at ₹1,22,19,693 crore which increased by 5.9 per cent over the previous year.

3.12.1 The per capita National Income (i.e. Per capita Nominal NNI) in 2018-19 is estimated at ₹1,26,521 as against ₹1,15,293 in 2017-18.

## World Economy

3.13 According to the 'United Nations World Economic Situation and Prospects as of 2020' report, world gross product is expected to grow by 2.5 per cent in 2020 as against 2.3 per cent growth in 2019. Developed economies are expected to grow by 1.7 per cent in 2019 and 1.5 per cent in 2020 while Developing economies are expected to grow by 3.4 per cent in 2019 and 4.0 per cent in 2020. Economy of the South Asia region is expected to grow by 3.3 per cent in 2019 and 5.1 per cent in 2020. Growth of world output and gross domestic product is given in Table 3.5.

**Table 3.5 Growth of world output and gross domestic product**

| Particulars               | Annual percentage change |                   |                   |
|---------------------------|--------------------------|-------------------|-------------------|
|                           | 2018                     | 2019              | 2020 <sup>^</sup> |
| World                     | 3.0                      | 2.3               | 2.5               |
| Developed Economies       | 2.2                      | 1.7               | 1.5               |
| United States of America  | 2.9                      | 2.2               | 1.7               |
| Japan                     | 0.8                      | 0.7               | 0.9               |
| European Union            | 2.0                      | 1.4               | 1.6               |
| Economies in transition   | 2.7                      | 1.9               | 2.3               |
| Developing Economies      | 4.2                      | 3.4               | 4.0               |
| South Asia                | 5.6                      | 3.3               | 5.1               |
| India <sup>#</sup>        | 7.0 <sup>@</sup>         | 6.1 <sup>\$</sup> | 5.0 <sup>†</sup>  |
| East Asia                 | 5.7                      | 5.2               | 5.2               |
| China                     | 6.6                      | 6.1               | 6.0               |
| Least developed countries | 4.6                      | 4.9               | 5.1               |

# Fiscal year      @ Second Revised Estimates      \$ First Revised Estimates      † First Advance estimates      ^ Forecast

Source : United Nations World Economic Situation and Prospects Report 2020, # NSO, GoI

\* \* \* \* \*

## ANNEXURE 3.1

**NOMINAL GROSS STATE VALUE ADDED AT BASIC PRICES BY INDUSTRY OF ORIGIN &  
NOMINAL GROSS STATE DOMESTIC PRODUCT AT MARKET PRICES  
(AT CURRENT PRICES)**

(₹ crore)

| Sr. No.   | Industry                                                     | 2011-12          | 2012-13          | 2013-14          | 2014-15          | 2015-16          | 2016-17 <sup>+++</sup> | 2017-18 <sup>++</sup> | 2018-19 <sup>+</sup> |
|-----------|--------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------------|-----------------------|----------------------|
| (1)       | (2)                                                          | (3)              | (4)              | (5)              | (6)              | (7)              | (8)                    | (9)                   | (10)                 |
| 1         | Crops                                                        | 1,01,930         | 1,08,295         | 1,36,776         | 1,15,141         | 1,14,803         | 1,53,883               | 1,40,844              | 1,33,510             |
| 2         | Livestock                                                    | 28,557           | 32,826           | 35,171           | 39,917           | 44,120           | 51,383                 | 57,741                | 59,433               |
| 3         | Forestry and Logging                                         | 16,601           | 18,280           | 16,518           | 17,466           | 17,201           | 24,279                 | 28,264                | 28,264               |
| 4         | Fishing and aquaculture                                      | 2,939            | 3,516            | 3,852            | 4,751            | 4,729            | 6,274                  | 6,250                 | 5,362                |
| <b>5</b>  | <b>Agriculture &amp; Allied Activities</b>                   | <b>1,50,027</b>  | <b>1,62,917</b>  | <b>1,92,318</b>  | <b>1,77,275</b>  | <b>1,80,853</b>  | <b>2,35,819</b>        | <b>2,33,098</b>       | <b>2,26,570</b>      |
|           | <b>(Sub-Total - 1+2+3+4)</b>                                 | <b>(13.1)</b>    | <b>(12.6)</b>    | <b>(13.1)</b>    | <b>(11.2)</b>    | <b>(10.5)</b>    | <b>(12.4)</b>          | <b>(11.1)</b>         | <b>(9.9)</b>         |
| 6         | Mining and Quarrying                                         | 56,493           | 58,921           | 48,232           | 53,497           | 59,615           | 60,247                 | 61,800                | 67,745               |
| <b>7</b>  | <b>Primary Sector</b>                                        | <b>2,06,520</b>  | <b>2,21,838</b>  | <b>2,40,549</b>  | <b>2,30,771</b>  | <b>2,40,468</b>  | <b>2,96,066</b>        | <b>2,94,899</b>       | <b>2,94,314</b>      |
|           | <b>(Sub-Total - 5+6)</b>                                     |                  |                  |                  |                  |                  |                        |                       |                      |
| 8         | Manufacturing                                                | 2,46,032         | 2,82,032         | 3,24,237         | 3,41,980         | 3,72,917         | 3,77,069               | 4,10,980              | 4,44,854             |
| 9         | Electricity, Gas and Water Supply, Other Utility Services    | 26,805           | 29,248           | 40,323           | 39,122           | 41,360           | 39,637                 | 51,724                | 51,347               |
| 10        | Construction                                                 | 80,552           | 83,962           | 92,536           | 1,01,151         | 1,00,410         | 1,08,982               | 1,22,332              | 1,33,386             |
| <b>11</b> | <b>Secondary Sector</b>                                      | <b>3,53,389</b>  | <b>3,95,242</b>  | <b>4,57,096</b>  | <b>4,82,253</b>  | <b>5,14,687</b>  | <b>5,25,688</b>        | <b>5,85,036</b>       | <b>6,29,587</b>      |
|           | <b>(Sub-Total - 8+9+ 10)</b>                                 |                  |                  |                  |                  |                  |                        |                       |                      |
| <b>12</b> | <b>Industry</b>                                              | <b>4,09,882</b>  | <b>4,54,163</b>  | <b>5,05,327</b>  | <b>5,35,749</b>  | <b>5,74,302</b>  | <b>5,85,935</b>        | <b>6,46,836</b>       | <b>6,97,332</b>      |
|           | <b>(Sub-Total - 6 + 11)</b>                                  | <b>(35.8)</b>    | <b>(35.1)</b>    | <b>(34.4)</b>    | <b>(33.8)</b>    | <b>(33.4)</b>    | <b>(30.7)</b>          | <b>(30.9)</b>         | <b>(30.4)</b>        |
| 13        | Trade, Repair, Hotels & Restaurants                          | 1,05,609         | 1,27,792         | 1,36,333         | 1,48,723         | 1,56,193         | 1,83,275               | 2,07,711              | 2,28,240             |
| 14        | Railways                                                     | 5,987            | 6,490            | 6,855            | 8,304            | 9,157            | 11,512                 | 13,158                | 14,039               |
| 15        | Transport by means other than Railways                       | 41,696           | 49,331           | 50,891           | 56,276           | 61,490           | 65,422                 | 72,355                | 79,160               |
| 16        | Storage                                                      | 925              | 1,019            | 1,148            | 1,258            | 1,308            | 1,364                  | 1,628                 | 1,778                |
| 17        | Communication and Services related to Broadcasting           | 15,892           | 18,012           | 21,732           | 24,696           | 29,041           | 28,932                 | 27,960                | 31,346               |
| 18        | Financial Services                                           | 1,17,836         | 1,29,091         | 1,49,730         | 1,64,079         | 1,78,239         | 1,87,782               | 1,99,028              | 2,28,659             |
| 19        | Real estate, Ownership of dwellings & Professional Services. | 1,90,870         | 2,24,538         | 2,65,812         | 3,12,408         | 3,51,611         | 4,04,041               | 4,55,979              | 5,13,034             |
| 20        | Public Administration                                        | 39,070           | 43,371           | 47,940           | 51,802           | 56,789           | 63,664                 | 71,631                | 85,680               |
| 21        | Other services                                               | 66,625           | 78,318           | 90,882           | 1,06,368         | 1,21,504         | 1,40,878               | 1,62,982              | 1,89,542             |
| <b>22</b> | <b>Tertiary / Services Sector</b>                            | <b>5,84,509</b>  | <b>6,77,962</b>  | <b>7,71,323</b>  | <b>8,73,913</b>  | <b>9,65,333</b>  | <b>10,86,869</b>       | <b>12,12,432</b>      | <b>13,71,477</b>     |
|           | <b>(Sub-Total- 13 to 21)</b>                                 | <b>(51.1)</b>    | <b>(52.4)</b>    | <b>(52.5)</b>    | <b>(55.1)</b>    | <b>(56.1)</b>    | <b>(56.9)</b>          | <b>(57.9)</b>         | <b>(59.7)</b>        |
| <b>23</b> | <b>Gross State Value Added (GSVA)</b>                        | <b>11,44,418</b> | <b>12,95,042</b> | <b>14,68,968</b> | <b>15,86,937</b> | <b>17,20,488</b> | <b>19,08,623</b>       | <b>20,92,366</b>      | <b>22,95,379</b>     |
|           | <b>(5+12+22)</b>                                             | <b>(100.0)</b>   | <b>(100.0)</b>   | <b>(100.0)</b>   | <b>(100.0)</b>   | <b>(100.0)</b>   | <b>(100.0)</b>         | <b>(100.0)</b>        | <b>(100.0)</b>       |
| 24        | Taxes on Product                                             | 1,62,085         | 1,98,304         | 2,16,322         | 2,28,808         | 2,76,680         | 3,17,675               | 3,17,093              | 3,71,844             |
| 25        | Less Subsidies on Product                                    | 26,134           | 33,717           | 35,643           | 36,607           | 30,943           | 27,975                 | 26,889                | 34,430               |
| <b>26</b> | <b>Gross State Domestic Product (23+24-25)</b>               | <b>12,80,369</b> | <b>14,59,629</b> | <b>16,49,647</b> | <b>17,79,138</b> | <b>19,66,225</b> | <b>21,98,324</b>       | <b>23,82,570</b>      | <b>26,32,792</b>     |
| <b>27</b> | <b>Per capita GSDP (₹)</b>                                   | <b>1,13,192</b>  | <b>1,27,606</b>  | <b>1,42,634</b>  | <b>1,52,158</b>  | <b>1,66,351</b>  | <b>1,84,125</b>        | <b>1,97,666</b>       | <b>2,16,376</b>      |

Source : Directorate of Economics and Statistics, GoM

+++ Third Revised Estimates

++ Second Revised Estimates

+ First Revised Estimates

Note - Figures in brackets show percentages to GSVA.

Figures may not add up due to rounding.

## ANNEXURE 3.2

**REAL GROSS STATE VALUE ADDED AT BASIC PRICES BY INDUSTRY OF ORIGIN &  
REAL GROSS STATE DOMESTIC PRODUCT AT MARKET PRICES  
(AT CONSTANT (2011-12) PRICES)**

(₹ crore)

| Sr. No.   | Industry                                                     | 2011-12          | 2012-13          | 2013-14          | 2014-15          | 2015-16          | 2016-17 <sup>+++</sup> | 2017-18 <sup>++</sup> | 2018-19 <sup>+</sup> |
|-----------|--------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------------|-----------------------|----------------------|
| (1)       | (2)                                                          | (3)              | (4)              | (5)              | (6)              | (7)              | (8)                    | (9)                   | (10)                 |
| 1         | Crops                                                        | 1,01,930         | 1,00,057         | 1,18,654         | 98,833           | 91,426           | 1,14,311               | 1,08,554              | 1,04,441             |
| 2         | Livestock                                                    | 28,557           | 29,638           | 29,955           | 31,140           | 32,642           | 36,388                 | 39,478                | 41,834               |
| 3         | Forestry and Logging                                         | 16,601           | 16,731           | 16,172           | 16,623           | 17,185           | 20,272                 | 22,165                | 20,528               |
| 4         | Fishing and aquaculture                                      | 2,939            | 2,965            | 3,025            | 3,238            | 3,103            | 3,762                  | 3,322                 | 2,973                |
| <b>5</b>  | <b>Agriculture &amp; Allied Activities</b>                   | <b>1,50,027</b>  | <b>1,49,392</b>  | <b>1,67,806</b>  | <b>1,49,835</b>  | <b>1,44,356</b>  | <b>1,74,732</b>        | <b>1,73,519</b>       | <b>1,69,776</b>      |
|           | <b>(Sub-Total - 1+2+3+4)</b>                                 | <b>(100.0)</b>   | <b>(99.6)</b>    | <b>(111.9)</b>   | <b>(99.9)</b>    | <b>(96.2)</b>    | <b>(116.5)</b>         | <b>(115.7)</b>        | <b>(113.2)</b>       |
| 6         | Mining and Quarrying                                         | 56,493           | 58,893           | 43,947           | 54,334           | 60,203           | 62,053                 | 66,477                | 66,482               |
| <b>7</b>  | <b>Primary Sector</b>                                        | <b>2,06,520</b>  | <b>2,08,285</b>  | <b>2,11,753</b>  | <b>2,04,169</b>  | <b>2,04,559</b>  | <b>2,36,785</b>        | <b>2,39,996</b>       | <b>2,36,258</b>      |
|           | <b>( Sub-Total - 5+6)</b>                                    |                  |                  |                  |                  |                  |                        |                       |                      |
| 8         | Manufacturing                                                | 2,46,032         | 2,66,166         | 2,92,762         | 3,07,651         | 3,40,882         | 3,64,164               | 3,90,250              | 4,13,841             |
| 9         | Electricity, Gas and Water Supply, Other Utility Services    | 26,805           | 28,170           | 26,937           | 30,893           | 32,362           | 33,372                 | 36,928                | 40,576               |
| 10        | Construction                                                 | 80,552           | 77,517           | 80,467           | 86,807           | 88,473           | 93,261                 | 98,498                | 1,03,531             |
| <b>11</b> | <b>Secondary Sector</b>                                      | <b>3,53,389</b>  | <b>3,71,853</b>  | <b>4,00,166</b>  | <b>4,25,352</b>  | <b>4,61,718</b>  | <b>4,90,797</b>        | <b>5,25,676</b>       | <b>5,57,948</b>      |
|           | <b>(Sub-Total – 8+9+10)</b>                                  |                  |                  |                  |                  |                  |                        |                       |                      |
| <b>12</b> | <b>Industry</b>                                              | <b>4,09,882</b>  | <b>4,30,746</b>  | <b>4,44,112</b>  | <b>4,79,686</b>  | <b>5,21,921</b>  | <b>5,52,850</b>        | <b>5,92,153</b>       | <b>6,24,430</b>      |
|           | <b>(Sub-Total - 6 + 11)</b>                                  | <b>(100.0)</b>   | <b>(105.1)</b>   | <b>(108.4)</b>   | <b>(117.0)</b>   | <b>(127.3)</b>   | <b>(134.9)</b>         | <b>(144.5)</b>        | <b>(152.3)</b>       |
| 13        | Trade, Repair, Hotels & Restaurants                          | 1,05,609         | 1,16,815         | 1,15,132         | 1,18,873         | 1,19,406         | 1,34,099               | 1,46,149              | 1,55,976             |
| 14        | Railways                                                     | 5,987            | 6,209            | 6,416            | 7,250            | 7,790            | 8,857                  | 9,948                 | 10,423               |
| 15        | Transport by means other than Railways                       | 41,696           | 45,863           | 47,559           | 52,481           | 58,581           | 63,677                 | 69,038                | 76,894               |
| 16        | Storage                                                      | 925              | 940              | 999              | 1,049            | 1,061            | 1,063                  | 1,210                 | 1,258                |
| 17        | Communication and Services related to Broadcasting           | 15,892           | 16,670           | 18,810           | 20,721           | 24,591           | 23,801                 | 22,149                | 23,930               |
| 18        | Financial Services                                           | 1,17,836         | 1,27,401         | 1,44,377         | 1,55,606         | 1,65,110         | 1,74,211               | 1,79,125              | 1,87,553             |
| 19        | Real estate, Ownership of dwellings & Professional Services. | 1,90,870         | 2,06,941         | 2,30,612         | 2,59,882         | 2,84,000         | 3,10,624               | 3,33,272              | 3,59,504             |
| 20        | Public Administration                                        | 39,070           | 39,808           | 40,784           | 41,790           | 43,918           | 47,244                 | 51,075                | 59,216               |
| 21        | Other services                                               | 66,625           | 72,597           | 79,822           | 89,203           | 97,750           | 1,08,714               | 1,20,205              | 1,32,752             |
| <b>22</b> | <b>Tertiary / Services Sector</b>                            | <b>5,84,509</b>  | <b>6,33,245</b>  | <b>6,84,509</b>  | <b>7,46,854</b>  | <b>8,02,208</b>  | <b>8,72,291</b>        | <b>9,32,169</b>       | <b>10,07,505</b>     |
|           | <b>(Sub-Total- 13 to 21)</b>                                 | <b>(100.0)</b>   | <b>(108.3)</b>   | <b>(117.1)</b>   | <b>(127.8)</b>   | <b>(137.2)</b>   | <b>(149.2)</b>         | <b>(159.5)</b>        | <b>(172.4)</b>       |
| <b>23</b> | <b>Gross State Value Added (GSVA)</b>                        | <b>11,44,418</b> | <b>12,13,382</b> | <b>12,96,428</b> | <b>13,76,374</b> | <b>14,68,485</b> | <b>15,99,874</b>       | <b>16,97,841</b>      | <b>18,01,711</b>     |
|           | <b>(5+12+22)</b>                                             | <b>(100.0)</b>   | <b>(106.0)</b>   | <b>(113.3)</b>   | <b>(120.3)</b>   | <b>(128.3)</b>   | <b>(139.8)</b>         | <b>(148.4)</b>        | <b>(157.4)</b>       |
| 24        | Taxes on Product                                             | 1,62,085         | 1,77,155         | 1,87,889         | 1,98,541         | 2,12,210         | 2,30,678               | 2,47,774              | 2,64,388             |
| 25        | Less Subsidies on Product                                    | 26,134           | 32,595           | 32,702           | 31,750           | 26,411           | 23,449                 | 21,819                | 27,025               |
| <b>26</b> | <b>Gross State Domestic Product</b>                          | <b>12,80,369</b> | <b>13,57,942</b> | <b>14,51,615</b> | <b>15,43,165</b> | <b>16,54,284</b> | <b>18,07,102</b>       | <b>19,23,797</b>      | <b>20,39,074</b>     |
|           | <b>(23+24-25)</b>                                            |                  |                  |                  |                  |                  |                        |                       |                      |
| <b>27</b> | <b>Per capita GSDP (₹)</b>                                   | <b>1,13,192</b>  | <b>1,18,716</b>  | <b>1,25,511</b>  | <b>1,31,977</b>  | <b>1,39,960</b>  | <b>1,51,357</b>        | <b>1,59,605</b>       | <b>1,67,581</b>      |

Source : Directorate of Economics and Statistics, GoM

+++ Third Revised Estimates

++ Second Revised Estimates

+ First Revised Estimates

Note - Figures in brackets show percentages to col. (3)

Figures may not add up due to rounding.

## ANNEXURE 3.3

**NOMINAL NET STATE VALUE ADDED AT BASIC PRICES BY INDUSTRY OF ORIGIN &  
NOMINAL NET STATE DOMESTIC PRODUCT AT MARKET PRICES  
(AT CURRENT PRICES)**

(₹crore)

| Sr. No.   | Industry                                                     | 2011-12          | 2012-13          | 2013-14          | 2014-15          | 2015-16          | 2016-17 <sup>+++</sup> | 2017-18 <sup>++</sup> | 2018-19 <sup>+</sup> |
|-----------|--------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------------|-----------------------|----------------------|
| (1)       | (2)                                                          | (3)              | (4)              | (5)              | (6)              | (7)              | (8)                    | (9)                   | (10)                 |
| 1         | Crops                                                        | 96,153           | 1,01,706         | 1,29,053         | 1,06,617         | 1,05,620         | 1,43,955               | 1,30,303              | 1,23,519             |
| 2         | Livestock                                                    | 28,153           | 32,360           | 34,668           | 39,373           | 43,593           | 50,813                 | 57,130                | 58,804               |
| 3         | Forestry and Logging                                         | 16,435           | 18,115           | 16,333           | 17,283           | 17,039           | 24,054                 | 27,972                | 27,972               |
| 4         | Fishing and aquaculture                                      | 2,591            | 3,118            | 3,443            | 4,304            | 4,305            | 5,757                  | 5,792                 | 4,969                |
| <b>5</b>  | <b>Agriculture &amp; Allied Activities</b>                   | <b>1,43,331</b>  | <b>1,55,298</b>  | <b>1,83,497</b>  | <b>1,67,576</b>  | <b>1,70,557</b>  | <b>2,24,580</b>        | <b>2,21,197</b>       | <b>2,15,264</b>      |
|           | <b>(Sub-Total - 1+2+3+4)</b>                                 | <b>(14.5)</b>    | <b>(13.9)</b>    | <b>(14.5)</b>    | <b>(12.3)</b>    | <b>(11.5)</b>    | <b>(13.5)</b>          | <b>(12.1)</b>         | <b>(10.8)</b>        |
| 6         | Mining and Quarrying                                         | 49,674           | 51,758           | 41,552           | 44,638           | 56,197           | 57,719                 | 59,625                | 65,360               |
| <b>7</b>  | <b>Primary Sector</b>                                        | <b>1,93,005</b>  | <b>2,07,056</b>  | <b>2,25,049</b>  | <b>2,12,214</b>  | <b>2,26,755</b>  | <b>2,82,298</b>        | <b>2,80,822</b>       | <b>2,80,624</b>      |
|           | <b>( Sub-Total - 5+6)</b>                                    |                  |                  |                  |                  |                  |                        |                       |                      |
| 8         | Manufacturing                                                | 2,06,804         | 2,36,158         | 2,79,022         | 2,93,074         | 3,23,111         | 3,29,946               | 3,59,901              | 3,89,565             |
| 9         | Electricity, Gas and Water Supply, Other Utility Services    | 18,021           | 19,376           | 26,868           | 25,881           | 27,841           | 26,413                 | 35,646                | 35,386               |
| 10        | Construction                                                 | 76,841           | 79,642           | 86,650           | 95,206           | 94,446           | 1,02,317               | 1,14,558              | 1,24,910             |
| <b>11</b> | <b>Secondary Sector</b>                                      | <b>3,01,666</b>  | <b>3,35,175</b>  | <b>3,92,540</b>  | <b>4,14,161</b>  | <b>4,45,398</b>  | <b>4,58,676</b>        | <b>5,10,105</b>       | <b>5,49,861</b>      |
|           | <b>(Sub-Total – 8+9+ 10)</b>                                 |                  |                  |                  |                  |                  |                        |                       |                      |
| <b>12</b> | <b>Industry</b>                                              | <b>3,51,340</b>  | <b>3,86,933</b>  | <b>4,34,092</b>  | <b>4,58,799</b>  | <b>5,01,595</b>  | <b>5,16,394</b>        | <b>5,69,730</b>       | <b>6,15,221</b>      |
|           | <b>(Sub-Total - 6 + 11)</b>                                  | <b>(35.5)</b>    | <b>(34.6)</b>    | <b>(34.2)</b>    | <b>(33.7)</b>    | <b>(33.7)</b>    | <b>(31.0)</b>          | <b>(31.3)</b>         | <b>(30.8)</b>        |
| 13        | Trade, Repair, Hotels & Restaurants                          | 98,061           | 1,18,598         | 1,25,776         | 1,36,727         | 1,43,462         | 1,68,866               | 1,90,771              | 2,09,626             |
| 14        | Railways                                                     | 5,125            | 5,551            | 5,759            | 6,957            | 7,607            | 9,771                  | 11,219                | 11,970               |
| 15        | Transport by means other than Railways                       | 35,801           | 42,580           | 42,929           | 48,015           | 53,301           | 56,559                 | 62,105                | 67,947               |
| 16        | Storage                                                      | 792              | 882              | 971              | 1,063            | 1,099            | 1,146                  | 1,385                 | 1,513                |
| 17        | Communication and Services related to Broadcasting           | 12,883           | 14,745           | 16,370           | 18,826           | 22,473           | 21,710                 | 19,729                | 22,118               |
| 18        | Financial Services                                           | 1,15,976         | 1,26,804         | 1,47,225         | 1,61,059         | 1,74,574         | 1,83,740               | 1,94,501              | 2,23,457             |
| 19        | Real estate, Ownership of dwellings & Professional Services. | 1,41,087         | 1,65,461         | 1,95,429         | 2,28,172         | 2,61,486         | 3,04,943               | 3,44,183              | 3,87,249             |
| 20        | Public Administration                                        | 27,844           | 31,315           | 34,972           | 38,270           | 43,040           | 49,043                 | 56,599                | 67,699               |
| 21        | Other services                                               | 58,403           | 69,424           | 81,022           | 95,552           | 1,10,378         | 1,28,460               | 1,49,200              | 1,73,515             |
| <b>22</b> | <b>Tertiary / Services Sector</b>                            | <b>4,95,972</b>  | <b>5,75,361</b>  | <b>6,50,453</b>  | <b>7,34,641</b>  | <b>8,17,418</b>  | <b>9,24,238</b>        | <b>10,29,692</b>      | <b>11,65,094</b>     |
|           | <b>(Sub-Total- 13 to 21)</b>                                 | <b>(50.1)</b>    | <b>(51.5)</b>    | <b>(51.3)</b>    | <b>(54.0)</b>    | <b>(54.9)</b>    | <b>(55.5)</b>          | <b>(56.6)</b>         | <b>(58.4)</b>        |
| <b>23</b> | <b>Net State Value Added (NSVA)</b>                          | <b>9,90,644</b>  | <b>11,17,593</b> | <b>12,68,041</b> | <b>13,61,016</b> | <b>14,89,571</b> | <b>16,65,212</b>       | <b>18,20,619</b>      | <b>19,95,579</b>     |
|           | <b>(5+12+22)</b>                                             | <b>(100.0)</b>   | <b>(100.0)</b>   | <b>(100.0)</b>   | <b>(100.0)</b>   | <b>(100.0)</b>   | <b>(100.0)</b>         | <b>(100.0)</b>        | <b>(100.0)</b>       |
| 24        | Taxes on Product                                             | 1,62,085         | 1,98,304         | 2,16,322         | 2,28,808         | 2,76,680         | 3,17,675               | 3,17,093              | 3,71,844             |
| 25        | Less Subsidies on Product                                    | 26,134           | 33,717           | 35,643           | 36,607           | 30,943           | 27,975                 | 26,889                | 34,430               |
| <b>26</b> | <b>Net State Domestic Product (23+24-25)</b>                 | <b>11,26,595</b> | <b>12,82,180</b> | <b>14,48,720</b> | <b>15,53,217</b> | <b>17,35,308</b> | <b>19,54,913</b>       | <b>21,10,823</b>      | <b>23,32,992</b>     |
| <b>27</b> | <b>Per capita NSDP (₹)</b>                                   | <b>99,597</b>    | <b>1,12,092</b>  | <b>1,25,261</b>  | <b>1,32,836</b>  | <b>1,46,815</b>  | <b>1,63,738</b>        | <b>1,75,121</b>       | <b>1,91,736</b>      |

Source : Directorate of Economics and Statistics, GoM

+++ Third Revised Estimates

++ Second Revised Estimates

+ First Revised Estimates

Note - Figures in brackets show percentages to NSVA.

Figures may not add up due to rounding.

## ANNEXURE 3.4

**REAL NET STATE VALUE ADDED AT BASIC PRICES BY INDUSTRY OF ORIGIN &  
REAL NET STATE DOMESTIC PRODUCT AT MARKET PRICES  
(AT CONSTANT (2011-12) PRICES)**

(₹crore)

| Sr. No. | Industry                                                     | 2011-12          | 2012-13          | 2013-14          | 2014-15          | 2015-16          | 2016-17 <sup>+++</sup> | 2017-18 <sup>++</sup> | 2018-19 <sup>+</sup> |
|---------|--------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------------|-----------------------|----------------------|
| (1)     | (2)                                                          | (3)              | (4)              | (5)              | (6)              | (7)              | (8)                    | (9)                   | (10)                 |
| 1       | Crops                                                        | 96,153           | 93,955           | 1,12,053         | 91,890           | 84,262           | 1,06,838               | 1,00,800              | 96,982               |
| 2       | Livestock                                                    | 28,153           | 29,206           | 29,509           | 30,672           | 32,170           | 35,888                 | 38,974                | 41,299               |
| 3       | Forestry and Logging                                         | 16,435           | 16,577           | 16,008           | 16,466           | 17,042           | 20,078                 | 21,927                | 20,307               |
| 4       | Fishing and aquaculture                                      | 2,591            | 2,590            | 2,666            | 2,843            | 2,733            | 3,301                  | 2,914                 | 2,608                |
| 5       | <b>Agriculture &amp; Allied Activities</b>                   | <b>1,43,331</b>  | <b>1,42,329</b>  | <b>1,60,235</b>  | <b>1,41,871</b>  | <b>1,36,207</b>  | <b>1,66,105</b>        | <b>1,64,615</b>       | <b>1,61,196</b>      |
|         | <b>(Sub-Total - 1+2+3+4)</b>                                 | <b>(100.0)</b>   | <b>(99.3)</b>    | <b>(111.8)</b>   | <b>(99.0)</b>    | <b>(95.0)</b>    | <b>(115.9)</b>         | <b>(114.8)</b>        | <b>(112.5)</b>       |
| 6       | Mining and Quarrying                                         | 49,674           | 52,073           | 37,829           | 46,705           | 57,343           | 59,971                 | 64,734                | 64,739               |
| 7       | <b>Primary Sector</b>                                        | <b>1,93,005</b>  | <b>1,94,402</b>  | <b>1,98,065</b>  | <b>1,88,577</b>  | <b>1,93,550</b>  | <b>2,26,076</b>        | <b>2,29,349</b>       | <b>2,25,935</b>      |
|         | <b>( Sub-Total - 5+6)</b>                                    |                  |                  |                  |                  |                  |                        |                       |                      |
| 8       | Manufacturing                                                | 2,06,804         | 2,22,021         | 2,50,479         | 2,63,691         | 2,96,268         | 3,21,906               | 3,45,526              | 3,66,414             |
| 9       | Electricity, Gas and Water Supply, Other Utility Services    | 18,021           | 18,654           | 14,316           | 19,057           | 20,253           | 21,524                 | 22,857                | 25,114               |
| 10      | Construction                                                 | 76,841           | 73,396           | 74,929           | 81,293           | 82,912           | 86,902                 | 91,164                | 95,822               |
| 11      | <b>Secondary Sector</b>                                      | <b>3,01,666</b>  | <b>3,14,070</b>  | <b>3,39,723</b>  | <b>3,64,041</b>  | <b>3,99,432</b>  | <b>4,30,331</b>        | <b>4,59,546</b>       | <b>4,87,350</b>      |
|         | <b>(Sub-Total – 8+9+ 10)</b>                                 |                  |                  |                  |                  |                  |                        |                       |                      |
| 12      | <b>Industry</b>                                              | <b>3,51,340</b>  | <b>3,66,144</b>  | <b>3,77,553</b>  | <b>4,10,746</b>  | <b>4,56,775</b>  | <b>4,90,303</b>        | <b>5,24,280</b>       | <b>5,52,089</b>      |
|         | <b>(Sub-Total - 6 + 11)</b>                                  | <b>(100.0)</b>   | <b>(104.2)</b>   | <b>(107.5)</b>   | <b>(116.9)</b>   | <b>(130.0)</b>   | <b>(139.6)</b>         | <b>(149.2)</b>        | <b>(157.1)</b>       |
| 13      | Trade, Repair, Hotels & Restaurants                          | 98,061           | 1,08,153         | 1,05,522         | 1,08,341         | 1,08,018         | 1,21,335               | 1,31,786              | 1,40,647             |
| 14      | Railways                                                     | 5,125            | 5,328            | 5,416            | 6,078            | 6,441            | 7,363                  | 8,337                 | 8,736                |
| 15      | Transport by means other than Railways                       | 35,801           | 39,394           | 40,165           | 44,841           | 51,022           | 55,617                 | 59,958                | 66,782               |
| 16      | Storage                                                      | 792              | 811              | 838              | 878              | 875              | 870                    | 1,007                 | 1,046                |
| 17      | Communication and Services related to Broadcasting           | 12,883           | 13,480           | 13,571           | 15,613           | 19,026           | 17,636                 | 15,235                | 16,460               |
| 18      | Financial Services                                           | 1,15,976         | 1,25,184         | 1,41,994         | 1,52,929         | 1,61,928         | 1,70,674               | 1,75,264              | 1,83,510             |
| 19      | Real estate, Ownership of dwellings & Professional Services. | 1,41,087         | 1,51,984         | 1,67,687         | 1,88,001         | 2,07,087         | 2,27,262               | 2,43,415              | 2,62,575             |
| 20      | Public Administration                                        | 27,844           | 28,223           | 28,689           | 29,551           | 31,399           | 33,963                 | 37,817                | 43,845               |
| 21      | Other services                                               | 58,403           | 64,121           | 70,694           | 79,701           | 87,938           | 97,821                 | 1,08,544              | 1,19,874             |
| 22      | <b>Tertiary / Services Sector</b>                            | <b>4,95,972</b>  | <b>5,36,678</b>  | <b>5,74,576</b>  | <b>6,25,933</b>  | <b>6,73,732</b>  | <b>7,32,541</b>        | <b>7,81,364</b>       | <b>8,43,475</b>      |
|         | <b>(Sub-Total- 13 to 21)</b>                                 | <b>(100.0)</b>   | <b>(108.2)</b>   | <b>(115.8)</b>   | <b>(126.2)</b>   | <b>(135.8)</b>   | <b>(147.7)</b>         | <b>(157.5)</b>        | <b>(170.1)</b>       |
| 23      | <b>Net State Value Added (NSVA)</b>                          | <b>9,90,644</b>  | <b>10,45,151</b> | <b>11,12,364</b> | <b>11,78,551</b> | <b>12,66,715</b> | <b>13,88,949</b>       | <b>14,70,259</b>      | <b>15,56,760</b>     |
|         | <b>(5+12+22)</b>                                             | <b>(100.0)</b>   | <b>(105.5)</b>   | <b>(112.3)</b>   | <b>(119.0)</b>   | <b>(127.9)</b>   | <b>(140.2)</b>         | <b>(148.4)</b>        | <b>(157.1)</b>       |
| 24      | Taxes on Product                                             | 1,62,085         | 1,77,155         | 1,87,889         | 1,98,541         | 2,12,210         | 2,30,678               | 2,47,774              | 2,64,388             |
| 25      | Less Subsidies on Product                                    | 26,134           | 32,595           | 32,702           | 31,750           | 26,411           | 23,449                 | 21,819                | 27,025               |
| 26      | <b>Net State Domestic Product (23+24-25)</b>                 | <b>11,26,595</b> | <b>11,89,711</b> | <b>12,67,551</b> | <b>13,45,341</b> | <b>14,52,513</b> | <b>15,96,177</b>       | <b>16,96,214</b>      | <b>17,94,123</b>     |
| 27      | <b>Per capita NSDP (₹)</b>                                   | <b>99,597</b>    | <b>1,04,008</b>  | <b>1,09,597</b>  | <b>1,15,058</b>  | <b>1,22,889</b>  | <b>1,33,691</b>        | <b>1,40,724</b>       | <b>1,47,450</b>      |

Source : Directorate of Economics and Statistics, GoM

+++ Third Revised Estimates

++ Second Revised Estimates

+ First Revised Estimates

Note - Figures in brackets show percentages to col. (3)

Figures may not add up due to rounding.

## ANNEXURE 3.5

**NOMINAL GROSS VALUE ADDED AT BASIC PRICES BY INDUSTRY OF ORIGIN,  
NOMINAL GROSS DOMESTIC PRODUCT AT MARKET PRICES & GROSS NATIONAL INCOME  
(AT CURRENT PRICES)**

(₹crore)

| Sr. No. | Industry                                                   | 2011-12          | 2012-13          | 2013-14            | 2014-15            | 2015-16            | 2016-17 <sup>+++</sup> | 2017-18 <sup>++</sup> | 2018-19 <sup>+</sup> |
|---------|------------------------------------------------------------|------------------|------------------|--------------------|--------------------|--------------------|------------------------|-----------------------|----------------------|
| (1)     | (2)                                                        | (3)              | (4)              | (5)                | (6)                | (7)                | (8)                    | (9)                   | (10)                 |
| 1       | Crops                                                      | 9,82,151         | 10,88,814        | 12,48,776          | 12,92,874          | 13,27,992          | 14,86,044              | 16,06,057             | 16,14,938            |
| 2       | Livestock                                                  | 3,27,334         | 3,68,823         | 4,22,733           | 5,10,411           | 5,82,410           | 6,72,611               | 7,85,180              | 8,71,884             |
| 3       | Forestry and Logging                                       | 1,24,436         | 1,37,558         | 1,56,674           | 1,73,760           | 1,84,411           | 2,05,364               | 2,19,109              | 2,23,109             |
| 4       | Fishing and aquaculture                                    | 68,027           | 79,911           | 98,190             | 1,16,567           | 1,32,720           | 1,54,643               | 1,86,561              | 2,12,915             |
| 5       | <b>Agriculture &amp; Allied Activities</b>                 | <b>15,01,947</b> | <b>16,75,107</b> | <b>19,26,372</b>   | <b>20,93,612</b>   | <b>22,27,533</b>   | <b>25,18,662</b>       | <b>27,96,908</b>      | <b>29,22,846</b>     |
|         | <b>(Sub-Total - 1+2+3+4)</b>                               | <b>(18.5)</b>    | <b>(18.2)</b>    | <b>(18.6)</b>      | <b>(18.2)</b>      | <b>(17.7)</b>      | <b>(18.0)</b>          | <b>(18.0)</b>         | <b>(17.1)</b>        |
| 6       | Mining & quarrying                                         | 2,61,035         | 2,85,842         | 2,95,794           | 3,08,476           | 2,94,011           | 3,26,808               | 3,57,788              | 3,89,322             |
| 7       | <b>Primary Sector</b>                                      | <b>17,62,983</b> | <b>19,60,949</b> | <b>22,22,166</b>   | <b>24,02,088</b>   | <b>25,21,544</b>   | <b>28,45,470</b>       | <b>31,54,696</b>      | <b>33,12,168</b>     |
|         | <b>(Sub-Total - 5+6)</b>                                   |                  |                  |                    |                    |                    |                        |                       |                      |
| 8       | Manufacturing                                              | 14,09,986        | 15,72,837        | 17,13,452          | 18,78,369          | 21,46,189          | 23,33,721              | 25,46,608             | 27,66,767            |
| 9       | Electricity, Gas, Water supply & Other Utility Services    | 1,86,668         | 2,15,350         | 2,60,155           | 2,82,258           | 3,34,965           | 3,55,709               | 4,25,101              | 4,56,413             |
| 10      | Construction                                               | 7,77,335         | 8,49,365         | 9,21,470           | 9,79,086           | 9,91,084           | 10,80,870              | 11,97,931             | 13,44,279            |
| 11      | <b>Secondary Sector</b>                                    | <b>23,73,988</b> | <b>26,37,551</b> | <b>28,95,076</b>   | <b>31,39,713</b>   | <b>34,72,237</b>   | <b>37,70,300</b>       | <b>41,69,639</b>      | <b>45,67,459</b>     |
|         | <b>(Sub-Total - 8+9+10)</b>                                |                  |                  |                    |                    |                    |                        |                       |                      |
| 12      | <b>Industry</b>                                            | <b>26,35,023</b> | <b>29,23,393</b> | <b>31,90,871</b>   | <b>34,48,189</b>   | <b>37,66,248</b>   | <b>40,97,108</b>       | <b>45,27,427</b>      | <b>49,56,781</b>     |
|         | <b>(Sub-Total - 6 + 11)</b>                                | <b>(32.5)</b>    | <b>(31.8)</b>    | <b>(30.8)</b>      | <b>(30.0)</b>      | <b>(30.0)</b>      | <b>(29.3)</b>          | <b>(29.2)</b>         | <b>(28.9)</b>        |
| 13      | Trade, Repair, Hotels & Restaurants                        | 8,83,582         | 10,54,533        | 11,84,560          | 13,20,833          | 14,33,969          | 16,09,001              | 18,33,267             | 20,73,330            |
| 14      | Railways                                                   | 61,150           | 72,296           | 78,724             | 92,459             | 1,00,451           | 1,06,786               | 1,16,252              | 1,24,309             |
| 15      | Transport by means other than Railways                     | 3,37,347         | 3,88,023         | 4,27,352           | 4,81,455           | 5,15,790           | 5,68,118               | 6,12,823              | 6,67,442             |
| 16      | Storage                                                    | 5,108            | 6,165            | 6,026              | 6,407              | 7,021              | 7,442                  | 8,384                 | 9,070                |
| 17      | Communication and Services related to Broadcasting         | 1,25,930         | 1,42,969         | 1,77,804           | 2,06,442           | 2,37,282           | 2,47,809               | 2,41,980              | 2,68,468             |
| 18      | Financial services                                         | 4,80,226         | 5,36,819         | 5,99,341           | 6,61,411           | 7,26,286           | 7,50,201               | 8,43,923              | 9,52,306             |
| 19      | Real estate, Ownership of dwelling & Professional Services | 10,50,651        | 12,39,813        | 14,70,167          | 17,01,935          | 18,99,852          | 21,61,236              | 23,62,636             | 26,69,824            |
| 20      | Public administration & Defence                            | 4,91,155         | 5,46,231         | 6,01,912           | 6,76,818           | 7,31,578           | 8,27,438               | 9,44,085              | 10,67,949            |
| 21      | Other Services                                             | 5,34,827         | 6,17,343         | 7,00,023           | 8,14,718           | 9,28,489           | 10,71,399              | 12,25,437             | 14,27,635            |
| 22      | <b>Tertiary / Services Sector</b>                          | <b>39,69,975</b> | <b>46,04,192</b> | <b>52,45,910</b>   | <b>59,62,479</b>   | <b>65,80,718</b>   | <b>73,49,430</b>       | <b>81,88,787</b>      | <b>92,60,334</b>     |
|         | <b>(Sub-Total- 13 to 21)</b>                               | <b>(49.0)</b>    | <b>(50.0)</b>    | <b>(50.6)</b>      | <b>(51.8)</b>      | <b>(52.3)</b>      | <b>(52.6)</b>          | <b>(52.8)</b>         | <b>(54.0)</b>        |
| 23      | <b>Gross Value Added (GVA)</b>                             | <b>81,06,946</b> | <b>92,02,692</b> | <b>1,03,63,153</b> | <b>1,15,04,279</b> | <b>1,25,74,499</b> | <b>1,39,65,200</b>     | <b>1,55,13,122</b>    | <b>1,71,39,962</b>   |
|         | <b>(5+12+22)</b>                                           | <b>(100.0)</b>   | <b>(100.0)</b>   | <b>(100.0)</b>     | <b>(100.0)</b>     | <b>(100.0)</b>     | <b>(100.0)</b>         | <b>(100.0)</b>        | <b>(100.0)</b>       |
| 24      | Taxes on products                                          | 8,90,060         | 10,57,977        | 11,80,444          | 12,91,662          | 15,18,496          | 17,46,288              | 18,99,750             | 22,31,441            |
| 25      | Less subsidies on products                                 | 2,60,677         | 3,16,656         | 3,10,075           | 3,27,982           | 3,21,120           | 3,19,819               | 3,14,568              | 4,00,166             |
| 26      | <b>Gross Domestic Product</b>                              | <b>87,36,329</b> | <b>99,44,013</b> | <b>1,12,33,522</b> | <b>1,24,67,959</b> | <b>1,37,71,874</b> | <b>1,53,91,669</b>     | <b>1,70,98,304</b>    | <b>1,89,71,237</b>   |
|         | <b>(23+24-25)</b>                                          |                  |                  |                    |                    |                    |                        |                       |                      |
| 27      | Primary income receivable from ROW                         | (-76,824)        | (-1,16,763)      | (-1,39,884)        | (-1,47,430)        | (-1,59,779)        | (-1,76,400)            | (-1,84,813)           | (-2,02,324)          |
| 28      | <b>Gross National Income</b>                               | <b>86,59,505</b> | <b>98,27,250</b> | <b>1,10,93,638</b> | <b>1,23,20,529</b> | <b>1,36,12,095</b> | <b>1,52,15,269</b>     | <b>1,69,13,491</b>    | <b>1,87,68,912</b>   |
|         | <b>(26+27)</b>                                             |                  |                  |                    |                    |                    |                        |                       |                      |
| 29      | <b>Per Capita Gross National Income (₹)</b>                | <b>70,980</b>    | <b>79,573</b>    | <b>88,678</b>      | <b>97,242</b>      | <b>1,06,096</b>    | <b>1,17,131</b>        | <b>1,28,718</b>       | <b>1,41,439</b>      |

Source : National Statistical Office, Gol

+++ Third Revised Estimates

++ Second revised estimates

+ First revised estimates

Note - Figures in brackets show percentages to GVA

Figures may not add up due to rounding.



**ANNEXURE 3.6**  
**REAL GROSS VALUE ADDED AT BASIC PRICES BY INDUSTRY OF ORIGIN,**  
**REAL GROSS DOMESTIC PRODUCT AT MARKET PRICES & GROSS NATIONAL INCOME**  
**(AT CONSTANT (2011-12) PRICES)**

(₹crore)

| Sr. No. | Industry                                                   | 2011-12          | 2012-13          | 2013-14          | 2014-15            | 2015-16            | 2016-17 <sup>++</sup> | 2017-18 <sup>++</sup> | 2018-19 <sup>+</sup> |
|---------|------------------------------------------------------------|------------------|------------------|------------------|--------------------|--------------------|-----------------------|-----------------------|----------------------|
| (1)     | (2)                                                        | (3)              | (4)              | (5)              | (6)                | (7)                | (8)                   | (9)                   | (10)                 |
| 1       | Crops                                                      | 9,82,151         | 9,83,809         | 10,37,060        | 9,98,425           | 9,69,344           | 10,20,258             | 10,64,796             | 10,54,179            |
| 2       | Livestock                                                  | 3,27,334         | 3,44,375         | 3,63,558         | 3,90,449           | 4,19,637           | 4,61,572              | 4,95,834              | 5,36,035             |
| 3       | Forestry and Logging                                       | 1,24,436         | 1,24,743         | 1,32,093         | 1,34,609           | 1,36,960           | 1,44,547              | 1,53,451              | 1,54,115             |
| 4       | Fishing and aquaculture                                    | 68,027           | 71,362           | 76,487           | 82,232             | 90,205             | 99,627                | 1,14,248              | 1,28,011             |
| 5       | <b>Agriculture &amp; Allied Activities</b>                 | <b>15,01,947</b> | <b>15,24,288</b> | <b>16,09,198</b> | <b>16,05,715</b>   | <b>16,16,146</b>   | <b>17,26,004</b>      | <b>18,28,329</b>      | <b>18,72,339</b>     |
|         | <b>(Sub-Total - 1+2+3+4)</b>                               | <b>(100.0)</b>   | <b>(101.5)</b>   | <b>(107.1)</b>   | <b>(106.9)</b>     | <b>(107.6)</b>     | <b>(114.9)</b>        | <b>(121.7)</b>        | <b>(124.7)</b>       |
| 6       | Mining & quarrying                                         | 2,61,035         | 2,62,609         | 2,63,107         | 2,88,685           | 3,17,974           | 3,49,248              | 3,66,496              | 3,45,069             |
| 7       | <b>Primary Sector</b>                                      | <b>17,62,983</b> | <b>17,86,897</b> | <b>18,72,305</b> | <b>18,94,401</b>   | <b>19,34,120</b>   | <b>20,75,252</b>      | <b>21,94,824</b>      | <b>22,17,408</b>     |
|         | <b>(Sub-Total - 5+6)</b>                                   |                  |                  |                  |                    |                    |                       |                       |                      |
| 8       | Manufacturing                                              | 14,09,986        | 14,86,873        | 15,60,709        | 16,83,938          | 19,03,850          | 20,54,764             | 21,90,791             | 23,16,643            |
| 9       | Electricity, Gas, Water supply & Other Utility Services    | 1,86,668         | 1,91,635         | 1,99,601         | 2,14,047           | 2,24,158           | 2,46,496              | 2,74,104              | 2,96,560             |
| 10      | Construction                                               | 7,77,335         | 7,80,050         | 8,00,771         | 8,35,229           | 8,65,335           | 9,16,445              | 9,62,009              | 10,20,314            |
| 11      | <b>Secondary Sector</b>                                    | <b>23,73,988</b> | <b>24,58,558</b> | <b>25,61,081</b> | <b>27,33,213</b>   | <b>29,93,343</b>   | <b>32,17,705</b>      | <b>34,26,904</b>      | <b>36,33,517</b>     |
|         | <b>(Sub-Total - 8+9+10)</b>                                |                  |                  |                  |                    |                    |                       |                       |                      |
| 12      | <b>Industry</b>                                            | <b>26,35,023</b> | <b>27,21,167</b> | <b>28,24,188</b> | <b>30,21,899</b>   | <b>33,11,316</b>   | <b>35,66,953</b>      | <b>37,93,400</b>      | <b>39,78,586</b>     |
|         | <b>(Sub-Total - 6+11)</b>                                  | <b>(100.0)</b>   | <b>(103.3)</b>   | <b>(107.2)</b>   | <b>(114.7)</b>     | <b>(125.7)</b>     | <b>(135.4)</b>        | <b>(144.0)</b>        | <b>(151.0)</b>       |
| 13      | Trade, Repair, Hotels & Restaurants                        | 8,83,582         | 9,81,620         | 10,34,506        | 11,35,841          | 12,61,426          | 13,89,322             | 15,27,818             | 16,57,344            |
| 14      | Railways                                                   | 61,150           | 69,162           | 73,685           | 80,720             | 85,452             | 82,161                | 87,886                | 92,291               |
| 15      | Transport by means other than Railways                     | 3,37,347         | 3,60,140         | 3,82,630         | 4,09,551           | 4,38,458           | 4,64,899              | 4,94,669              | 5,29,069             |
| 16      | Storage                                                    | 5,108            | 5,716            | 5,210            | 5,529              | 6,245              | 6,100                 | 6,660                 | 6,892                |
| 17      | Communication and Services related to Broadcasting         | 1,25,930         | 1,34,505         | 1,56,031         | 1,76,047           | 2,01,243           | 2,03,896              | 1,92,827              | 2,02,453             |
| 18      | Financial services                                         | 4,80,226         | 5,29,792         | 5,77,914         | 6,27,255           | 6,72,788           | 6,95,983              | 7,29,265              | 7,63,576             |
| 19      | Real estate, Ownership of dwelling & Professional Services | 10,50,651        | 11,50,239        | 12,89,493        | 14,46,460          | 16,21,999          | 17,96,983             | 18,79,751             | 20,23,280            |
| 20      | Public administration & Defence                            | 4,91,155         | 5,01,383         | 5,10,046         | 5,43,853           | 5,65,106           | 6,14,238              | 6,75,821              | 7,37,893             |
| 21      | Other Services                                             | 5,34,827         | 5,68,262         | 6,00,748         | 6,59,262           | 7,11,691           | 7,81,744              | 8,57,988              | 9,39,405             |
| 22      | <b>Tertiary / Services Sector</b>                          | <b>39,69,975</b> | <b>43,00,820</b> | <b>46,30,263</b> | <b>50,84,519</b>   | <b>55,64,408</b>   | <b>60,35,327</b>      | <b>64,52,685</b>      | <b>69,52,203</b>     |
|         | <b>(Sub-Total- 13 to 21)</b>                               | <b>(100.0)</b>   | <b>(108.3)</b>   | <b>(116.6)</b>   | <b>(128.1)</b>     | <b>(140.2)</b>     | <b>(152.0)</b>        | <b>(162.5)</b>        | <b>(175.1)</b>       |
| 23      | <b>Gross Value Added (GVA)</b>                             | <b>81,06,946</b> | <b>85,46,275</b> | <b>90,63,649</b> | <b>97,12,133</b>   | <b>1,04,91,870</b> | <b>1,13,28,285</b>    | <b>1,20,74,413</b>    | <b>1,28,03,128</b>   |
|         | <b>(5+12+22)</b>                                           | <b>(100.0)</b>   | <b>(105.4)</b>   | <b>(111.8)</b>   | <b>(119.8)</b>     | <b>(129.4)</b>     | <b>(139.7)</b>        | <b>(148.9)</b>        | <b>(157.9)</b>       |
| 24      | Taxes on products                                          | 8,90,060         | 9,60,811         | 10,08,913        | 10,92,430          | 11,45,558          | 12,39,334             | 13,45,585             | 14,77,219            |
| 25      | Less subsidies on products                                 | 2,60,677         | 2,94,070         | 2,71,192         | 2,76,889           | 2,67,935           | 2,59,425              | 2,44,838              | 2,98,921             |
| 26      | <b>Gross Domestic Product (23+24-25)</b>                   | <b>87,36,329</b> | <b>92,13,017</b> | <b>98,01,370</b> | <b>1,05,27,674</b> | <b>1,13,69,493</b> | <b>1,23,08,193</b>    | <b>1,31,75,160</b>    | <b>1,39,81,426</b>   |
| 27      | Primary income receivable from ROW                         | (-76,824)        | (-1,08,354)      | (-1,22,343)      | (-1,24,687)        | (-1,34,922)        | (-1,44,575)           | (-1,45,853)           | (-1,52,358)          |
| 28      | <b>Gross National Income (26+27)</b>                       | <b>86,59,505</b> | <b>91,04,662</b> | <b>96,79,027</b> | <b>1,04,02,987</b> | <b>1,12,34,571</b> | <b>1,21,63,619</b>    | <b>1,30,29,307</b>    | <b>1,38,29,068</b>   |
| 29      | <b>Per Capita Gross National Income (₹)</b>                | <b>70,980</b>    | <b>73,722</b>    | <b>77,370</b>    | <b>82,107</b>      | <b>87,565</b>      | <b>93,638</b>         | <b>99,158</b>         | <b>1,04,213</b>      |

Source : National Statistical Office, GoI

+++ Third Revised Estimates

++ Second revised estimates

+ First revised estimates

Note - Figures in brackets show percentages to Col. (3)

Figures may not add up due to rounding.

## ANNEXURE 3.7

**NOMINAL NET VALUE ADDED AT BASIC PRICES BY INDUSTRY OF ORIGIN,  
NOMINAL NET DOMESTIC PRODUCT AT MARKET PRICES & NET NATIONAL INCOME  
(AT CURRENT PRICES)**

(₹ crore)

| Sr. No. | Industry                                                   | 2011-12          | 2012-13          | 2013-14            | 2014-15            | 2015-16            | 2016-17 <sup>+++</sup> | 2017-18 <sup>++</sup>  | 2018-19 <sup>+</sup>   |
|---------|------------------------------------------------------------|------------------|------------------|--------------------|--------------------|--------------------|------------------------|------------------------|------------------------|
| (1)     | (2)                                                        | (3)              | (4)              | (5)                | (6)                | (7)                | (8)                    | (9)                    | (10)                   |
| 1       | Crops                                                      | 9,00,975         | 9,93,480         | 11,37,605          | 11,68,061          | 11,91,903          | 23,48,040 <sup>†</sup> | 26,12,987 <sup>†</sup> | 27,23,514 <sup>†</sup> |
| 2       | Livestock                                                  | 3,22,185         | 3,62,769         | 4,15,763           | 5,02,798           | 5,74,764           |                        |                        |                        |
| 3       | Forestry and Logging                                       | 1,23,070         | 1,36,045         | 1,55,045           | 1,72,049           | 1,82,679           |                        |                        |                        |
| 4       | Fishing and aquaculture                                    | 60,039           | 71,107           | 88,220             | 1,05,592           | 1,20,794           |                        |                        |                        |
| 5       | <b>Agriculture &amp; Allied Activities</b>                 | <b>14,06,268</b> | <b>15,63,401</b> | <b>17,96,633</b>   | <b>19,48,500</b>   | <b>20,70,140</b>   | <b>23,48,040</b>       | <b>26,12,987</b>       | <b>27,23,514</b>       |
|         | <b>(Sub-Total - 1+2+3+4)</b>                               | <i>(19.6)</i>    | <i>(19.2)</i>    | <i>(19.6)</i>      | <i>(19.2)</i>      | <i>(18.6)</i>      | <i>(19.0)</i>          | <i>(19.0)</i>          | <i>(18.0)</i>          |
| 6       | Mining & quarrying                                         | 2,29,186         | 2,49,771         | 2,52,785           | 2,61,787           | 2,44,585           | 2,75,183               | 3,02,426               | 3,29,636               |
| 7       | <b>Primary Sector</b>                                      | <b>16,35,454</b> | <b>18,13,173</b> | <b>20,49,418</b>   | <b>22,10,287</b>   | <b>23,14,725</b>   | <b>26,23,224</b>       | <b>29,15,414</b>       | <b>30,53,150</b>       |
|         | <b>(Sub-Total - 5+6)</b>                                   |                  |                  |                    |                    |                    |                        |                        |                        |
| 8       | Manufacturing                                              | 11,46,928        | 12,89,125        | 14,11,657          | 15,54,656          | 18,02,694          | 19,68,540              | 21,55,128              | 23,40,132              |
| 9       | Electricity, Gas, Water supply & Other Utility Services    | 1,23,811         | 1,40,178         | 1,73,574           | 1,82,728           | 2,25,552           | 2,36,476               | 2,95,276               | 3,13,319               |
| 10      | Construction                                               | 7,38,178         | 7,96,849         | 8,66,610           | 9,20,941           | 9,31,992           | 10,14,415              | 11,22,581              | 12,56,847              |
| 11      | <b>Secondary Sector</b>                                    | <b>20,08,917</b> | <b>22,26,152</b> | <b>24,51,841</b>   | <b>26,58,325</b>   | <b>29,60,238</b>   | <b>32,19,432</b>       | <b>35,72,985</b>       | <b>39,10,298</b>       |
|         | <b>(Sub-Total - 8+9+10)</b>                                |                  |                  |                    |                    |                    |                        |                        |                        |
| 12      | <b>Industry</b>                                            | <b>22,38,103</b> | <b>24,75,923</b> | <b>27,04,626</b>   | <b>29,20,112</b>   | <b>32,04,823</b>   | <b>34,94,615</b>       | <b>38,75,411</b>       | <b>42,39,934</b>       |
|         | <b>(Sub-Total - 6 + 11)</b>                                | <i>(31.1)</i>    | <i>(30.4)</i>    | <i>(29.5)</i>      | <i>(28.7)</i>      | <i>(28.8)</i>      | <i>(28.2)</i>          | <i>(28.2)</i>          | <i>(28.0)</i>          |
| 13      | Trade, Repair, Hotels & Restaurants                        | 8,38,114         | 9,97,253         | 11,20,451          | 12,47,371          | 13,52,232          | 15,14,613              | 17,21,365              | 19,43,225              |
| 14      | Railways                                                   | 48,532           | 57,297           | 61,449             | 70,457             | 76,041             | 7,62,367 <sup>†</sup>  | 7,81,816 <sup>†</sup>  | 8,34,268 <sup>†</sup>  |
| 15      | Transport by means other than Railways                     | 2,88,061         | 3,30,410         | 3,68,454           | 4,18,654           | 4,48,354           |                        |                        |                        |
| 16      | Storage                                                    | 4,352            | 5,331            | 5,116              | 5,370              | 5,905              |                        |                        |                        |
| 17      | Communication and Services related to Broadcasting         | 1,02,776         | 1,16,669         | 1,33,058           | 1,57,285           | 1,82,334           |                        |                        |                        |
| 18      | Financial services                                         | 4,73,399         | 5,28,329         | 5,89,132           | 6,49,295           | 7,11,622           | 7,33,707               | 8,25,755               | 9,31,035               |
| 19      | Real estate, Ownership of dwelling & Professional Services | 8,97,897         | 10,48,811        | 12,44,046          | 14,23,577          | 15,93,181          | 18,16,045              | 19,77,825              | 22,33,364              |
| 20      | Public administration & Defence                            | 4,05,592         | 4,54,144         | 5,03,188           | 5,71,755           | 6,23,316           | 7,13,596               | 8,21,647               | 9,34,672               |
| 21      | Other Services                                             | 4,86,677         | 5,64,219         | 6,41,025           | 7,49,614           | 8,56,854           | 9,90,884               | 11,32,371              | 13,20,326              |
| 22      | <b>Tertiary / Services Sector</b>                          | <b>35,45,400</b> | <b>41,02,463</b> | <b>46,65,918</b>   | <b>52,93,376</b>   | <b>58,49,839</b>   | <b>65,31,212</b>       | <b>72,60,779</b>       | <b>81,96,890</b>       |
|         | <b>(Sub-Total- 13 to 21)</b>                               | <i>(49.3)</i>    | <i>(50.4)</i>    | <i>(50.9)</i>      | <i>(52.1)</i>      | <i>(52.6)</i>      | <i>(52.8)</i>          | <i>(52.8)</i>          | <i>(54.1)</i>          |
| 23      | <b>Net Value Added (NVA)</b>                               | <b>71,89,771</b> | <b>81,41,787</b> | <b>91,67,178</b>   | <b>1,01,61,988</b> | <b>1,11,24,802</b> | <b>1,23,73,868</b>     | <b>1,37,49,176</b>     | <b>1,51,60,337</b>     |
|         | <b>(5+12+22)</b>                                           | <i>(100.0)</i>   | <i>(100.0)</i>   | <i>(100.0)</i>     | <i>(100.0)</i>     | <i>(100.0)</i>     | <i>(100.0)</i>         | <i>(100.0)</i>         | <i>(100.0)</i>         |
| 24      | Taxes on products                                          | 8,90,060         | 10,57,977        | 11,80,444          | 12,91,662          | 15,18,496          | 17,46,288              | 18,99,750              | 22,31,441              |
| 25      | Less subsidies on products                                 | 2,60,677         | 3,16,656         | 3,10,075           | 3,27,982           | 3,21,120           | 3,19,819               | 3,14,568               | 4,00,166               |
| 26      | <b>Net Domestic Product (23+24-25)</b>                     | <b>78,19,154</b> | <b>88,83,108</b> | <b>1,00,37,547</b> | <b>1,11,25,668</b> | <b>1,23,22,177</b> | <b>1,38,00,337</b>     | <b>1,53,34,357</b>     | <b>1,69,91,613</b>     |
| 27      | Primary income receivable from ROW                         | (-76,824)        | (-1,16,763)      | (-1,39,884)        | (-1,47,430)        | (-1,59,779)        | (-1,76,400)            | (-1,84,813)            | (-2,02,324)            |
| 28      | <b>Net National Income (26+27)</b>                         | <b>77,42,330</b> | <b>87,66,345</b> | <b>98,97,663</b>   | <b>1,09,78,238</b> | <b>1,21,62,398</b> | <b>1,36,23,937</b>     | <b>1,51,49,545</b>     | <b>1,67,89,288</b>     |
| 29      | <b>Per Capita Net National Income (₹)</b>                  | <b>63,462</b>    | <b>70,983</b>    | <b>79,118</b>      | <b>86,647</b>      | <b>94,797</b>      | <b>1,04,880</b>        | <b>1,15,293</b>        | <b>1,26,521</b>        |

Source : National Statistical Office, GoI

† Breakup not available

+++ Third Revised Estimates

++ Second revised estimates

+ First revised estimates

Note - Figures in brackets show percentages to NVA

Figures may not add up due to rounding.

## ANNEXURE 3.8

**REAL NET VALUE ADDED AT BASIC PRICES BY INDUSTRY OF ORIGIN,  
REAL NET DOMESTIC PRODUCT AT MARKET PRICES & NET NATIONAL INCOME  
(AT CONSTANT (2011-12) PRICES)**

(₹crore)

| Sr. No. | Industry                                                             | 2011-12                     | 2012-13                     | 2013-14                     | 2014-15                     | 2015-16                     | 2016-17 <sup>+++</sup>      | 2017-18 <sup>++</sup>         | 2018-19 <sup>+</sup>          |
|---------|----------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|
| (1)     | (2)                                                                  | (3)                         | (4)                         | (5)                         | (6)                         | (7)                         | (8)                         | (9)                           | (10)                          |
| 1       | Crops                                                                | 9,00,975                    | 8,96,366                    | 9,41,924                    | 8,96,785                    | 8,63,339                    | 15,94,736 <sup>†</sup>      | 16,90,159 <sup>†</sup>        | 17,27,044 <sup>†</sup>        |
| 2       | Livestock                                                            | 3,22,185                    | 3,38,786                    | 3,57,438                    | 3,83,865                    | 4,12,787                    |                             |                               |                               |
| 3       | Forestry and Logging                                                 | 1,23,070                    | 1,23,343                    | 1,30,661                    | 1,33,134                    | 1,35,429                    |                             |                               |                               |
| 4       | Fishing and aquaculture                                              | 60,039                      | 62,915                      | 67,436                      | 72,535                      | 79,783                      |                             |                               |                               |
| 5       | <b>Agriculture &amp; Allied Activities<br/>(Sub-Total - 1+2+3+4)</b> | <b>14,06,268</b><br>(100.0) | <b>14,21,409</b><br>(101.1) | <b>14,97,458</b><br>(106.5) | <b>14,86,319</b><br>(105.7) | <b>14,91,337</b><br>(106.0) | <b>15,94,736</b><br>(113.4) | <b>16,90,159</b><br>(120.2)   | <b>17,27,044</b><br>(122.8)   |
| 6       | Mining & quarrying                                                   | 2,29,186                    | 2,28,405                    | 2,24,332                    | 2,48,479                    | 2,76,579                    | 3,06,743                    | 3,22,069                      | 2,98,681                      |
| 7       | <b>Primary Sector<br/>(Sub-Total - 5+6)</b>                          | <b>16,35,454</b>            | <b>16,49,814</b>            | <b>17,21,790</b>            | <b>17,34,798</b>            | <b>17,67,916</b>            | <b>19,01,479</b>            | <b>20,12,228</b>              | <b>20,25,725</b>              |
| 8       | Manufacturing                                                        | 11,46,928                   | 12,13,903                   | 12,78,832                   | 13,93,158                   | 15,95,406                   | 17,27,321                   | 18,47,673                     | 19,55,566                     |
| 9       | Electricity, Gas, Water supply & Other Utility Services              | 1,23,811                    | 1,19,338                    | 1,18,076                    | 1,25,088                    | 1,25,998                    | 1,39,662                    | 1,60,583                      | 1,75,436                      |
| 10      | Construction                                                         | 7,38,178                    | 7,28,691                    | 7,47,210                    | 7,81,289                    | 8,09,853                    | 8,53,049                    | 8,90,469                      | 9,39,753                      |
| 11      | <b>Secondary Sector<br/>(Sub-Total - 8+9+10)</b>                     | <b>20,08,917</b>            | <b>20,61,932</b>            | <b>21,44,118</b>            | <b>22,99,534</b>            | <b>25,31,257</b>            | <b>27,20,032</b>            | <b>28,98,726</b>              | <b>30,70,755</b>              |
| 12      | <b>Industry<br/>(Sub-Total - 6 + 11)</b>                             | <b>22,38,103</b><br>(100.0) | <b>22,90,337</b><br>(102.3) | <b>23,68,450</b><br>(105.8) | <b>25,48,013</b><br>(113.8) | <b>28,07,836</b><br>(125.5) | <b>30,26,775</b><br>(135.2) | <b>32,20,795</b><br>(143.9)   | <b>33,69,436</b><br>(150.5)   |
| 13      | Trade, Repair, Hotels & Restaurants                                  | 8,38,114                    | 9,27,744                    | 9,76,637                    | 10,71,289                   | 11,88,026                   | 13,05,709                   | 14,32,897                     | 15,52,100                     |
| 14      | Railways                                                             | 48,532                      | 54,891                      | 57,773                      | 61,571                      | 64,166                      | 6,09,369 <sup>†</sup>       | 6,11,647 <sup>†</sup>         | 6,33,603 <sup>†</sup>         |
| 15      | Transport by means other than Railways                               | 2,88,061                    | 3,03,606                    | 3,26,018                    | 3,51,635                    | 3,76,072                    |                             |                               |                               |
| 16      | Storage                                                              | 4,352                       | 4,931                       | 4,391                       | 4,629                       | 5,243                       |                             |                               |                               |
| 17      | Communication and Services related to Broadcasting                   | 1,02,776                    | 1,08,905                    | 1,12,617                    | 1,33,553                    | 1,54,216                    |                             |                               |                               |
| 18      | Financial services                                                   | 4,73,399                    | 5,21,589                    | 5,68,348                    | 6,16,582                    | 6,59,910                    | 6,81,553                    | 7,13,778                      | 7,46,148                      |
| 19      | Real estate, Ownership of dwelling & Professional Services           | 8,97,897                    | 9,71,315                    | 10,86,282                   | 12,08,961                   | 13,59,743                   | 15,06,813                   | 15,69,425                     | 16,88,153                     |
| 20      | Public administration & Defence                                      | 4,05,592                    | 4,13,234                    | 4,18,382                    | 4,48,787                    | 4,66,379                    | 5,10,820                    | 5,67,788                      | 6,24,572                      |
| 21      | Other Services                                                       | 4,86,677                    | 5,17,652                    | 5,46,683                    | 6,02,151                    | 6,48,053                    | 7,10,984                    | 7,79,173                      | 8,52,696                      |
| 22      | <b>Tertiary / Services Sector<br/>(Sub-Total- 13 to 21)</b>          | <b>35,45,400</b><br>(100.0) | <b>38,23,868</b><br>(107.9) | <b>40,97,130</b><br>(115.6) | <b>44,99,157</b><br>(126.9) | <b>49,21,807</b><br>(138.8) | <b>53,25,248</b><br>(150.2) | <b>56,74,708</b><br>(160.1)   | <b>60,97,272</b><br>(172.0)   |
| 23      | <b>Net Value Added (NVA)<br/>(5+12+22)</b>                           | <b>71,89,771</b><br>(100.0) | <b>75,35,614</b><br>(104.8) | <b>79,63,039</b><br>(110.8) | <b>85,33,489</b><br>(118.7) | <b>92,20,980</b><br>(128.3) | <b>99,46,758</b><br>(138.2) | <b>1,05,85,662</b><br>(147.2) | <b>1,11,93,753</b><br>(155.7) |
| 24      | Taxes on products                                                    | 8,90,060                    | 9,60,811                    | 10,08,913                   | 10,92,430                   | 11,45,558                   | 12,39,334                   | 13,45,585                     | 14,77,219                     |
| 25      | Less subsidies on products                                           | 2,60,677                    | 2,94,070                    | 2,71,192                    | 2,76,889                    | 2,67,935                    | 2,59,425                    | 2,44,838                      | 2,98,921                      |
| 26      | <b>Net Domestic Product<br/>(23+24-25)</b>                           | <b>78,19,154</b>            | <b>82,02,356</b>            | <b>87,00,760</b>            | <b>93,49,029</b>            | <b>1,00,98,603</b>          | <b>1,09,26,667</b>          | <b>1,16,86,409</b>            | <b>1,23,72,051</b>            |
| 27      | Primary income receivable from ROW                                   | (-)76,824                   | (-)1,08,354                 | (-)1,22,343                 | (-)1,24,687                 | (-)1,34,922                 | (-)1,44,575                 | (-)1,45,853                   | (-)1,52,358                   |
| 28      | <b>Net National Income<br/>(26+27)</b>                               | <b>77,42,330</b>            | <b>80,94,001</b>            | <b>85,78,417</b>            | <b>92,24,343</b>            | <b>99,63,681</b>            | <b>1,07,82,092</b>          | <b>1,15,40,556</b>            | <b>1,22,19,693</b>            |
| 29      | <b>Per Capita Net National Income (₹)</b>                            | <b>63,462</b>               | <b>65,538</b>               | <b>68,572</b>               | <b>72,805</b>               | <b>77,659</b>               | <b>83,003</b>               | <b>87,828</b>                 | <b>92,085</b>                 |

Source : National Statistical Office, GoI

† Breakup not available

+++ Third Revised Estimates

++ Second revised estimates

+ First revised estimates

Note - Figures in brackets show percentages to Col. (3)

Figures may not add up due to rounding.

**ANNEXURE 3.9**  
**NOMINAL GROSS DISTRICT VALUE ADDED (AT CURRENT PRICES)**

(₹crore)

| Sr.No. | District               | 2011-12         | 2012-13         | 2013-14         | 2014-15         | 2015-16         | 2016-17         | 2017-18         | 2018-19         |
|--------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| (1)    | (2)                    | (3)             | (4)             | (5)             | (6)             | (7)             | (8)             | (9)             | (10)            |
| 1      | Mumbai <sup>#</sup>    | 2,20,975        | 2,51,473        | 2,83,580        | 3,13,640        | 3,42,221        | 3,72,073        | 4,13,372        | 4,59,551        |
| 2      | Thane <sup>\$</sup>    | 1,63,761        | 1,86,203        | 2,09,677        | 2,31,688        | 2,52,443        | 2,75,486        | 3,05,551        | 3,38,872        |
| 3      | Raigad                 | 29,576          | 33,679          | 37,995          | 42,886          | 47,028          | 50,204          | 55,669          | 61,264          |
| 4      | Ratnagiri              | 13,842          | 15,728          | 18,172          | 22,238          | 21,795          | 25,405          | 28,117          | 28,567          |
| 5      | Sindhudurg             | 8,033           | 9,153           | 10,316          | 11,174          | 11,987          | 13,907          | 16,911          | 16,479          |
|        | <b>KOKAN DIV.</b>      | <b>4,36,186</b> | <b>4,96,236</b> | <b>5,59,740</b> | <b>6,21,626</b> | <b>6,75,474</b> | <b>7,37,076</b> | <b>8,19,619</b> | <b>9,04,733</b> |
| 6      | Nashik                 | 55,289          | 66,481          | 77,227          | 78,428          | 83,159          | 89,662          | 1,03,580        | 1,10,162        |
| 7      | Dhule                  | 14,564          | 16,408          | 18,906          | 21,068          | 22,259          | 24,179          | 27,292          | 28,233          |
| 8      | Nandurbar              | 8,010           | 8,996           | 10,374          | 10,017          | 11,045          | 12,609          | 13,546          | 14,892          |
| 9      | Jalgaon                | 29,657          | 31,912          | 37,387          | 40,536          | 42,554          | 48,243          | 52,016          | 55,869          |
| 10     | Ahmednagar             | 37,219          | 40,213          | 47,007          | 51,962          | 56,180          | 60,591          | 69,055          | 74,412          |
|        | <b>NASHIK DIV.</b>     | <b>1,44,740</b> | <b>1,64,010</b> | <b>1,90,901</b> | <b>2,02,011</b> | <b>2,15,198</b> | <b>2,35,283</b> | <b>2,65,489</b> | <b>2,83,568</b> |
| 11     | Pune                   | 1,31,145        | 1,48,820        | 1,67,755        | 1,84,575        | 2,00,727        | 2,18,777        | 2,41,532        | 2,66,408        |
| 12     | Satara                 | 25,684          | 28,432          | 32,415          | 34,862          | 38,641          | 41,472          | 46,802          | 50,922          |
| 13     | Sangli                 | 26,066          | 28,244          | 32,462          | 35,637          | 37,834          | 42,549          | 45,547          | 50,921          |
| 14     | Solapur                | 39,459          | 42,633          | 47,474          | 53,917          | 57,841          | 62,640          | 70,315          | 75,183          |
| 15     | Kolhapur               | 40,732          | 46,314          | 51,335          | 55,967          | 60,881          | 66,644          | 73,612          | 80,103          |
|        | <b>PUNE DIV.</b>       | <b>2,63,086</b> | <b>2,94,444</b> | <b>3,31,441</b> | <b>3,64,959</b> | <b>3,95,924</b> | <b>4,32,082</b> | <b>4,77,809</b> | <b>5,23,536</b> |
| 16     | Aurangabad             | 31,519          | 34,477          | 40,394          | 42,805          | 47,389          | 52,234          | 56,904          | 62,183          |
| 17     | Jalna                  | 13,178          | 13,631          | 18,328          | 15,884          | 16,539          | 20,625          | 20,619          | 21,915          |
| 18     | Parbhani               | 12,150          | 13,962          | 15,575          | 15,933          | 15,564          | 19,829          | 20,187          | 21,848          |
| 19     | Hingoli                | 5,994           | 7,090           | 7,540           | 8,691           | 8,064           | 9,640           | 10,053          | 11,145          |
| 20     | Beed                   | 15,710          | 16,636          | 19,599          | 19,485          | 20,762          | 25,509          | 26,756          | 27,174          |
| 21     | Nanded                 | 20,998          | 24,069          | 27,074          | 26,793          | 29,522          | 34,963          | 36,975          | 41,637          |
| 22     | Osmanabad              | 11,733          | 11,558          | 14,447          | 12,944          | 13,384          | 15,774          | 17,172          | 18,754          |
| 23     | Latur                  | 16,885          | 19,858          | 22,856          | 21,303          | 22,509          | 28,285          | 29,709          | 32,208          |
|        | <b>AURANGABAD DIV.</b> | <b>1,28,167</b> | <b>1,41,280</b> | <b>1,65,813</b> | <b>1,63,837</b> | <b>1,73,733</b> | <b>2,06,859</b> | <b>2,18,376</b> | <b>2,36,864</b> |
| 24     | Buldhana               | 12,924          | 14,717          | 17,791          | 16,624          | 18,093          | 22,526          | 22,128          | 24,623          |
| 25     | Akola                  | 13,030          | 15,167          | 16,951          | 17,408          | 19,231          | 23,070          | 23,656          | 26,538          |
| 26     | Washim                 | 6,262           | 7,067           | 7,968           | 7,028           | 8,150           | 9,719           | 9,611           | 11,063          |
| 27     | Amravati               | 18,893          | 22,347          | 25,070          | 27,011          | 29,772          | 35,048          | 35,427          | 39,675          |
| 28     | Yavatmal               | 15,682          | 18,730          | 19,346          | 20,202          | 23,484          | 27,804          | 28,022          | 31,400          |
|        | <b>AMRAVATI DIV.</b>   | <b>66,791</b>   | <b>78,027</b>   | <b>87,126</b>   | <b>88,273</b>   | <b>98,730</b>   | <b>1,18,166</b> | <b>1,18,844</b> | <b>1,33,298</b> |
| 29     | Wardha                 | 10,060          | 11,604          | 12,481          | 13,518          | 15,660          | 17,872          | 18,860          | 20,814          |
| 30     | Nagpur                 | 56,028          | 63,831          | 71,731          | 78,976          | 87,372          | 95,958          | 1,04,770        | 1,15,794        |
| 31     | Bhandara               | 8,061           | 9,189           | 10,349          | 11,193          | 11,899          | 13,374          | 13,860          | 15,722          |
| 32     | Gondia                 | 8,539           | 10,005          | 10,969          | 11,997          | 12,793          | 14,405          | 14,680          | 16,578          |
| 33     | Chandrapur             | 16,940          | 19,763          | 21,468          | 23,208          | 25,866          | 29,043          | 30,713          | 34,323          |
| 34     | Gadchiroli             | 5,821           | 6,653           | 6,949           | 7,340           | 7,838           | 8,506           | 9,347           | 10,147          |
|        | <b>NAGPUR DIV.</b>     | <b>1,05,449</b> | <b>1,21,044</b> | <b>1,33,947</b> | <b>1,46,233</b> | <b>1,61,429</b> | <b>1,79,157</b> | <b>1,92,230</b> | <b>2,13,379</b> |

Source : Directorate of Economics and Statistics, GoM

# Includes Mumbai city + Mumbai Suburban

\$ Includes Palghar

Note – 1) Figures may not add up due to rounding.

2) Figures for 2011-12 to 2018-19 are provisional.

3) The Estimates of Gross District Value Added are not comparable due to revision in methodology and nomenclature of revised base year 2011-12 with the estimates calculated with respective base year 2004-05 series

**ANNEXURE 3.10**  
**REAL GROSS DISTRICT VALUE ADDED (AT CONSTANT (2011-12) PRICES)**

(₹crore)

| Sr.No. | District               | 2011-12         | 2012-13         | 2013-14         | 2014-15         | 2015-16         | 2016-17         | 2017-18         | 2018-19         |
|--------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| (1)    | (2)                    | (3)             | (4)             | (5)             | (6)             | (7)             | (8)             | (9)             | (10)            |
| 1      | Mumbai <sup>#</sup>    | 2,20,975        | 2,36,324        | 2,50,630        | 2,72,621        | 2,94,038        | 3,16,496        | 3,38,381        | 3,62,185        |
| 2      | Thane <sup>\$</sup>    | 1,63,761        | 1,74,943        | 1,85,268        | 2,01,051        | 2,16,555        | 2,33,029        | 2,48,830        | 2,66,168        |
| 3      | Raigad                 | 29,576          | 31,540          | 33,387          | 37,007          | 39,855          | 42,433          | 45,168          | 48,030          |
| 4      | Ratnagiri              | 13,842          | 14,688          | 15,750          | 18,411          | 17,935          | 19,949          | 21,452          | 21,519          |
| 5      | Sindhudurg             | 8,033           | 8,495           | 8,955           | 9,282           | 9,782           | 10,765          | 12,263          | 11,846          |
|        | <b>KOKAN DIV.</b>      | <b>4,36,186</b> | <b>4,65,990</b> | <b>4,93,990</b> | <b>5,38,372</b> | <b>5,78,164</b> | <b>6,22,673</b> | <b>6,66,095</b> | <b>7,09,747</b> |
| 6      | Nashik                 | 55,289          | 61,221          | 66,051          | 68,456          | 72,546          | 78,632          | 85,790          | 88,931          |
| 7      | Dhule                  | 14,564          | 15,364          | 16,598          | 18,175          | 18,567          | 19,931          | 21,607          | 21,867          |
| 8      | Nandurbar              | 8,010           | 8,506           | 9,400           | 8,864           | 9,542           | 10,612          | 11,046          | 11,820          |
| 9      | Jalgaon                | 29,657          | 30,356          | 33,825          | 35,604          | 36,017          | 40,253          | 41,899          | 43,675          |
| 10     | Ahmednagar             | 37,219          | 38,145          | 42,036          | 44,794          | 46,129          | 49,887          | 54,635          | 57,439          |
|        | <b>NASHIK DIV.</b>     | <b>1,44,740</b> | <b>1,53,592</b> | <b>1,67,909</b> | <b>1,75,893</b> | <b>1,82,802</b> | <b>1,99,316</b> | <b>2,14,977</b> | <b>2,23,732</b> |
| 11     | Pune                   | 1,31,145        | 1,39,329        | 1,48,095        | 1,60,112        | 1,71,363        | 1,84,146        | 1,96,496        | 2,09,808        |
| 12     | Satara                 | 25,684          | 26,485          | 28,748          | 30,016          | 32,661          | 34,443          | 37,303          | 39,556          |
| 13     | Sangli                 | 26,066          | 26,598          | 28,885          | 30,437          | 31,857          | 34,911          | 36,092          | 38,811          |
| 14     | Solapur                | 39,459          | 40,112          | 42,598          | 48,047          | 49,946          | 52,470          | 57,240          | 60,140          |
| 15     | Kolhapur               | 40,732          | 43,151          | 45,279          | 48,306          | 51,574          | 55,611          | 59,056          | 62,639          |
|        | <b>PUNE DIV.</b>       | <b>2,63,086</b> | <b>2,75,676</b> | <b>2,93,605</b> | <b>3,16,918</b> | <b>3,37,402</b> | <b>3,61,581</b> | <b>3,86,186</b> | <b>4,10,955</b> |
| 16     | Aurangabad             | 31,519          | 32,227          | 35,808          | 37,227          | 40,528          | 43,955          | 46,288          | 48,873          |
| 17     | Jalna                  | 13,178          | 12,757          | 16,649          | 13,477          | 14,269          | 16,743          | 16,742          | 17,100          |
| 18     | Parbhani               | 12,150          | 13,070          | 13,748          | 13,864          | 13,356          | 16,613          | 16,529          | 17,268          |
| 19     | Hingoli                | 5,994           | 6,775           | 6,744           | 7,496           | 6,780           | 7,763           | 8,191           | 8,744           |
| 20     | Beed                   | 15,710          | 15,725          | 17,385          | 17,009          | 17,702          | 20,803          | 21,637          | 21,225          |
| 21     | Nanded                 | 20,998          | 22,329          | 23,746          | 23,276          | 25,168          | 28,715          | 29,862          | 32,362          |
| 22     | Osmanabad              | 11,733          | 10,946          | 12,806          | 11,308          | 11,519          | 12,932          | 13,884          | 14,755          |
| 23     | Latur                  | 16,885          | 18,286          | 20,009          | 18,482          | 19,240          | 22,788          | 24,070          | 25,205          |
|        | <b>AURANGABAD DIV.</b> | <b>1,28,167</b> | <b>1,32,114</b> | <b>1,46,893</b> | <b>1,42,141</b> | <b>1,48,562</b> | <b>1,70,312</b> | <b>1,77,204</b> | <b>1,85,533</b> |
| 24     | Buldhana               | 12,924          | 13,510          | 15,096          | 13,986          | 15,099          | 17,654          | 17,531          | 18,985          |
| 25     | Akola                  | 13,030          | 14,225          | 15,001          | 15,174          | 16,309          | 18,467          | 19,003          | 20,765          |
| 26     | Washim                 | 6,262           | 6,630           | 7,191           | 6,055           | 6,818           | 8,323           | 8,314           | 9,317           |
| 27     | Amravati               | 18,893          | 20,939          | 22,071          | 23,706          | 25,604          | 29,059          | 29,177          | 31,417          |
| 28     | Yavatmal               | 15,682          | 17,359          | 16,914          | 17,619          | 20,169          | 22,681          | 22,308          | 24,390          |
|        | <b>AMRAVATI DIV.</b>   | <b>66,791</b>   | <b>72,663</b>   | <b>76,273</b>   | <b>76,541</b>   | <b>84,000</b>   | <b>96,184</b>   | <b>96,333</b>   | <b>1,04,875</b> |
| 29     | Wardha                 | 10,060          | 10,832          | 11,008          | 11,803          | 13,132          | 14,673          | 15,296          | 16,213          |
| 30     | Nagpur                 | 56,028          | 60,006          | 63,281          | 68,587          | 74,813          | 81,086          | 85,357          | 90,934          |
| 31     | Bhandara               | 8,061           | 8,565           | 8,958           | 9,482           | 9,990           | 10,972          | 11,181          | 12,088          |
| 32     | Gondia                 | 8,539           | 9,278           | 9,509           | 10,164          | 10,839          | 11,862          | 12,143          | 12,924          |
| 33     | Chandrapur             | 16,940          | 18,450          | 18,945          | 20,162          | 22,046          | 24,180          | 25,231          | 26,842          |
| 34     | Gadchiroli             | 5,821           | 6,216           | 6,057           | 6,310           | 6,733           | 7,035           | 7,838           | 7,867           |
|        | <b>NAGPUR DIV.</b>     | <b>1,05,449</b> | <b>1,13,347</b> | <b>1,17,757</b> | <b>1,26,510</b> | <b>1,37,555</b> | <b>1,49,807</b> | <b>1,57,045</b> | <b>1,66,868</b> |

Source : Directorate of Economics and Statistics, GoM

# Includes Mumbai city + Mumbai Suburban

\$ Includes Palghar

Note – 1) Figures may not add up due to rounding.

2) Figures for 2011-12 to 2018-19 are provisional.

3) The Estimates of Gross District Value Added are not comparable due to revision in methodology and nomenclature of revised base year 2011-12 with the estimates calculated with respective base year 2004-05 series

## ANNEXURE 3.11

## PER CAPITA NOMINAL GROSS DISTRICT VALUE ADDED (AT CURRENT PRICES)

(₹)

| Sr. No. | District               | 2011-12         | 2012-13         | 2013-14         | 2014-15         | 2015-16         | 2016-17         | 2017-18         | 2018-19         |
|---------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| (1)     | (2)                    | (3)             | (4)             | (5)             | (6)             | (7)             | (8)             | (9)             | (10)            |
| 1       | Mumbai <sup>#</sup>    | 1,75,797        | 1,96,629        | 2,17,965        | 2,37,020        | 2,54,318        | 2,72,120        | 2,97,708        | 3,25,954        |
| 2       | Thane <sup>\$</sup>    | 1,46,786        | 1,64,459        | 1,82,509        | 1,98,775        | 2,13,507        | 2,29,864        | 2,51,663        | 2,75,538        |
| 3       | Raigad                 | 1,11,604        | 1,25,793        | 1,40,488        | 1,56,996        | 1,70,469        | 1,80,329        | 1,98,250        | 2,16,331        |
| 4       | Ratnagiri              | 85,307          | 96,165          | 1,10,249        | 1,33,893        | 1,30,241        | 1,50,782        | 1,65,837        | 1,67,463        |
| 5       | Sindhudurg             | 94,124          | 1,06,455        | 1,19,107        | 1,28,077        | 1,36,427        | 1,57,275        | 1,90,132        | 1,84,228        |
|         | <b>KOKAN DIV.</b>      | <b>1,51,178</b> | <b>1,69,456</b> | <b>1,88,352</b> | <b>2,06,155</b> | <b>2,20,809</b> | <b>2,37,682</b> | <b>2,60,865</b> | <b>2,84,243</b> |
| 6       | Nashik                 | 89,955          | 1,06,994        | 1,22,961        | 1,23,553        | 1,29,638        | 1,38,416        | 1,58,436        | 1,66,971        |
| 7       | Dhule                  | 70,632          | 78,843          | 90,025          | 99,426          | 1,04,123        | 1,12,186        | 1,25,676        | 1,29,042        |
| 8       | Nandurbar              | 48,369          | 53,894          | 61,668          | 59,083          | 64,660          | 73,310          | 78,265          | 85,509          |
| 9       | Jalgaon                | 69,716          | 74,295          | 86,217          | 92,604          | 96,316          | 1,08,261        | 1,15,798        | 1,23,394        |
| 10      | Ahmednagar             | 81,523          | 87,350          | 1,01,275        | 1,11,048        | 1,19,109        | 1,27,535        | 1,44,383        | 1,54,564        |
|         | <b>NASHIK DIV.</b>     | <b>77,468</b>   | <b>86,949</b>   | <b>1,00,259</b> | <b>1,05,112</b> | <b>1,10,952</b> | <b>1,20,288</b> | <b>1,34,665</b> | <b>1,42,718</b> |
| 11      | Pune                   | 1,38,026        | 1,54,614        | 1,72,067        | 1,86,933        | 2,00,756        | 2,16,240        | 2,36,060        | 2,57,483        |
| 12      | Satara                 | 85,095          | 93,431          | 1,05,661        | 1,12,737        | 1,23,981        | 1,32,122        | 1,48,129        | 1,60,131        |
| 13      | Sangli                 | 91,878          | 98,667          | 1,12,410        | 1,22,334        | 1,28,767        | 1,43,683        | 1,52,688        | 1,69,475        |
| 14      | Solapur                | 90,866          | 97,225          | 1,07,231        | 1,20,634        | 1,28,208        | 1,37,652        | 1,53,275        | 1,62,582        |
| 15      | Kolhapur               | 1,04,494        | 1,17,672        | 1,29,194        | 1,39,532        | 1,50,378        | 1,63,211        | 1,78,839        | 1,93,073        |
|         | <b>PUNE DIV.</b>       | <b>1,11,489</b> | <b>1,23,447</b> | <b>1,37,494</b> | <b>1,49,820</b> | <b>1,60,857</b> | <b>1,73,866</b> | <b>1,90,529</b> | <b>2,06,895</b> |
| 16      | Aurangabad             | 84,609          | 91,534          | 1,06,084        | 1,11,211        | 1,21,817        | 1,32,949        | 1,43,486        | 1,55,349        |
| 17      | Jalna                  | 66,940          | 68,677          | 91,592          | 78,747          | 81,352          | 1,00,728        | 1,00,040        | 1,05,640        |
| 18      | Parbhani               | 65,800          | 74,894          | 82,765          | 83,876          | 81,185          | 1,02,556        | 1,03,584        | 1,11,237        |
| 19      | Hingoli                | 50,677          | 59,482          | 62,773          | 71,814          | 66,140          | 78,547          | 81,413          | 89,714          |
| 20      | Beed                   | 60,476          | 63,509          | 74,212          | 73,189          | 77,368          | 94,374          | 98,334          | 99,215          |
| 21      | Nanded                 | 62,135          | 70,575          | 78,674          | 77,168          | 84,286          | 99,021          | 1,03,938        | 1,16,180        |
| 22      | Osmanabad              | 70,453          | 68,850          | 85,390          | 75,914          | 77,902          | 91,186          | 98,640          | 1,07,058        |
| 23      | Latur                  | 68,440          | 79,772          | 91,011          | 84,094          | 88,097          | 1,09,837        | 1,14,528        | 1,23,269        |
|         | <b>AURANGABAD DIV.</b> | <b>68,055</b>   | <b>74,337</b>   | <b>86,464</b>   | <b>84,677</b>   | <b>89,008</b>   | <b>1,05,132</b> | <b>1,10,158</b> | <b>1,18,604</b> |
| 24      | Buldhana               | 49,723          | 56,145          | 67,311          | 62,380          | 67,346          | 83,230          | 81,203          | 89,755          |
| 25      | Akola                  | 71,392          | 82,228          | 90,947          | 92,441          | 1,01,088        | 1,20,125        | 1,22,086        | 1,35,757        |
| 26      | Washim                 | 52,060          | 58,279          | 65,189          | 57,054          | 65,653          | 77,754          | 76,399          | 87,391          |
| 27      | Amravati               | 65,020          | 76,131          | 84,562          | 90,211          | 98,468          | 1,14,874        | 1,15,138        | 1,27,865        |
| 28      | Yavatmal               | 56,285          | 66,652          | 68,272          | 70,706          | 81,528          | 95,813          | 95,906          | 1,06,743        |
|         | <b>AMRAVATI DIV.</b>   | <b>59,008</b>   | <b>68,303</b>   | <b>75,581</b>   | <b>75,893</b>   | <b>84,138</b>   | <b>99,889</b>   | <b>99,707</b>   | <b>1,11,002</b> |
| 29      | Wardha                 | 76,896          | 87,836          | 93,571          | 1,00,390        | 1,15,213        | 1,30,351        | 1,36,452        | 1,49,389        |
| 30      | Nagpur                 | 1,19,426        | 1,34,198        | 1,48,767        | 1,61,598        | 1,76,405        | 1,91,314        | 2,06,381        | 2,25,390        |
| 31      | Bhandara               | 66,830          | 75,556          | 84,405          | 90,557          | 95,516          | 1,06,587        | 1,09,732        | 1,23,667        |
| 32      | Gondia                 | 64,261          | 74,694          | 81,257          | 88,186          | 93,323          | 1,04,357        | 1,05,681        | 1,18,603        |
| 33      | Chandrapur             | 76,399          | 88,238          | 94,904          | 1,01,597        | 1,12,143        | 1,24,797        | 1,30,867        | 1,45,041        |
| 34      | Gadchiroli             | 54,023          | 61,291          | 63,564          | 66,668          | 70,701          | 76,249          | 83,325          | 89,954          |
|         | <b>NAGPUR DIV.</b>     | <b>89,141</b>   | <b>1,01,222</b> | <b>1,10,820</b> | <b>1,19,711</b> | <b>1,30,775</b> | <b>1,43,733</b> | <b>1,52,812</b> | <b>1,68,089</b> |

Source : Directorate of Economics and Statistics, GoM

# Includes Mumbai city + Mumbai Suburban

\$ Includes Palghar

Note – 1) Figures for 2011-12 to 2018-19 are provisional.

2) The Estimates of Gross District Value Added are not comparable due to revision in methodology and nomenclature of revised base year 2011-12 with the estimates calculated with respective base year 2004-05 series





## 4 Prices and Public Distribution System







## 4. PRICES AND PUBLIC DISTRIBUTION SYSTEM

4.1 Volatility in the prices of essential commodities and services not only affects the standard of living but also economic growth. Over a long run, price stability ensures the efficient implementation of economic policies of the government. Consumer Price Index (CPI) and Wholesale Price Index (WPI) helps to monitor price behaviour. Public distribution system enables the government to provide essential commodities at affordable rate to the economically weaker sections.

### Price Index

4.2 The price index shows the average price movement over a time for a selected goods and services. CPI measures the changes in the level of retail prices of selected goods and services over a time, while WPI measures the movement in prices at the wholesale level.

### Consumer Price Index of the State

4.3 Directorate of Economics & Statistics, GoM compiles monthly CPI (Base year 2003) for rural and urban areas of the State. There are 68 rural and 74 urban centres in the State for collection of retail prices of 106 and 127 items respectively.

4.4 The CPI increased from 286.9 in April, 2019 to 305.5 in December, 2019 in rural areas and from 273.6 in April, 2019 to 288.8 in December, 2019 for urban areas. The average CPI for rural and urban areas was 298.1 and 282.2 respectively for period April to December, 2019 as against 273.0 and 265.7 for the same period of the previous year. The year-on-year (y-o-y) rate of inflation for the period April to December, 2019 based on average CPI for rural areas was 9.2 per cent and for urban areas was 6.2 per cent.

4.4.1 For food group, the CPI increased from 289.9 in April, 2019 to 319.7 in December, 2019 in rural areas and increased from 290.6 in April, 2019 to 318.7 in December, 2019 for urban areas. The average CPI of food group during the period April to December, 2019 for rural and urban areas was 307.7 and 307.7 respectively, as against 269.1 and 276.4 for same period of the previous year. The y-o-y rate of inflation for food group was 14.4 per cent for rural areas and 11.3 per cent for urban areas for the same period. Sub-groupwise inflation rate based on average CPI for food group is given in Table 4.1.

**Table 4.1 Sub-groupwise inflation rate based on average CPI for food group**

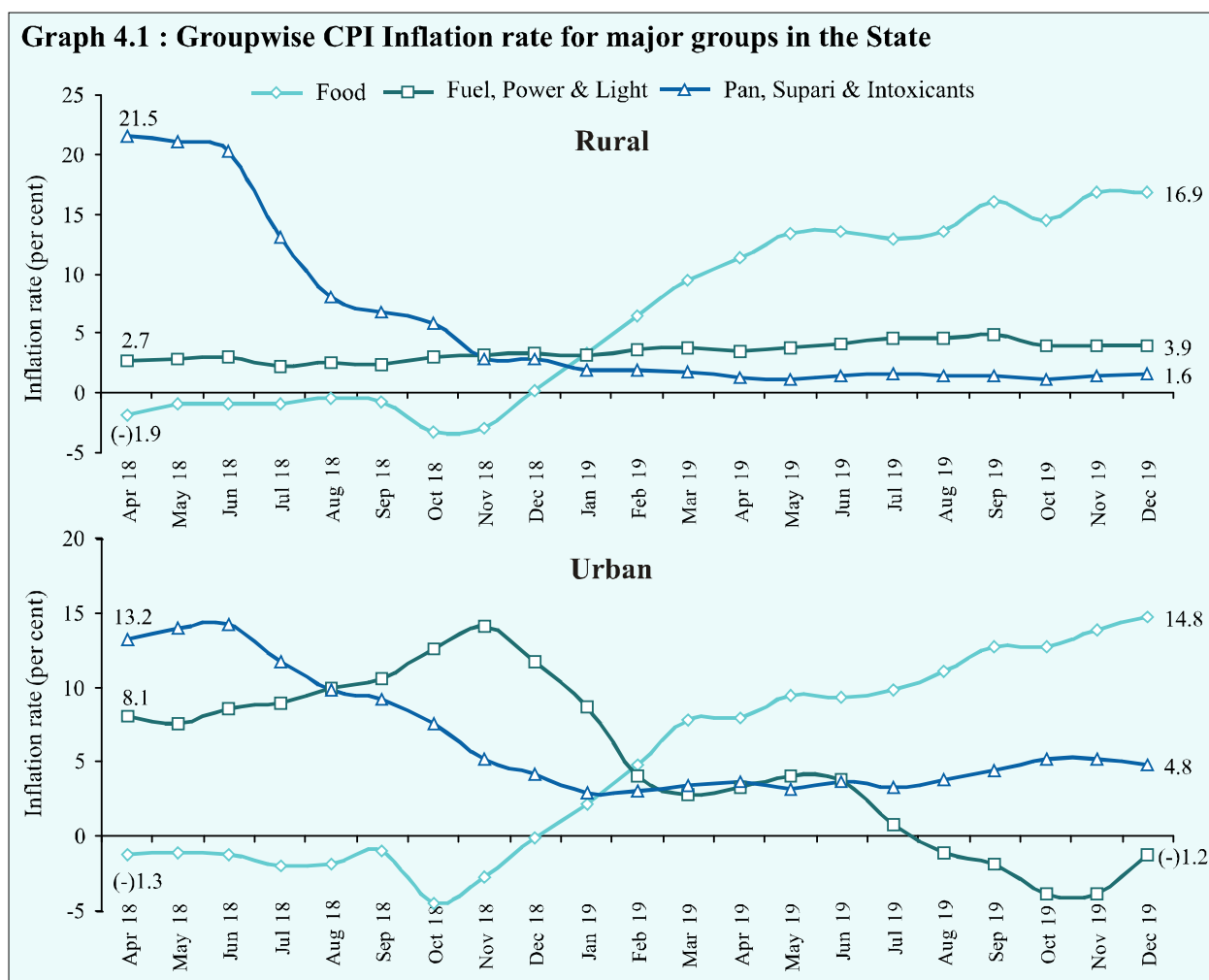
(per cent)

| Subgroups of Food Group | Rural                      |                            | Urban                      |                            |
|-------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                         | April to<br>December, 2018 | April to<br>December, 2019 | April to<br>December, 2018 | April to<br>December, 2019 |
| Cereals & products      | 2.9                        | 21.9                       | 5.3                        | 15.2                       |
| Pulses & products       | (-) 13.1                   | 14.9                       | (-) 10.6                   | 17.1                       |
| Milk & milk products    | 2.5                        | 5.7                        | 1.5                        | 3.1                        |
| Edible oil              | (-) 2.3                    | 1.8                        | (-) 2.5                    | 2.9                        |
| Eggs, meat & fish       | 2.8                        | 7.1                        | 2.5                        | 7.9                        |
| Vegetables & fruits     | (-) 3.0                    | 26.9                       | (-) 9.3                    | 27.5                       |
| Condiments & spices     | (-) 1.7                    | 12.3                       | (-) 5.7                    | 18.2                       |
| Other food              | (-) 5.7                    | 2.1                        | (-) 1.3                    | 1.9                        |
| <b>Food group</b>       | <b>(-) 1.3</b>             | <b>14.4</b>                | <b>(-) 1.8</b>             | <b>11.3</b>                |

Source: Directorate of Economics & Statistics, GoM

4.4.2 The average CPI of fuel, power and light group for rural and urban areas during the period April to December, 2019 was 532.3 and 503.4 respectively as against 511.0 and 503.8 for the same period of the previous year. The y-o-y rate of inflation for fuel, power and light group was

4.2 per cent for rural areas and (-) 0.1 per cent for urban areas for the same period. Groupwise CPI for rural and urban areas of Maharashtra are given in Annexure 4.1 and Annexure 4.2 respectively.



### Consumer Price Indices compiled by other agencies

4.5 National Statistical Office (NSO), GoI compiles and publishes monthly CPI (Base year 2012) for rural, urban and combined at All-India level, States and UTs. The prices are collected from 1,181 rural and 1,114 urban centres for 281 items and 287 items respectively. Of which, 66 rural and 86 urban centres are from the State. During the period April to December, 2019 at All-India level, the average CPI compiled by NSO was 146.2 for rural, 144.2 for urban and for combined was 145.3. During the same period, the y-o-y inflation based on average CPI for rural, urban and combined was 3.4 per cent, 5.0 per cent and 4.1 per cent respectively.

4.5.1 The average CPI during the period April to December, 2019 compiled by NSO for the State was 146.4, 139.8 and 142.0 for rural, urban and combined respectively. The y-o-y inflation was 2.4 per cent for rural, 4.9 per cent for urban and 4.0 per cent for combined for the same period. Groupwise CPI of Maharashtra compiled by NSO for rural, urban and combined are given in Annexure 4.3.

4.6 Labour Bureau, GoI publishes monthly CPI for Agricultural Labourers (CPI-AL) (Base year 1986-87) and CPI for Rural Labourers (CPI-RL) (Base year 1986-87). For this, prices are collected from 600 centres, of which 54 centres are from the State. At All-India level, the average CPI-AL and average CPI-RL for April to December, 2019 were 969.1 and 975.8 respectively, showing y-o-y inflation of 7.3 per cent and 7.1 per cent respectively.

4.6.1 For April to December, 2019 the average CPI-AL and average CPI-RL compiled by Labour Bureau, GoI for the State were 1079.3 and 1071.1 showing y-o-y inflation of 12.6 per cent

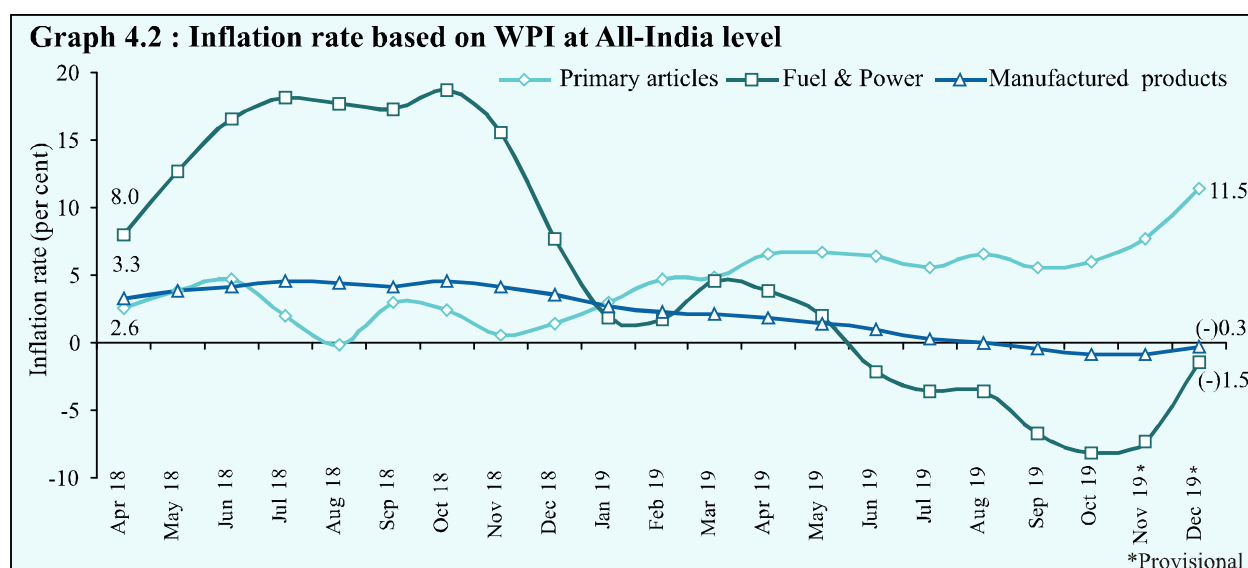
and 12.2 per cent respectively. CPI-AL and CPI-RL in Maharashtra and All-India are given in Annexure 4.4.

4.7 Labour Bureau, GoI compiles and publishes monthly CPI for Industrial Workers (CPI-IW) (Base year 2001). The average CPI-IW for All-India during April to December, 2019 was 320.7 showing y-o-y inflation of 7.8 per cent. CPI-IW is used for determination of Dearness Allowance (DA) and for fixation & revision of minimum wages in the scheduled employment. CPI-IW is based on retail prices of essential commodities and services in industrially developed 78 selected centres in India, of which five centres are from the State. The average CPI during the period April to December, 2019 for five centres viz. Mumbai, Solapur, Nagpur, Pune and Nashik are 315, 339, 399, 350 and 367 respectively. All-India CPI-IW and CPI-IW for selected central centres in Maharashtra are given in Annexure 4.5 & Annexure 4.6 respectively.

4.7.1 The Office of the Commissioner of Labour, GoM compiles and publishes monthly CPI (Base year 2001) for Industrial Workers (CPI-IW) separately for five centres viz. Akola, Kolhapur, Jalgaon, Nanded and Aurangabad in the State. CPI-IW for selected State's centres in Maharashtra are given in Annexure 4.7. The inflation rates based on various important price indices at All-India level are given in Annexure 4.8.

## Wholesale Price Index at All-India

4.8 The Office of the Economic Adviser, Ministry of Commerce and Industry, GoI compiles and publishes monthly WPI (Base year 2011-12). The various commodities taken into consideration for computing the WPI are categorised into 'primary articles', 'fuel & power' and 'manufactured products'.



4.9 WPI for all commodities increased from 121.1 in April, 2019 to 122.8 (provisional) in December, 2019. During the same period, for primary articles group, it increased from 139.3 to 148.8 (provisional), decreased from 102.8 to 101.3 (provisional) for fuel & power group and decreased from 118.5 to 118.0 (provisional) for manufactured products group. All-India WPI are given in Annexure 4.9.

4.10 The y-o-y inflation based on WPI decreased from 3.2 per cent in April, 2019 to 2.6 per cent (provisional) in December, 2019. For primary articles group, it increased from 6.6 per cent in April, 2019 to 11.5 per cent (provisional) in December, 2019. For fuel & power group, the y-o-y WPI inflation rate decreased from 3.8 per cent in April, 2019 to (-) 1.5 per cent (provisional) in December, 2019. For manufactured products group, the inflation decreased from 1.9 per cent in April, 2019 to (-) 0.3 per cent (provisional) in December, 2019. For food articles sub-group under primary articles group, it increased from 6.4 per cent in April, 2019 to 13.2 per cent (provisional) in December, 2019.

## PUBLIC DISTRIBUTION SYSTEM

4.11 'End hunger, achieve food security & improve nutrition and promote sustainable agriculture' is one of the Sustainable Development Goals (SDGs). Millions face hunger and malnourishment because they simply cannot afford to buy enough food and nutritious diet. The Public Distribution System (PDS) plays a crucial role in eradication of hunger by ensuring food security and essential commodities to underprivileged group of the society at fair prices through regular distribution. Under PDS, the essential commodities viz. rice, wheat, sugar and kerosene are distributed through the Fair Price Shops (FPS) to underprivileged at a subsidised rate.

4.12 As on 31<sup>st</sup> December, 2019, there were 52,423 functional FPS in the State, of which 5,427 are in tribal areas and 28 are mobile. As per the National Food Security Act (NFSA), 2013 preference is given to co-operative, Self Help Group (SHG) and local bodies while giving licenses to FPS for effective functioning of PDS. FPS by type of ownership are given in Table 4.2 and number of FPS in selected states are given in Table 4.3.

**Table 4.2 FPS by type of ownership**

(As on 31<sup>st</sup> December, 2019)

| Type of ownership       | FPS<br>(no.)  |
|-------------------------|---------------|
| Individual (General)    | 30,441        |
| Scheduled Castes        | 3,331         |
| Scheduled Tribes        | 3,451         |
| Ex-service man          | 246           |
| Women's Self help group | 5,222         |
| Men's Self help group   | 129           |
| Gram panchayat          | 195           |
| Urban local body        | 157           |
| Co-operative            | 7,996         |
| Other                   | 1,255         |
| <b>Total</b>            | <b>52,423</b> |

Source : Food, Civil Supplies and Consumer  
Protection Department, GoM

**Table 4.3 Number of FPS in selected states**

(As on 24<sup>th</sup> January, 2020)

| State              | FPS<br>(no.)              |
|--------------------|---------------------------|
| Andhra Pradesh     | 29,783                    |
| Gujarat            | 15,778                    |
| Karnataka          | 19,920                    |
| Kerala             | 14,215                    |
| Madhya Pradesh     | 24,713                    |
| <b>Maharashtra</b> | <b>52,423<sup>#</sup></b> |
| Rajasthan          | 26,809                    |
| Telangana          | 17,019                    |
| Uttar Pradesh      | 76,519                    |
| <b>All-India</b>   | <b>5,39,076</b>           |

<sup>#</sup> as on 31<sup>st</sup> December, 2019

Source : 1. Department of Food & Public Distribution, GoI  
2. Food, Civil Supplies and Consumer Protection  
Department, GoM

4.13 Inspections of FPS are conducted regularly throughout the year for regular supply with ensured quality of foodgrains and minimising the malpractices. During 2019, in all 35,468 inspections of FPS were carried out. Licenses of 64 FPS were terminated, 166 were suspended and fine of ₹ 24.26 lakh was collected during these inspections. In addition, vigilance committees have been set up at various levels in the State to monitor the distribution of essential commodities through PDS.

4.14 As on 31<sup>st</sup> December, 2019 the total number of existing ration card holders in the State were 2.54 crore. *Annapurna scheme*, a centrally sponsored scheme is being implemented in the State since 1<sup>st</sup> April, 2001. Under the scheme, 10 kg of foodgrains per month are provided free of cost to destitute people of age 65 years & above who do not get benefit under the National Old Age Pension scheme or State Pension scheme. Number of beneficiaries under *Annapurna* scheme upto December, 2019 were 13,222. Number of ration card holders by type is given in Table 4.4 and district wise number of ration card holders are given in Annexure 4.10.

**Table 4.4 Ration Card holders by type**(As on 31<sup>st</sup> December) (Lakh)

| Year | Ration card holders |         |       |                    |
|------|---------------------|---------|-------|--------------------|
|      | Yellow              | Saffron | White | Total <sup>@</sup> |
| 2017 | 70.30               | 163.44  | 22.13 | 256.35             |
| 2018 | 64.32               | 160.90  | 22.07 | 247.52             |
| 2019 | 60.87               | 170.52  | 22.17 | 253.70             |

Source : Food, Civil Supplies and Consumer Protection Department, GoM

@ Including *Annapurna* scheme beneficiaries**Beneficiaries under National Food Security Act (NFSA), 2013**

4.15 The National Food Security Act (NFSA), 2013 is being implemented in the State, since 1<sup>st</sup> February, 2014. It is aimed to provide food and nutritional security to the citizens for assured availability of adequate quantity of quality foodgrains at affordable prices to meet their food requirements. Due to this, needy population in the State is entitled to get foodgrains at subsidised rates. Under this Act, about 4.7 crore (76.3 per cent) population in the rural areas and about 2.3 crore (45.3 per cent) population in the urban areas is eligible to receive rice, wheat and coarse grains at ₹ three, ₹ two and ₹ one per kg respectively. Under this act, beneficiaries are categorised as *Antyodaya Anna Yojana* (AAY) and Priority Household (PHH). In rural areas households having annual family income upto ₹ 44,000 and in urban areas households having annual family income upto ₹ 59,000, both from APL (saffron card holders) are termed as PHH. As per this Act, AAY households are eligible for 35 kg of foodgrains per ration card per month and PHH beneficiaries are eligible for five kg of foodgrains per person per month. The details of allotment, off-take and distribution of foodgrains to FPS under NFSA are given in Table 4.5. Under AAY, districtwise allotment, off-take and distribution of foodgrains to FPS during 2018-19 is given in Annexure 4.14 and that during 2019-20 is given in Annexure 4.15. Number of persons covered and ration cards under NFSA in selected states are given in Table 4.6.

**Table 4.5 Allotment, off-take and distribution of foodgrains to FPS under NFSA**

(Lakh MT)

| Beneficiary   | Year                 | Rice             |                 |                     | Wheat            |                 |                     |
|---------------|----------------------|------------------|-----------------|---------------------|------------------|-----------------|---------------------|
|               |                      | Allotment by GoI | Off-take by GoM | Distribution to FPS | Allotment by GoI | Off-take by GoM | Distribution to FPS |
| AAY Household | 2017-18              | 4.86             | 4.64            | 4.69                | 5.66             | 5.33            | 5.31                |
|               | 2018-19              | 5.52             | 5.10            | 4.99                | 5.00             | 4.43            | 4.34                |
|               | 2019-20 <sup>+</sup> | 4.01             | 3.45            | 3.35                | 3.88             | 3.30            | 3.23                |
| PHH           | 2017-18              | 15.35            | 14.21           | 14.26               | 20.18            | 18.54           | 18.50               |
|               | 2018-19              | 14.68            | 12.66           | 12.41               | 20.84            | 17.57           | 17.37               |
|               | 2019-20 <sup>+</sup> | 11.15            | 8.95            | 8.72                | 15.50            | 12.41           | 12.18               |

Source: Food, Civil Supplies and Consumer Protection Department, GoM

+ upto December

**Table 4.6 Number of persons covered and ration cards under NFSA in selected states**

(Lakh)

| State              | Number of persons covered |                 |                 | Ration cards (As on 24 <sup>th</sup> January, 2020) |                 |                 |
|--------------------|---------------------------|-----------------|-----------------|-----------------------------------------------------|-----------------|-----------------|
|                    | Rural                     | Urban           | Total           | AAY                                                 | PHH             | Total           |
| Andhra Pradesh     | 200.20                    | 68.03           | 268.23          | 9.18                                                | 81.10           | 90.28           |
| Gujarat            | 258.78                    | 124.06          | 382.84          | 8.07                                                | 57.71           | 65.78           |
| Karnataka          | 285.55                    | 116.38          | 401.93          | 10.95                                               | 115.92          | 126.87          |
| Kerala             | 91.87                     | 62.93           | 154.80          | 5.94                                                | 31.43           | 37.37           |
| Madhya Pradesh     | 420.83                    | 125.59          | 546.42          | 13.83                                               | 103.65          | 117.48          |
| <b>Maharashtra</b> | <b>469.72</b>             | <b>230.45</b>   | <b>700.17</b>   | <b>24.43</b>                                        | <b>126.40</b>   | <b>150.83</b>   |
| Rajasthan          | 356.09                    | 90.53           | 446.62          | 6.63                                                | 104.42          | 111.05          |
| Telangana          | 143.08                    | 48.62           | 191.70          | 5.64                                                | 47.61           | 53.25           |
| Uttar Pradesh      | 1,234.10                  | 286.52          | 1,520.62        | 40.82                                               | 312.19          | 353.01          |
| <b>All-India</b>   | <b>6,249.33</b>           | <b>1,885.61</b> | <b>8,134.94</b> | <b>235.55</b>                                       | <b>2,108.55</b> | <b>2,344.11</b> |

Source : Food Security Portal, GoI

Note : Totals may not add up due to rounding

Economic Survey of Maharashtra 2019-20

## Non-NFSA beneficiaries

4.16 APL farmers (about 50.63 lakh saffron card holders) from all districts of Aurangabad & Amravati regions and Wardha district from Nagpur region not covered under NFSA are being supplied foodgrains since August, 2015 at the same rate and quantity applicable to PHH beneficiaries, for which the cost is borne by the State government. Allotment, off-take and distribution of foodgrains to FPS for saffron card holder APL farmers are given in Table 4.7.

**Table 4.7 Allotment, off-take and distribution of foodgrains to FPS for saffron card holder APL farmers**

(Lakh MT)

| Year                 | Rice             |                 |                     | Wheat            |                 |                     |
|----------------------|------------------|-----------------|---------------------|------------------|-----------------|---------------------|
|                      | Allotment by GoI | Off-take by GoM | Distribution to FPS | Allotment by GoI | Off-take by GoM | Distribution to FPS |
| 2017-18              | 1.30             | 1.14            | 1.17                | 2.13             | 1.88            | 1.79                |
| 2018-19              | 1.18             | 0.98            | 0.96                | 2.05             | 1.78            | 1.72                |
| 2019-20 <sup>+</sup> | 0.85             | 0.61            | 0.58                | 1.47             | 1.08            | 0.99                |

Source: Food, Civil Supplies and Consumer Protection Department, GoM

+ upto December

## Distribution of coarse grains

4.17 Apart from rice and wheat, coarse grains are also distributed to the PHH and AAY beneficiaries in the State. Allotment, off-take and distribution of coarse grains to FPS for PHH and AAY beneficiaries are given in Table 4.8.

**Table 4.8 Allotment, off-take and distribution of coarse grains to FPS**

(Thousand MT)

| Year                 | Jowar            |                 |                     | Maize            |                 |                     |
|----------------------|------------------|-----------------|---------------------|------------------|-----------------|---------------------|
|                      | Allotment by GoI | Off-take by GoM | Distribution to FPS | Allotment by GoI | Off-take by GoM | Distribution to FPS |
| 2017-18              | 3.73             | 3.73            | 3.72                | 12.18            | 12.18           | 11.98               |
| 2018-19              | 13.71            | 13.71           | 12.76               | 54.68            | 54.68           | 54.05               |
| 2019-20 <sup>+</sup> | 1.38             | 0.00            | 0.00                | 0.019            | 0.00            | 0.00                |

Source: Food, Civil Supplies and Consumer Protection Department, GoM

+ upto December

## Distribution of foodgrains to establishments holding ration card

4.18 In addition to allocation to FPS for various households in the State, GoI sanctions allocation of foodgrains for establishments (welfare institutes such as *ashram shala*, hostels, etc.) holding ration card. GoI has taken a policy decision to distribute the allocation of 15 kg quantity of foodgrains per inmate per month to government owned / run hostels and institutions only. As on 31<sup>st</sup> December, 2019, the number of establishments holding ration cards are 221 with 0.64 lakh inmates. Allotment, off-take and distribution of foodgrains to establishments holding ration card are given in Table 4.9.

**Table 4.9 Allotment, off-take and distribution of foodgrains to establishments holding ration card**

(Thousand MT)

| Year                 | Rice             |                 |              | Wheat            |                 |              |
|----------------------|------------------|-----------------|--------------|------------------|-----------------|--------------|
|                      | Allotment by GoI | Off-take by GoM | Distribution | Allotment by GoI | Off-take by GoM | Distribution |
| 2017-18 <sup>#</sup> | Nil              | Nil             | Nil          | Nil              | Nil             | Nil          |
| 2018-19              | 16.42            | 13.51           | 7.91         | 24.64            | 19.97           | 9.56         |
| 2019-20 <sup>+</sup> | 2.75             | 1.59            | 2.44         | 3.00             | 1.80            | 2.90         |

# No allotment of foodgrains under social welfare and hostel scheme from GoI

+ upto December

Source: Food, Civil Supplies and Consumer Protection Department, GoM

Economic Survey of Maharashtra 2019-20



## Decentralised procurement

4.19 The Decentralised Procurement Scheme (DCPS) for Paddy/Coarse grains is being implemented since *Kharif* season 2016-17. Maharashtra State Marketing Federation Ltd. and Maharashtra State Tribal Development Corporation Ltd. procure paddy/coarse grains. Paddy producing farmers' registration and procurement process is done online by the National e Markets Limited (NeML). During 2019-20, in all 17.10 lakh quintal foodgrains of ₹ 457.91 was procured upto December.

## Sugar

4.20 Under PDS, sugar was being distributed to BPL and AAY card holders upto June, 2017. As per the guidelines of GoI, since July, 2017 sugar is being distributed only to the AAY card holders and GoI has fixed monthly allocation of 2,505 MT to the State. Sugar supplied to such card holder is one kg per family per month at ₹ 20 per kg. Allotment, off-take and distribution of sugar to FPS is given in Table 4.10.

**Table 4.10 Allotment, off-take and distribution of sugar to FPS**

| (Lakh MT)            |                  |                 |                     |
|----------------------|------------------|-----------------|---------------------|
| Year                 | Allotment by GoI | Off-take by GoM | Distribution to FPS |
| 2017-18              | 0.59             | 0.59            | 0.59                |
| 2018-19              | 0.38             | 0.38            | 0.37                |
| 2019-20 <sup>+</sup> | 0.19             | 0.18            | 0.18                |

+ upto December

Source : Food, Civil Supplies and Consumer Protection Department, GoM

## Kerosene

4.21 Under PDS, kerosene is provided to the card holders excluding all those having LPG gas connection. As per the Maharashtra Scheduled Commodities Retail Dealers Licensing Order, 1979 a license is required for stock and trade of kerosene. There are 61,741 kerosene license holders in the State, of which 59,535 are retailers. Allotment, off-take and distribution of kerosene are given in Table 4.11.

**Table 4.11 Allotment, off-take and distribution of kerosene**

| (Lakh kilolitres)    |           |          |                     |
|----------------------|-----------|----------|---------------------|
| Year                 | Allotment | Off-take | Distribution to FPS |
| 2017-18              | 2.89      | 2.85     | 2.85                |
| 2018-19              | 2.59      | 2.42     | 2.42                |
| 2019-20 <sup>+</sup> | 0.63      | 0.54     | 0.54                |

+ upto December

Source: Food, Civil Supplies and Consumer Protection Department

## Godowns

4.22 The foodgrains to be distributed through PDS are lifted from godowns of Food Corporation of India and are stored in the godowns of the State. By the end of December, 2019, the State government has 1,139 godowns of various capacities of its own with total capacity of 7.51 lakh MT. Of these, 260 godowns having capacity of 1.16 lakh MT are not fit to store foodgrains, 56 godowns of capacity of 0.46 lakh MT are given on rent and 60 godowns of capacity of 0.56 lakh MT are taken on rent.

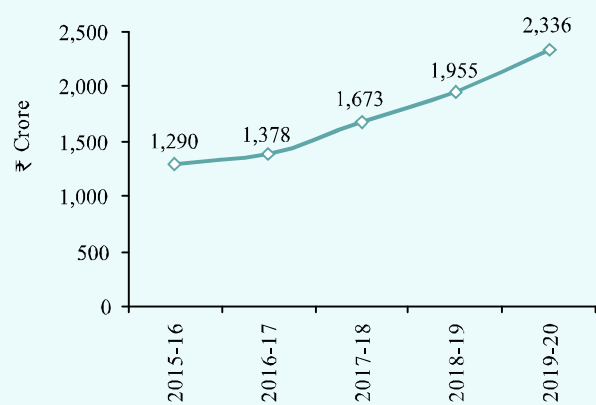
4.22.1 To store foodgrains safely and to avoid wastage of foodgrains, the State government has undertaken a programme to construct new godowns with the financial assistance from NABARD. Upto December, 2019 administrative approval is given for construction of 253 godowns of total capacity 3.67 lakh MT, of which, 190 godowns are completed and construction of 38 godowns is in progress. The districtwise godowns and its capacity is given in Annexure 4.13.

## Foodgrain subsidy

4.23 The foodgrain subsidy is the financial assistance provided by GoI under PDS for foodgrain distribution, meeting the expenditure on maintenance of reserve stock for adverse situation and the loss that the State has to bear due to difference in the cost of foodgrain procurement and sale price.

4.23.1 The foodgrain subsidy received for the year 2018-19 was ₹ 1,955 crore. The Government has sanctioned ₹ 2,336 crore as food subsidy for the year 2019-20.

**Graph 4.3 : Foodgrain subsidy**



## Computerisation of PDS

4.24 As per guidelines issued by GoI, the State has undertaken the end-to-end computerisation of the TPDS system to eradicate malpractices from National Food Security Act Scheme and distribute food commodities to eligible beneficiaries in a transparent manner.

4.24.1 During 2019-20, *AADHAAR* seeding of 146.03 lakh ration cards out of total eligible 150.58 lakh ration cards covered under the NFSA has been completed upto December, 2019. Also *AADHAAR* seeding of nine lakh ration cards out of total eligible 9.16 lakh ration cards covered under APL farmers from drought prone 14 districts scheme has been completed upto December, 2019. For distribution of foodgrains Point of Sale (PoS) devices have been installed in 52,423 FPS across the State. During 2018-19, the distribution of foodgrains through PoS devices has resulted in decrease in lifting of foodgrains of about 6,51,989 MT.

4.24.2 With objective of availability, access and utilisation of foodgrains to the marginal section of society dependent upon government for its food requirements, the State has launched *AADHAAR* enabled Public Distribution System (AePDS) across all FPS and introduced Inter-State & pan-state portability, in May, 2018. In December, 2019 about 1.39 Crore families availed ration with *AADHAAR* based biometric authentication.

4.24.3 'One Nation, One Ration Card' is being implemented in India from 1<sup>st</sup> January, 2020. Under the scheme, beneficiaries can buy subsidised foodgrains from Fair Price Shops (FPS) in any part of India by way of portability using Point of Sale (PoS) devices, which have been installed in all FPS. This will mainly help migrant workers to have access to subsidised foodgrains throughout the year and encourage better service quality.

## State Consumer Dispute Redressal Commission

4.25 The State Consumer Dispute Redressal Commission has been constituted in the State to redress the grievances of the consumer. The head office of the Commission is in Mumbai with two circuit benches at Aurangabad and Nagpur. In the State, District fora have been established for each district at the district headquarters and additional fora at Mumbai, Mumbai Suburban, Thane, Pune and Nagpur taking into consideration the heavy filing of the complaints. The complaints from ₹ 20 lakh to ₹ one crore are redressed by the State Commission and the complaints upto ₹ 20 lakh are redressed by District Fora. To monitor cases at the State Commission and District forums, Computerisation and Computer Networking of Consumer Forums in India (CONFONET) system has been developed. Since constitution of the Commission including 40 district fora total 3,49,230 complaints were received, of which 2,49,026 grievances were resolved upto December, 2019. During 2019-20, total 20,620 complaints were filed at the State Commission and District Forum, of which 15,080 has been resolved upto December.

\* \* \* \* \*



## ANNEXURE 4.1

## GROUPWISE CONSUMER PRICE INDEX NUMBERS FOR RURAL MAHARASHTRA

| (Base Year - 2003)   |              |                              |                        |                                    |               |                    | Year on                   |
|----------------------|--------------|------------------------------|------------------------|------------------------------------|---------------|--------------------|---------------------------|
| Year/ Month          | Food         | Pan, Supari &<br>Intoxicants | Fuel, Power &<br>Light | Clothing,<br>Bedding &<br>Footwear | Miscellaneous | All<br>Commodities | Year<br>Inflation<br>rate |
| (1)                  | (2)          | (3)                          | (4)                    | (5)                                | (6)           | (7)                | (8)                       |
| <b>Weight</b>        | <b>52.85</b> | <b>2.15</b>                  | <b>10.67</b>           | <b>8.53</b>                        | <b>25.80</b>  | <b>100.00</b>      | --                        |
| 2009-10              | 166          | 156                          | 261                    | 111                                | 136           | 163                | 12.8                      |
| 2010-11              | 184          | 174                          | 297                    | 114                                | 150           | 181                | 10.9                      |
| 2011-12              | 201          | 205                          | 326                    | 119                                | 162           | 198                | 9.1                       |
| 2012-13              | 222          | 243                          | 383                    | 125                                | 172           | 218                | 10.5                      |
| 2013-14              | 242          | 264                          | 434                    | 131                                | 192           | 241                | 10.2                      |
| 2014-15              | 249          | 293                          | 467                    | 133                                | 200           | 251                | 4.2                       |
| 2015-16              | 262          | 325                          | 446                    | 135                                | 205           | 258                | 2.8                       |
| 2016-17              | 271          | 352                          | 463                    | 137                                | 209           | 266                | 3.2                       |
| 2017-18              | 270          | 410                          | 498                    | 139                                | 208           | 270                | 1.7                       |
| 2018-19              | 272          | 444                          | 513                    | 143                                | 213           | 275                | 1.7                       |
| 2019-20 <sup>@</sup> | 308          | 450                          | 532                    | 147                                | 219           | 298                | 9.2                       |
| April 2019           | 290          | 448                          | 521                    | 145                                | 217           | 287                | 7.9                       |
| May 2019             | 299          | 448                          | 522                    | 145                                | 218           | 292                | 9.0                       |
| June 2019            | 304          | 448                          | 525                    | 145                                | 218           | 295                | 9.1                       |
| July 2019            | 303          | 449                          | 536                    | 147                                | 218           | 296                | 8.3                       |
| August 2019          | 309          | 449                          | 536                    | 147                                | 219           | 299                | 8.7                       |
| September 2019       | 313          | 450                          | 537                    | 147                                | 220           | 302                | 10.0                      |
| October 2019         | 313          | 450                          | 538                    | 147                                | 220           | 302                | 9.1                       |
| November 2019        | 319          | 452                          | 538                    | 148                                | 220           | 305                | 10.2                      |
| December 2019        | 320          | 453                          | 538                    | 148                                | 220           | 305                | 10.2                      |

Source - Directorate of Economics &amp; Statistics, GoM, Mumbai.

@ Average for 9 months

Note - Inflation rate = Percentage rise in the index of the current period over that of corresponding period of the previous year.

## ANNEXURE 4.2

## GROUPWISE CONSUMER PRICE INDEX NUMBERS FOR URBAN MAHARASHTRA

(Base Year - 2003)

| Year / Month         | Food         | Pan, Supari<br>& Intoxicants | Fuel, Power<br>& Light | Clothing,<br>Bedding &<br>Footwear | Miscellaneous | All<br>Commodities | Year on Year<br>Inflation rate |
|----------------------|--------------|------------------------------|------------------------|------------------------------------|---------------|--------------------|--------------------------------|
| (1)                  | (2)          | (3)                          | (4)                    | (5)                                | (6)           | (7)                | (8)                            |
| <b>Weight</b>        | <b>45.80</b> | <b>1.54</b>                  | <b>10.28</b>           | <b>7.51</b>                        | <b>34.87</b>  | <b>100.00</b>      | <b>--</b>                      |
| 2009-10              | 165          | 147                          | 245                    | 113                                | 131           | 157                | 11.4                           |
| 2010-11              | 186          | 169                          | 278                    | 118                                | 143           | 175                | 11.4                           |
| 2011-12              | 201          | 205                          | 297                    | 126                                | 154           | 189                | 7.9                            |
| 2012-13              | 224          | 233                          | 349                    | 132                                | 160           | 208                | 10.1                           |
| 2013-14              | 248          | 262                          | 396                    | 137                                | 175           | 230                | 10.3                           |
| 2014-15              | 254          | 288                          | 429                    | 139                                | 185           | 240                | 4.5                            |
| 2015-16              | 268          | 322                          | 408                    | 142                                | 191           | 247                | 3.0                            |
| 2016-17              | 278          | 347                          | 426                    | 145                                | 194           | 255                | 3.2                            |
| 2017-18              | 278          | 386                          | 462                    | 146                                | 195           | 260                | 2.0                            |
| 2018-19              | 278          | 417                          | 503                    | 147                                | 201           | 267                | 2.5                            |
| 2019-20 <sup>@</sup> | 308          | 432                          | 503                    | 150                                | 205           | 282                | 6.2                            |
| April 2019           | 291          | 424                          | 504                    | 149                                | 204           | 274                | 5.6                            |
| May 2019             | 298          | 426                          | 505                    | 149                                | 204           | 277                | 6.3                            |
| June 2019            | 302          | 430                          | 507                    | 149                                | 204           | 279                | 6.2                            |
| July 2019            | 309          | 430                          | 504                    | 150                                | 205           | 283                | 5.5                            |
| August 2019          | 309          | 432                          | 499                    | 150                                | 205           | 283                | 5.7                            |
| September 2019       | 311          | 435                          | 499                    | 151                                | 206           | 283                | 6.3                            |
| October 2019         | 313          | 438                          | 499                    | 151                                | 206           | 285                | 5.9                            |
| November 2019        | 318          | 439                          | 506                    | 151                                | 207           | 288                | 6.6                            |
| December 2019        | 319          | 438                          | 509                    | 151                                | 208           | 289                | 7.8                            |

Source - Directorate of Economics &amp; Statistics, GoM, Mumbai.

<sup>@</sup> Average for 9 months

Note - Inflation rate = Percentage rise in the index of the current period over that of corresponding period of the previous year.

## ANNEXURE 4.3

**GROUPWISE CONSUMER PRICE INDEX OF MAHARASHTRA COMPILED BY NATIONAL  
STATISTICAL OFFICE, GoI FOR RURAL, URBAN AND COMBINED**

(Base Year : 2012)

| Group                      | Weights | Year    |         |         |         |         |         |                      |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|----------------------|
|                            |         | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 <sup>@</sup> |
| (1)                        | (2)     | (3)     | (4)     | (5)     | (6)     | (7)     | (8)     | (9)                  |
| <b>Rural</b>               |         |         |         |         |         |         |         |                      |
| Food & Beverages           | 54.18   | 113.1   | 120.8   | 129.2   | 136.5   | 140.6   | 139.3   | 144.2                |
| Pan, Tobacco & Intoxicants | 3.26    | 108.7   | 114.6   | 130.5   | 140.5   | 155.0   | 158.6   | 158.4                |
| Clothing & Footwear        | 7.36    | 111.5   | 119.0   | 127.3   | 135.0   | 145.9   | 148.7   | 148.9                |
| Housing                    | --      | --      | --      | --      | --      | --      | --      | --                   |
| Fuel & light               | 7.94    | 111.5   | 116.3   | 124.7   | 129.4   | 141.1   | 147.5   | 146.5                |
| Miscellaneous              | 27.26   | 108.1   | 113.6   | 119.0   | 126.9   | 136.7   | 144.4   | 148.9                |
| General Index              | 100.00  | 111.4   | 118.2   | 126.0   | 133.3   | 140.4   | 142.6   | 146.4                |
| Inflation                  | --      | --      | 6.1     | 6.6     | 5.8     | 5.3     | 1.6     | 2.4                  |
| <b>Urban</b>               |         |         |         |         |         |         |         |                      |
| Food & Beverages           | 36.29   | 115.4   | 123.3   | 128.4   | 133.4   | 135.4   | 137.8   | 148.1                |
| Pan, Tobacco & Intoxicants | 1.36    | 109.7   | 118.5   | 134.1   | 152.6   | 162.9   | 169.2   | 173.8                |
| Clothing & Footwear        | 5.57    | 110.4   | 117.9   | 122.2   | 126.7   | 131.9   | 138.4   | 141.6                |
| Housing                    | 21.67   | 106.6   | 111.7   | 115.3   | 119.6   | 127.0   | 134.6   | 139.3                |
| Fuel & light               | 5.58    | 110.9   | 112.9   | 116.0   | 118.5   | 122.2   | 127.3   | 130.0                |
| Miscellaneous              | 29.53   | 107.8   | 112.1   | 114.2   | 117.6   | 121.5   | 127.4   | 130.9                |
| General Index              | 100.00  | 110.4   | 116.2   | 120.1   | 124.4   | 128.6   | 133.7   | 139.8                |
| Inflation                  | --      | --      | 5.2     | 3.3     | 3.6     | 3.4     | 4.0     | 4.9                  |
| <b>Combined</b>            |         |         |         |         |         |         |         |                      |
| Food & Beverages           | --      | 114.4   | 122.2   | 128.8   | 134.8   | 137.7   | 138.5   | 146.4                |
| Pan, Tobacco & Intoxicants | --      | 109.1   | 116.2   | 132.0   | 145.5   | 158.3   | 163.0   | 164.8                |
| Clothing & Footwear        | --      | 110.9   | 118.4   | 124.4   | 130.2   | 137.9   | 142.8   | 144.7                |
| Housing                    | --      | --      | --      | --      | --      | --      | --      | --                   |
| Fuel & light               | --      | 111.2   | 114.4   | 119.7   | 123.2   | 130.3   | 136.0   | 137.2                |
| Miscellaneous              | --      | 107.9   | 112.6   | 115.7   | 120.6   | 126.3   | 132.8   | 136.6                |
| General Index              | --      | 110.7   | 116.9   | 122.0   | 127.3   | 132.5   | 136.7   | 142.0                |
| Inflation                  | --      | --      | 5.5     | 4.4     | 4.4     | 4.1     | 3.1     | 4.0                  |

Source: National Statistical Office, GoI

@ Average for 9 months

## ANNEXURE 4.4

**CONSUMER PRICE INDEX NUMBERS FOR AGRICULTURAL LABOURERS AND  
RURAL LABOURERS IN MAHARASHTRA AND ALL-INDIA**

(Base year - 1986-87)

| Year/Month           | Consumer Price Index No. for Agricultural Labourers |               |            |               | Consumer Price Index No. for Rural Labourers |               |            |               |
|----------------------|-----------------------------------------------------|---------------|------------|---------------|----------------------------------------------|---------------|------------|---------------|
|                      | Maharashtra                                         |               | All India  |               | Maharashtra                                  |               | All India  |               |
|                      | Food group                                          | General Index | Food group | General Index | Food group                                   | General Index | Food group | General Index |
| (1)                  | (2)                                                 | (3)           | (4)        | (5)           | (6)                                          | (7)           | (8)        | (9)           |
| 2009-10              | 574                                                 | 540           | 522        | 513           | 571                                          | 535           | 523        | 513           |
| 2010-11              | 633                                                 | 600           | 572        | 564           | 629                                          | 595           | 573        | 564           |
| 2011-12              | 704                                                 | 676           | 602        | 611           | 697                                          | 668           | 603        | 611           |
| 2012-13              | 770                                                 | 744           | 658        | 672           | 763                                          | 737           | 660        | 673           |
| 2013-14              | 818                                                 | 793           | 737        | 750           | 793                                          | 786           | 739        | 751           |
| 2014-15              | 873                                                 | 848           | 778        | 800           | 861                                          | 841           | 782        | 801           |
| 2015-16              | 930                                                 | 897           | 807        | 835           | 915                                          | 887           | 810        | 836           |
| 2016-17              | 993                                                 | 950           | 841        | 870           | 981                                          | 943           | 847        | 875           |
| 2017-18              | 975                                                 | 957           | 846        | 889           | 963                                          | 951           | 852        | 895           |
| 2018-19              | 963                                                 | 967           | 850        | 907           | 950                                          | 963           | 855        | 915           |
| 2019-20 <sup>@</sup> | 1113                                                | 1079          | 920        | 969           | 1097                                         | 1071          | 926        | 976           |
| April 2019           | 1031                                                | 1016          | 874        | 932           | 1016                                         | 1010          | 880        | 939           |
| May 2019             | 1055                                                | 1032          | 885        | 940           | 1040                                         | 1027          | 891        | 948           |
| June 2019            | 1088                                                | 1057          | 898        | 950           | 1073                                         | 1049          | 904        | 957           |
| July 2019            | 1100                                                | 1071          | 907        | 958           | 1084                                         | 1063          | 912        | 965           |
| August 2019          | 1121                                                | 1086          | 915        | 965           | 1104                                         | 1076          | 919        | 972           |
| September 2019       | 1135                                                | 1099          | 928        | 976           | 1119                                         | 1089          | 933        | 983           |
| October 2019         | 1146                                                | 1106          | 942        | 987           | 1129                                         | 1097          | 947        | 993           |
| November 2019        | 1164                                                | 1118          | 959        | 1000          | 1147                                         | 1109          | 963        | 1006          |
| December 2019        | 1176                                                | 1129          | 976        | 1014          | 1157                                         | 1120          | 981        | 1019          |

Source - Labour Bureau, Simla, GoI.

<sup>@</sup> Average for 9 months

## ANNEXURE 4.5

## ALL-INDIA CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS

(Base year - 2001)

| Year/Month           | Food         | Pan, Supari,<br>Tobacco &<br>Intoxicants | Fuel & Light | Housing      | Clothing,<br>Bedding &<br>Footwear | Miscellaneous | General index |
|----------------------|--------------|------------------------------------------|--------------|--------------|------------------------------------|---------------|---------------|
| (1)                  | (2)          | (3)                                      | (4)          | (5)          | (6)                                | (7)           | (8)           |
| <b>Weight</b>        | <b>46.20</b> | <b>2.27</b>                              | <b>6.43</b>  | <b>15.27</b> | <b>6.57</b>                        | <b>23.26</b>  | <b>100.00</b> |
| 2009-10              | 176          | 150                                      | 149          | 166          | 128                                | 149           | 163           |
| 2010-11              | 194          | 168                                      | 163          | 201          | 136                                | 157           | 180           |
| 2011-12              | 206          | 194                                      | 188          | 222          | 155                                | 168           | 195           |
| 2012-13              | 230          | 223                                      | 214          | 238          | 170                                | 182           | 215           |
| 2013-14              | 259          | 249                                      | 230          | 254          | 181                                | 195           | 236           |
| 2014-15              | 280          | 284                                      | 243          | 273          | 192                                | 210           | 254           |
| 2015-16              | 293          | 305                                      | 249          | 285          | 198                                | 216           | 265           |
| 2016-17              | 305          | 327                                      | 249          | 298          | 206                                | 226           | 276           |
| 2017-18              | 310          | 356                                      | 260          | 313          | 214                                | 235           | 284           |
| 2018-19              | 312          | 379                                      | 271          | 382          | 221                                | 246           | 300           |
| 2019-20 <sup>@</sup> | 333          | 391                                      | 283          | 430          | 226                                | 254           | 321           |
| April 2019           | 320          | 386                                      | 276          | 421          | 224                                | 251           | 312           |
| May 2019             | 323          | 387                                      | 277          | 421          | 224                                | 252           | 314           |
| June 2019            | 328          | 389                                      | 277          | 421          | 225                                | 252           | 316           |
| July 2019            | 329          | 390                                      | 277          | 434          | 225                                | 253           | 319           |
| August 2019          | 330          | 391                                      | 282          | 434          | 226                                | 254           | 320           |
| September 2019       | 334          | 392                                      | 286          | 434          | 227                                | 255           | 322           |
| October 2019         | 341          | 393                                      | 288          | 434          | 227                                | 255           | 325           |
| November 2019        | 345          | 396                                      | 289          | 434          | 227                                | 256           | 328           |
| December 2019        | 349          | 396                                      | 291          | 434          | 228                                | 257           | 330           |

Source - Labour Bureau, Simla, GoI.

<sup>@</sup> Average for 9 months

## ANNEXURE 4.6

CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS AT  
SELECTED CENTRES IN MAHARASHTRA

(Base year - 2001) (CENTRAL CENTERS)

| Year/Month           | MUMBAI        |                  | SOLAPUR       |                  | NAGPUR        |                  | PUNE          |                  | NASHIK        |                  |
|----------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
|                      | Food<br>group | General<br>index | Food<br>group | General<br>index | Food<br>group | General<br>index | Food<br>group | General<br>index | Food<br>group | General<br>index |
| (1)                  | (2)           | (3)              | (4)           | (5)              | (6)           | (7)              | (8)           | (9)              | (10)          | (11)             |
| <b>Weight</b>        | <b>48.9</b>   | <b>100.00</b>    | <b>54.7</b>   | <b>100.00</b>    | <b>43.1</b>   | <b>100.00</b>    | <b>39.8</b>   | <b>100.00</b>    | <b>41.4</b>   | <b>100.00</b>    |
| 2009-10              | 173           | 163              | 176           | 166              | 192           | 183              | 183           | 167              | 183           | 165              |
| 2010-11              | 191           | 178              | 189           | 182              | 205           | 207              | 203           | 185              | 202           | 186              |
| 2011-12              | 208           | 196              | 214           | 204              | 216           | 224              | 226           | 204              | 216           | 208              |
| 2012-13              | 232           | 218              | 228           | 220              | 244           | 246              | 247           | 221              | 233           | 228              |
| 2013-14              | 260           | 242              | 260           | 246              | 280           | 268              | 280           | 242              | 258           | 244              |
| 2014-15              | 284           | 262              | 283           | 265              | 294           | 281              | 299           | 257              | 280           | 261              |
| 2015-16              | 306           | 280              | 306           | 284              | 317           | 298              | 316           | 269              | 289           | 274              |
| 2016-17              | 312           | 286              | 316           | 294              | 325           | 308              | 331           | 277              | 303           | 287              |
| 2017-18              | 314           | 291              | 311           | 295              | 324           | 317              | 323           | 280              | 305           | 297              |
| 2018-19              | 314           | 297              | 318           | 311              | 323           | 359              | 342           | 316              | 304           | 333              |
| 2019-20 <sup>@</sup> | 337           | 315              | 343           | 339              | 346           | 399              | 382           | 350              | 331           | 367              |
| April 2019           | 324           | 307              | 332           | 327              | 327           | 386              | 360           | 336              | 317           | 358              |
| May 2019             | 324           | 308              | 341           | 332              | 332           | 389              | 369           | 341              | 320           | 360              |
| June 2019            | 327           | 309              | 339           | 331              | 342           | 393              | 373           | 344              | 321           | 360              |
| July 2019            | 330           | 312              | 340           | 335              | 351           | 403              | 382           | 351              | 321           | 362              |
| August 2019          | 332           | 313              | 340           | 341              | 349           | 403              | 386           | 353              | 320           | 364              |
| September 2019       | 348           | 321              | 340           | 341              | 349           | 403              | 386           | 353              | 329           | 369              |
| October 2019         | 349           | 322              | 350           | 347              | 356           | 405              | 389           | 355              | 345           | 375              |
| November 2019        | 350           | 322              | 355           | 350              | 358           | 407              | 398           | 358              | 348           | 377              |
| December 2019        | 348           | 322              | 350           | 347              | 353           | 405              | 395           | 357              | 355           | 380              |

Source - Labour Bureau, Simla, GoI.

@ Average for 9 months

## ANNEXURE 4.7

CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS AT  
SELECTED CENTRES IN MAHARASHTRA

| (Base year - 2001) (STATE CENTERS) |               |                  |               |                  |               |                  |               |                  |               |                  |
|------------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
| Year/Month                         | AKOLA         |                  | KOLHAPUR      |                  | JALGAON       |                  | NANDED        |                  | AURANGABAD    |                  |
|                                    | Food<br>group | General<br>index | Food<br>group | General<br>index | Food<br>group | General<br>index | Food<br>group | General<br>index | Food<br>group | General<br>index |
| (1)                                | (2)           | (3)              | (4)           | (5)              | (6)           | (7)              | (8)           | (9)              | (10)          | (11)             |
| <b>Weight</b>                      | <b>45.88</b>  | <b>100.00</b>    | <b>48.22</b>  | <b>100.00</b>    | <b>47.76</b>  | <b>100.00</b>    | <b>49.05</b>  | <b>100.00</b>    | <b>40.89</b>  | <b>100.00</b>    |
| 2009-10                            | 156           | 161              | 169           | 164              | 172           | 167              | 169           | 174              | 171           | 164              |
| 2010-11                            | 170           | 175              | 191           | 184              | 195           | 186              | 187           | 200              | 188           | 183              |
| 2011-12                            | 183           | 188              | 217           | 207              | 218           | 206              | 215           | 227              | 212           | 206              |
| 2012-13                            | 210           | 216              | 236           | 226              | 241           | 230              | 232           | 251              | 239           | 234              |
| 2013-14                            | 231           | 238              | 258           | 245              | 262           | 251              | 261           | 275              | 266           | 258              |
| 2014-15                            | 220           | 243              | 262           | 255              | 266           | 261              | 270           | 289              | 276           | 273              |
| 2015-16                            | 250           | 262              | 276           | 270              | 278           | 272              | 304           | 314              | 296           | 292              |
| 2016-17                            | 267           | 282              | 288           | 281              | 286           | 285              | 318           | 331              | 303           | 308              |
| 2017-18                            | 276           | 311              | 284           | 296              | 282           | 303              | 305           | 343              | 293           | 324              |
| 2018-19                            | 277           | 332              | 284           | 310              | 285           | 318              | 305           | 359              | 294           | 337              |
| 2019-20 <sup>@</sup>               | 294           | 356              | 306           | 330              | 308           | 339              | 340           | 392              | 317           | 355              |
| April 2019                         | 282           | 351              | 297           | 323              | 297           | 333              | 326           | 381              | 306           | 350              |
| May 2019                           | 287           | 353              | 297           | 323              | 294           | 332              | 331           | 383              | 307           | 351              |
| June 2019                          | 290           | 354              | 303           | 326              | 297           | 333              | 337           | 386              | 312           | 353              |
| July 2019                          | 293           | 356              | 303           | 330              | 303           | 337              | 340           | 393              | 312           | 354              |
| August 2019                        | 293           | 355              | 302           | 329              | 308           | 337              | 340           | 392              | 317           | 354              |
| September 2019                     | 293           | 355              | 306           | 330              | 313           | 340              | 338           | 392              | 317           | 355              |
| October 2019                       | 300           | 359              | 312           | 334              | 317           | 343              | 347           | 397              | 323           | 358              |
| November 2019                      | 301           | 362              | 317           | 338              | 323           | 347              | 350           | 399              | 327           | 361              |
| December 2019                      | 303           | 363              | 321           | 340              | 323           | 348              | 355           | 402              | 330           | 363              |

Source - Office of the Labour Commissioner, GoM, Mumbai.

<sup>@</sup> Average for 9 months

## ANNEXURE 4.8

## INFLATION RATES BASED ON IMPORTANT PRICE INDICES

| Year/Month           | Inflation Rates                                                                     |                                                                                            |                                                                                        |
|----------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|                      | All India consumer price index<br>number for industrial workers<br>(Base Year-2001) | All India consumer price index<br>number for agricultural labourers<br>(Base Year-1986-87) | All India consumer price<br>index number for rural<br>labourers<br>(Base Year-1986-87) |
| (1)                  | (2)                                                                                 | (3)                                                                                        | (4)                                                                                    |
| 2009-10              | 12.4                                                                                | 13.9                                                                                       | 13.8                                                                                   |
| 2010-11              | 10.4                                                                                | 10.0                                                                                       | 10.0                                                                                   |
| 2011-12              | 8.4                                                                                 | 8.2                                                                                        | 8.3                                                                                    |
| 2012-13              | 10.4                                                                                | 10.0                                                                                       | 10.2                                                                                   |
| 2013-14              | 9.7                                                                                 | 11.7                                                                                       | 11.5                                                                                   |
| 2014-15              | 7.9                                                                                 | 6.6                                                                                        | 6.9                                                                                    |
| 2015-16              | 5.6                                                                                 | 4.4                                                                                        | 4.6                                                                                    |
| 2016-17              | 4.1                                                                                 | 4.2                                                                                        | 4.2                                                                                    |
| 2017-18              | 3.1                                                                                 | 2.2                                                                                        | 2.3                                                                                    |
| 2018-19              | 5.4                                                                                 | 2.1                                                                                        | 2.2                                                                                    |
| 2019-20 <sup>@</sup> | 7.8                                                                                 | 7.3                                                                                        | 7.1                                                                                    |
| April 2019           | 8.3                                                                                 | 5.0                                                                                        | 4.8                                                                                    |
| May 2019             | 8.7                                                                                 | 5.5                                                                                        | 5.5                                                                                    |
| June 2019            | 8.6                                                                                 | 6.3                                                                                        | 6.1                                                                                    |
| July 2019            | 6.0                                                                                 | 6.2                                                                                        | 6.0                                                                                    |
| August 2019          | 6.3                                                                                 | 6.4                                                                                        | 6.2                                                                                    |
| September 2019       | 7.0                                                                                 | 7.3                                                                                        | 7.2                                                                                    |
| October 2019         | 7.6                                                                                 | 8.1                                                                                        | 7.9                                                                                    |
| November 2019        | 8.6                                                                                 | 9.4                                                                                        | 9.2                                                                                    |
| December 2019        | 9.6                                                                                 | 11.1                                                                                       | 10.6                                                                                   |

Source - Labour Bureau, Simla, GoI.

@ Average for 9 months

Note - Inflation rate = Percentage rise in the index of the current period over that of corresponding period of the previous year.



## ANNEXURE 4.9

## ALL-INDIA WHOLESALE PRICE INDEX NUMBERS

(Base year – 2011-12)

| Year / Month         | Primary Articles | Fuel & Power | Manufactured Products | All commodities | Inflation |
|----------------------|------------------|--------------|-----------------------|-----------------|-----------|
| (1)                  | (2)              | (3)          | (4)                   | (5)             |           |
| <b>Weight</b>        | <b>22.62</b>     | <b>13.15</b> | <b>64.23</b>          | <b>100.00</b>   | --        |
| 2012-13              | 111.4            | 107.1        | 105.3                 | 106.9           | --        |
| 2013-14              | 122.4            | 114.7        | 108.5                 | 112.5           | 5.2       |
| 2014-15              | 125.1            | 107.7        | 111.2                 | 113.9           | 1.3       |
| 2015-16              | 124.6            | 86.5         | 109.2                 | 109.7           | (-) 3.7   |
| 2016-17              | 128.9            | 86.3         | 110.7                 | 111.6           | 3.6       |
| 2017-18              | 130.6            | 93.3         | 113.8                 | 114.9           | 2.9       |
| 2018-19              | 134.2            | 104.1        | 117.9                 | 119.8           | 4.3       |
| 2019-20 <sup>@</sup> | 143.6            | 101.9        | 118.1                 | 121.7           | 1.5       |
| April 2019           | 139.3            | 102.8        | 118.5                 | 121.1           | 3.2       |
| May 2019             | 140.3            | 104.4        | 118.6                 | 121.6           | 2.8       |
| June 2019            | 141.0            | 102.2        | 118.5                 | 121.5           | 2.0       |
| July 2019            | 142.8            | 100.6        | 118.0                 | 121.3           | 1.2       |
| August 2019          | 144.0            | 101.2        | 117.8                 | 121.5           | 1.2       |
| September 2019       | 143.0            | 100.6        | 117.9                 | 121.3           | 0.3       |
| October 2019         | 145.5            | 102.3        | 117.8                 | 122.0           | 0.0       |
| November 2019 *      | 147.3            | 101.3        | 117.8                 | 122.3           | 0.6       |
| December 2019 *      | 148.8            | 101.3        | 118.0                 | 122.8           | 2.6       |

Source - Office of the Economic Adviser, Ministry of Commerce and Industry, GoI

@ Average for 9 months

\* Provisional

## ANNEXURE 4.10

DISTRICTWISE NUMBER OF RATION CARDS (As on 31<sup>st</sup> December, 2019)

| District                      | Yellow           | Saffron          |                  |                  | Annapurna     | White            | Total ration cards |
|-------------------------------|------------------|------------------|------------------|------------------|---------------|------------------|--------------------|
|                               |                  | PHH Saffron      | PHH Farmers      | NPH Saffron      |               |                  |                    |
| (1)                           | (2)              | (3)              | (4)              | (5)              | (6)           | (7)              | (8)                |
| Mumbai / Thane Rationing Area | 44,903           | 18,75,142        | 0                | 13,59,783        | 91            | 9,12,741         | 41,92,660          |
| Thane                         | 1,02,781         | 40,786           | 0                | 61,775           | 0             | 8,546            | 2,13,888           |
| Palghar                       | 1,96,898         | 1,87,760         | 0                | 2,57,993         | 1,106         | 40,323           | 6,84,080           |
| Raigad                        | 1,83,375         | 2,38,824         | 0                | 2,09,856         | 0             | 1,11,417         | 7,43,472           |
| Ratnagiri                     | 1,07,978         | 2,07,656         | 0                | 73,597           | 373           | 42,999           | 4,32,603           |
| Sindhudurg                    | 69,303           | 1,06,779         | 0                | 35,074           | 0             | 21,168           | 2,32,324           |
| Nashik                        | 4,84,007         | 2,91,924         | 0                | 4,51,883         | 0             | 87,385           | 13,15,199          |
| Dhule                         | 2,19,839         | 73,441           | 0                | 1,28,292         | 0             | 17,287           | 4,38,859           |
| Nandurbar                     | 2,07,286         | 46,684           | 0                | 75,981           | 0             | 7,755            | 3,37,706           |
| Jalgaon                       | 3,52,340         | 2,55,707         | 0                | 3,12,649         | 0             | 74,451           | 9,95,147           |
| Ahmednagar                    | 3,48,217         | 3,60,392         | 0                | 3,38,174         | 0             | 54,417           | 11,01,200          |
| Pune                          | 2,12,576         | 7,67,551         | 0                | 7,62,451         | 0             | 2,09,559         | 19,52,137          |
| Satara                        | 1,42,617         | 2,84,571         | 0                | 2,44,095         | 0             | 57,293           | 7,28,576           |
| Sangli                        | 96,592           | 2,95,944         | 0                | 2,36,369         | 444           | 77,983           | 7,07,332           |
| Solapur                       | 2,36,268         | 2,59,946         | 0                | 3,18,176         | 603           | 74,493           | 8,89,486           |
| Kolhapur                      | 1,98,996         | 3,61,188         | 0                | 3,18,992         | 0             | 95,266           | 9,74,442           |
| Aurangabad                    | 2,47,326         | 1,99,569         | 95,192           | 2,40,514         | 2,079         | 12,195           | 7,96,875           |
| Jalna                         | 1,56,599         | 1,45,902         | 37,023           | 34,225           | 1,088         | 2,438            | 3,77,275           |
| Parbhani                      | 1,15,799         | 1,41,525         | 69,137           | 78,119           | 1,527         | 3,071            | 4,09,178           |
| Hingoli                       | 88,226           | 92,919           | 30,475           | 35,884           | 485           | 2,460            | 2,50,449           |
| Beed                          | 2,88,911         | 1,68,009         | 94,223           | 1,07,487         | 2,236         | 13,865           | 6,74,731           |
| Nanded                        | 80,195           | 4,26,432         | 1,22,135         | 1,12,152         | 1,689         | 11,790           | 7,54,393           |
| Osmanabad                     | 1,44,764         | 97,063           | 78,209           | 42,267           | 0             | 11,902           | 3,74,205           |
| Latur                         | 1,28,009         | 2,01,387         | 66,373           | 78,927           | 0             | 20,259           | 4,94,955           |
| Buldhana                      | 2,05,475         | 1,63,970         | 89,019           | 92,142           | 0             | 22,541           | 5,73,147           |
| Akola                         | 1,15,886         | 1,04,970         | 50,832           | 1,40,444         | 352           | 21,750           | 4,34,234           |
| Washim                        | 1,08,092         | 29,016           | 53,017           | 99,682           | 0             | 14,239           | 3,04,046           |
| Amravati                      | 1,21,953         | 85,679           | 1,26,775         | 1,22,740         | 0             | 24,442           | 4,81,589           |
| Yavatmal                      | 2,77,500         | 1,51,964         | 70,953           | 1,40,631         | 1,149         | 22,042           | 6,64,239           |
| Wardha                        | 44,944           | 1,86,847         | 41,503           | 51,457           | 0             | 11,727           | 3,36,478           |
| Nagpur                        | 1,90,353         | 5,37,905         | 0                | 3,69,281         | 0             | 78,340           | 11,75,879          |
| Bhandara                      | 1,41,021         | 71,660           | 0                | 43,998           | 0             | 14,447           | 2,71,126           |
| Gondia                        | 1,59,676         | 96,011           | 0                | 96,967           | 0             | 8,269            | 3,60,923           |
| Chandrapur                    | 1,37,023         | 2,54,365         | 0                | 46,932           | 0             | 20,914           | 4,59,234           |
| Gadchiroli                    | 1,31,621         | 63,288           | 0                | 35,749           | 0             | 7,397            | 2,38,055           |
| <b>Maharashtra State</b>      | <b>60,87,349</b> | <b>88,72,776</b> | <b>10,24,866</b> | <b>71,54,738</b> | <b>13,222</b> | <b>22,17,171</b> | <b>2,53,70,122</b> |

Source - Food, Civil Supplies and Consumer Protection Department, GoM.

## ANNEXURE 4.11

## QUANTITY OF RICE AND WHEAT DISTRIBUTED TO AUTHORISED RATION / FAIR PRICE SHOPS

(Lakh MT)

| Year                         | Rice                  |                 |                  | Wheat                 |                 |                 |
|------------------------------|-----------------------|-----------------|------------------|-----------------------|-----------------|-----------------|
|                              | Mumbai rationing area | Other districts | Total. (2) + (3) | Mumbai rationing area | Other districts | Total (5) + (6) |
| (1)                          | (2)                   | (3)             | (4)              | (5)                   | (6)             | (7)             |
| 2001-02 (Total)              | 0.02                  | 5.16            | 5.18             | 0.05                  | 8.48            | 8.53            |
| Of which, TPDS               | 0.02                  | 5.00            | 5.02             | 0.04                  | 8.27            | 8.31            |
| 2013-14 (Total)              | 1.68                  | 15.92           | 17.60            | 1.95                  | 18.51           | 20.46           |
| Of which, TPDS/NFSA, 2013    | 0.48                  | 12.34           | 12.82            | 0.55                  | 13.58           | 14.13           |
| 2014-15 (Total)              | 2.13                  | 17.92           | 20.05            | 2.93                  | 22.72           | 25.65           |
| Of which, NFSA, 2013         | 1.83                  | 16.77           | 18.60            | 2.60                  | 21.22           | 23.82           |
| 2015-16 (Total)              | 2.28                  | 19.15           | 21.43            | 2.92                  | 22.17           | 25.09           |
| Of which, NFSA, 2013         | 2.28                  | 18.34           | 20.62            | 2.92                  | 20.91           | 23.83           |
| 2016-17 (Total)              | 2.02                  | 18.13           | 20.15            | 3.01                  | 23.07           | 26.08           |
| Of which, NFSA, 2013         | 2.02                  | 16.92           | 18.94            | 3.01                  | 21.15           | 24.16           |
| 2017-18 (Total)              | 2.14                  | 18.00           | 20.14            | 3.20                  | 22.40           | 25.60           |
| Of which, NFSA, 2013         | 2.14                  | 16.81           | 18.95            | 3.20                  | 20.61           | 23.81           |
| 2018-19 (Total)              | 2.14                  | 16.22           | 18.36            | 3.19                  | 20.24           | 23.43           |
| Of which, NFSA, 2013         | 2.14                  | 15.26           | 17.40            | 3.19                  | 18.52           | 21.71           |
| 2019-20 (Total) <sup>+</sup> | 1.08                  | 11.57           | 12.65            | 1.60                  | 14.80           | 16.40           |
| Of which, NFSA, 2013         | 1.08                  | 10.99           | 12.07            | 1.60                  | 13.81           | 15.41           |

Source - Food, Civil Supplies and Consumer Protection Department, GoM.

<sup>+</sup> upto DecemberNote - 1. Figures of *Antyodaya Anna Yojana* are included in Targeted Public Distribution System (TPDS) & NFSA, 2013

2. Since February, 2014 allotment is under NFSA, 2013 for PH and AAY beneficiaries.

## ANNEXURE 4.12

## ALLOTMENT BY GOVERNMENT OF INDIA TO THE STATE

(Lakh MT)

| Year                         | Rice  | Wheat |
|------------------------------|-------|-------|
| (1)                          | (2)   | (3)   |
| 2001-02 (Total)              | 9.23  | 17.13 |
| Of which, TPDS               | 6.55  | 12.16 |
| 2013-14 (Total)              | 21.96 | 25.19 |
| Of which, TPDS/NFSA, 2013    | 14.41 | 15.96 |
| 2014-15 (Total)              | 21.57 | 27.47 |
| Of which, NFSA, 2013         | 19.78 | 25.28 |
| 2015-16 (Total)              | 21.30 | 27.37 |
| Of which, NFSA, 2013         | 20.30 | 25.88 |
| 2016-17 (Total)              | 21.56 | 28.00 |
| Of which, NFSA, 2013         | 20.21 | 25.84 |
| 2017-18 (Total)              | 21.51 | 27.97 |
| Of which, NFSA, 2013         | 20.21 | 25.84 |
| 2018-19 (Total)              | 21.38 | 27.89 |
| Of which, NFSA, 2013         | 20.20 | 25.84 |
| 2019-20 (Total) <sup>+</sup> | 16.00 | 20.85 |
| Of which, NFSA, 2013         | 15.16 | 19.38 |

Source - Food, Civil Supplies and Consumer Protection Department, GoM.

<sup>+</sup> upto DecemberNote - 1. Figures of *Antyodaya Anna Yojana* are included in Targeted Public Distribution System (TPDS) & NFSA, 2013

2. Since February, 2014 allotment is under NFSA, 2013 for PH and AAY beneficiaries.

## ANNEXURE 4.13

## DISTRICTWISE NUMBER OF GODOWNS AVAILABLE, THEIR CAPACITY AND FAIR PRICE SHOPS

| District<br>(1)          | Available godowns (upto December, 2019) |                      | Number of fair price shops<br>(upto December, 2019)<br>(4) |
|--------------------------|-----------------------------------------|----------------------|------------------------------------------------------------|
|                          | Number<br>(2)                           | Capacity (MT)<br>(3) |                                                            |
| Mumbai                   | 7                                       | 5,481                | 3,944                                                      |
| Thane                    | 15                                      | 7,500                | 591                                                        |
| Palghar                  | 21                                      | 8,900                | 1,082                                                      |
| Raigad                   | 30                                      | 29,285               | 1,396                                                      |
| Ratnagiri                | 28                                      | 15,910               | 956                                                        |
| Sindhudurg               | 19                                      | 10,460               | 430                                                        |
| Nashik                   | 31                                      | 17,700               | 2,609                                                      |
| Dhule                    | 21                                      | 12,820               | 981                                                        |
| Nandurbar                | 22                                      | 11,000               | 1,061                                                      |
| Jalgaon                  | 35                                      | 29,060               | 1,933                                                      |
| Ahmednagar               | 35                                      | 36,200               | 1,883                                                      |
| Pune                     | 22                                      | 21,580               | 2,906                                                      |
| Satara                   | 35                                      | 23,850               | 1,656                                                      |
| Sangli                   | 30                                      | 19,930               | 1,357                                                      |
| Solapur                  | 38                                      | 45,804               | 1,872                                                      |
| Kolhapur                 | 22                                      | 17,550               | 1,572                                                      |
| Aurangabad               | 16                                      | 19,626               | 1,801                                                      |
| Jalna                    | 11                                      | 16,900               | 1,279                                                      |
| Parbhani                 | 18                                      | 10,430               | 1,451                                                      |
| Hingoli                  | 10                                      | 10,340               | 796                                                        |
| Beed                     | 34                                      | 30,960               | 1,964                                                      |
| Nanded                   | 44                                      | 22,740               | 1,720                                                      |
| Osmanabad                | 23                                      | 17,700               | 1,074                                                      |
| Latur                    | 25                                      | 21,740               | 1,347                                                      |
| Buldhana                 | 33                                      | 14,080               | 1,710                                                      |
| Akola                    | 19                                      | 13,240               | 965                                                        |
| Washim                   | 18                                      | 10,620               | 871                                                        |
| Amravati                 | 37                                      | 20,020               | 1,914                                                      |
| Yavatmal                 | 32                                      | 20,260               | 1,881                                                      |
| Wardha                   | 14                                      | 8,785                | 848                                                        |
| Nagpur                   | 47                                      | 33,783               | 1,961                                                      |
| Bhandara                 | 17                                      | 10,130               | 893                                                        |
| Gondia                   | 13                                      | 12,210               | 998                                                        |
| Chandrapur               | 29                                      | 18,680               | 1,526                                                      |
| Gadchiroli               | 32                                      | 20,500               | 1,195                                                      |
| <b>Maharashtra State</b> | <b>883</b>                              | <b>6,45,774</b>      | <b>52,423</b>                                              |

Source - Food, Civil Supplies and Consumer Protection Department, GoM.

## ANNEXURE 4.14

**ALLOTMENT, OFF-TAKE & DISTRIBUTION OF FOODGRAINS TO FAIR PRICE SHOPS  
DURING 2018-19 UNDER ANTYODAYA ANNA YOJANA**

(MT)

| District<br>(1)          | Allocation by State Government |                 |                  | Lifting from FCI |                 |                 | Lifting by FPS from godowns |                 |                 |
|--------------------------|--------------------------------|-----------------|------------------|------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|
|                          | Rice<br>(2)                    | Wheat<br>(3)    | Total<br>(4)     | Rice<br>(5)      | Wheat<br>(6)    | Total<br>(7)    | Rice<br>(8)                 | Wheat<br>(9)    | Total<br>(10)   |
| Mumbai                   | 4,097                          | 4,158           | 8,255            | 3,198            | 3,187           | 6,385           | 3,198                       | 3,187           | 6,385           |
| Thane                    | 14,080                         | 5,831           | 19,911           | 13,594           | 5,609           | 19,203          | 13,402                      | 5,550           | 18,952          |
| Palghar                  | 28,639                         | 11,862          | 40,501           | 27,238           | 11,567          | 38,805          | 27,226                      | 11,423          | 38,649          |
| Raigad                   | 24,291                         | 9,714           | 34,005           | 23,541           | 9,444           | 32,984          | 23,542                      | 9,444           | 32,985          |
| Ratnagiri                | 12,858                         | 5,325           | 18,183           | 11,269           | 4,759           | 16,028          | 10,610                      | 4,374           | 14,984          |
| Sindhudurg               | 7,290                          | 3,016           | 10,306           | 6,625            | 2,810           | 9,435           | 6,554                       | 2,695           | 9,249           |
| Nashik                   | 35,135                         | 40,930          | 76,065           | 32,756           | 35,597          | 68,353          | 32,198                      | 35,060          | 67,259          |
| Dhule                    | 16,025                         | 16,325          | 32,350           | 15,127           | 14,099          | 29,226          | 15,147                      | 14,495          | 29,642          |
| Nandurbar                | 31,426                         | 13,319          | 44,745           | 29,798           | 11,886          | 41,685          | 28,047                      | 11,603          | 39,650          |
| Jalgaon                  | 26,833                         | 30,955          | 57,788           | 25,938           | 28,759          | 54,697          | 24,503                      | 26,830          | 51,333          |
| Ahmednagar               | 18,442                         | 21,074          | 39,516           | 13,554           | 14,562          | 28,116          | 13,554                      | 14,562          | 28,116          |
| Pune Rural               | 9,741                          | 12,987          | 22,728           | 7,786            | 9,491           | 17,277          | 7,748                       | 9,754           | 17,502          |
| Pune city                | 2,151                          | 2,868           | 5,019            | 1,285            | 1,760           | 3,045           | 1,285                       | 1,760           | 3,045           |
| Satara                   | 5,799                          | 7,731           | 13,530           | 5,353            | 7,365           | 12,718          | 5,689                       | 7,264           | 12,953          |
| Sangli                   | 5,997                          | 7,998           | 13,995           | 5,380            | 7,053           | 12,433          | 5,274                       | 7,021           | 12,295          |
| Solapur Rural            | 12,478                         | 16,629          | 29,107           | 8,968            | 12,129          | 21,097          | 9,255                       | 11,123          | 20,378          |
| Solapur City             | 1,317                          | 1,752           | 3,069            | 715              | 1,058           | 1,773           | 780                         | 1,058           | 1,838           |
| Kolhapur                 | 10,140                         | 13,524          | 23,664           | 9,228            | 12,306          | 21,534          | 9,229                       | 12,334          | 21,563          |
| Aurangabad               | 12,905                         | 16,711          | 29,616           | 10,904           | 13,753          | 24,657          | 10,275                      | 13,254          | 23,529          |
| Jalna                    | 8,059                          | 10,428          | 18,487           | 5,755            | 7,900           | 13,656          | 5,540                       | 7,397           | 12,937          |
| Parbhani                 | 8,355                          | 10,819          | 19,174           | 6,621            | 8,988           | 15,609          | 5,788                       | 8,455           | 14,243          |
| Hingoli                  | 6,012                          | 7,787           | 13,799           | 5,648            | 7,365           | 13,013          | 5,304                       | 6,966           | 12,270          |
| Beed                     | 7,758                          | 10,050          | 17,808           | 7,112            | 9,248           | 16,360          | 7,041                       | 9,183           | 16,224          |
| Nanded                   | 15,084                         | 19,544          | 34,628           | 12,170           | 16,062          | 28,232          | 11,211                      | 14,685          | 25,896          |
| Osmanabad                | 7,245                          | 9,386           | 16,631           | 5,836            | 7,732           | 13,567          | 5,793                       | 7,691           | 13,483          |
| Latur                    | 7,685                          | 9,953           | 17,638           | 7,548            | 9,095           | 16,644          | 7,347                       | 9,374           | 16,721          |
| Amravati                 | 22,568                         | 28,660          | 51,228           | 22,568           | 27,653          | 50,221          | 22,461                      | 27,579          | 50,040          |
| Akola                    | 3,368                          | 15,493          | 18,861           | 3,369            | 14,441          | 17,810          | 3,285                       | 14,027          | 17,311          |
| Washim                   | 3,349                          | 14,990          | 18,339           | 3,355            | 14,804          | 18,159          | 3,060                       | 14,351          | 17,411          |
| Buldhana                 | 5,317                          | 22,612          | 27,929           | 4,666            | 19,327          | 23,993          | 4,867                       | 18,901          | 23,768          |
| Yavatmal                 | 24,799                         | 30,014          | 54,813           | 22,847           | 27,664          | 50,511          | 21,302                      | 26,495          | 47,797          |
| Nagpur Rural             | 17,076                         | 12,798          | 29,874           | 16,370           | 11,037          | 27,407          | 16,757                      | 12,316          | 29,073          |
| Nagpur City              | 9,477                          | 7,107           | 16,584           | 8,979            | 6,677           | 15,656          | 8,865                       | 6,695           | 15,560          |
| Wardha                   | 10,782                         | 8,088           | 18,870           | 10,138           | 8,088           | 18,226          | 9,676                       | 7,346           | 17,022          |
| Bhandara                 | 22,753                         | 4,397           | 27,150           | 22,476           | 4,656           | 27,132          | 21,960                      | 4,857           | 26,817          |
| Gondia                   | 27,311                         | 5,291           | 32,602           | 26,979           | 5,609           | 32,588          | 26,586                      | 5,516           | 32,102          |
| Chandrapur               | 32,316                         | 24,237          | 56,553           | 32,231           | 24,198          | 56,429          | 31,513                      | 24,068          | 55,582          |
| Gadchiroli               | 33,279                         | 5,550           | 38,829           | 32,546           | 5,548           | 38,094          | 32,806                      | 5,486           | 38,291          |
| <b>Maharashtra State</b> | <b>5,52,237</b>                | <b>4,99,913</b> | <b>10,52,150</b> | <b>5,09,471</b>  | <b>4,43,285</b> | <b>9,52,756</b> | <b>4,98,677</b>             | <b>4,34,178</b> | <b>9,32,855</b> |

Source: Food, Civil Supplies and Consumer Protection Department, GoM

## ANNEXURE 4.15

**ALLOTMENT, OFF-TAKE & DISTRIBUTION OF FOODGRAINS TO FAIR PRICE SHOPS  
DURING 2019-20 upto December UNDER *ANTYODAYA ANNA YOJANA***

(MT)

| District<br>(1)          | Allocation by State Government |                 |                 | Lifting from FCI |                 |                 | Lifting by FPS from godowns |                 |                 |
|--------------------------|--------------------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|
|                          | Rice<br>(2)                    | Wheat<br>(3)    | Total<br>(4)    | Rice<br>(5)      | Wheat<br>(6)    | Total<br>(7)    | Rice<br>(8)                 | Wheat<br>(9)    | Total<br>(10)   |
| Mumbai                   | 3,555                          | 3,006           | 6,561           | 2,492            | 2,075           | 4,566           | 2,425                       | 2,013           | 4,438           |
| Thane                    | 10,542                         | 4,830           | 15,372          | 9,836            | 4,664           | 14,500          | 9,758                       | 4,660           | 14,418          |
| Palghar                  | 21,141                         | 9,693           | 30,834          | 19,521           | 8,915           | 28,435          | 19,557                      | 8,955           | 28,512          |
| Raigad                   | 18,252                         | 7,299           | 25,551          | 18,749           | 7,299           | 26,048          | 17,562                      | 7,299           | 24,861          |
| Ratnagiri                | 9,522                          | 4,365           | 13,887          | 8,046            | 3,667           | 11,713          | 7,527                       | 3,512           | 11,039          |
| Sindhudurg               | 5,373                          | 2,463           | 7,836           | 4,924            | 2,066           | 6,990           | 4,420                       | 2,021           | 6,441           |
| Nashik                   | 18,528                         | 38,676          | 57,204          | 16,181           | 33,782          | 49,963          | 15,785                      | 33,162          | 48,947          |
| Dhule                    | 8,562                          | 15,747          | 24,309          | 7,382            | 14,084          | 21,466          | 7,258                       | 13,437          | 20,695          |
| Nandurbar                | 19,206                         | 14,400          | 33,606          | 17,304           | 13,058          | 30,362          | 11,669                      | 9,114           | 20,784          |
| Jalgaon                  | 14,877                         | 28,518          | 43,395          | 12,327           | 24,794          | 37,121          | 13,614                      | 25,436          | 39,050          |
| Ahmednagar               | 9,588                          | 20,022          | 29,610          | 8,258            | 16,031          | 24,289          | 8,399                       | 17,359          | 25,757          |
| Pune Rural               | 6,354                          | 10,746          | 17,100          | 4,488            | 7,190           | 11,678          | 4,428                       | 7,018           | 11,446          |
| Pune city                | 1,170                          | 1,980           | 3,150           | 981              | 1,574           | 2,555           | 958                         | 1,527           | 2,485           |
| Satara                   | 3,705                          | 6,267           | 9,972           | 3,278            | 5,101           | 8,379           | 3,560                       | 5,377           | 8,937           |
| Sangli                   | 3,819                          | 6,465           | 10,284          | 2,815            | 4,390           | 7,205           | 2,905                       | 4,414           | 7,319           |
| Solapur Rural            | 6,678                          | 11,304          | 17,982          | 5,860            | 8,603           | 14,463          | 5,958                       | 9,537           | 15,495          |
| Solapur City             | 711                            | 1,206           | 1,917           | 550              | 815             | 1,366           | 550                         | 815             | 1,366           |
| Kolhapur                 | 6,384                          | 10,803          | 17,187          | 6,196            | 10,218          | 16,414          | 6,232                       | 10,169          | 16,401          |
| Aurangabad               | 8,904                          | 13,356          | 22,260          | 7,356            | 10,494          | 17,850          | 7,142                       | 10,110          | 17,252          |
| Jalna                    | 5,565                          | 8,349           | 13,914          | 4,607            | 6,812           | 11,418          | 5,076                       | 6,738           | 11,814          |
| Parbhani                 | 5,769                          | 8,655           | 14,424          | 4,585            | 6,859           | 11,443          | 4,488                       | 6,697           | 11,185          |
| Hingoli                  | 4,158                          | 6,237           | 10,395          | 2,998            | 4,249           | 7,247           | 3,189                       | 4,425           | 7,614           |
| Beed                     | 5,361                          | 8,046           | 13,407          | 3,184            | 3,988           | 7,172           | 3,184                       | 3,988           | 7,172           |
| Nanded                   | 10,281                         | 15,423          | 25,704          | 8,758            | 12,869          | 21,628          | 8,758                       | 12,869          | 21,628          |
| Osmanabad                | 5,010                          | 7,512           | 12,522          | 3,768            | 5,191           | 8,959           | 3,796                       | 5,107           | 8,902           |
| Latur                    | 5,310                          | 7,962           | 13,272          | 4,556            | 7,335           | 11,892          | 4,487                       | 7,089           | 11,576          |
| Amravati                 | 21,987                         | 16,488          | 38,475          | 16,377           | 16,587          | 32,964          | 13,413                      | 13,696          | 27,109          |
| Akola                    | 8,115                          | 6,087           | 14,202          | 7,085            | 4,922           | 12,007          | 7,341                       | 5,344           | 12,685          |
| Washim                   | 8,694                          | 6,525           | 15,219          | 6,692            | 3,835           | 10,528          | 7,616                       | 5,549           | 13,164          |
| Buldhana                 | 11,976                         | 8,982           | 20,958          | 8,574            | 8,302           | 16,876          | 6,660                       | 6,800           | 13,460          |
| Yavatmal                 | 23,517                         | 17,640          | 41,157          | 21,591           | 16,113          | 37,704          | 20,133                      | 15,335          | 35,467          |
| Nagpur Rural             | 13,293                         | 9,963           | 23,256          | 12,337           | 9,089           | 21,426          | 13,009                      | 9,698           | 22,707          |
| Nagpur City              | 7,263                          | 5,445           | 12,708          | 7,085            | 5,291           | 12,376          | 7,048                       | 5,291           | 12,339          |
| Wardha                   | 8,154                          | 6,120           | 14,274          | 7,398            | 5,755           | 13,153          | 7,969                       | 5,991           | 13,960          |
| Bhandara                 | 14,766                         | 5,637           | 20,403          | 13,186           | 5,537           | 18,723          | 14,239                      | 5,910           | 20,149          |
| Gondia                   | 18,003                         | 6,873           | 24,876          | 17,437           | 6,672           | 24,109          | 17,277                      | 6,639           | 23,916          |
| Chandrapur               | 24,399                         | 18,306          | 42,705          | 20,218           | 16,272          | 36,490          | 19,339                      | 14,432          | 33,772          |
| Gadchiroli               | 22,290                         | 6,960           | 29,250          | 18,348           | 5,939           | 24,287          | 18,040                      | 5,124           | 23,163          |
| <b>Maharashtra State</b> | <b>4,00,782</b>                | <b>3,88,356</b> | <b>7,89,138</b> | <b>3,45,329</b>  | <b>3,30,435</b> | <b>6,75,764</b> | <b>3,34,767</b>             | <b>3,22,656</b> | <b>6,57,423</b> |

Source: Food, Civil Supplies and Consumer Protection Department, GoM

Note: Totals may not add up due to rounding



## 5 Public Finance







## 5. PUBLIC FINANCE

5.1 The budget is an annual financial statement of the government which includes estimates for the coming year, revised estimates for current year and actuals for the previous year. While preparing the budget, trends of expenditure are identified and funds are allocated considering economic development and social welfare. The fiscal indicators viz. revenue deficit, fiscal deficit, debt stock, etc. should adhere to Fiscal responsibility legislative limits.

### Budget 2019-20

5.2 As per the budget estimate 2019-20, the budgetary deficit is expected to be ₹ 267 crore. During 2019-20 (BE), total receipts and total expenditure are expected to increase by 8.6 per cent & 8.5 per cent respectively over the previous year. Revenue receipts and revenue expenditure are expected to increase by 9.8 per cent and 11.1 per cent respectively over the previous year. Capital receipts are expected to increase by 4.5 per cent and capital expenditure is expected to decrease by 2.7 per cent over the previous year. Important fiscal indicators are given in Table 5.1 and budget at a glance is given in Annexure 5.1.

**Table 5.1 Important fiscal indicators**

| Particulars                             | (₹ Crore)           |                 |                 |
|-----------------------------------------|---------------------|-----------------|-----------------|
|                                         | 2017-18<br>(Actual) | 2018-19<br>(RE) | 2019-20<br>(BE) |
| 1. Revenue Receipts                     | 2,43,654            | 2,86,500        | 3,14,640        |
| <i>As per cent of total receipts</i>    | (85.2)              | (76.9)          | (77.8)          |
| 2. Revenue Expenditure                  | 2,41,571            | 3,01,460        | 3,34,933        |
| <i>As per cent of total expenditure</i> | (84.2)              | (80.8)          | (82.7)          |
| 3. Revenue Deficit (2-1)                | (-)2,082            | 14,960          | 20,293          |
| <i>As per cent of GSDP</i>              | (-)0.1              | 0.6             | 0.7             |
| 4. Capital Receipts                     | 42,458              | 85,992          | 89,887          |
| <i>As per cent of total receipts</i>    | (14.8)              | (23.1)          | (22.2)          |
| 5. Capital Expenditure                  | 45,198              | 71,775          | 69,861          |
| <i>As per cent of total Expenditure</i> | (15.8)              | (19.2)          | (17.3)          |
| 6. Total Receipts (1+4)                 | 2,86,111            | 3,72,492        | 4,04,527        |
| 7. Total Expenditure (2+5)              | 2,86,769            | 3,73,235        | 4,04,794        |
| 8. Budgetary Deficit (7-6)              | 657                 | 743             | 267             |
| 9. Fiscal Deficit                       | 23,961              | 56,053          | 61,670          |
| <i>As per cent of GSDP</i>              | 1.0                 | 2.1             | 2.1             |
| 10. Primary Deficit                     | (-)9,057            | 22,124          | 26,463          |
| <i>As per cent of GSDP</i>              | (-)0.4              | 0.8             | 0.9             |

RE Revised Estimates

BE Budget Estimates

Note : Figures may not add up to totals due to rounding

Source : Finance Department, GoM

### Revenue Receipts

5.3 Revenue receipts consist of revenue from the State's own resources and Grants-in-aid & share in taxes devolved by the GoI. Revenue receipts are expected to be ₹ 3,14,640 crore during 2019-20 (BE) (10.9 per cent of GSDP) with share of 77.8 per cent in the total receipts. Expected revenue for the State through its own resources i.e. Own Tax Revenue (OTR), interest receipts and other non-tax revenue is ₹ 2,27,631 crore (share of 72.3 per cent). The tax revenue is expected to increase by 11.5 per cent over the previous year, due to expected increase of 11.6 per cent in Own Tax Revenue (OTR) and 10.9 per cent increase in the share of central taxes. Total non-tax revenue is expected to decrease by 1.4 per cent over the previous year. Grants-in-aid and share in taxes devolved by the GoI are expected to be ₹ 87,009 crore. Revenue receipts are given in Table 5.2.

**Table 5.2 Revenue receipts**

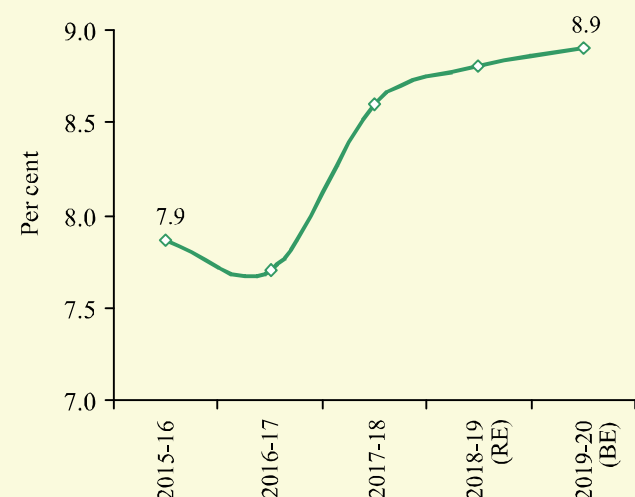
(₹ Crore)

| Year         | Tax revenue     |                        |          | Non-tax revenue   |                       |        | Central grants | Total revenue receipts |
|--------------|-----------------|------------------------|----------|-------------------|-----------------------|--------|----------------|------------------------|
|              | Own Tax Revenue | Share in central taxes | Total    | Interest receipts | Other non-tax revenue | Total  |                |                        |
| 2015-16      | 1,26,628        | 28,086                 | 1,54,714 | 3,079             | 10,344                | 13,423 | 16,899         | 1,85,036               |
| 2016-17      | 1,36,616        | 33,715                 | 1,70,331 | 3,259             | 9,450                 | 12,709 | 21,653         | 2,04,693               |
| 2017-18      | 1,67,948        | 37,203                 | 2,05,151 | 4,163             | 12,517                | 16,680 | 21,823         | 2,43,654               |
| 2018-19 (RE) | 1,88,931        | 42,050                 | 2,30,982 | 2,901             | 14,149                | 17,050 | 38,468         | 2,86,500               |
| 2019-20 (BE) | 2,10,824        | 46,631                 | 2,57,455 | 2,600             | 14,207                | 16,807 | 40,378         | 3,14,640               |

Source : Finance Department, GoM

Note : Figures may not add up to totals due to rounding

5.3.1 The State's OTR is the major component of the tax revenue of the State. During 2019-20 (BE) expected share of OTR in tax revenue and revenue receipts is 81.9 per cent and 67.0 per cent respectively. Expected share of State Goods & Services Tax (SGST), major contributor to OTR is 48.7 per cent followed by Sales Tax and Stamp & Registration Fees with expected share of 17.6 per cent and 12.8 per cent respectively. Revenue from SGST is expected to increase by 14.0 per cent over the previous year. Componentwise OTR is given in Table 5.3. Revenue received from SGST of selected states for 2018-19 (RE) is given in Table 5.4 and OTR of selected states for 2018-19 (RE) is given in Table 5.5.

**Graph 5.1: Tax revenue to GSDP****Table 5.3 Componentwise OTR**

(₹ Crore)

| Item                                              | 2015-16         | 2016-17         | 2017-18         | 2018-19 (RE)    | 2019-20 (BE)    |
|---------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1. Sales Tax                                      | 69,661          | 81,174          | 54,894          | 35,301          | 37,066          |
| 2. State Goods & Service Tax                      | NA              | NA              | 50,063          | 90,140          | 1,02,760        |
| 3. Stamps & Registration Fees                     | 21,767          | 21,012          | 26,442          | 25,000          | 27,000          |
| 4. State Excise Duties                            | 12,470          | 12,288          | 13,450          | 15,343          | 17,477          |
| 5. Taxes & Duties on Electricity                  | 8,506           | 6,670           | 7,345           | 8,700           | 9,570           |
| 6. Other Taxes on Income & Expenditure            | 2,193           | 2,312           | 2,205           | 2,200           | 2,200           |
| 7. Taxes on Vehicles                              | 6,017           | 6,741           | 8,665           | 7,999           | 8,249           |
| 8. Other Taxes & Duties on Commodities & Services | 2,684           | 2,743           | 1,590           | 1,315           | 1,381           |
| 9. Tax on Goods & Passengers                      | 1,582           | 1,877           | 984             | 1,432           | 1,600           |
| 10. Land Revenue                                  | 1,748           | 1,799           | 2,310           | 1,500           | 3,520           |
| 11. Tax on Agricultural Income                    | Neg.            | 0               | Neg.            | 0               | 0               |
| <b>Total</b>                                      | <b>1,26,628</b> | <b>1,36,616</b> | <b>1,67,948</b> | <b>1,88,931</b> | <b>2,10,824</b> |

Note : Figures may not add up to totals due to rounding

NA Not applicable

Neg. Negligible

Source : Finance Department, GoM

**Table 5.4 Revenue received from SGST of selected states for 2018-19 (RE)**

| (₹ Crore)          |               |
|--------------------|---------------|
| State              | SGST          |
| Andhra Pradesh     | 21,257        |
| Gujarat            | 36,203        |
| Karnataka          | 42,640        |
| Kerala             | 23,967        |
| Madhya Pradesh     | 20,108        |
| <b>Maharashtra</b> | <b>90,140</b> |
| Rajasthan          | 23,500        |
| Tamil Nadu         | 41,387        |
| Telangana          | 22,265        |
| Uttar Pradesh      | 57,796        |

Source: Reserve Bank of India

**Table 5.5 OTR of selected states for 2018-19 (RE)**

| (₹ Crore)          |                 |                     |
|--------------------|-----------------|---------------------|
| State              | OTR             | As per cent of GSDP |
| Andhra Pradesh     | 58,695          | 6.3                 |
| Gujarat            | 83,353          | 5.6                 |
| Karnataka          | 96,502          | 6.9                 |
| Kerala             | 54,256          | 7.0                 |
| Madhya Pradesh     | 52,771          | 6.5                 |
| <b>Maharashtra</b> | <b>1,88,931</b> | <b>7.1</b>          |
| Rajasthan          | 61,907          | 6.7                 |
| Tamil Nadu         | 1,10,178        | 6.6                 |
| Telangana          | 66,250          | 7.7                 |
| Uttar Pradesh      | 1,38,071        | 9.4                 |

Source : Reserve Bank of India

5.3.2 State's Non-Tax Revenue comprises of interest receipts, dividends & profits and other non-tax receipts. State's Non-Tax Revenue is expected to be ₹ 16,807 crore with share of 5.3 per cent in revenue receipts during 2019-20 (BE). Interest receipts are expected to decrease by 10.4 per cent whereas other non-tax revenue including dividends & profits are expected to increase by 0.4 per cent over the previous year.

5.3.3 Apart from State's OTR, tax revenue consists of share in central taxes. The State is expected to receive ₹ 46,631 crore as a share in central taxes during 2019-20 (BE) with 10.9 per cent expected increase over the previous year. The share of Corporation Tax in central taxes is expected to be 32.4 per cent followed by Central Goods & Services Tax (CGST) with expected share of 30.3 per cent. Revenue receipts and revenue expenditure of selected states for 2018-19 (RE) are given in Table 5.6.

**Table 5.6 Revenue receipts and revenue expenditure of selected states for 2018-19 (RE)**

| (₹ Crore)          |                  |                  |                     |                  |
|--------------------|------------------|------------------|---------------------|------------------|
| State              | Revenue receipts | Per cent to GSDP | Revenue expenditure | Per cent to GSDP |
| Andhra Pradesh     | 1,14,684         | 12.3             | 1,26,339            | 13.5             |
| Gujarat            | 1,40,532         | 9.4              | 1,39,153            | 9.3              |
| Karnataka          | 1,65,897         | 11.8             | 1,65,703            | 11.8             |
| Kerala             | 1,00,007         | 12.9             | 1,13,034            | 14.5             |
| Madhya Pradesh     | 1,51,160         | 18.7             | 1,51,022            | 18.7             |
| <b>Maharashtra</b> | <b>2,86,500</b>  | <b>10.8</b>      | <b>3,01,460</b>     | <b>11.3</b>      |
| Rajasthan          | 1,48,184         | 15.9             | 1,73,009            | 18.6             |
| Tamil Nadu         | 1,80,619         | 10.9             | 1,99,938            | 12.0             |
| Telangana          | 1,19,099         | 13.8             | 1,19,027            | 13.7             |
| Uttar Pradesh      | 3,80,022         | 25.7             | 3,32,774            | 22.5             |

Source : Reserve Bank of India

5.3.4 Central grants, component of revenue receipts (share of 12.8 per cent) is expected to increase by five per cent during 2019-20 (BE) over the previous year. Transfer of financial resources from GoI to State are expected to increase by 7.7 per cent over the previous year. Details of transfer of financial resources from GoI to State is given in Table 5.7.

**Table 5.7 Transfer of financial resources from GoI to State**

| (₹ Crore)              |               |               |               |               |               |
|------------------------|---------------|---------------|---------------|---------------|---------------|
| Particulars            | 2015-16       | 2016-17       | 2017-18       | 2018-19 (RE)  | 2019-20 (BE)  |
| Share in central taxes | 28,086        | 33,715        | 37,203        | 42,050        | 46,631        |
| Central grants         | 16,899        | 21,653        | 21,823        | 38,468        | 40,378        |
| Loans and advances     | 584           | 627           | 168           | 873           | 637           |
| <b>Total</b>           | <b>45,569</b> | <b>55,995</b> | <b>59,194</b> | <b>81,391</b> | <b>87,646</b> |

Source: Finance Department, GoM

5.4 During 2019-20 upto December, total actual revenue receipts was 68.1 per cent of 2019-20 (BE). Of which tax revenue was 77.6 per cent. Revenue received from SGST by the end of December, 2019 was ₹ 60,473 crore (58.8 per cent of budget estimates). Actual revenue receipts during 2019-20 upto December are given in Table 5.8.

### Grants-in-aid as per 14<sup>th</sup> FC recommendations

5.5 The 14<sup>th</sup> Finance Commission (FC) has recommended 42 per cent proportion of taxes devolved to all states. Accordingly, State's share in devoluble amount (excluding service tax) from central taxes has increased from 5.199 per cent to 5.521 per cent and the share of service tax has increased from 5.281 per cent to 5.674 per cent.

5.5.1 As per the 14<sup>th</sup> FC recommendations, the State receives basic grants to performance grants in the ratio 90:10 for rural local bodies and 80:20 for urban local bodies respectively. The 14<sup>th</sup>

FC has also recommended State Disaster Response Fund (SDRF). GoI issued guidelines accordingly and the ratio of Centre and State's contribution to SDRF is 75:25 for general category states. Grants-in-aid received and expenditure incurred under 14<sup>th</sup> FC is given in Table 5.9.

### The 15<sup>th</sup> FC

5.6 The GoI constituted 15<sup>th</sup> FC in November, 2017. Responsibility of making recommendations regarding devolution of taxes, principles which should govern the grants-in-aid to states and fiscal discipline efforts is under the purview of 15<sup>th</sup> FC. The GoI asked Commission to consider impact of the GST on the finances of the Centre and states including payment of compensation, abolition of a number of cesses, etc. The GoI has extended the term of 15<sup>th</sup> FC by one year upto 2025-26.

5.6.1 As per the 15<sup>th</sup> FC's recommendations proportion of central pool of taxes devolved to states decreased to 41 per cent (42 per cent as per 14<sup>th</sup> FC) for 2020-21. Accordingly, State's share in devoluble amount from central taxes has increased from 5.521 per cent to 6.135 per cent for 2020-21.

**Table 5.8 Actual revenue receipts during 2019-20 upto December**

| (₹ Crore)                                         |                      |                      |
|---------------------------------------------------|----------------------|----------------------|
| Item                                              | Actual receipts      |                      |
|                                                   | 2018-19 <sup>+</sup> | 2019-20 <sup>+</sup> |
| <b>A) Tax Revenue (1 + 2)</b>                     | <b>1,61,688</b>      | <b>1,66,335</b>      |
| 1) Own Tax Revenue ( i to x)                      | 1,34,889             | 1,39,935             |
| i) Value Added Tax (VAT)                          | 26,977               | 28,658               |
| ii) SGST                                          | 60,487               | 60,473               |
| iii) Stamps & registration fees                   | 20,670               | 21,703               |
| iv) State excise duty                             | 10,545               | 11,555               |
| v) Taxes & duties on electricity                  | 6,107                | 6,945                |
| vi) Land revenue                                  | 850                  | 1,493                |
| vii) Taxes on vehicles                            | 6,496                | 6,269                |
| viii) Other taxes on income & expenditure         | 1,662                | 1,751                |
| ix) Taxes on goods & passengers                   | 213                  | 468                  |
| x) Other taxes & duties on commodities & services | 882                  | 620                  |
| 2) Share in central taxes                         | 26,799               | 26,400               |
| <b>B) Non-Tax Revenue ( i + ii)</b>               | <b>28,307</b>        | <b>48,041</b>        |
| i) Non-tax revenue (excluding central grants)     | 8,762                | 9,278                |
| ii) Grants-in-aid from GoI                        | 19,545               | 38,763               |
| <b>Total ( A+B )</b>                              | <b>1,89,995</b>      | <b>2,14,376</b>      |

Source : Office of Accountant General, Maharashtra + upto December

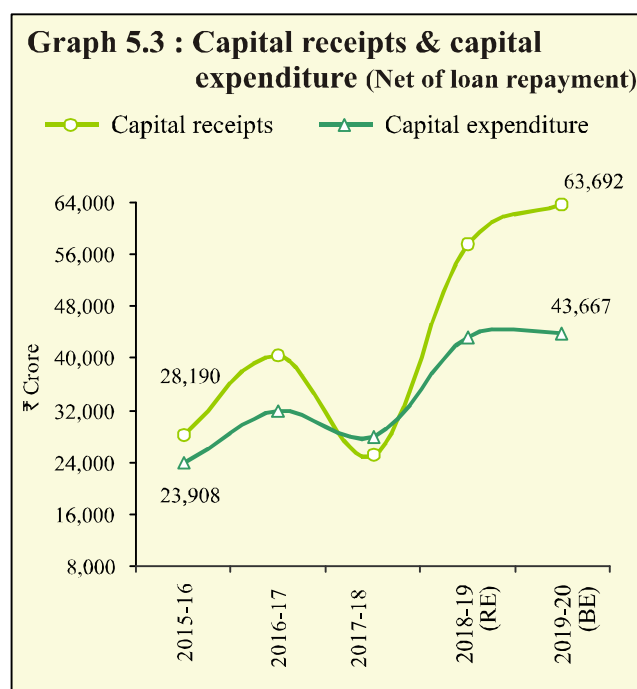
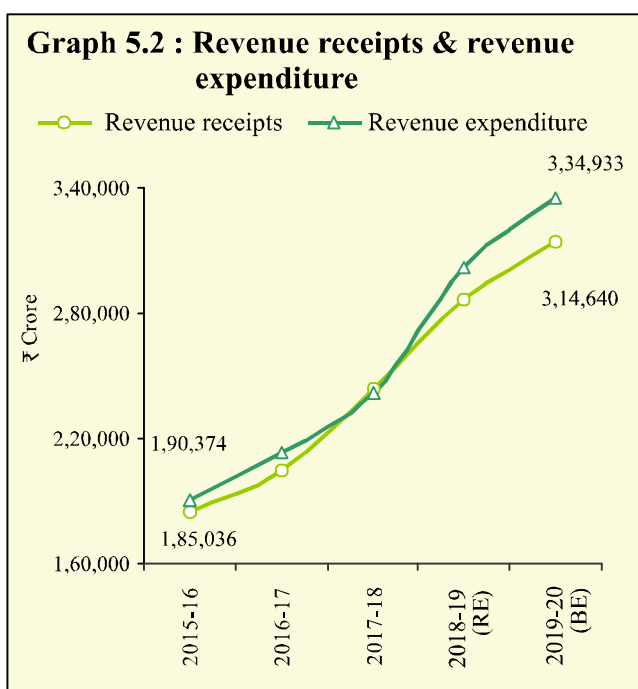
**Table 5.9 Grants-in-aid received and expenditure incurred under 14<sup>th</sup> FC**

(₹ Crore)

| Particulars                                          | Expenditure incurred |              |              |              | 2019-20      |                    |
|------------------------------------------------------|----------------------|--------------|--------------|--------------|--------------|--------------------|
|                                                      | 2015-16              | 2016-17      | 2017-18      | 2018-19      | Received     | Expenditure        |
| <b>1. Panchayat Raj Institutions</b>                 |                      |              |              |              |              |                    |
| a. Basic grants                                      | 1,623                | 2,248        | 2,597        | 3,004        | 4,060        | 4,060              |
| b. Performance grants                                | Nil                  | 295          | 0            | 0            | 0            | 0                  |
| <b>Total (a+b)</b>                                   | <b>1,623</b>         | <b>2,543</b> | <b>2,597</b> | <b>3,004</b> | <b>4,060</b> | <b>4,060</b>       |
| <b>2. Urban local bodies</b>                         |                      |              |              |              |              |                    |
| a. Basic grants                                      | 1,191                | 1,649        | 1,906        | 2,205        | 2,979        | 2,979              |
| b. Performance grants                                | Nil                  | 487          | 551          | 0            | 0            | 0                  |
| <b>Total (a+b)</b>                                   | <b>1,191</b>         | <b>2,136</b> | <b>2,457</b> | <b>2,205</b> | <b>2,979</b> | <b>2,979</b>       |
| <b>3. State Disaster Relief Fund (Central share)</b> | 1,112                | 1,168        | 1,226        | 1,288        | 1,352        | 1,276 <sup>+</sup> |

Source: Finance Department, GoM

+ upto December



## Revenue Expenditure

5.7 Revenue expenditure consists of development expenditure and non-development expenditure. Development expenditure comprises of expenditure incurred on social, economic services and grants-in-aid & contributions to local bodies & *Panchayat Raj* Institutions. The average share of development expenditure in revenue expenditure during last five years is 67.8 per cent and is expected to be 68.0 per cent during 2019-20 (BE). Development expenditure is expected to increase by 6.9 per cent over the previous year during 2019-20 (BE). Social services is a major component of development expenditure with expected share of 65.2 per cent followed by economic services with expected share of 25.1 per cent during 2019-20 (BE). The expenditure on social services is expected to increase by 14.8 per cent and that of economic services is expected to decrease by 9.3 per cent respectively over the previous year. Revenue expenditure by type is given in Table 5.10.

**Table 5.10 Revenue expenditure by type**

| Year         | Development expenditure<br>(₹ Crore) | Non-development expenditure<br>(₹ Crore) | Total revenue expenditure<br>(₹ Crore) | Per capita development expenditure<br>(₹) | Per capita revenue expenditure<br>(₹) |
|--------------|--------------------------------------|------------------------------------------|----------------------------------------|-------------------------------------------|---------------------------------------|
| 2015-16      | 1,26,004                             | 64,370                                   | 1,90,374                               | 10,661                                    | 16,107                                |
| 2016-17      | 1,41,619                             | 71,610                                   | 2,13,229                               | 11,862                                    | 17,859                                |
| 2017-18      | 1,63,036                             | 78,535                                   | 2,41,571                               | 13,526                                    | 20,042                                |
| 2018-19 (RE) | 2,13,201                             | 88,259                                   | 3,01,460                               | 17,522                                    | 24,775                                |
| 2019-20 (BE) | 2,27,886                             | 1,07,047                                 | 3,34,933                               | 18,555                                    | 27,270                                |

Source : Finance Department, GoM

5.7.1 The total revenue expenditure of the State during 2019-20 upto December was ₹ 2,04,652 crore (61.1 per cent of 2019-20 (BE)). Development expenditure incurred was ₹ 1,34,759 crore (59.1 per cent of 2019-20 (BE)). Of the total development expenditure, expenditure incurred on social services was ₹ 87,849 crore (59.1 per cent of 2019-20 (BE)) and expenditure incurred on economic services was ₹ 31,422 crore (55.0 per cent of 2019-20 (BE)).

5.7.2 During 2019-20 (BE), of the total expected development expenditure on social services, share of General Education is expected to be 45.3 per cent, followed by Welfare of Scheduled Caste, Scheduled Tribes, Other Backward Classes & Minorities with 12.0 per cent, Urban Development with 9.7 per cent and Medical services & Public Health with expected share of 9.2 per cent. Expected share of expenditure on Agriculture & Allied Activities is highest (28.3 per cent) in expenditure on economic services.

5.7.3 Revenue expenditure is expected to increase by 11.1 per cent during 2019-20 (BE) over the previous year. Expenditure on salary & wages is expected to increase by 30.0 per cent over the previous year which is mainly due to implementation of Seventh Pay Commission recommendations. The committed expenditure on salary, pension and interest payments is expected to be 55.8 per cent in total revenue expenditure and is expected to increase by 24.4 per cent over the previous year. The share of salary & wages and pension payments in revenue expenditure is expected to increase to 45.3 per cent as compared to 38.5 per cent during 2018-19 (RE). Share of interest payments in revenue expenditure is expected to decrease marginally from 11.3 per cent (2018-19(RE)) to 10.5 per cent during 2019-20 (BE). Componentwise revenue expenditure is given in Table 5.11 and its details are given in Annexure 5.3.

**Table 5.11 Componentwise revenue expenditure**

| Year         | Salary & wages     | Pension          | Interest         | Subsidy          | Grants-in-aid (non-salary) | Other            | Total revenue expenditure |
|--------------|--------------------|------------------|------------------|------------------|----------------------------|------------------|---------------------------|
| 2015-16      | 68,451<br>(36.0)   | 18,643<br>(9.8)  | 25,771<br>(13.5) | 17,983<br>(9.4)  | 37,678<br>(19.8)           | 21,848<br>(11.5) | 1,90,374<br>(100.0)       |
| 2016-17      | 72,075<br>(33.8)   | 21,760<br>(10.2) | 28,532<br>(13.4) | 20,984<br>(9.8)  | 43,412<br>(20.4)           | 26,466<br>(12.4) | 2,13,229<br>(100.0)       |
| 2017-18      | 75,088<br>(31.1)   | 23,853<br>(9.9)  | 33,018<br>(13.7) | 33,894<br>(14.0) | 52,606<br>(21.8)           | 23,112<br>(9.6)  | 2,41,571<br>(100.0)       |
| 2018-19 (RE) | 88,630<br>(29.4)   | 27,567<br>(9.1)  | 33,929<br>(11.3) | 32,789<br>(10.9) | 84,934<br>(28.2)           | 33,611<br>(11.1) | 3,01,460<br>(100.0)       |
| 2019-20 (BE) | 1,15,241<br>(34.4) | 36,368<br>(10.9) | 35,207<br>(10.5) | 22,136<br>(6.6)  | 89,215<br>(26.6)           | 36,766<br>(11.0) | 3,34,933<br>(100.0)       |

Source : Finance Department, GoM

Note : Figures in bracket show percentage to total revenue expenditure



## Subsidies

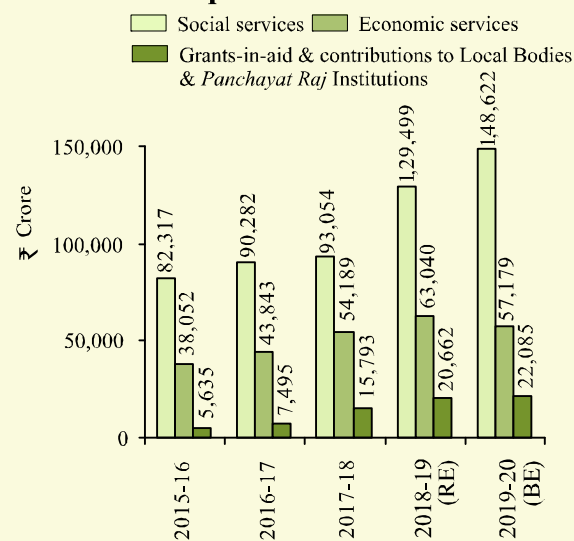
5.8 The subsidies given during 2018-19 (RE) were ₹ 32,789 crore and are expected to be ₹ 22,136 crore during 2019-20 (BE). Share of subsidies is expected to decrease to 6.6 per cent in revenue expenditure during 2019-20 (BE). Major subsidies during 2019-20 (BE) are given in Table 5.12.

**Table 5.12 Major subsidies during 2019-20 (BE)**

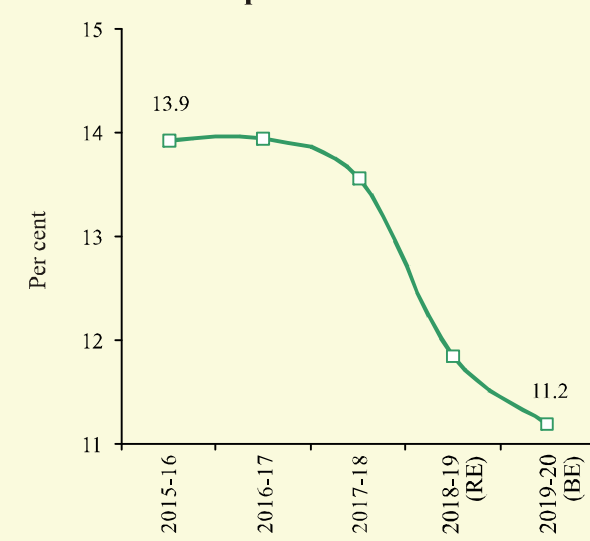
| Particulars                                                                                                                                                                                           | Amount<br>(₹ Crore) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Compensation to Maharashtra State Electricity Distribution Company (MSEDCL) Ltd. for subsidised tariffs to agriculture and powerlooms                                                                 | 5,210               |
| Incentives under package scheme of incentives to industrial units                                                                                                                                     | 2,650               |
| For Foodgrain distribution and related schemes like <i>Antyodaya Anna Yojana</i> , <i>Annapurna Scheme</i> , etc.                                                                                     | 2,226               |
| Premium subsidy under <i>Pradhanmantri Fasal Bima Yojana</i> (State share)                                                                                                                            | 1,654               |
| Compensation in order to recoup losses of Maharashtra State Road Transport Corporation for providing concessional fares to senior citizens, students, freedom fighters, etc. categories of passengers | 1,450               |

Source: Finance Department, GoM

**Graph 5.4 : Components of development expenditure**



**Graph 5.5 : Interest payments to revenue receipts**



5.9 The State budget data is classified into significant economic categories and analysed as per guidelines given by National Statistical Office (NSO), GoI. Analysis of the State budget helps to study changes in government final consumption expenditure, expenditure on capital formation, etc. Details of government final consumption expenditure and capital formation are given in Annexure 5.5.

## Capital Receipts and Capital Expenditure

5.10 The capital receipts include recovery of loans, other receipts such as inter-state settlement, contingency fund & its appropriation and borrowings & other liabilities. The borrowings and other liabilities are net receipts from (i) internal debt of the State, (ii) loans & advances from GoI and (iii) net receipts from public account. Of the total capital receipts, expected internal debt is

₹ 76,559 crore (share of 85.2 per cent) during 2019-20 (BE), of which expected open market borrowings are ₹ 66,000 crore with share of 86.2 per cent in internal debt.

5.11 The share of capital expenditure in the total expenditure is expected to be 17.3 per cent and is expected to decrease by 2.7 per cent during 2019-20 (BE) over the previous year. Expected share of expenditure on capital account in capital expenditure is maximum (59.6 per cent). Out of total capital expenditure, internal debt expected to be used for repayment is ₹ 24,962 crore. Capital receipts and capital expenditure are given in Table 5.13.

**Table 5.13 Capital receipts and capital expenditure**

(₹ Crore)

| Year         | Capital receipts |                        | Capital expenditure |                 |                          |
|--------------|------------------|------------------------|---------------------|-----------------|--------------------------|
|              | Total            | Of which internal debt | Total               | Of which        |                          |
|              |                  |                        |                     | Capital account | Repayment of public debt |
| 2015-16      | 38,233           | 37,392                 | 34,913              | 22,793          | 11,005                   |
| 2016-17      | 52,300           | 47,710                 | 43,693              | 25,529          | 11,887                   |
| 2017-18      | 42,458           | 49,502                 | 45,198              | 26,842          | 17,376                   |
| 2018-19 (RE) | 85,992           | 33,190                 | 71,775              | 41,573          | 28,436                   |
| 2019-20 (BE) | 89,887           | 76,559                 | 69,861              | 41,659          | 26,195                   |

Source : Finance Department, GoM

## Deficit Trends

5.12 Over the years, as a result of prudent fiscal management by the State, one of the major indicators i.e. fiscal deficit as per cent of GSDP remained below the limits (three per cent of GSDP) laid down by the Maharashtra Fiscal Responsibility & Budgetary Management (MFRBM) Rules, 2006 for the State. The limits under consolidated fiscal reform path for the states laid down by 14<sup>th</sup> FC for the period 2015-16 to 2019-20 are given in Table 5.14.

5.12.1 The limit set by the Medium Term Fiscal Policy Statement 2019-20 for the State for fiscal deficit as per cent of GSDP for 2019-20(BE) is 2.07 per cent and the expected fiscal deficit is 2.1 per cent of GSDP (base year 2011-12). The fiscal deficit in selected states is given in Table 5.15.

**Table 5.14 Limits under consolidated fiscal reform path for the states**

(per cent of GDP)

| Year    | Fiscal limits  |            |
|---------|----------------|------------|
|         | Fiscal deficit | Debt Stock |
| 2015-16 | 2.8            | 21.9       |
| 2016-17 | 2.8            | 22.1       |
| 2017-18 | 2.8            | 22.2       |
| 2018-19 | 2.7            | 22.3       |
| 2019-20 | 2.7            | 22.4       |

Source : 14<sup>th</sup> FC report, GoI

**Table 5.15 Fiscal deficit in selected states**

As per cent of GSDP (2018-19 (RE))

| State                         | Fiscal deficit |
|-------------------------------|----------------|
| Andhra Pradesh                | 3.6            |
| Gujarat                       | 2.1            |
| Karnataka                     | 2.9            |
| Kerala                        | 3.0            |
| Madhya Pradesh                | 3.5            |
| <b>Maharashtra</b>            | <b>2.1</b>     |
| Rajasthan                     | 3.4            |
| Tamil Nadu                    | 2.7            |
| Telangana                     | 3.3            |
| Uttar Pradesh                 | 3.0            |
| <b>All states<sup>#</sup></b> | <b>2.9</b>     |

Source : Reserve Bank of India

<sup>#</sup> As per cent of GDP



## Debt Position

5.13 The liabilities (debt stock) of the State comprise of accumulated unpaid loans and other liabilities on the State. The debt stock of the State is expected to be ₹ 4,71,642 crore as per 2019-20 (BE), which is 16.4 per cent of GSDP, well within the limit (24.4 per cent of GSDP) recommended by the 14<sup>th</sup> FC for the State. Debt stock and interest payments are given in Table 5.16.

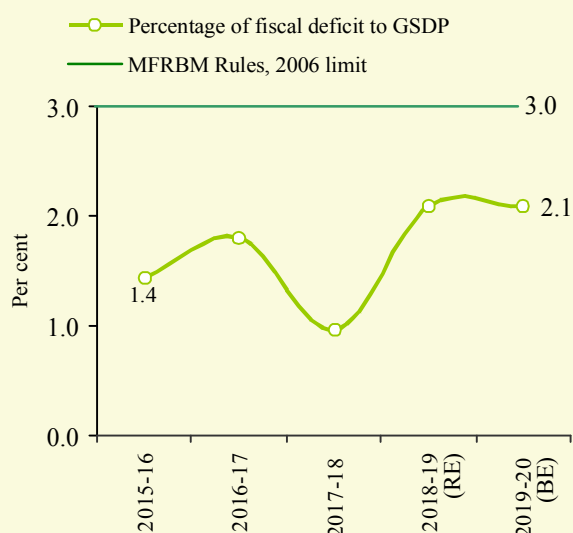
5.13.1 Internal debt of the State is expected to reach to ₹ 3,84,620 crore (81.6 per cent of debt stock) as per 2019-20 (BE), of which open market borrowings are expected to be ₹ 3,11,076 crore.

**Table 5.16 Debt stock and interest payments**

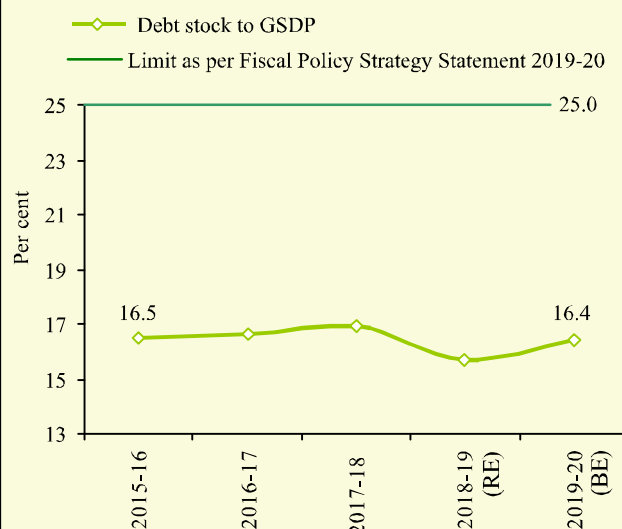
| (₹ Crore)    |            |                   |
|--------------|------------|-------------------|
| Year         | Debt stock | Interest payments |
| 2015-16      | 3,24,202   | 25,771            |
| 2016-17      | 3,64,819   | 28,532            |
| 2017-18      | 4,02,421   | 33,018            |
| 2018-19 (RE) | 4,14,411   | 33,929            |
| 2019-20 (BE) | 4,71,642   | 35,207            |

Source: Finance Department, GoM

**Graph 5.6 : Fiscal deficit to GSDP**



**Graph 5.7 : Debt Stock to GSDP**



## Annual scheme 2019-20

5.14 Total fund proposed for annual scheme 2019-20 is ₹ 99,000 crore as against ₹ 95,000 crore proposed for annual scheme 2018-19, of which the share of district schemes is ₹ 13,977 crore. During 2019-20, proposed fund is highest for Social & Community Services sector (38.4 per cent). Sectorwise annual scheme expenditure is given in Table 5.17.

**Table 5.17 Sectorwise annual scheme expenditure**

(₹ Crore)

| Sector                            | Annual scheme expenditure incurred |                      | Proposed funds<br>(2019-20) |
|-----------------------------------|------------------------------------|----------------------|-----------------------------|
|                                   | 2017-18                            | 2018-19 <sup>#</sup> |                             |
| Agriculture & Allied Activities   | 23,002<br>(27.4)                   | 19,472<br>(18.1)     | 9,569<br>(9.7)              |
| Rural Development                 | 2,691<br>(3.2)                     | 4,985<br>(4.6)       | 3,680<br>(3.7)              |
| Special Area Development          | 61<br>(0.1)                        | 141<br>(0.1)         | 151<br>(0.2)                |
| Irrigation and Flood Control      | 8,751<br>(10.4)                    | 8,770<br>(8.1)       | 9,566<br>(9.7)              |
| Energy                            | 12,825<br>(15.2)                   | 14,669<br>(13.6)     | 8,219<br>(8.3)              |
| Industry & Minerals               | 319<br>(0.4)                       | 905<br>(0.9)         | 509<br>(0.5)                |
| Transport                         | 7,807<br>(9.3)                     | 12,666<br>(11.7)     | 14,171<br>(14.3)            |
| Communication                     | 0<br>(0.0)                         | 0<br>(0.0)           | 5<br>(0.0)                  |
| Science, Technology & Environment | 35<br>(0.0)                        | 145<br>(0.1)         | 203<br>(0.2)                |
| General Economic Services         | 736<br>(0.9)                       | 990<br>(0.9)         | 954<br>(1.0)                |
| Social & Community Services       | 22,253<br>(26.5)                   | 37,929<br>(35.2)     | 38,054<br>(38.4)            |
| General Services                  | 2,276<br>(2.7)                     | 3,794<br>(3.5)       | 5,190<br>(5.2)              |
| Other Programmes                  | 3,321<br>(3.9)                     | 3,485<br>(3.2)       | 8,729<br>(8.8)              |
| <b>Total</b>                      | <b>84,077</b>                      | <b>1,07,951</b>      | <b>99,000</b>               |

Source: Finance Department, GoM

Note : Figures in bracket show percentage to total

# Anticipated

## Guarantees given by the Government

5.15 Status of outstanding guarantees given by the State at the end of 2017-18 was ₹ 26,658 crore (10.9 per cent of total revenue receipts). The highest outstanding guarantee of 71.9 per cent was given by the Urban Development Department followed by 19.8 per cent by Co-operation, Marketing & Textile Department and 4.3 per cent by Public works Department. Guarantees given by the government during 2017-18 are given in Table 5.18.

**Table 5.18 Guarantees given by the government during 2017-18**

(₹ Crore)

| Name of the department              | Outstanding guarantees at the beginning of the year | Additional guarantees |                                                                                              | Deletion (other than invoked) in the year | Invoked and discharged during the year | Outstanding at the end of the year |
|-------------------------------------|-----------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------|------------------------------------|
|                                     |                                                     | During the year       | Due to loan received on revolving guarantees and amount changed due to revised interest rate |                                           |                                        |                                    |
|                                     | (a)                                                 | (b)                   | (c)                                                                                          | (d)                                       | (e)                                    | (a)+(b)+(c)-(d)-(e)                |
| Social Justice & Special Assistance | 324.32                                              | 0.00                  | 0.18                                                                                         | 56.75                                     | 0.00                                   | 267.75                             |
| Urban development                   | 195.73                                              | 19,016.00             | 0.00                                                                                         | 41.46                                     | 0.00                                   | 19,170.27                          |
| Industry, Energy & Labour (Energy)  | 218.37                                              | 0.00                  | 0.00                                                                                         | 218.24                                    | 0.00                                   | 0.13                               |
| Public works                        | 1,201.43                                            | 0.00                  | 0.00                                                                                         | 44.28                                     | 0.00                                   | 1,157.15                           |
| Tribal development                  | 32.10                                               | 0.00                  | 0.95                                                                                         | 8.42                                      | 0.00                                   | 24.63                              |
| Co-operation, Marketing & Textile   | 4,544.01                                            | 2,060.00              | 326.55                                                                                       | 1,657.99                                  | 0.00                                   | 5,272.57                           |
| Water supply & sanitation           | 521.96                                              | 0.00                  | 0.00                                                                                         | 17.32                                     | 0.00                                   | 504.64                             |
| Minority development                | 38.08                                               | 0.00                  | 5.00                                                                                         | 4.41                                      | 0.00                                   | 38.67                              |
| Planning                            | 83.98                                               | 0.00                  | 0.00                                                                                         | 4.08                                      | 0.00                                   | 79.90                              |
| V.J.N.T., O.B.C. & S.B.C. Welfare   | 145.79                                              | 0.00                  | 1.45                                                                                         | 5.23                                      | 0.00                                   | 142.01                             |
| <b>Total</b>                        | <b>7,305.77</b>                                     | <b>21,076.00</b>      | <b>334.13</b>                                                                                | <b>2,058.18</b>                           | <b>0.00</b>                            | <b>26,657.72</b>                   |

Source: Finance Department, GoM

\* \* \* \* \*

## ANNEXURE 5.1

## BUDGET AT A GLANCE

(₹ Crore)

| Item                                        | 2013-14         | 2014-15         | 2015-16         | 2016-17         | 2017-18          | 2018-19 <sup>#</sup> | 2019-20 <sup>##</sup> |
|---------------------------------------------|-----------------|-----------------|-----------------|-----------------|------------------|----------------------|-----------------------|
| (1)                                         | (2)             | (3)             | (4)             | (5)             | (6)              | (7)                  | (8)                   |
| <b>1. Revenue Receipts (a + b)</b>          | <b>1,49,822</b> | <b>1,65,415</b> | <b>1,85,036</b> | <b>2,04,693</b> | <b>2,43,654</b>  | <b>2,86,500</b>      | <b>3,14,640</b>       |
| a) Tax Revenue                              | 1,25,228        | 1,32,694        | 1,54,714        | 1,70,331        | 2,05,151         | 2,30,982             | 2,57,455              |
| b) Non-Tax Revenue                          | 24,593          | 32,722          | 30,322          | 34,362          | 38,503           | 55,518               | 57,185                |
| <b>2. Revenue Expenditure</b>               | <b>1,54,902</b> | <b>1,77,553</b> | <b>1,90,374</b> | <b>2,13,229</b> | <b>2,41,571</b>  | <b>3,01,460</b>      | <b>3,34,933</b>       |
| <i>of which</i>                             |                 |                 |                 |                 |                  |                      |                       |
| a) Interest Payments                        | 21,207          | 23,965          | 25,771          | 28,532          | 33,018           | 33,929               | 35,207                |
| b) Administrative Services                  | 14,008          | 15,086          | 16,628          | 18,544          | 18,922           | 23,155               | 30,685                |
| c) Pensions & Misc. gen. Services           | 13,163          | 14,407          | 15,468          | 16,999          | 18,716           | 21,123               | 28,091                |
| <b>3. Revenue Deficit (2 - 1)</b>           | <b>5,081</b>    | <b>12,137</b>   | <b>5,338</b>    | <b>8,536</b>    | <b>(-) 2,082</b> | <b>14,960</b>        | <b>20,293</b>         |
| <b>4. Capital Receipts</b>                  | <b>38,928</b>   | <b>45,939</b>   | <b>38,233</b>   | <b>52,300</b>   | <b>42,458</b>    | <b>85,992</b>        | <b>89,887</b>         |
| <b>4.1) Net Capital receipts</b>            | <b>27,513</b>   | <b>30,758</b>   | <b>28,190</b>   | <b>40,413</b>   | <b>25,082</b>    | <b>57,557</b>        | <b>63,692</b>         |
| <i>of which</i>                             |                 |                 |                 |                 |                  |                      |                       |
| a) Recovery of loans                        | 728             | 975             | 865             | 1,746           | 1,778            | 2,246                | 2,290                 |
| b) Other capital receipts                   | 850             | 10              | 17              | 0               | 0                | 0                    | 0                     |
| c) Borrowings & Other Liabilities           | 26,785          | 29,783          | 27,308          | 38,667          | 23,304           | 55,311               | 61,402                |
| <b>5. Capital Expenditure</b>               | <b>33,080</b>   | <b>40,195</b>   | <b>34,913</b>   | <b>43,693</b>   | <b>45,198</b>    | <b>71,775</b>        | <b>69,861</b>         |
| <b>6. Total Receipts (1 + 4)</b>            | <b>1,88,749</b> | <b>2,11,355</b> | <b>2,23,268</b> | <b>2,56,993</b> | <b>2,86,111</b>  | <b>3,72,492</b>      | <b>4,04,527</b>       |
| <b>7. Total Expenditure (2 + 5)</b>         | <b>1,87,982</b> | <b>2,17,748</b> | <b>2,25,287</b> | <b>2,56,922</b> | <b>2,86,769</b>  | <b>3,73,235</b>      | <b>4,04,794</b>       |
| <b>8. Appropriation to Contingency Fund</b> | <b>0</b>        | <b>4,350</b>    | <b>962</b>      | <b>0</b>        | <b>0</b>         | <b>0</b>             | <b>0</b>              |
| <b>9. Budgetary Deficit (7 - 6 - 8)</b>     | <b>(-) 767</b>  | <b>2,043</b>    | <b>1,057</b>    | <b>(-) 71</b>   | <b>657</b>       | <b>743</b>           | <b>267</b>            |
| <b>10. Fiscal Deficit (9 + 4 C)</b>         | <b>26,018</b>   | <b>31,827</b>   | <b>28,364</b>   | <b>38,596</b>   | <b>23,961</b>    | <b>56,053</b>        | <b>61,670</b>         |
| <b>11. Primary Deficit (10-2(a))</b>        | <b>4,811</b>    | <b>7,862</b>    | <b>2,610</b>    | <b>10,064</b>   | <b>(-) 9,057</b> | <b>22,124</b>        | <b>26,463</b>         |

## As per cent of GSDP (base year 2011-12)

|                                                 |             |             |             |             |                |             |             |
|-------------------------------------------------|-------------|-------------|-------------|-------------|----------------|-------------|-------------|
| <b>1. Revenue Receipts (a + b)</b>              | <b>9.1</b>  | <b>9.3</b>  | <b>9.4</b>  | <b>9.3</b>  | <b>10.2</b>    | <b>10.9</b> | <b>10.9</b> |
| a) Tax Revenue                                  | 7.6         | 7.5         | 7.9         | 7.7         | 8.6            | 8.8         | 8.9         |
| b) Non - Tax Revenue                            | 1.5         | 1.8         | 1.5         | 1.6         | 1.6            | 2.1         | 2.0         |
| <b>2. Revenue Expenditure</b>                   | <b>9.4</b>  | <b>10.0</b> | <b>9.7</b>  | <b>9.7</b>  | <b>10.1</b>    | <b>11.5</b> | <b>11.6</b> |
| <i>of which</i>                                 |             |             |             |             |                |             |             |
| a) Interest Payments                            | 1.3         | 1.3         | 1.3         | 1.3         | 1.4            | 1.3         | 1.2         |
| b) Administrative Services                      | 0.8         | 0.8         | 0.8         | 0.8         | 0.8            | 0.9         | 1.1         |
| c) Pensions & Misc. gen. Services               | 0.8         | 0.8         | 0.8         | 0.8         | 0.8            | 0.8         | 1.0         |
| <b>3. Revenue Deficit (2 - 1)</b>               | <b>0.3</b>  | <b>0.7</b>  | <b>0.3</b>  | <b>0.4</b>  | <b>(-) 0.1</b> | <b>0.6</b>  | <b>0.7</b>  |
| <b>4. Capital Receipts</b>                      | <b>2.4</b>  | <b>2.6</b>  | <b>1.9</b>  | <b>2.4</b>  | <b>1.8</b>     | <b>3.3</b>  | <b>3.1</b>  |
| <b>4.1) Net Capital receipts</b>                | <b>1.7</b>  | <b>1.7</b>  | <b>1.4</b>  | <b>1.8</b>  | <b>1.1</b>     | <b>2.2</b>  | <b>2.2</b>  |
| <i>of which</i>                                 |             |             |             |             |                |             |             |
| a) Recovery of loans                            | 0.0         | 0.1         | 0.0         | 0.1         | 0.1            | 0.1         | 0.1         |
| b) Other capital receipts                       | 0.1         | 0.0         | 0.0         | 0.0         | 0.0            | 0.0         | 0.0         |
| c) Borrowings & Other Liabilities               | 1.6         | 1.7         | 1.4         | 1.8         | 1.0            | 2.1         | 2.1         |
| <b>5. Capital Expenditure</b>                   | <b>2.0</b>  | <b>2.3</b>  | <b>1.8</b>  | <b>2.0</b>  | <b>1.9</b>     | <b>2.7</b>  | <b>2.4</b>  |
| <b>6. Total Receipts (1 + 4)</b>                | <b>11.4</b> | <b>11.9</b> | <b>11.4</b> | <b>11.7</b> | <b>12.0</b>    | <b>14.1</b> | <b>14.1</b> |
| <b>7. Total Expenditure (2+5)</b>               | <b>11.4</b> | <b>12.2</b> | <b>11.5</b> | <b>11.7</b> | <b>12.0</b>    | <b>14.1</b> | <b>14.1</b> |
| <b>8. Appropriation to the contingency fund</b> | <b>0.0</b>  | <b>0.2</b>  | <b>0.0</b>  | <b>0.0</b>  | <b>0.0</b>     | <b>0.0</b>  | <b>0.0</b>  |
| <b>9. Budgetary Deficit (7 - 6 - 8)</b>         | <b>0.0</b>  | <b>0.1</b>  | <b>0.1</b>  | <b>0.0</b>  | <b>0.0</b>     | <b>0.0</b>  | <b>0.0</b>  |
| <b>10. Fiscal Deficit (9 + 4 C)</b>             | <b>1.6</b>  | <b>1.8</b>  | <b>1.4</b>  | <b>1.8</b>  | <b>1.0</b>     | <b>2.1</b>  | <b>2.1</b>  |
| <b>11. Primary Deficit (10 - 2(a))</b>          | <b>0.3</b>  | <b>0.4</b>  | <b>0.1</b>  | <b>0.5</b>  | <b>(-) 0.4</b> | <b>0.8</b>  | <b>0.9</b>  |

Source - Finance Department, GoM.

# Revised Estimates

## Budget Estimates

Note - Figures may not add up to totals due to rounding.

## ANNEXURE 5.2

## BUDGET: TRENDS IN RECEIPTS ON REVENUE AND CAPITAL ACCOUNTS

(₹ Crore)

|            | Item                                                             | 2013-14         | 2014-15         | 2015-16         | 2016-17         | 2017-18          | 2018-19 <sup>#</sup> | 2019-20 <sup>##</sup> |
|------------|------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|------------------|----------------------|-----------------------|
|            | (1)                                                              | (2)             | (3)             | (4)             | (5)             | (6)              | (7)                  | (8)                   |
| <b>(A)</b> | <b>Total Revenue Receipts (1+2+3+4)</b>                          | <b>1,49,822</b> | <b>1,65,415</b> | <b>1,85,036</b> | <b>2,04,693</b> | <b>2,43,654</b>  | <b>2,86,500</b>      | <b>3,14,640</b>       |
| <b>(1)</b> | <b>State's own Tax Revenue (1 to 9)</b>                          | <b>1,08,641</b> | <b>1,15,090</b> | <b>1,26,628</b> | <b>1,36,616</b> | <b>1,67,948</b>  | <b>1,88,931</b>      | <b>2,10,824</b>       |
|            | (1) Sales Tax                                                    | 62,530          | 67,466          | 69,661          | 81,174          | 54,894           | 35,301               | 37,066                |
|            | (2) State GST                                                    | --              | --              | --              | --              | 50,063           | 90,140               | 1,02,760              |
|            | (3) Stamps and Registration Fees                                 | 18,676          | 19,959          | 21,767          | 21,012          | 26,442           | 25,000               | 27,000                |
|            | (4) State Excise Duties                                          | 10,101          | 11,397          | 12,470          | 12,288          | 13,450           | 15,343               | 17,477                |
|            | (5) Taxes and Duties on Electricity                              | 6,084           | 4,350           | 8,506           | 6,670           | 7,345            | 8,700                | 9,570                 |
|            | (6) Other Taxes on Income & Expenditure                          | 2,165           | 2,175           | 2,193           | 2,312           | 2,205            | 2,200                | 2,200                 |
|            | (7) Taxes on Vehicles                                            | 5,096           | 5,405           | 6,017           | 6,741           | 8,665            | 7,999                | 8,249                 |
|            | (8) Other Taxes & Duties on Commodities & Services               | 1,659           | 2,478           | 2,684           | 2,743           | 1,590            | 1,315                | 1,381                 |
|            | (9) Tax on Goods and Passengers                                  | 1,241           | 587             | 1,582           | 1,877           | 984              | 1,432                | 1,600                 |
|            | (10) Land Revenue                                                | 1,089           | 1,272           | 1,748           | 1,799           | 2,310            | 1,500                | 3,520                 |
|            | (11) Taxes on Agricultural income                                | 0               | 0               | Neg.            | 0               | Neg.             | 0                    | 0                     |
| <b>(2)</b> | <b>Non-Tax Revenue (1+2)</b>                                     | <b>11,352</b>   | <b>12,580</b>   | <b>13,423</b>   | <b>12,709</b>   | <b>16,680</b>    | <b>17,050</b>        | <b>16,807</b>         |
|            | (1) Interest Receipts                                            | 3,934           | 3,351           | 3,079           | 3,259           | 4,163            | 2,901                | 2,600                 |
|            | (2) Other non-tax revenue                                        | 7,418           | 9,229           | 10,344          | 9,450           | 12,517           | 14,149               | 14,207                |
| <b>(3)</b> | <b>Share in Central Taxes (1 to 6)</b>                           | <b>16,588</b>   | <b>17,604</b>   | <b>28,086</b>   | <b>33,715</b>   | <b>37,203</b>    | <b>42,050</b>        | <b>46,631</b>         |
|            | (1) Taxes on Income other than Corporation Tax                   | 3,673           | 4,390           | 6,145           | 7,499           | 9,616            | 10,803               | 12,688                |
|            | (2) Corporation Tax                                              | 5,578           | 6,147           | 8,835           | 10,790          | 11,388           | 14,692               | 15,101                |
|            | (3) Taxes on Wealth                                              | 15              | 17              | 2               | 25              | Neg.             | Neg.                 | Neg.                  |
|            | (4) Customs                                                      | 2,706           | 2,847           | 4,487           | 4,642           | 3,753            | 2,609                | 2,930                 |
|            | (5) Union Excise Duties                                          | 1,911           | 1,608           | 3,730           | 5,300           | 3,923            | 2,083                | 1,799                 |
|            | (6) Service Tax                                                  | 2,703           | 2,596           | 4,887           | 5,459           | 4,247            | 206                  | 0                     |
|            | (7) Central GST                                                  | --              | --              | --              | --              | 522              | 11,657               | 14,113                |
|            | (8) Integrated GST                                               | --              | --              | --              | --              | 3,754            | 0                    | 0                     |
| <b>(4)</b> | <b>Grants in Aid from Central Government</b>                     | <b>13,241</b>   | <b>20,141</b>   | <b>16,899</b>   | <b>21,653</b>   | <b>21,823</b>    | <b>38,468</b>        | <b>40,378</b>         |
| <b>(B)</b> | <b>Total Capital Receipts (1+2+3+4)</b>                          | <b>38,928</b>   | <b>45,939</b>   | <b>38,233</b>   | <b>52,300</b>   | <b>42,458</b>    | <b>85,992</b>        | <b>89,887</b>         |
| <b>(1)</b> | <b>Receipts from Public Debts (a+b)</b>                          | <b>27,887</b>   | <b>35,726</b>   | <b>37,976</b>   | <b>48,336</b>   | <b>49,669</b>    | <b>34,063</b>        | <b>77,196</b>         |
|            | (a) Internal Debt of the State Govt.                             | 26,923          | 35,184          | 37,392          | 47,710          | 49,502           | 33,190               | 76,559                |
|            | (b) Loans & Advances from Central Govt.                          | 964             | 542             | 584             | 627             | 168              | 873                  | 637                   |
| <b>(2)</b> | <b>Loans &amp; Advances by the State Government (Recoveries)</b> | <b>728</b>      | <b>975</b>      | <b>865</b>      | <b>1,746</b>    | <b>1,778</b>     | <b>2,246</b>         | <b>2,290</b>          |
| <b>(3)</b> | <b>Other Capital Receipts. (net) ‡</b>                           | <b>850</b>      | <b>10</b>       | <b>17</b>       | <b>0</b>        | <b>0</b>         | <b>0</b>             | <b>0</b>              |
| <b>(4)</b> | <b>Public Account (net) (a+b+c+d)</b>                            | <b>9,463</b>    | <b>9,228</b>    | <b>(-) 626</b>  | <b>2,218</b>    | <b>(-) 8,990</b> | <b>49,683</b>        | <b>10,400</b>         |
|            | (a) Small Savings, Provident Funds, etc. (net)                   | 1,894           | 1,260           | 1,209           | 1,124           | 547              | 957                  | 1,194                 |
|            | (b) Reserve Funds (net) (1+2)                                    | (-) 381         | (-) 275         | (-) 321         | 102             | (-) 194          | 3,125                | 3,456                 |
|            | (1) Interest Bearing                                             | (-) 80          | (-) 43          | 9               | 302             | 45               | 3,077                | 3,242                 |
|            | (2) Non-interest Bearing                                         | (-) 301         | (-) 232         | (-) 330         | (-) 200         | (-) 239          | 49                   | 214                   |
|            | (c) Civil Deposits (net) (1+2)                                   | 6,772           | 4,411           | 2,773           | 6,840           | 3,930            | 4,664                | 4,322                 |
|            | (1) Interest Bearing                                             | 4,590           | 3,361           | 1,251           | 3,240           | 4,717            | 2,329                | 1,793                 |
|            | (2) Non-interest Bearing                                         | 2,182           | 1,050           | 1,522           | 3,600           | (-) 787          | 2,335                | 2,529                 |
|            | (d) Others                                                       | 1,178           | 3,832           | (-) 4,287       | (-) 5,849       | (-) 13,272       | 40,937               | 1,429                 |
|            | <b>Total Receipts (A + B)</b>                                    | <b>1,88,749</b> | <b>2,11,354</b> | <b>2,23,268</b> | <b>2,56,993</b> | <b>2,86,111</b>  | <b>3,72,492</b>      | <b>4,04,527</b>       |

Source - Finance Department, GoM.

# Revised Estimates

## Budget Estimates

Neg.- Negligible

‡ It comprises of inter-state settlement (net) appropriations to the contingency fund (net) and contingency fund (net).

Note - Figures may not add up to totals due to rounding.

## ANNEXURE 5.3

## BUDGET: TRENDS IN EXPENDITURE ON REVENUE AND CAPITAL ACCOUNTS

(₹ Crore)

| Item |                                                                                      | 2013-14         | 2014-15         | 2015-16         | 2016-17         | 2017-18         | 2018-19 <sup>#</sup> | 2019-20 <sup>##</sup> |
|------|--------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| (1)  |                                                                                      | (2)             | (3)             | (4)             | (5)             | (6)             | (7)                  | (8)                   |
| (A)  | <b>Revenue Expenditure (1+2)</b>                                                     | <b>1,54,902</b> | <b>1,77,553</b> | <b>1,90,374</b> | <b>2,13,229</b> | <b>2,41,571</b> | <b>3,01,460</b>      | <b>3,34,933</b>       |
| (1)  | <b>Development Expenditure (a+b+c)</b>                                               | <b>1,00,923</b> | <b>1,17,067</b> | <b>1,26,004</b> | <b>1,41,619</b> | <b>1,63,036</b> | <b>2,13,201</b>      | <b>2,27,886</b>       |
|      | <b>(a) Social Services (1 to 8)</b>                                                  | <b>70,879</b>   | <b>76,953</b>   | <b>82,317</b>   | <b>90,282</b>   | <b>93,054</b>   | <b>1,29,499</b>      | <b>1,48,622</b>       |
|      | (1) Education, Sport, Art & Culture                                                  | 38,238          | 39,696          | 42,867          | 45,358          | 48,476          | 56,419               | 71,207                |
|      | (2) Health & Family Welfare                                                          | 6,816           | 8,497           | 9,357           | 10,121          | 11,605          | 14,582               | 14,810                |
|      | (3) Water Supply & Sanitation, Housing and Urban Development                         | 6,952           | 7,429           | 9,573           | 14,868          | 12,214          | 21,542               | 29,439                |
|      | (4) Information & Broadcasting                                                       | 68              | 122             | 83              | 94              | 72              | 167                  | 232                   |
|      | (5) Welfare of SC, ST & OBC                                                          | 7,951           | 8,097           | 8,237           | 9,187           | 12,439          | 15,492               | 17,885                |
|      | (6) Labour and Labour Welfare                                                        | 767             | 895             | 709             | 845             | 834             | 1,216                | 1,442                 |
|      | (7) Social Welfare and Nutrition                                                     | 9,996           | 12,112          | 11,407          | 9,707           | 7,291           | 19,895               | 13,362                |
|      | (8) Others                                                                           | 92              | 105             | 82              | 102             | 123             | 187                  | 246                   |
|      | <b>(b) Economic Services (1 to 9)</b>                                                | <b>27,991</b>   | <b>37,686</b>   | <b>38,052</b>   | <b>43,843</b>   | <b>54,189</b>   | <b>63,040</b>        | <b>57,179</b>         |
|      | (1) Agriculture and Allied activities                                                | 7,821           | 8,567           | 9,660           | 13,245          | 26,130          | 23,468               | 16,179                |
|      | (2) Rural Development                                                                | 3,130           | 6,172           | 5,609           | 7,018           | 6,589           | 13,272               | 16,095                |
|      | (3) Special Area Programme                                                           | 33              | 33              | 1               | (-) 1           | 1               | 1                    | 1                     |
|      | (4) Irrigation and Flood control                                                     | 2,742           | 2,487           | 2,758           | 2,544           | 2,159           | 1,880                | 2,277                 |
|      | (5) Energy                                                                           | 5,726           | 10,891          | 9,404           | 9,611           | 8,946           | 11,655               | 8,411                 |
|      | (6) Industry and Minerals.                                                           | 2,549           | 2,894           | 3,279           | 3,102           | 2,439           | 3,561                | 3,276                 |
|      | (7) Transport and Communication                                                      | 4,729           | 5,556           | 5,541           | 6,106           | 5,461           | 6,053                | 7,124                 |
|      | (8) Science, Technology & Environment                                                | 84              | 77              | 97              | 237             | 225             | 300                  | 456                   |
|      | (9) General Economic Services                                                        | 1,177           | 1,009           | 1,703           | 1,980           | 2,241           | 2,850                | 3,358                 |
|      | <b>(c) Grants-in-Aid &amp; contributions to Local Bodies &amp; P.R. Institutions</b> | <b>2,053</b>    | <b>2,428</b>    | <b>5,635</b>    | <b>7,495</b>    | <b>15,793</b>   | <b>20,662</b>        | <b>22,085</b>         |
| (2)  | <b>Non-Development Expenditure (a+b)</b>                                             | <b>53,979</b>   | <b>60,486</b>   | <b>64,370</b>   | <b>71,610</b>   | <b>78,535</b>   | <b>88,259</b>        | <b>1,07,047</b>       |
|      | <b>(a) General Services (1 to 5)</b>                                                 | <b>31,180</b>   | <b>34,631</b>   | <b>36,378</b>   | <b>40,478</b>   | <b>42,416</b>   | <b>50,530</b>        | <b>67,840</b>         |
|      | (1) Organs of State                                                                  | 1,435           | 2,334           | 1,859           | 1,865           | 1,994           | 2,657                | 5,044                 |
|      | (2) Collection Charges                                                               | 2,371           | 2,590           | 2,424           | 3,070           | 2,784           | 3,594                | 4,019                 |
|      | (3) Administrative Services                                                          | 14,008          | 15,086          | 16,628          | 18,544          | 18,922          | 23,155               | 30,685                |
|      | (4) Pensions and Miscellaneous General Services                                      | 13,163          | 14,407          | 15,468          | 16,999          | 18,726          | 21,123               | 28,091                |
|      | (5) Transfers to Reserve Funds                                                       | 204             | 214             | 0               | 0               | 0               | 0                    | 0                     |
|      | <b>(b) Interest Payments &amp; Debt Services</b>                                     | <b>22,799</b>   | <b>25,855</b>   | <b>27,991</b>   | <b>31,132</b>   | <b>36,118</b>   | <b>37,729</b>        | <b>39,207</b>         |
| (B)  | <b>Capital Expenditure (1+2)</b>                                                     | <b>33,080</b>   | <b>40,194</b>   | <b>34,913</b>   | <b>43,693</b>   | <b>45,198</b>   | <b>71,775</b>        | <b>69,861</b>         |
|      | <b>(1) Development Expenditure (a+b)</b>                                             | <b>21,666</b>   | <b>20,664</b>   | <b>23,908</b>   | <b>31,806</b>   | <b>27,821</b>   | <b>43,339</b>        | <b>43,667</b>         |
|      | (a) Capital Expenditure outside the Revenue Account                                  | 20,020          | 19,523          | 22,793          | 25,529          | 26,842          | 41,573               | 41,659                |
|      | (b) Loans and Advances given by the State Government                                 | 1,645           | 1,141           | 1,115           | 6,277           | 979             | 1,767                | 2,007                 |
|      | <b>(2) Non-Development Expenditure (a+b+c) (Repayment of Public debt)</b>            | <b>11,414</b>   | <b>19,530</b>   | <b>11,005</b>   | <b>11,887</b>   | <b>17,376</b>   | <b>28,436</b>        | <b>26,195</b>         |
|      | (a) Internal Debt of the State Government                                            | 10,543          | 14,294          | 9,138           | 10,917          | 16,428          | 27,193               | 24,962                |
|      | (b) Loans & Advances from Central Govt.                                              | 871             | 886             | 905             | 970             | 949             | 1,242                | 1,233                 |
|      | (c) Appropriation to the Contingency Fund                                            | 0               | 4,350           | 962             | 0               | 0               | 0                    | 0                     |
|      | <b>Total Expenditure (A + B)</b>                                                     | <b>1,87,982</b> | <b>2,17,748</b> | <b>2,25,287</b> | <b>2,56,922</b> | <b>2,86,769</b> | <b>3,73,235</b>      | <b>4,04,794</b>       |

Source - Finance Department, GoM.

# Revised Estimates

## Budget Estimates

Note - Figures may not add up to totals due to rounding.

## ANNEXURE 5.4

## BORROWINGS &amp; OTHER LIABILITIES

(₹ Crore)

| Item                                                         | 2013-14       | 2014-15       | 2015-16          | 2016-17          | 2017-18           | 2018-19 <sup>#</sup> | 2019-20 <sup>##</sup> |
|--------------------------------------------------------------|---------------|---------------|------------------|------------------|-------------------|----------------------|-----------------------|
| (1)                                                          | (2)           | (3)           | (4)              | (5)              | (6)               | (7)                  | (8)                   |
| <b>I Debt Receipts (1+2+3)<br/>(bearing interest)</b>        | <b>22,876</b> | <b>25,124</b> | <b>30,402</b>    | <b>41,116</b>    | <b>37,602</b>     | <b>11,991</b>        | <b>57,231</b>         |
| 1) Internal Debt of the<br>State Government (net)            | 16,379        | 20,890        | 28,254           | 36,792           | 33,074            | 5,997                | 51,597                |
| 2) Loans & Advances<br>from Central<br>Government (net)      | 94            | (-) 344       | (-) 321          | (-) 343          | (-) 781           | (-) 369              | (-) 595               |
| 3) Interest bearing<br>obligations (a + b + c)               | 6,403         | 4,578         | 2,469            | 4,666            | 5,309             | 6,363                | 6,229                 |
| a) Provident Fund (net)                                      | 1,894         | 1,260         | 1,209            | 1,124            | 547               | 957                  | 1,194                 |
| b) Reserve Fund (net)                                        | (-) 80        | (-) 43        | 9                | 302              | 45                | 3,077                | 3,242                 |
| c) Civil Deposits (net)                                      | 4,590         | 3,361         | 1,251            | 3,240            | 4,717             | 2,329                | 1,793                 |
| <b>II Debt Receipts (1+2 )<br/>(Not bearing interest)</b>    | <b>3,909</b>  | <b>4,659</b>  | <b>(-) 3,095</b> | <b>(-) 2,448</b> | <b>(-) 14,298</b> | <b>43,320</b>        | <b>4,171</b>          |
| 1) Net receipts on Public<br>Account <sup>@</sup>            | 3,059         | 4,649         | (-) 3,095        | (-) 2,448        | (-) 14,298        | 43,320               | 4,171                 |
| 2) Other capital receipts<br>(net) <sup>\$</sup>             | 850           | 10            | 0                | 0                | 0                 | 0                    | 0                     |
| <b>Total Borrowings &amp; other<br/>Liabilities (I + II)</b> | <b>26,785</b> | <b>29,783</b> | <b>27,308</b>    | <b>38,667</b>    | <b>23,304</b>     | <b>55,311</b>        | <b>61,402</b>         |

Source - Finance Department, GoM.

# Revised Estimates

## Budget Estimates

<sup>@</sup> Net Receipts on Public Accounts consist of Reserve Funds, Deposits, Suspense & Misc. and Remittances Accounts.<sup>\$</sup> It comprises of the receipts of Inter-State Settlement (net), Appropriation to the Contingency Fund (net) and Contingency Fund (net)

Note - Figures may not add up to totals due to rounding.

## ANNEXURE 5.5

## FINAL CONSUMPTION EXPENDITURE AND EXPENDITURE ON CAPITAL FORMATION OF GOVERNMENT

(₹ Crore)

| Particular                                                | 2013-14       | 2014-15       | 2015-16       | 2016-17       | 2017-18       | 2018-19 <sup>#</sup> | 2019-20 <sup>##</sup> |
|-----------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|----------------------|-----------------------|
| (1)                                                       | (2)           | (3)           | (4)           | (5)           | (6)           | (7)                  | (8)                   |
| <b>A. Consumption Expenditure</b>                         |               |               |               |               |               |                      |                       |
| 1. Compensation to Employees (1.1+1.2)                    | 33,591        | 33,954        | 37,040        | 40,441        | 45,656        | 56,196               | 71,506                |
| 1.1 Wages & Salaries                                      | 19,780        | 20,750        | 23,142        | 24,751        | 26,733        | 34,398               | 42,927                |
| 1.2 Pension                                               | 13,811        | 13,204        | 13,898        | 15,690        | 18,923        | 21,798               | 28,579                |
| 2. Net Purchases of Commodities & Services (2.1+2.2-2.3)  | 14,434        | 12,870        | 11,505        | 15,382        | 14,353        | 22,065               | 27,767                |
| 2.1 Purchases                                             | 8,498         | 10,339        | 9,166         | 12,387        | 10,664        | 16,839               | 22,271                |
| 2.2 Maintenances                                          | 4,334         | 4,785         | 4,605         | 5,112         | 5,896         | 6,540                | 6,811                 |
| 2.3 Sales                                                 | 1,602         | 2,034         | 2,266         | 2,117         | 2,207         | 1,314                | 1,315                 |
| <b>Total Consumption Expenditure</b>                      | <b>48,024</b> | <b>47,044</b> | <b>48,545</b> | <b>55,824</b> | <b>60,009</b> | <b>78,261</b>        | <b>99,274</b>         |
| <b>B. Expenditure on Capital Formation</b>                |               |               |               |               |               |                      |                       |
| 1. Buildings                                              | 2,080         | 1,978         | 2,548         | 1,918         | 2,043         | 4,466                | 11,083                |
| 2. Roads & Bridges                                        | 4,210         | 3,654         | 4,351         | 4,979         | 6,113         | 10,504               | 9,333                 |
| 3. Other Capital Outlay                                   | 2,527         | 6,623         | 7,653         | 7,975         | 10,233        | 13,369               | 14,423                |
| 4. Transport Equipments                                   | 120           | 171           | 197           | 256           | 151           | 194                  | 176                   |
| 5. Machinery & Equipment                                  | 550           | 457           | 646           | 1,105         | 998           | 2,110                | 1,692                 |
| 6. Cultivated Assets                                      | 0             | 0             | 0             | 0             | 4             | 22                   | 41                    |
| 7. Animal Stock                                           | 0             | 0             | 0             | 0             | 0             | 0                    | 0                     |
| 8. <b>Expenditure on New Capital Formation ( 1 to 7 )</b> | <b>9,487</b>  | <b>12,883</b> | <b>15,395</b> | <b>16,234</b> | <b>19,542</b> | <b>30,664</b>        | <b>36,748</b>         |
| 9. Change in Stock                                        | 3             | 4             | 3             | 4             | 0             | 0                    | 0                     |
| 10. <b>Gross Capital Formation (8 + 9)</b>                | <b>9,489</b>  | <b>12,887</b> | <b>15,398</b> | <b>16,237</b> | <b>19,542</b> | <b>30,664</b>        | <b>36,748</b>         |

Source - Directorate of Economics &amp; Statistics, GoM.

# Revised Estimates

## Budget Estimates

Note - Figures may not add up to totals due to rounding.





## 6 Institutional Finance and Capital Market





## 6. INSTITUTIONAL FINANCE AND CAPITAL MARKET

6.1 Financial institutions and capital markets play an important role in the financial system by rendering various financial services to the community. It helps in creation of wealth by increasing savings and investments, which leads to overall economic development. The processes of saving, finance & investment are linked to financial institutions, financial markets, financial instruments and services.

### Banking institutions

6.2 The banking institutions are prime institutions both in deposits and credit. The Scheduled Commercial Banks (SCB) comprises of Public sector banks, foreign banks, Regional Rural Banks (RRB), private banks, etc.

6.3 As on 31<sup>st</sup> March, 2019 in all 12,501 banking offices of SCB (about nine per cent of the total banking offices in India) were functioning in the State. Of which, 25.1 per cent were in rural areas, 22.9 per cent were in semi-urban areas and 52.0 per cent in urban areas. The Credit-Deposit (CD) ratio of the State was 106.5 per cent whereas, that of All-India was 78.2 per cent. Deposits and credit of SCB in the State are given in Table 6.1 and its series is given in Annexure 6.1.

**Table 6.1 Deposits and credit of SCB in the State**

(As on 31<sup>st</sup> March)

| Particulars             | Rural |       | Semi-urban |       | Urban   |         | Total   |         |
|-------------------------|-------|-------|------------|-------|---------|---------|---------|---------|
|                         | 2018  | 2019  | 2018       | 2019  | 2018    | 2019    | 2018    | 2019    |
| Banking offices (no.)   | 3,098 | 3,135 | 2,810      | 2,860 | 6,409   | 6,506   | 12,317  | 12,501  |
| Deposits (₹ '000 Crore) | 70.1  | 77.3  | 139.3      | 156.9 | 2,079.9 | 2,315.8 | 2,289.3 | 2,550.0 |
| Credit (₹ '000 Crore)   | 49.4  | 52.2  | 84.9       | 92.2  | 2,270.5 | 2,570.4 | 2,404.8 | 2,714.8 |
| CD ratio (per cent)     | 70.5  | 67.6  | 60.9       | 58.8  | 109.2   | 111.0   | 105.0   | 106.5   |

Source : Reserve Bank of India

6.4 As on 31<sup>st</sup> March, 2019 average population served per bank office in the State were 9,834 as against 9,157 at All-India level. The facility of Automated Teller Machines in the State was 23,306 as against 2,02,196 at All-India level as on 31<sup>st</sup> March, 2019. The per capita deposits and per capita credit of SCB in the State were ₹ 2,07,425 and ₹ 2,20,836 respectively as on 31<sup>st</sup> March, 2019. The corresponding figures at All-India level were ₹ 96,751 and ₹ 75,640. The share of public sector banks in the aggregate deposits and credit of SCB in the State was 48.3 per cent & 50.9 per cent and that of private banks was 40.5 per cent & 41.8 per cent respectively. Deposits and credit of SCB in the State according to bank group are given in Table 6.2.

**Table 6.2 Bank groupwise deposits and credit of SCB in the State**

(As on 31<sup>st</sup> March)

| Bank group          | Banking offices<br>(no.) |               | Deposits<br>(₹ '000 Crore) |                | Credit<br>(₹ '000 Crore) |                | CD ratio<br>(per cent) |              |
|---------------------|--------------------------|---------------|----------------------------|----------------|--------------------------|----------------|------------------------|--------------|
|                     | 2018                     | 2019          | 2018                       | 2019           | 2018                     | 2019           | 2018                   | 2019         |
| Public sector banks | 8,490                    | 7,954         | 1,209.9                    | 1,231.3        | 1,353.2                  | 1,382.9        | 111.8                  | 112.3        |
| Foreign banks       | 89                       | 91            | 211.3                      | 264.8          | 168.1                    | 181.2          | 79.6                   | 68.4         |
| RRBs                | 734                      | 739           | 12.2                       | 13.6           | 7.3                      | 8.6            | 59.8                   | 63.2         |
| Private banks       | 2,864                    | 3,484         | 854.1                      | 1,033.2        | 872.2                    | 1,135.9        | 102.1                  | 110.0        |
| Small Finance banks | 140                      | 233           | 1.8                        | 7.1            | 4.0                      | 6.2            | 222.2                  | 88.7         |
| <b>Total</b>        | <b>12,317</b>            | <b>12,501</b> | <b>2,289.3</b>             | <b>2,550.0</b> | <b>2,400.8</b>           | <b>2,714.8</b> | <b>105.0</b>           | <b>106.5</b> |

Source : Reserve Bank of India

6.5 In rural areas, savings are higher than term deposits, while in urban areas, term deposits are higher than savings. Deposits of SCB in the State by type of account are given in Table 6.3.

**Table 6.3 Deposits of SCB in the State by type of account**

(As on 31<sup>st</sup> March)

| Type of account | Deposits ( ₹ '000 Crore) |              |                |                |             |              |                |                | Per cent change in total over previous year |
|-----------------|--------------------------|--------------|----------------|----------------|-------------|--------------|----------------|----------------|---------------------------------------------|
|                 | 2018                     |              |                |                | 2019        |              |                |                |                                             |
|                 | Rural                    | Semi-urban   | Urban          | Total          | Rural       | Semi-urban   | Urban          | Total          |                                             |
| Current         | 3.9                      | 14.3         | 292.6          | 310.8          | 4.5         | 17.8         | 351.7          | 374.0          | 20.3                                        |
| Savings         | 35.9                     | 62.9         | 371.6          | 470.4          | 39.5        | 69.7         | 396.6          | 505.8          | 7.5                                         |
| Term deposits   | 30.2                     | 62.1         | 1,415.8        | 1,508.1        | 33.3        | 69.4         | 1,567.5        | 1,670.2        | 10.7                                        |
| <b>Total</b>    | <b>70.0</b>              | <b>139.3</b> | <b>2,080.0</b> | <b>2,289.3</b> | <b>77.3</b> | <b>156.9</b> | <b>2,315.8</b> | <b>2,550.0</b> | <b>11.4</b>                                 |

Source : Reserve Bank of India

6.6 As on 31<sup>st</sup> March, 2019 of the total outstanding credit, about 51.1 per cent was from public sector banks, followed by private banks (41.9 per cent). Outstanding credit of SCB in the State is given in Table 6.4.

6.7 As on 31<sup>st</sup> March, 2019 the maximum (20.2 per cent) outstanding credit of SCB in the State was in manufacturing group followed by finance (18.8 per cent) and personal loans (18.6 per cent). Occupation groupwise outstanding credit of SCB in the State is given in Table 6.5.

**Table 6.4 Outstanding credit of SCB in the State**

(As on 31<sup>st</sup> March)

| Bank group          | Outstanding credit (₹ '000 Crore) |                | Per cent change over previous year |
|---------------------|-----------------------------------|----------------|------------------------------------|
|                     | 2018                              | 2019           |                                    |
| Public Sector banks | 1,375.8                           | 1,398.4        | 1.6                                |
| Foreign banks       | 190.1                             | 183.7          | (-)3.4                             |
| RRBs                | 0.0                               | 0.0            | -                                  |
| Private banks       | 873.0                             | 1,147.3        | 31.4                               |
| Small Finance Banks | 4.0                               | 6.2            | 55.0                               |
| <b>Total</b>        | <b>2,442.9</b>                    | <b>2,735.6</b> | <b>12.0</b>                        |

Source : Reserve Bank of India

**Table 6.5 Occupation groupwise outstanding credit of SCB in the State**

(As on 31<sup>st</sup> March)

| Occupation group                | Outstanding credit (₹ '000 Crore) |                | Per cent change over previous year |
|---------------------------------|-----------------------------------|----------------|------------------------------------|
|                                 | 2018                              | 2019           |                                    |
| Agriculture & allied activities | 95.8                              | 130.8          | 36.5                               |
| Mining & Quarrying              | 19.6                              | 23.7           | 20.9                               |
| Manufacturing                   | 549.0                             | 552.5          | 0.6                                |
| Electricity, Gas & Water Supply | 141.7                             | 137.8          | (-)2.8                             |
| Construction                    | 228.5                             | 232.0          | 1.5                                |
| Transport                       | 79.0                              | 90.6           | 14.7                               |
| Professional & other services   | 185.6                             | 224.3          | 20.9                               |
| Trade                           | 184.7                             | 216.0          | 16.9                               |
| Personal loans                  | 451.7                             | 509.2          | 12.7                               |
| Finance                         | 426.7                             | 514.5          | 20.6                               |
| Others                          | 80.6                              | 104.2          | 29.3                               |
| <b>Total</b>                    | <b>2,442.9</b>                    | <b>2,735.6</b> | <b>12.0</b>                        |

Source : Reserve Bank of India

6.8 Priority sector lending is an important role given by the Reserve Bank of India to SCB for providing a specified portion of the lending to few specific sectors like 'agriculture & allied activities', 'micro, small & medium enterprises', 'housing for poor, other low income groups &

weaker sections'. As on 31<sup>st</sup> March, 2019 maximum (46.4 per cent) advances were outstanding against 'agriculture & allied activities' sector followed by micro, small & medium enterprises (35.8 per cent). Priority sectorwise outstanding advances of SCB in the State is shown in Table 6.6.

**Table 6.6 Priority sectorwise outstanding advances of SCB in the State**

(As on 31<sup>st</sup> March)

| Priority sector                   | Accounts<br>( '000) |               | Balance Outstanding<br>( ₹ '000 Crore) |              |
|-----------------------------------|---------------------|---------------|----------------------------------------|--------------|
|                                   | 2018                | 2019          | 2018                                   | 2019         |
| Agriculture & allied activities   | 5,896               | 7,051         | 329.4                                  | 426.6        |
| Micro, small & medium enterprises | 2,487               | 3,089         | 262.0                                  | 328.9        |
| Education                         | 208                 | 203           | 5.3                                    | 5.6          |
| Housing                           | 891                 | 969           | 115.0                                  | 133.2        |
| Export                            | 2                   | 2             | 20.2                                   | 20.5         |
| Other                             | 518                 | 1,117         | 2.9                                    | 4.4          |
| <b>All</b>                        | <b>10,002</b>       | <b>12,431</b> | <b>734.8</b>                           | <b>919.2</b> |

Source : Reserve Bank of India

## Annual credit plan

6.9 Availability of bank credit up to village level is an important input for economic development in rural areas. RBI has adopted 'Service area approach' for making credit available in every village with district as the unit of service area. Annual credit plan mainly seeks to indicate the scope for the development of various economic activities more so to agriculture and small scale industries with an emphasis on increasing opportunities for weaker sections. It thus, ensures adequate & timely flow of credit to priority and neglected sectors. Accordingly, annual credit plan of the State is prepared and monitored by the convener bank of State Level Bankers' Committee. Bank of Maharashtra is designated as the convener bank for the State. The plan size for priority sector of the State for 2019-20 is ₹ 4.24 lakh crore. The share of 'agriculture & allied activities' was 20.6 per cent and that of 'rural artisans, village & cottage industries and Small Scale Industries (SSI)' sector was 55.5 per cent. The credit disbursement to priority sector in the State under annual credit plan is given in Table 6.7 and districtwise annual credit plan is given in Annexure 6.2.

**Table 6.7 Credit disbursement to priority sector in the State under annual credit plan**

(₹ '000 Crore)

| Priority sector                                                             | Target       |              | Achievement  |                      | Percentage of achievement to target |                      | Beneficiaries (lakh) |                      |
|-----------------------------------------------------------------------------|--------------|--------------|--------------|----------------------|-------------------------------------|----------------------|----------------------|----------------------|
|                                                                             | 2018-19      | 2019-20      | 2018-19      | 2019-20 <sup>+</sup> | 2018-19                             | 2019-20 <sup>+</sup> | 2018-19              | 2019-20 <sup>+</sup> |
| Agriculture & allied activities                                             | 85.5         | 87.3         | 67.9         | 39.6                 | 79.4                                | 45.3                 | 53.14                | 35.03                |
| MSME (Micro, Small, Medium Enterprises, Khadi & Village Industries, others) | 246.1        | 235.4        | 201.9        | 100.5                | 82.0                                | 42.7                 | 30.58                | 9.44                 |
| Other sectors                                                               | 103.0        | 101.3        | 46.9         | 18.1                 | 45.5                                | 17.9                 | 34.48                | 5.98                 |
| <b>Total</b>                                                                | <b>434.6</b> | <b>424.0</b> | <b>316.7</b> | <b>158.2</b>         | <b>72.9</b>                         | <b>37.3</b>          | <b>118.20</b>        | <b>50.45</b>         |

Source : Bank of Maharashtra, Convener, State Level Bankers' Committee

+ upto September



## Micro finance

6.10 Micro finance is an economic development tool with objective to assist the poor to work their way out of poverty. In addition to the provision of credit, it covers many other services such as savings, insurance, money transfers, counseling, etc. 'Self Help Group (SHG) bank linkage programme' has now become the largest community based microfinance initiative. The number of SHGs with saving bank accounts and amount of credit disbursed has shown positive growth over the years. Savings, loans disbursed and loans outstanding of SHGs under 'SHG bank linkage programme' in the State are given in Table 6.8.

**Table 6.8 Savings, loans disbursed and loans outstanding of SHGs under SHG bank linkage programme in the State**

(As on 31<sup>st</sup> March, 2019)

| Type of Bank       | Particulars       | Total SHGs |                  | SHG under NRLM/SGSY <sup>#</sup> |                  | Exclusive women SHGs |                  |
|--------------------|-------------------|------------|------------------|----------------------------------|------------------|----------------------|------------------|
|                    |                   | No.        | Amount (₹ Crore) | No.                              | Amount (₹ Crore) | No.                  | Amount (₹ Crore) |
| Co-operative       | Savings           | 4,03,701   | 527.83           | 92,524                           | 101.93           | 3,37,925             | 393.98           |
|                    | Loans disbursed   | 44,518     | 302.72           | 8,967                            | 81.02            | 42,369               | 288.38           |
|                    | Loans outstanding | 54,146     | 234.93           | 11,327                           | 51.18            | 52,042               | 228.58           |
| Regional Rural     | Savings           | 1,24,895   | 133.21           | 1,24,895                         | 133.21           | 1,16,578             | 122.93           |
|                    | Loans disbursed   | 9,782      | 135.57           | 9,181                            | 124.49           | 9,680                | 133.63           |
|                    | Loans outstanding | 27,906     | 312.02           | 22,853                           | 258.56           | 23,009               | 273.88           |
| Public commercial  | Savings           | 4,20,282   | 854.66           | 1,69,257                         | 304.96           | 2,89,670             | 533.45           |
|                    | Loans disbursed   | 34,486     | 416.21           | 18,010                           | 214.19           | 25,632               | 312.59           |
|                    | Loans outstanding | 83,783     | 857.41           | 43,035                           | 386.30           | 61,917               | 663.08           |
| Private commercial | Savings           | 1,34,933   | 145.85           | 96,228                           | 84.06            | 1,34,847             | 145.44           |
|                    | Loans disbursed   | 38,810     | 786.51           | 25,868                           | 520.37           | 38,667               | 784.73           |
|                    | Loans outstanding | 61,860     | 778.41           | 46,203                           | 554.06           | 61,802               | 776.83           |

Source: NABARD

<sup>#</sup> NRLM / SGSY National Rural Livelihood Mission, Swarnajayanti Gram Swarozgar Yojana

## Financial inclusion

6.11 Effective financial inclusion should be reflected not only in terms of access but in the use of financial services. Financial inclusion is the process of ensuring access to financial services and timely & adequate credit where needed by vulnerable groups such as weaker sections & low income groups at an affordable cost. *Pradhan Mantri Jan Dhan Yojana* (PMJDY) is an ambitious programme of financial inclusion. Under PMJDY, upto 8<sup>th</sup> January, 2020 total 2.67 crore accounts were opened in the State, of which 1.32 crore accounts (49.4 per cent) were from rural areas. The total balance in these accounts was to the tune of ₹ 6,791 crore. Under the scheme, about 1.92 crore 'RuPay cards' were issued. Banking facilities provided under financial inclusion by SCB in the State are given in Table 6.9 and district wise details of PMJDY are given in Annexure 6.3.

**Table 6.9 Banking facilities provided under financial inclusion by SCB in the State**

| Particulars                                                    | (As on 31 <sup>st</sup> March) |          |          |
|----------------------------------------------------------------|--------------------------------|----------|----------|
|                                                                | 2017                           | 2018     | 2019     |
| <b>Total number of banking outlets in villages (no.)</b>       | 40,697                         | 39,130   | 41,115   |
| <b>No-Frills accounts</b>                                      |                                |          |          |
| Number ('000)                                                  | 35,629                         | 37,548   | 40,208   |
| Amount ( ₹ Crore)                                              | 6,709.6                        | 7,445.2  | 8,755.5  |
| <b>Overdraft amount availed in No-Frill Accounts (₹ Crore)</b> | 234.3                          | 25.8     | 26.7     |
| <b>Kisan Credit Card</b>                                       |                                |          |          |
| Number ('000)                                                  | 3,557                          | 3,297    | 3,694    |
| Outstanding amount (₹ Crore)                                   | 43,791.5                       | 37,871.0 | 43,282.6 |

Source : RBI

6.12 The main objective of *Pradhan Mantri MUDRA* scheme (PMMY) is to develop the micro enterprise sector by extending financial support in the form of refinance with the goal of 'funding the unfunded'. Under the scheme, hassle free loans upto ₹10 lakh is given to all non-farm micro & small enterprises engaged in income generating activities. Loans under the scheme are categorised as '*Shishu*' (upto ₹ 50,000), '*Kishor*' (₹ 50,000 - ₹ 5 lakh) and '*Tarun*' (₹ 5 lakh - ₹ 10 lakh) according to the development stage / credit needs of the beneficiary units. The progress under *Pradhan Mantri MUDRA Yojana* is given in Table 6.10.

**Table 6.10 Progress under Pradhan Mantri MUDRA Yojana**

| Category             | (₹ Crore) |           |           |
|----------------------|-----------|-----------|-----------|
|                      | 2016-17   | 2017-18   | 2018-19   |
| <b><i>Shishu</i></b> |           |           |           |
| No of Accounts       | 30,54,130 | 31,45,685 | 37,50,570 |
| Sanctioned loans ₹   | 6,961.75  | 8,093.38  | 10,255.06 |
| Disbursed loans ₹    | 6,909.40  | 7,980.26  | 10,052.07 |
| <b><i>Kishor</i></b> |           |           |           |
| No of Accounts       | 2,20,662  | 3,54,818  | 5,10,249  |
| Sanctioned loans ₹   | 5,082.03  | 7,529.90  | 8,524.12  |
| Disbursed loans ₹    | 4,947.01  | 7,343.40  | 8,287.28  |
| <b><i>Tarun</i></b>  |           |           |           |
| No of Accounts       | 69,362    | 96,117    | 1,25,162  |
| Sanctioned loans ₹   | 5,242.88  | 7,128.12  | 7,659.76  |
| Disbursed loans ₹    | 5,120.34  | 6,942.55  | 7,402.64  |
| <b>Total</b>         |           |           |           |
| No of Accounts       | 33,44,154 | 35,96,620 | 43,85,981 |
| Sanctioned loans ₹   | 17,286.66 | 22,751.40 | 26,438.94 |
| Disbursed loans ₹    | 16,976.75 | 22,266.21 | 25,741.99 |

Source : State Level Bankers' Committee

## Rural Infrastructure Development Fund

6.13 Rural Infrastructure Development Fund (RIDF) was set up by GoI in 1995-96, the Rural shortfall in the mandated priority sector lending at the end of financial year is deposited by the SCB with a view to supplement the public sector capital investment in rural infrastructure. The fund is managed by NABARD. At present, 37 activities are covered under broad categories of agriculture & allied activities, social and rural connectivity sector. The loans are provided up to 95 per cent, 85 per cent and 80 per cent of the project cost respectively. Upto March, 2019 XXIV tranches have been launched and an amount of ₹ 11,990 crore have been disbursed to the State. Amount sanctioned and disbursed under RIDF are given in Table 6.11.

**Table 6.11 Amounts sanctioned and disbursed under RIDF**

| Tranche      | Status  | Amount Sanctioned<br>(₹ Crore) | Amount disbursed<br>(₹ Crore) | Percentage<br>Utilisation |
|--------------|---------|--------------------------------|-------------------------------|---------------------------|
| I - XVII     | Closed  | 9,359.66                       | 7,836.16                      | 83.7                      |
| XVIII - XXIV | Ongoing | 7,595.13                       | 4,153.91                      | 54.7                      |
| <b>Total</b> |         | <b>16,954.79</b>               | <b>11,990.07</b>              | <b>70.7</b>               |

Source : NABARD

## Joint stock companies

6.14 Joint stock companies promote various ancillary industries, trade and ancillaries to trade and also offer employment at a large scale. As on 31<sup>st</sup> March, 2019 of the total 11,56,373 joint stock companies in India, about 19.3 per cent were functioning in the State. The share of paid-up capital of these companies in the State in the total paid-up capital of companies in India was 25.2 per cent. Paid-up capital of joint stock companies is given in Table 6.12.

**Table 6.12 Paid-up capital of joint stock companies**

(As on 31<sup>st</sup> March)

| Item         | Maharashtra        |                 |                                   |              | All-India          |                  |                                   |                |
|--------------|--------------------|-----------------|-----------------------------------|--------------|--------------------|------------------|-----------------------------------|----------------|
|              | Companies<br>(no.) |                 | Paid-up capital<br>(₹ '000 Crore) |              | Companies<br>(no.) |                  | Paid-up capital<br>(₹ '000 Crore) |                |
|              | 2018               | 2019            | 2018                              | 2019         | 2018               | 2019             | 2018                              | 2019           |
| Private      | 2,17,262           | 2,09,785        | 299.7                             | 319.2        | 11,04,067          | 10,92,385        | 1,399.0                           | 1,441.2        |
| Public       | 15,398             | 13,474          | 767.1                             | 657.0        | 75,694             | 63,989           | 2,341.0                           | 2,440.2        |
| <b>Total</b> | <b>2,32,660</b>    | <b>2,23,259</b> | <b>1,066.8</b>                    | <b>976.2</b> | <b>11,79,761</b>   | <b>11,56,374</b> | <b>3,740.0</b>                    | <b>3,881.5</b> |

Source : Ministry of Corporate Affairs, GoI

## Mutual funds

6.15.1 Mutual fund is a mediator that brings together a group of people and invests their money in stocks, bonds and other securities. During 2017-18, net amount mobilised by mutual funds in the State was ₹ 81,017 crore as against ₹ 2,71,797 crore in India. During 2018-19 the corresponding figures were ₹ 1,07,589 crore and ₹ 2,23,654 crore respectively. The amount mobilised through mutual funds is given in Table 6.13

**Table 6.13 Amount mobilised through mutual funds**

(₹ '000 Crore)

| Year                 | New fund<br>offers | Existing mutual<br>funds |
|----------------------|--------------------|--------------------------|
| 2017-18              | 96.0               | 20,902.7                 |
| 2018-19              | 136.4              | 24,258.0                 |
| 2019-20 <sup>+</sup> | 26.9               | 13,407.7                 |

Source: Association of Mutual Funds in India + upto October



## Commodity exchange

6.15.2 Multi Commodity Exchange of India Ltd. (MCX) and National Commodity and Derivatives Exchange Ltd. (NCDEX) are the main commodity exchanges functioning in the State to facilitate retail investors. Turnover of MCX and NCDEX are given in Table 6.14.

**Table 6.14 Turnover of MCX and NCDEX**

| Commodity exchange | Commodities included (no.) |         |                  | Turnover ( ₹ '000 Crore) |         |                    |
|--------------------|----------------------------|---------|------------------|--------------------------|---------|--------------------|
|                    | 2017-18                    | 2018-19 | 2019-20          | 2017-18                  | 2018-19 | 2019-20            |
| MCX                | 32                         | 29      | 29 <sup>+</sup>  | 5,393                    | 6,772   | 4,782 <sup>+</sup> |
| NCDEX              | 25                         | 23      | 20 <sup>++</sup> | 590                      | 531     | 300 <sup>++</sup>  |

Source : MCX and NCDEX

+ upto October

++ upto November

## Insurance

6.15.3 Insurance has evolved as process of safe guarding the interest of the people from loss and uncertainty. Apart from protecting against property and casualties risks and providing a financial safety net for individuals and enterprises; insurance sector encourages savings and provides long term funds for development. There are 24 life insurance companies functioning in the State. The share of Life Insurance Corporation of India (LIC) in total New business of life insurance in the State during 2018-19 was 62.9 per cent as against 67.0 per cent in the previous year. New individual life insurance policies underwritten are given in Table 6.15.

**Table 6.15 New individual life insurance policies underwritten**

| Particulars |              | Number ('000) |               |               | Premium Received ( ₹ Crore) |                 |                 |
|-------------|--------------|---------------|---------------|---------------|-----------------------------|-----------------|-----------------|
|             |              | 2016-17       | 2017-18       | 2018-19       | 2016-17                     | 2017-18         | 2018-19         |
| Maharashtra | Private      | 1,213         | 1,301         | 1,155         | 12,842                      | 16,126          | 19,844          |
|             | LIC          | 2,338         | 2,350         | 2,275         | 31,519                      | 32,806          | 33,637          |
|             | <b>Total</b> | <b>3,551</b>  | <b>3,651</b>  | <b>3,430</b>  | <b>44,362</b>               | <b>48,932</b>   | <b>53,481</b>   |
| India       | Private      | 6,324         | 6,859         | 7,251         | 50,619                      | 59,482          | 72,667          |
|             | LIC          | 20,132        | 21,338        | 21,434        | 1,24,583                    | 1,34,672        | 1,42,336        |
|             | <b>Total</b> | <b>26,456</b> | <b>28,197</b> | <b>28,685</b> | <b>1,75,202</b>             | <b>1,94,154</b> | <b>2,15,003</b> |

Source : Insurance Regulatory and Development Authority

Note : Totals may not add up due to rounding

6.15.4 There are 34 non-life insurance companies functioning in India. During 2018-19, compared to 2017-18 the rise in gross direct premium undertaken by non-life insurance was 12.7 per cent in the State. Among non-life insurance, health insurance (37.9 per cent) reported highest premium collection, followed by crop insurance (15.0 per cent). Sectorwise gross direct premium income of non-life insurance is given in Table 6.16.

**Table 6.16 Sectorwise gross direct premium income of non-life insurance companies**

|             |        |               |                |                      |                     |                   |                            | (₹ Crore)      |
|-------------|--------|---------------|----------------|----------------------|---------------------|-------------------|----------------------------|----------------|
| Year        | Fire   | Motor         |                | Personal<br>accident | Health<br>insurance | Crop<br>insurance | Miscellaneous <sup>#</sup> | Grand<br>total |
|             |        | Own<br>damage | Third<br>party |                      |                     |                   |                            |                |
| Maharashtra |        |               |                |                      |                     |                   |                            |                |
| 2017-18     | 2,263  | 3,871         | 4,182          | 1,040                | 11,812              | 4,453             | 4,440                      | 32,061         |
| 2018-19     | 2,526  | 3,713         | 4,815          | 1,130                | 13,708              | 5,414             | 4,832                      | 36,138         |
| India       |        |               |                |                      |                     |                   |                            |                |
| 2017-18     | 10,780 | 26,327        | 32,919         | 4,564                | 37,029              | 25,322            | 14,402                     | 1,51,343       |
| 2018-19     | 11,667 | 26,488        | 38,035         | 5,209                | 44,873              | 27,614            | 15,475                     | 1,69,361       |

Source : Insurance Regulatory and Development Authority # includes overseas, marine cargo, hull, aviation, engineering, credit, etc.

## Capital market

6.16 Capital market is a mechanism through which the savings are channelised into effective long-term investments. Bombay Stock Exchange Ltd. (BSE) and National Stock Exchange of India Ltd. (NSE) are the major stock exchanges functioning in the State. The Bombay Stock Exchange Ltd. is one of the oldest exchanges across the world, while the National Stock Exchange Ltd. is among the best in terms of sophistication and advancement of technology.

### Primary market

6.16.1 During 2018-19, an amount raised through 46 issues (34 public, two rights & 10 debt) was ₹ 33,622 crore as against ₹ 73,214 crore in the previous year raised through 68 issues (58 public, eight rights & two debt). During 2019-20 upto October, an amount of ₹ 34,316 crore was raised through 28 issues (19 public, three rights & six debt).

### Secondary market

6.16.2 The market capitalisation of equity shares of NSE and BSE available for trading on Indian bourses during 2019-20, upto October was ₹ 152.48 lakh crore and ₹ 154.09 lakh crore respectively as compared to ₹ 149.34 lakh crore and ₹ 151.09 lakh crore at the end of 2018-19. The corresponding figures for 2017-18 were ₹ 140.44 lakh crore and ₹ 142.25 lakh crore respectively. Turnover of NSE and BSE are given in Table 6.17.

**Table 6.17 Turnover of NSE and BSE**

| (₹ '000 Crore) |         |         |                      |
|----------------|---------|---------|----------------------|
| Stock exchange | 2017-18 | 2018-19 | 2019-20 <sup>+</sup> |
| NSE            | 7,235   | 7,949   | 4,874                |
| BSE            | 1,083   | 776     | 369                  |

Source : NSE, BSE

+ upto October

\* \* \* \* \*

## ANNEXURE 6.1

## DEPOSITS AND CREDIT OF ALL SCHEDULED COMMERCIAL BANKS

(₹ Crore)

| Year              | Position as on last Friday of June of the year |        |            |        |                    |           | Total deposits | Total credit       |
|-------------------|------------------------------------------------|--------|------------|--------|--------------------|-----------|----------------|--------------------|
|                   | Rural                                          |        | Semi-Urban |        | Urban/Metropolitan |           |                |                    |
|                   | Deposits                                       | Credit | Deposits   | Credit | Deposits           | Credit    |                |                    |
| (1)               | (2)                                            | (3)    | (4)        | (5)    | (6)                | (7)       | (8)            | (9)                |
| 1971              | NA                                             | NA     | NA         | NA     | NA                 | NA        | 1,460          | 1,291 <sup>†</sup> |
| 1981              | 309                                            | 226    | 714        | 384    | 6,568              | 5,321     | 7,590          | 5,931              |
| 1991              | 1,701                                          | 1,357  | 2,347      | 1,354  | 36,181             | 26,936    | 40,230         | 29,647             |
| 2001              | 6,769                                          | 5,029  | 10,034     | 4,138  | 1,59,199           | 1,34,340  | 1,76,001       | 1,43,507           |
| 2011              | 29,231                                         | 22,703 | 49,174     | 27,604 | 13,25,550          | 11,25,780 | 14,03,955      | 11,76,087          |
| 2012              | 34,454                                         | 26,712 | 58,586     | 31,829 | 15,00,654          | 13,29,287 | 15,93,694      | 13,87,827          |
| 2013 <sup>#</sup> | 41,119                                         | 31,527 | 70,052     | 41,135 | 16,73,872          | 15,03,827 | 17,85,043      | 15,76,490          |
| 2014 <sup>#</sup> | 48,115                                         | 39,009 | 85,322     | 51,510 | 19,19,090          | 17,22,604 | 20,52,527      | 18,13,123          |
| 2015 <sup>#</sup> | 56,214                                         | 44,578 | 95,688     | 60,479 | 19,81,815          | 18,71,000 | 21,33,718      | 19,76,057          |
| 2016 <sup>#</sup> | 61,824                                         | 52,817 | 1,02,026   | 67,660 | 20,13,746          | 21,14,827 | 21,77,596      | 22,35,304          |
| 2017 <sup>#</sup> | 63,597                                         | 46,740 | 1,28,123   | 77,920 | 19,71,935          | 21,74,919 | 21,63,654      | 22,99,580          |
| 2018 <sup>#</sup> | 70,104                                         | 49,384 | 1,39,312   | 84,875 | 19,55,325          | 21,96,322 | 22,89,301      | 24,04,766          |
| 2019 <sup>#</sup> | 77,276                                         | 52,242 | 1,56,900   | 92,205 | 23,15,767          | 25,70,362 | 25,49,943      | 27,14,809          |

| Year              | Per Capita deposit (₹) | Per Capita Credit (₹) | No. of banking offices |                      |        | Number of banking offices per lakh population |
|-------------------|------------------------|-----------------------|------------------------|----------------------|--------|-----------------------------------------------|
|                   |                        |                       | Rural and Semi- Urban  | Urban / Metropolitan | Total  |                                               |
| (1)               | (10)                   | (11)                  | (12)                   | (13)                 | (14)   | (15)                                          |
| 1971              | 290                    | 256                   | NA                     | NA                   | 1,471  | 2.9                                           |
| 1981              | 1,204                  | 940                   | NA                     | NA                   | 3,627  | 5.8                                           |
| 1991              | 5,344                  | 3,580                 | 3,353                  | 2,238                | 5,591  | 7.4                                           |
| 2001              | 18,106                 | 14,763                | 3,380                  | 2,914                | 6,294  | 6.5                                           |
| 2011              | 1,24,048               | 1,03,911              | 3,902                  | 4,613                | 8,515  | 7.5                                           |
| 2012              | 1,39,572               | 1,21,543              | 4,196                  | 4,857                | 9,053  | 7.9                                           |
| 2013 <sup>#</sup> | 1,54,286               | 1,36,260              | 4,585                  | 5,189                | 9,774  | 8.5                                           |
| 2014 <sup>#</sup> | 1,75,147               | 1,54,718              | 5,162                  | 5,478                | 10,640 | 9.1                                           |
| 2015 <sup>#</sup> | 1,81,988               | 1,68,541              | 5,555                  | 5,729                | 11,284 | 9.6                                           |
| 2016 <sup>#</sup> | 1,81,383               | 1,86,190              | 5,753                  | 6,036                | 11,789 | 9.8                                           |
| 2017 <sup>#</sup> | 1,78,101               | 1,89,289              | 5,822                  | 6,369                | 12,191 | 10.0                                          |
| 2018 <sup>#</sup> | 1,86,223               | 1,95,619              | 5,908                  | 6,409                | 12,317 | 10.0                                          |
| 2019 <sup>#</sup> | 2,07,425               | 2,20,836              | 5,995                  | 6,506                | 12,501 | 10.2                                          |

Source - Reserve Bank of India

<sup>†</sup> Data relate to the second Friday of June 1971# As on 31<sup>st</sup> March

NA Not Available

Note - Details may not add up to due to rounding.

## ANNEXURE 6.2

## DISTRICTWISE ANNUAL CREDIT PLAN (2019-20)

(₹ Crore)

| Sr.<br>No.        | District        | Priority Sector                 |                        |          |        | Total    | NPS      | Total Plan |
|-------------------|-----------------|---------------------------------|------------------------|----------|--------|----------|----------|------------|
|                   |                 | Agriculture & allied activities |                        | NFS      | OPS    |          |          |            |
|                   |                 | Total credit                    | Of which,<br>crop loan |          |        |          |          |            |
| (1)               | (2)             | (3)                             | (4)                    | (5)      | (6)    | (7)      | (8)      | (9)        |
| 1                 | Mumbai City     | 84                              | 0                      | 1,44,093 | 163    | 1,44,340 | 1,40,086 | 2,84,426   |
| 2                 | Mumbai Suburban | 2,373                           | 0                      | 82,120   | 15,885 | 1,00,378 | 33,221   | 1,33,599   |
| 3                 | Thane           | 365                             | 220                    | 5,587    | 3,048  | 9,000    | 2,500    | 11,500     |
| 4                 | Palghar         | 430                             | 180                    | 1,465    | 600    | 2,495    | 424      | 2,919      |
| 5                 | Raigad          | 525                             | 260                    | 2,969    | 66     | 3,560    | 1,400    | 4,960      |
| 6                 | Ratnagiri       | 1,017                           | 520                    | 990      | 695    | 2,702    | 237      | 2,939      |
| 7                 | Sindhudurg      | 784                             | 355                    | 974      | 161    | 1,919    | 137      | 2,056      |
| 8                 | Nashik          | 7,000                           | 4,500                  | 5,812    | 1,188  | 14,000   | 4,000    | 18,000     |
| 9                 | Dhule           | 1,200                           | 1,025                  | 856      | 445    | 2,501    | 130      | 2,631      |
| 10                | Nandurbar       | 1,018                           | 729                    | 274      | 59     | 1,350    | 84       | 1,434      |
| 11                | Jalgaon         | 4,320                           | 3,300                  | 1,634    | 296    | 6,250    | 205      | 6,455      |
| 12                | Ahmednagar      | 6,273                           | 4,820                  | 2,279    | 1,716  | 10,267   | 1,046    | 11,313     |
| 13                | Pune            | 6,551                           | 3,253                  | 27,664   | 3,253  | 37,469   | 23,162   | 60,631     |
| 14                | Satara          | 4,000                           | 3,600                  | 1,646    | 1,354  | 7,000    | 800      | 7,800      |
| 15                | Sangli          | 4,225                           | 2,417                  | 1,716    | 19     | 5,960    | 1,040    | 7,000      |
| 16                | Solapur         | 6,632                           | 4,033                  | 2,542    | 50     | 9,224    | 65       | 9,289      |
| 17                | Kolhapur        | 4,115                           | 2,430                  | 4,224    | 96     | 8,436    | 4,433    | 12,869     |
| 18                | Aurangabad      | 2,110                           | 1,760                  | 3,212    | 1,208  | 6,530    | 1,281    | 7,811      |
| 19                | Jalna           | 1,850                           | 1,500                  | 633      | 227    | 2,710    | 143      | 2,853      |
| 20                | Parbhani        | 2,745                           | 1,784                  | 635      | 95     | 3,474    | 178      | 3,652      |
| 21                | Hingoli         | 1,714                           | 1,436                  | 413      | 75     | 2,201    | 0        | 2,201      |
| 22                | Beed            | 1,701                           | 1,190                  | 1,311    | 451    | 3,463    | 0        | 3,463      |
| 23                | Nanded          | 2,946                           | 2,459                  | 1,279    | 94     | 4,319    | 0        | 4,319      |
| 24                | Osmanabad       | 2,633                           | 2,272                  | 398      | 91     | 3,122    | 0        | 3,122      |
| 25                | Latur           | 2,958                           | 2,374                  | 1,888    | 37     | 4,883    | 597      | 5,480      |
| 26                | Buldhana        | 2,596                           | 1,971                  | 618      | 464    | 3,678    | 198      | 3,876      |
| 27                | Akola           | 1,956                           | 1,472                  | 837      | 393    | 3,185    | 253      | 3,438      |
| 28                | Washim          | 1,740                           | 1,570                  | 189      | 46     | 1,975    | 15       | 1,990      |
| 29                | Amravati        | 2,820                           | 2,100                  | 1,237    | 186    | 4,243    | 237      | 4,480      |
| 30                | Yavatmal        | 2,831                           | 2,229                  | 760      | 128    | 3,718    | 346      | 4,064      |
| 31                | Wardha          | 1,426                           | 980                    | 506      | 0      | 1,932    | 235      | 2,167      |
| 32                | Nagpur          | 1,682                           | 1,087                  | 1,147    | 9      | 2,838    | 609      | 3,447      |
| 33                | Bhandara        | 600                             | 439                    | 496      | 159    | 1,255    | 172      | 1,427      |
| 34                | Gondia          | 405                             | 230                    | 363      | 30     | 798      | 150      | 948        |
| 35                | Chandrapur      | 1,420                           | 1,089                  | 713      | 164    | 2,297    | 238      | 2,535      |
| 36                | Gadchiroli      | 279                             | 181                    | 277      | 0      | 556      | 62       | 618        |
| Maharashtra State |                 | 87,324                          | 59,765                 | 3,03,757 | 32,951 | 4,24,028 | 2,17,684 | 6,41,712   |

Source - SLBC, Bank of Maharashtra

NFS - Non-Farm Sector, OPS - Other Priority Sector, NPS - Non-Priority Sector

Note - Details may not add up to due to rounding.

## ANNEXURE 6.3

## DISTRICTWISE INFORMATION ON PRADHAN MANTRI JAN DHAN YOJANA

(As on 31<sup>st</sup> March, 2019)

| Sr. No.                  | District        | Total Accounts opened | No. of RuPay Cards Issued | No. of Zero Balance Accounts | Total Deposit in Accounts (₹ Crore) |
|--------------------------|-----------------|-----------------------|---------------------------|------------------------------|-------------------------------------|
| (1)                      | (2)             | (3)                   | (4)                       | (5)                          | (6)                                 |
| 1                        | Mumbai          | 6,42,777              | 5,54,934                  | 1,38,815                     | 195                                 |
| 2                        | Mumbai Suburban | 6,12,929              | 5,21,651                  | 1,06,989                     | 234                                 |
| 3                        | Thane / Palghar | 15,67,535             | 11,22,996                 | 3,12,488                     | 452                                 |
| 4                        | Raigad          | 3,93,673              | 2,86,728                  | 89,019                       | 140                                 |
| 5                        | Ratnagiri       | 2,82,487              | 1,75,584                  | 42,082                       | 103                                 |
| 6                        | Sindhudurg      | 1,46,199              | 1,00,038                  | 18,526                       | 60                                  |
| 7                        | Nashik          | 16,32,060             | 9,44,482                  | 3,58,763                     | 430                                 |
| 8                        | Dhule           | 6,36,609              | 4,36,946                  | 1,89,162                     | 98                                  |
| 9                        | Nandurbar       | 4,79,539              | 3,91,314                  | 1,39,766                     | 69                                  |
| 10                       | Jalgaon         | 10,96,945             | 8,55,706                  | 2,29,500                     | 204                                 |
| 11                       | Ahmednagar      | 11,58,237             | 8,26,793                  | 2,53,568                     | 269                                 |
| 12                       | Pune            | 13,82,861             | 8,36,200                  | 2,95,470                     | 556                                 |
| 13                       | Satara          | 6,45,748              | 3,39,051                  | 1,76,536                     | 132                                 |
| 14                       | Sangli          | 6,12,900              | 4,52,279                  | 1,68,361                     | 109                                 |
| 15                       | Solapur         | 12,09,399             | 8,77,239                  | 2,61,473                     | 278                                 |
| 16                       | Kolhapur        | 9,64,681              | 6,79,417                  | 1,84,073                     | 220                                 |
| 17                       | Aurangabad      | 9,53,307              | 6,09,242                  | 2,44,262                     | 162                                 |
| 18                       | Jalna           | 6,14,489              | 3,65,486                  | 2,01,020                     | 80                                  |
| 19                       | Parbhani        | 5,65,130              | 3,78,895                  | 1,51,354                     | 84                                  |
| 20                       | Hingoli         | 3,61,629              | 2,76,563                  | 1,13,892                     | 48                                  |
| 21                       | Beed            | 8,81,256              | 6,20,536                  | 2,19,636                     | 191                                 |
| 22                       | Nanded          | 10,58,213             | 7,94,190                  | 2,88,836                     | 159                                 |
| 23                       | Osmanabad       | 5,18,854              | 3,45,249                  | 1,22,167                     | 154                                 |
| 24                       | Latur           | 6,90,465              | 4,82,675                  | 1,71,266                     | 130                                 |
| 25                       | Buldhana        | 7,21,635              | 5,55,434                  | 1,67,818                     | 84                                  |
| 26                       | Akola           | 4,32,151              | 3,17,043                  | 85,047                       | 74                                  |
| 27                       | Washim          | 3,07,238              | 2,36,169                  | 70,782                       | 44                                  |
| 28                       | Amravati        | 6,39,011              | 4,26,304                  | 1,20,350                     | 122                                 |
| 29                       | Yavatmal        | 8,38,837              | 6,37,987                  | 1,89,206                     | 103                                 |
| 30                       | Wardha          | 2,48,312              | 1,84,924                  | 38,045                       | 88                                  |
| 31                       | Nagpur          | 9,49,165              | 7,66,457                  | 1,65,094                     | 281                                 |
| 32                       | Bhandara        | 4,36,288              | 2,95,993                  | 56,768                       | 121                                 |
| 33                       | Gondia          | 4,00,600              | 3,20,514                  | 62,634                       | 101                                 |
| 34                       | Chandrapur      | 4,83,623              | 3,35,468                  | 84,520                       | 131                                 |
| 35                       | Gadchiroli      | 2,50,143              | 1,67,705                  | 40,927                       | 68                                  |
| <b>Maharashtra State</b> |                 | <b>2,48,14,925</b>    | <b>1,75,18,192</b>        | <b>55,58,215</b>             | <b>5,774</b>                        |

Source - Bank of Maharashtra, Convener, State Level Bankers Committee.







## 7 Agriculture and Allied Activities







## 7. AGRICULTURE AND ALLIED ACTIVITIES

7.1 Agriculture & allied activities sector is predominant in the State as about 53 per cent of population is dependent on this sector for livelihood. Over the years the agriculture sector has witnessed remarkable transformations. The sector continues to be vulnerable to the challenges posed by climate change and degradation of productive land. Erratic rains, changing weather conditions, reduction in the size of operational holdings, high input costs and market uncertainties leading to non-profitability continue to be the prime concerns of the agriculture sector in the State. Efficient and effective use of water resources, enhancement of agro-processing capabilities, empowerment of small & marginal farmers, reduction in the wastage of agricultural produce, better-value chain market mechanism, steps towards reduction in desertification & degradation of land and protection & improvement of bio-diversity are the necessities for ensuring sustainable development of this sector.

7.2 Various strategic initiatives have been taken up by the Central and the State Government to enhance farmers' income. Various schemes and programmes are being implemented to enhance agricultural production, to promote export and to encourage agro-processing. Automatic Weather Stations have been established under MAHAVEDH project, to collect timely data on various weather parameters. Changing lifestyles and inclination towards consumption of organic produce provide significant growth potential in this sector, which needs to be harnessed.

### Monsoon 2019

7.3 Monsoon rains arrived on 20<sup>th</sup> June, 2019 in parts of south Konkan and south-central Maharashtra region. As against the normal rainfall the State received 71.7 per cent rainfall in June, 101.1 per cent in July, 108.3 per cent in August, 150.6 per cent in September and 222.8 per cent rainfall in October. The total rainfall received in the State upto October, 2019 was 112.6 per cent of the normal. Out of 355 talukas excluding Mumbai city and Mumbai suburban districts in the State, 152 talukas received excess rainfall, 182 talukas received normal rainfall and 21 talukas received deficient rainfall. Classification of talukas according to rainfall received is given in Table 7.1. Regionwise actual rainfall received is given in Table 7.2.

**Graph 7.1: No. of talukas according to rainfall received (percentage to normal)**

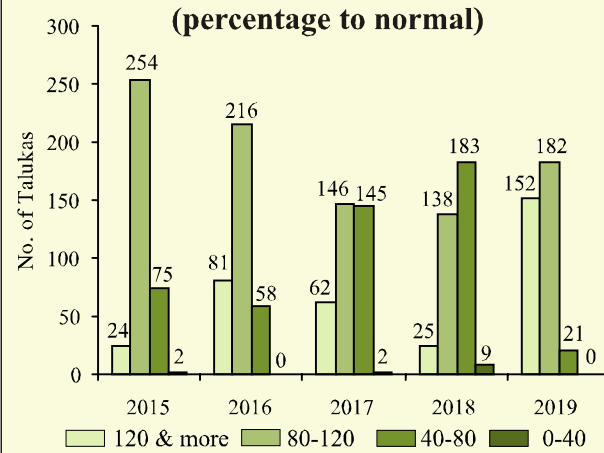


**Table 7.1 Classification of talukas according to rainfall received**

| Rainfall class<br>(percentage<br>to normal) | No. of talukas <sup>#</sup> |      |      |      |        |      |           |      |         |      |
|---------------------------------------------|-----------------------------|------|------|------|--------|------|-----------|------|---------|------|
|                                             | June                        |      | July |      | August |      | September |      | October |      |
|                                             | 2018                        | 2019 | 2018 | 2019 | 2018   | 2019 | 2018      | 2019 | 2018    | 2019 |
| 120 & above                                 | 133                         | 33   | 50   | 108  | 54     | 132  | 9         | 232  | 1       | 256  |
| 100 – 120                                   | 61                          | 33   | 55   | 74   | 43     | 51   | 19        | 54   | 1       | 20   |
| 80 – 100                                    | 67                          | 63   | 76   | 97   | 87     | 65   | 31        | 42   | 4       | 36   |
| 60 – 80                                     | 65                          | 98   | 71   | 52   | 100    | 60   | 46        | 21   | 11      | 21   |
| 40 – 60                                     | 25                          | 95   | 59   | 20   | 48     | 36   | 81        | 6    | 29      | 17   |
| 20 – 40                                     | 4                           | 31   | 42   | 4    | 22     | 10   | 102       | 0    | 42      | 4    |
| 0 – 20                                      | 0                           | 2    | 2    | 0    | 1      | 1    | 67        | 0    | 267     | 1    |

Source : Commissionerate of Agriculture, GoM

# Excluding talukas in Mumbai City & Mumbai Suburban districts

**Table 7.2 Regionwise actual rainfall received**

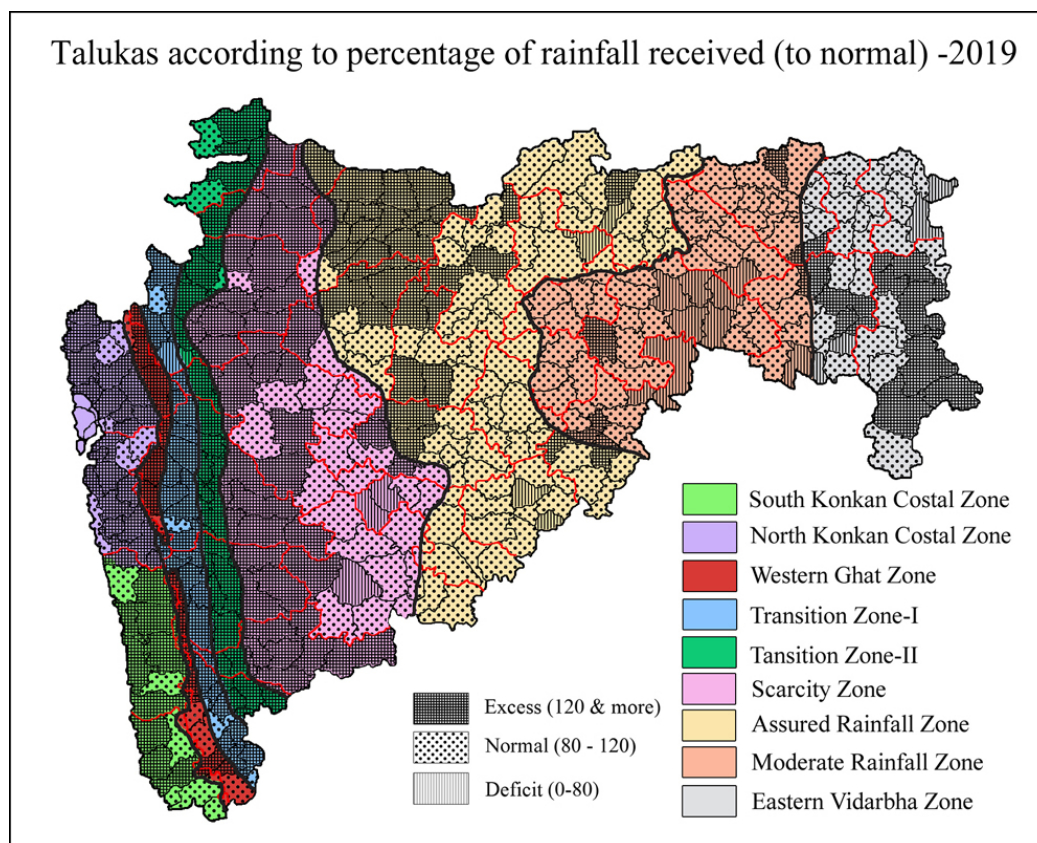
(mm)

| Rainfall during |               | Region              |              |              |              |              |                | Maharashtra     |
|-----------------|---------------|---------------------|--------------|--------------|--------------|--------------|----------------|-----------------|
|                 |               | Konkan <sup>#</sup> | Nashik       | Pune         | Aurangabad   | Amravati     | Nagpur         |                 |
| June            | <b>Normal</b> | <b>660.2</b>        | <b>127.7</b> | <b>166.0</b> | <b>145.8</b> | <b>154.1</b> | <b>187.5</b>   | <b>223.3</b>    |
|                 | 2018          | 903.4               | 119.4        | 146.2        | 170.8        | 169.3        | 189.8          | 237.9 (106.5)   |
|                 | 2019          | 593.9               | 82.8         | 148.0        | 94.0         | 108.4        | 93.6           | 160.1 (71.7)    |
| July            | <b>Normal</b> | <b>1,164.7</b>      | <b>235.5</b> | <b>330.6</b> | <b>201.2</b> | <b>261.0</b> | <b>412.3</b>   | <b>402.6</b>    |
|                 | 2018          | 1,264.2             | 156.7        | 311.8        | 109.1        | 227.5        | 387.8          | 342.6 (85.1)    |
|                 | 2019          | 1,480.5             | 245.7        | 372.2        | 151.8        | 250.2        | 392.1          | 406.9 (101.1)   |
| August          | <b>Normal</b> | <b>757.1</b>        | <b>189.0</b> | <b>216.7</b> | <b>197.3</b> | <b>210.0</b> | <b>352.4</b>   | <b>303.3</b>    |
|                 | 2018          | 567.2               | 145.5        | 187.0        | 184.9        | 186.1        | 268.3          | 231.4 (76.3)    |
|                 | 2019          | 925.5               | 260.5        | 360.2        | 141.1        | 168.7        | 385.1          | 328.6 (108.3)   |
| September       | <b>Normal</b> | <b>379.0</b>        | <b>158.6</b> | <b>158.1</b> | <b>176.9</b> | <b>166.7</b> | <b>209.5</b>   | <b>202.1</b>    |
|                 | 2018          | 117.5               | 32.6         | 54.8         | 23.7         | 49.9         | 102.2          | 57.0 (28.2)     |
|                 | 2019          | 897.1               | 207.1        | 221.9        | 220.3        | 200.3        | 339.9          | 304.3 (150.6)   |
| October         | <b>Normal</b> | <b>115.4</b>        | <b>50.8</b>  | <b>91.6</b>  | <b>58.6</b>  | <b>46.1</b>  | <b>53.5</b>    | <b>67.4</b>     |
|                 | 2018          | 45.1                | 3.5          | 30.5         | 6.0          | 0.0          | 0.0            | 12.8 (19.0)     |
|                 | 2019          | 183.6               | 131.6        | 217.5        | 209.8        | 80.9         | 48.2           | 150.3 (222.8)   |
| June to October | <b>Normal</b> | <b>3,076.4</b>      | <b>761.6</b> | <b>963.0</b> | <b>779.8</b> | <b>837.9</b> | <b>1,215.2</b> | <b>1,198.7</b>  |
|                 | 2018          | 2,897.4             | 457.7        | 730.3        | 494.5        | 632.8        | 948.1          | 881.7 (73.6)    |
|                 | 2019          | 4,080.6             | 927.7        | 1,319.7      | 816.9        | 808.5        | 1,258.9        | 1,349.7 (112.6) |

# Excluding Mumbai City &amp; Mumbai Suburban districts

Note: Figures in bracket indicate percentage of actual rainfall to normal rainfall

Source : Commissionerate of Agriculture, GoM



## Operational holdings

7.4 As per the first Agriculture Census (1970-71) number of operational holdings and area of operational holdings in the State was 0.50 crore and 2.12 crore ha respectively. As per the tenth Agriculture Census (2015-16) number of operational holdings increased to 1.53 crore and area of operational holdings decreased to 2.05 crore ha. The average size of holding decreased from 4.28 ha in the first census to 1.34 ha as per tenth census. Operational holdings and area of operational holdings in the State is given in Table 7.3. The average size of land holding for SC and ST was 1.24 ha and 1.76 ha respectively. The share of female operational holders was 14.1 per cent with 1.22 ha of average size of land holding. The time series data on operational holdings in the State is given in Annexure 7.1. Operational holdings and area of holdings in selected states is given in Table 7.4.

**Table 7.3 Operational holdings and area of operational holdings in the State**

| Size class<br>(ha)      | No. of operational holdings ('000) |               | Area of operational holdings ('000 ha) |               |
|-------------------------|------------------------------------|---------------|----------------------------------------|---------------|
|                         | 2010-11                            | 2015-16       | 2010-11                                | 2015-16       |
| Marginal (upto 1.0)     | 6,709                              | 7,816         | 3,186                                  | 3,449         |
| Small (1.0 - 2.0)       | 4,052                              | 4,339         | 5,739                                  | 5,771         |
| Semi-Medium (2.0 - 4.0) | 2,159                              | 2,327         | 5,765                                  | 6,025         |
| Medium (4.0 - 10.0)     | 711                                | 734           | 3,993                                  | 4,099         |
| Large (10.0 & above)    | 68                                 | 69            | 1,084                                  | 1,162         |
| <b>Total</b>            | <b>13,699</b>                      | <b>15,285</b> | <b>19,767</b>                          | <b>20,506</b> |

Source: Commissionerate of Agriculture, GoM

**Table 7.4 Operational holdings and area of operational holdings in selected states**

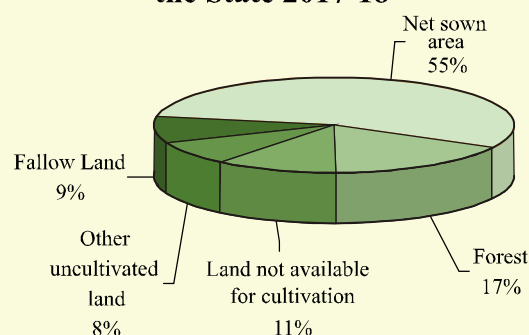
| State              | No. of operational holdings ('000) |                 | Area of operational holdings ('000 ha) |                 | Average size of operational holdings (ha) |             |
|--------------------|------------------------------------|-----------------|----------------------------------------|-----------------|-------------------------------------------|-------------|
|                    | 2010-11                            | 2015-16         | 2010-11                                | 2015-16         | 2010-11                                   | 2015-16     |
| Andhra Pradesh     | 7,621                              | 8,524           | 8,096                                  | 8,004           | 1.06                                      | 0.94        |
| Gujarat            | 4,886                              | 5,320           | 9,898                                  | 9,978           | 2.03                                      | 1.88        |
| Karnataka          | 7,832                              | 8,677           | 12,161                                 | 11,724          | 1.55                                      | 1.35        |
| Punjab             | 1,053                              | 1,092           | 3,967                                  | 3,953           | 3.77                                      | 3.62        |
| Madhya Pradesh     | 8,872                              | 10,004          | 15,836                                 | 15,671          | 1.78                                      | 1.57        |
| <b>Maharashtra</b> | <b>13,699</b>                      | <b>15,285</b>   | <b>19,767</b>                          | <b>20,506</b>   | <b>1.44</b>                               | <b>1.34</b> |
| Rajasthan          | 6,888                              | 7,654           | 21,136                                 | 20,874          | 3.07                                      | 2.73        |
| Tamil Nadu         | 8,118                              | 7,938           | 6,488                                  | 5,971           | 0.80                                      | 0.75        |
| Telangana          | 5,554                              | 5,948           | 6,197                                  | 5,973           | 1.12                                      | 1.00        |
| Uttar Pradesh      | 23,325                             | 23,822          | 17,622                                 | 17,451          | 0.76                                      | 0.73        |
| <b>All India</b>   | <b>1,38,348</b>                    | <b>1,46,454</b> | <b>1,59,592</b>                        | <b>1,57,817</b> | <b>1.15</b>                               | <b>1.08</b> |

Source : Agriculture Census , GoI

## Land utilisation

7.5 The land utilisation statistics for 2017-18 depicts that of the total 307.58 lakh ha geographical area of the State, the gross cropped area was 232.68 lakh ha while the net area sown was 169.42 lakh ha (about 55 per cent). The time series data of land utilisation is given in Annexure 7.2.

**Graph 7.2 : Land utilisation in the State 2017-18**



## Agricultural Production prospects 2019-20

7.6.1 **Kharif crops:** During *kharif* season of 2019, sowing was completed on 149.61 lakh ha, which was 2.5 per cent less than the previous year (153.44 lakh ha). Area under pulses, oilseeds and sugarcane is expected to decrease while area of cereals and cotton is expected to increase as compared to the previous year. The production of cereals, pulses, oilseeds & cotton is expected to increase while the production of sugarcane is expected to decrease as compared to the previous year. The area and production of principal *kharif* crops is given in Table 7.5

**Table 7.5 Area and production of principal *kharif* crops**

| Crop                       | Area ('000 ha) |                        |                                 | Production ('000 MT) |                        |                                 |
|----------------------------|----------------|------------------------|---------------------------------|----------------------|------------------------|---------------------------------|
|                            | 2018-19        | 2019-20<br>(tentative) | Per cent<br>change <sup>#</sup> | 2018-19              | 2019-20<br>(tentative) | Per cent<br>change <sup>#</sup> |
| Rice                       | 1,417          | 1,539                  | 9                               | 3,144                | 3,510                  | 12                              |
| Jowar                      | 530            | 281                    | (-)47                           | 430                  | 207                    | (-)52                           |
| Bajra                      | 610            | 683                    | 12                              | 332                  | 506                    | 52                              |
| Ragi                       | 80             | 77                     | (-)4                            | 93                   | 78                     | (-)17                           |
| Maize                      | 708            | 884                    | 25                              | 1,365                | 1,532                  | 12                              |
| Other Cereals              | 47             | 41                     | (-)12                           | 22                   | 22                     | 0                               |
| <b>Total Cereals</b>       | <b>3,392</b>   | <b>3,505</b>           | <b>3</b>                        | <b>5,386</b>         | <b>5,854</b>           | <b>9</b>                        |
| Tur                        | 1,261          | 1,195                  | (-)5                            | 834                  | 971                    | 16                              |
| Moong                      | 481            | 336                    | (-)30                           | 204                  | 143                    | (-)30                           |
| Udid                       | 367            | 308                    | (-)16                           | 154                  | 128                    | (-)17                           |
| Other Pulses               | 87             | 89                     | 1                               | 41                   | 33                     | (-)19                           |
| <b>Total Pulses</b>        | <b>2,196</b>   | <b>1,928</b>           | <b>(-)12</b>                    | <b>1,234</b>         | <b>1,275</b>           | <b>3</b>                        |
| <b>Total Foodgrains</b>    | <b>5,588</b>   | <b>5,433</b>           | <b>(-)3</b>                     | <b>6,620</b>         | <b>7,130</b>           | <b>8</b>                        |
| Soyabean                   | 4,075          | 4,038                  | (-)1                            | 4,611                | 4,708                  | 2                               |
| Groundnut                  | 217            | 194                    | (-)11                           | 204                  | 179                    | (-)12                           |
| Sesamum                    | 37             | 11                     | (-)70                           | 6                    | 2                      | (-)68                           |
| Nigerseed                  | 11             | 8                      | (-)23                           | 1                    | 1                      | 5                               |
| Sunflower                  | 21             | 14                     | (-)37                           | 4                    | 4                      | 4                               |
| Other Oilseeds             | 13             | 11                     | (-)15                           | 4                    | 3                      | (-)7                            |
| <b>Total Oilseeds</b>      | <b>4,374</b>   | <b>4,276</b>           | <b>(-)2</b>                     | <b>4,830</b>         | <b>4,899</b>           | <b>1</b>                        |
| Cotton (Lint) <sup>@</sup> | 4,219          | 4,431                  | 5                               | 6,593                | 8,141                  | 24                              |
| Sugarcane <sup>**</sup>    | 1,163          | 822                    | (-)29                           | 89,770               | 57,548                 | (-)36                           |
| <b>Total sown area</b>     | <b>15,344</b>  | <b>14,961</b>          | <b>(-)3</b>                     | -                    | -                      | -                               |

<sup>@</sup> Production of cotton in '000 bales of 170 kg each

<sup>\*\*</sup> Harvested area

<sup>#</sup> Calculated on the basis of actual figures

Note : Figures for 2018-19 are based on final estimates & for 2019-20 are based on 2<sup>nd</sup> advance estimates.

Figures may not add up due to rounding.

Source : Commissionerate of Agriculture, GoM

**7.6.2 Rabi crops:** During *rabi* season of 2019, sowing was completed on 50.87 lakh ha which is 5.6 per cent more than the previous year (48.17 lakh ha). The area of pulses is expected to increase whereas area of cereals and oilseeds is expected to decrease as compared to last year. The production of pulses and cereals is expected to increase whereas production of oilseeds is expected to decrease as compared to last year. The area and production of principal *rabi* crops is given in Table 7.6.

**Table 7.6 Area and production of principal *rabi* crops**

| Crop                    | Area ('000 ha) |                        |                                 | Production ('000 MT) |                        |                              |
|-------------------------|----------------|------------------------|---------------------------------|----------------------|------------------------|------------------------------|
|                         | 2018-19        | 2019-20<br>(tentative) | Per cent<br>change <sup>#</sup> | 2018-19              | 2019-20<br>(tentative) | Per cent change <sup>#</sup> |
| Jowar                   | 1,909          | 1,764                  | (-)8                            | 768                  | 1,421                  | 85                           |
| Wheat                   | 834            | 934                    | 12                              | 1,249                | 1,582                  | 27                           |
| Maize                   | 201            | 198                    | (-)2                            | 380                  | 425                    | 12                           |
| Other cereals           | 13             | 7                      | (-)49                           | 4                    | 2                      | (-)52                        |
| <b>Total cereals</b>    | <b>2,958</b>   | <b>2,902</b>           | <b>(-)2</b>                     | <b>2,401</b>         | <b>3,430</b>           | <b>43</b>                    |
| Gram                    | 1,694          | 2,038                  | 20                              | 1,397                | 1,730                  | 24                           |
| Other pulses            | 110            | 108                    | (-)1                            | 51                   | 50                     | (-)2                         |
| <b>Total pulses</b>     | <b>1,804</b>   | <b>2,147</b>           | <b>19</b>                       | <b>1,448</b>         | <b>1,780</b>           | <b>23</b>                    |
| <b>Total foodgrains</b> | <b>4,762</b>   | <b>5,049</b>           | <b>6</b>                        | <b>3,849</b>         | <b>5,210</b>           | <b>35</b>                    |
| Sesamum                 | 1              | 1                      | (-)9                            | 0.1                  | 0.3                    | 210                          |
| Safflower               | 25             | 22                     | (-)12                           | 12                   | 10                     | (-)17                        |
| Sunflower               | 16             | 3                      | (-)84                           | 3                    | 1                      | (-)50                        |
| Linseed                 | 7              | 8                      | 13                              | 3                    | 2                      | (-)25                        |
| Rapeseed & mustard      | 6              | 5                      | (-)6                            | 2                    | 1                      | (-)37                        |
| <b>Total oilseeds</b>   | <b>55</b>      | <b>39</b>              | <b>(-)29</b>                    | <b>19</b>            | <b>15</b>              | <b>(-)24</b>                 |
| <b>Total</b>            | <b>4,817</b>   | <b>5,087</b>           | <b>6</b>                        | <b>-</b>             | <b>-</b>               | <b>-</b>                     |

<sup>#</sup> Calculated on the basis of actual figures

Note : Figures for 2018-19 are based on final estimates & for 2019-20 are based on 2<sup>nd</sup> advance estimates.

Figures may not add up due to rounding.

Source : Commissionerate of Agriculture, GoM

**7.6.3 Summer crops:** The area of summer crops decreased by 18.8 per cent from 1.33 lakh ha to 1.08 lakh ha during 2018-19 as compared to the previous year.

7.6.4 The time series data on area, production and yield of principal crops is given in Annexure 7.3. Triennial average yield for selected commodities for selected states is given in Table 7.7.

**Table 7.7 Triennial average yield for selected commodities in the selected states**

| State              | Triennial average yield <sup>\$</sup> |                   |                     |                   |                      |
|--------------------|---------------------------------------|-------------------|---------------------|-------------------|----------------------|
|                    | Cereals<br>(kg/ha)                    | Pulses<br>(kg/ha) | Oilseeds<br>(kg/ha) | Cotton<br>(kg/ha) | Sugarcane<br>(MT/ha) |
| Andhra Pradesh     | 3,730                                 | 791               | 954                 | 531               | 77                   |
| Gujarat            | 2,312                                 | 938               | 1,826               | 620               | 61                   |
| Karnataka          | 1,972                                 | 545               | 696                 | 480               | 79                   |
| Punjab             | 4,464                                 | 909               | 1,395               | 580               | 79                   |
| Madhya Pradesh     | 2,601                                 | 977               | 1,021               | 528               | 53                   |
| <b>Maharashtra</b> | <b>1,285</b>                          | <b>699</b>        | <b>919</b>          | <b>339</b>        | <b>83</b>            |
| Rajasthan          | 1,808                                 | 586               | 1,337               | 506               | 76                   |
| Tamil Nadu         | 3,091                                 | 617               | 2,296               | 428               | 83                   |
| Telangana          | 3,085                                 | 726               | 1,426               | 411               | 71                   |
| Uttar Pradesh      | 2,625                                 | 821               | 867                 | NA                | 70                   |
| <b>All India</b>   | <b>2,525</b>                          | <b>765</b>        | <b>1,149</b>        | <b>457</b>        | <b>73</b>            |

\$ 2015-16 to 2017-18

NA Not available

Source : Directorate of Economics and Statistics, Department of Agriculture, Co-operation and Farmers Welfare, GoI



**7.6.5 Index of Agricultural Production:** The time series data regarding index number of agricultural production (Base: Triennial 1979-82) for the State is given in Annexure 7.4.

**7.7 Horticulture:** Horticulture holds on an average 30 per cent share in Gross State Value Added (GSVA) of crops sector. Estimated area and production of horticulture crops is given in Table 7.8.

**Table 7.8 Estimated area and production of horticulture crops**

| Crop                | Area ('000 ha) |                        |                    | Production ('000 MT) |                        |                    |
|---------------------|----------------|------------------------|--------------------|----------------------|------------------------|--------------------|
|                     | 2018-19        | 2019-20<br>(tentative) | Per cent<br>change | 2018-19              | 2019-20<br>(tentative) | Per cent<br>change |
| Fruits              | 755.58         | 744.99                 | (-)1.4             | 10,777.72            | 10,966.42              | 1.8                |
| Vegetables          | 649.28         | 630.58                 | (-)2.9             | 11,471.69            | 12,404.75              | 8.1                |
| Condiments & Spices | 46.24          | 71.74                  | 55.1               | 390.78               | 503.12                 | 28.8               |
| Plantation crops    | 188.72         | 191.70                 | 1.6                | 348.23               | 336.85                 | (-)3.3             |
| Flowers@            | 11.45          | 11.45                  | 0                  | 46.81                | 59.47                  | 27.0               |

@ includes cut and loose flowers

Note : Figures for 2018-19 are based on final estimates and for 2019-20 are based on 1<sup>st</sup> advance estimates

Source : Horticulture Area Production Information System (HAPIS), GoI

## Improved seeds

7.8 Maharashtra State Seeds Corporation (MSSC) and National Seeds Corporation (NSC) are major public sector organisations in production and distribution of quality seeds. Private seed producers are also involved in supply of seeds of various crops. GoI has fixed the seed replacement targets of 35 per cent for self pollinated crops (paddy, wheat, tur, moong, udid, etc.), 50 per cent for cross pollinated crops (maize, jowar, bajra, sunflower, etc.) and 100 per cent for hybrid crops. The quantity of improved seeds distributed for *kharif* and *rabi* seasons is given in Table 7.9.

**Table 7.9 Quantity of improved seeds distributed for *kharif* & *rabi* seasons**

| ('000 quintal)      |               |              |              |                     |                                      |
|---------------------|---------------|--------------|--------------|---------------------|--------------------------------------|
| Distribution Agency | Season        | 2017         | 2018         | 2019<br>( Expected) | Per cent change<br>in 2019 over 2018 |
| Public              | <i>Kharif</i> | 501          | 555          | 793                 | 42.9                                 |
|                     | <i>Rabi</i>   | 274          | 345          | 296                 | (-)14.2                              |
|                     | <b>Total</b>  | <b>775</b>   | <b>900</b>   | <b>1,089</b>        | <b>21.0</b>                          |
| Private             | <i>Kharif</i> | 907          | 1,031        | 901                 | (-)12.6                              |
|                     | <i>Rabi</i>   | 532          | 193          | 572                 | 196.4                                |
|                     | <b>Total</b>  | <b>1,439</b> | <b>1,224</b> | <b>1,473</b>        | <b>20.3</b>                          |
| Total               | <i>Kharif</i> | 1,408        | 1,586        | 1,694               | 6.8                                  |
|                     | <i>Rabi</i>   | 806          | 538          | 868                 | 61.3                                 |
|                     | <b>Total</b>  | <b>2,214</b> | <b>2,124</b> | <b>2,562</b>        | <b>20.6</b>                          |

Source : Commissionerate of Agriculture, GoM

## Fertilisers and pesticides

7.9 During 2018-19 chemical fertilisers were distributed through 47,000 fertiliser distribution outlets of which 88.0 per cent were from private sector followed by co-operative sector (11.4 per cent) and public sector (0.6 per cent). Use of chemical fertilisers is given in Table 7.10

and use of pesticides is given in Table 7.11. Regionwise use of nitrogenous (N), phosphatic (P) and potassic (K) chemical fertilisers is given in Table 7.12.

**Table 7.10 Use of chemical fertilisers**

| Year                 | Total consumption (Lakh MT) | Per hectare consumption (kg) |
|----------------------|-----------------------------|------------------------------|
| 2017-18              | 61.69                       | 124.0                        |
| 2018-19              | 60.08                       | 126.0                        |
| 2019-20 <sup>#</sup> | 78.10                       | 149.6                        |

# anticipated

Source : Commissionerate of Agriculture, GoM

**Table 7.11 Use of Pesticides**

| Year                 | Pesticides |       |
|----------------------|------------|-------|
|                      | Chemical   | Bio   |
| 2017-18              | 15,568     | 1,271 |
| 2018-19              | 11,746     | 1,164 |
| 2019-20 <sup>#</sup> | 12,783     | 1,082 |

# anticipated

Source : Commissionerate of Agriculture, GoM

**Table 7.12 Regionwise use of Nitrogenous, Phosphatic and Potassic chemical fertilisers**

('00 MT)

| Region             | Chemical fertilisers |                |              |               |                      |                |              |               |
|--------------------|----------------------|----------------|--------------|---------------|----------------------|----------------|--------------|---------------|
|                    | 2018-19              |                |              |               | 2019-20 <sup>#</sup> |                |              |               |
|                    | Nitrogenous (N)      | Phosphatic (P) | Potassic (K) | Total         | Nitrogenous (N)      | Phosphatic (P) | Potassic (K) | Total         |
| Konkan             | 356                  | 82             | 106          | 544           | 395                  | 80             | 63           | 538           |
| Nashik             | 3,114                | 1,673          | 1,506        | 6,293         | 4,487                | 2,400          | 1,896        | 8,783         |
| Pune               | 3,473                | 1,810          | 1,475        | 6,758         | 3,990                | 2,392          | 1,847        | 8,229         |
| Aurangabad         | 3,432                | 2,404          | 1,184        | 7,020         | 5,040                | 3,540          | 1,982        | 10,562        |
| Amravati           | 1,734                | 1,290          | 609          | 3,633         | 1,961                | 1,568          | 683          | 4,212         |
| Nagpur             | 1,935                | 1,130          | 388          | 3,453         | 2,011                | 1,142          | 535          | 3,688         |
| <b>Maharashtra</b> | <b>14,044</b>        | <b>8,389</b>   | <b>5,268</b> | <b>27,701</b> | <b>17,884</b>        | <b>11,122</b>  | <b>7,006</b> | <b>36,012</b> |

Source : Commissionerate of Agriculture, GoM

# anticipated

## Irrigation

7.10.1 The irrigated area in command area under the jurisdiction of Water Resources Department, GoM is 35.97 lakh ha in 2018-19. Number of irrigation projects, irrigation potential created and utilised are given in Table 7.13. Number of minor irrigation projects (local sector), irrigation potential created and utilised are given in Table 7.14.

**Table 7.13 Number of irrigation projects, irrigation potential created and utilised**

| Particulars                                                           | Projects of Water Resources Department |                     |       |
|-----------------------------------------------------------------------|----------------------------------------|---------------------|-------|
|                                                                       | Major & Medium                         | Minor               | Total |
| No. of projects completed & ongoing as on 30 <sup>th</sup> June, 2019 | 404                                    | 3,473 <sup>\$</sup> | 3,877 |
| <b>Irrigation potential (lakh ha)</b>                                 |                                        |                     |       |
| (i) Irrigation potential created upto June, 2018                      | 37.50                                  | 13.73               | 51.23 |
| (ii) Area under irrigation by canal & river during 2018-19*           | 17.88                                  | 6.14                | 24.02 |
| (iii) Area under irrigation by wells in command area during 2018-19*  | 10.38                                  | 1.57                | 11.95 |
| (iv) Total irrigation potential utilised during 2018-19 (ii+iii)*     | 28.26                                  | 7.71                | 35.97 |

\$ Includes 284 lift irrigation schemes of Irrigation Development Corporation of Maharashtra (IDCOM)

\* Tentative

Source : Chief Auditor, Water and Irrigation, Aurangabad under Water Resources Department

**Table 7.14 Number of minor irrigation projects (local sector), irrigation potential created and utilised**

| Particulars                                          | K.T.<br>Weirs | Lift<br>Irrigation<br>schemes | Other important types |                      |                     | Total    |
|------------------------------------------------------|---------------|-------------------------------|-----------------------|----------------------|---------------------|----------|
|                                                      |               |                               | M.I.<br>Tanks         | Percolation<br>tanks | Others <sup>s</sup> |          |
| Number of projects as on 30 <sup>th</sup> June, 2019 |               |                               |                       |                      |                     |          |
| Completed                                            | 12,945        | 2,898                         | 2,960                 | 24,212               | 58,856              | 1,01,871 |
| Ongoing                                              | 1,565         | 89                            | 487                   | 1,640                | 3,197               | 6,978    |
| <b>Irrigation potential (Lakh ha)</b>                |               |                               |                       |                      |                     |          |
| (i) Created upto June, 2018                          | 3.49          | 0.41                          | 2.54                  | 6.78                 | 5.44                | 18.66    |
| (ii) Created upto June, 2019                         | 3.55          | 0.42                          | 2.64                  | 6.88                 | 5.47                | 18.96    |
| (iii) Utilised in 2018-19                            | 1.24          | 0.15                          | 0.92                  | 3.44                 | 2.74                | 8.49     |

<sup>\$</sup> includes diversion weir, storage *bandhara*, *maji malgujari* tank, village tank, cement nalla bunds, etc.

Note : Irrigation potential utilised is assumed to be 35 per cent of the irrigation potential created

Source : Office of the Chief Engineer, Minor Irrigation (Local), GoM

**7.10.2 Reservoir storage:** The total live storage as on 15<sup>th</sup> October, 2018 in the major, medium and minor irrigation (State sector) reservoirs taken together was 23,004 million cubic meters, which was about 52.8 per cent of the storage capacity as per the project design. Live storage of water, irrigation potential and actual irrigated area are given in Table 7.15.

**Table 7.15 Live storage of water, irrigation potential and actual irrigated area**

| Year     | Storage capacity<br>as per project<br>design<br>(MCM) | Live storage<br>as on<br>15 <sup>th</sup> October<br>(MCM) | Percentage<br>of live<br>storage | Irrigation<br>potential created<br>(as on 30 <sup>th</sup> June)<br>(Lakh ha) | Actual irrigated<br>area (1 <sup>st</sup> July to<br>30 <sup>th</sup> June)<br>(Lakh ha) | Percentage of<br>actual irrigated<br>area to irrigation<br>potential created |
|----------|-------------------------------------------------------|------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 2014-15  | 42,608                                                | 24,718                                                     | 58.0                             | 48.66                                                                         | 31.37                                                                                    | 64.5                                                                         |
| 2015-16  | 42,960                                                | 17,712                                                     | 41.2                             | 49.10                                                                         | 24.07                                                                                    | 49.0                                                                         |
| 2016-17  | 43,241                                                | 29,971                                                     | 69.3                             | 49.65                                                                         | 40.58                                                                                    | 81.7                                                                         |
| 2017-18  | 43,752                                                | 27,607                                                     | 63.1                             | 50.37                                                                         | 39.42                                                                                    | 78.4                                                                         |
| 2018-19* | 43,572                                                | 23,004                                                     | 52.8                             | 51.23                                                                         | 35.97                                                                                    | 70.2                                                                         |

MCM : Million Cubic Meters

\* Tentative

Source : Chief Auditor, Water and Irrigation, Aurangabad under Water Resources Department

**7.10.3 Reforms in irrigation sector:** Maharashtra Water Resources Regulatory Authority (MWRAA) was established in August, 2005 with a mission to provide sustainable water security to the State. Total 10,974 Water Users Associations (WUA) with an area of 49.79 lakh ha have been formed for management of irrigation system by farmers upto the end of December, 2019 in the State. The time series data on water charges is given in Annexure 7.6.

## Electrification of agricultural pumps

**7.11.1** Number of agricultural pumps in the State is about 42.86 lakh. MAHAVITARAN has energised 60,817 (81.1 per cent) pumps against the target of 75,000 during 2018-19 and during 2019-20 upto December, 42,151 pumps have been energised.

**7.11.2 Atal Saur Krishi Pump Yojana:** The main objective of the scheme is day time power availability for agricultural pumps. In its first phase (2015 to 2018), in all 5,662 solar agricultural pumps were commissioned by MAHAVITARAN as against the target of 7,540. In the second phase (2018-19 onwards) upto December, 2019, in all 7,000 solar agricultural pumps were commissioned by Maharashtra Energy Development Agency.

**7.11.3 Mukhyamantri Saur Krishi Pump Yojana:** GoM has launched this scheme in 2018-19 with main objectives of day time power availability for agricultural pumps and replacement of diesel pumps to reduce pollution. GoM has targeted deployment of one lakh Off-Grid Solar



Powered agricultural pumps in phase wise manner within three years, 25,000 in first phase, 50,000 in second phase and 25,000 in third phase. Farmers not having electric agricultural pump or who are from remote & tribal non-electrified area or from area which is not electrified by MSEDCL, but own agriculture land with assured source of water are eligible beneficiaries. Farmers have to pay maximum 10 per cent of total cost of solar pump as contribution. Under the scheme in all 17,206 solar pumps have been commissioned by MAHAVITARAN upto December, 2019.

## Agricultural finance

7.12.1 Financial assistance is provided to farmers by way of short-term loans, credit, etc. by the government through various banks and co-operative agencies. The National Bank for Agriculture and Rural Development (NABARD) is the apex bank for agricultural and rural development in India. NABARD provides agricultural short term & medium term loans through Maharashtra State Co-operative Bank (MSCB) & District Central Co-operative Banks (DCCB), Regional Rural Banks (RRB) and Commercial Banks (CB). Loans disbursed by Commercial banks, RRB and MSCB/DCCB are given in Table 7.16.

**Table 7.16 Loans disbursed by Commercial Bank, RRB and MSCB/DCCB**

(₹ Crore)

| Type of loan          | Commercial Banks <sup>S</sup> |               | RRB          |              | MSCB/DCCB     |              | Total         |                     |
|-----------------------|-------------------------------|---------------|--------------|--------------|---------------|--------------|---------------|---------------------|
|                       | 2018-19                       | 2019-20       | 2018-19      | 2019-20      | 2018-19       | 2019-20      | 2018-19       | 2019-20             |
| Crop loan             | 17,563                        | 13,983        | 1,709        | 1,360        | 12,011        | 9,554        | 31,283        | 24,897 <sup>#</sup> |
| Agriculture term loan | 36,315                        | 17,835        | 254          | 64           | 62            | 248          | 36,631        | 18,147 <sup>@</sup> |
| <b>Total</b>          | <b>53,878</b>                 | <b>31,818</b> | <b>1,963</b> | <b>1,424</b> | <b>12,073</b> | <b>9,802</b> | <b>67,914</b> | <b>43,044</b>       |

<sup>S</sup> including nationalised banks

<sup>#</sup> upto December

<sup>@</sup> upto September

Source : State Level Bankers' Committee, Maharashtra State

7.12.2 The financial institutions directly associated with agricultural finance at grass root level in the State are Primary Agricultural Credit Co-operative Societies (PACS) which provide short-term crop loans to their cultivator members. During 2018-19, loans of ₹ 12,010 crore were advanced to farmers through PACS. The corresponding figures during 2017-18 were ₹ 10,546 crore.

7.12.3 **Kisan Credit Card Scheme:** Maharashtra State Co-operative Bank issued 36.90 lakh new Kisan Credit Cards (KCC) in the State during 2018-19. The amount of loans sanctioned to the new KCC holders during 2018-19 was ₹ 13,173.69 crore. The agriculture loans disbursed to farmers by MSCB linked to KCC are given in Table 7.17.

**Table 7.17 Agriculture loans to farmers by MSCB linked to KCC**

| Year                 | Short term loans           |                  | Long term loans            |                  |
|----------------------|----------------------------|------------------|----------------------------|------------------|
|                      | No of beneficiaries ('000) | Amount (₹ Crore) | No of beneficiaries ('000) | Amount (₹ Crore) |
| 2017-18              | 2,361                      | 11,651           | 1.97                       | 27.10            |
| 2018-19              | 2,683                      | 13,138           | 7.6                        | 35.46            |
| 2019-20 <sup>+</sup> | 2,259                      | 10,538           | 0.2                        | 3.38             |

Source : Maharashtra State Co-op. Bank Ltd.

<sup>+</sup> upto October

7.12.4 **Chhatrapati Shivaji Maharaj Shetkari Sanman Yojana 2017:** GoM has launched this scheme in June, 2017 with an objective to waive off crop loans borrowed by all family members, after 1<sup>st</sup> April, 2012, from one or more institutions and have become overdue due to natural calamities, as on 30<sup>th</sup> June, 2016. Under the scheme, overdue loans upto ₹ 1.50 lakh, including principle & interest, were waived off without any limit of size of land holding. The scheme was applicable only to individual farmers who have borrowed loan from Nationalised banks, Commercial banks, RRBs, DCCBs and PACS. Since inception of the scheme, upto December 2019, benefit has been given to 44.23 lakh farmers and expenditure of ₹ 19,843 crore has been incurred.

**7.13 Scarcity and natural calamity:** During June to August, 2018 about 37,988 ha area was affected by heavy rainfall and flood. Compensation of ₹ 139.19 crore was sanctioned during 2019-20. During Rabbi season of 2018-19, drought situation affected about 64,231 ha area from three talukas in the State, for which compensation of ₹ 56.61 crore was sanctioned during 2019-20. Scarcity situation during *kharif* season of 2019 affected two talukas in two districts, Ambejogai in Beed district & Paranda in Osmanabad district. Severe drought was declared in Ambejogai and moderate in Paranda. Unseasonal rains during October-November, 2019 due to cyclones 'Kyar' and 'Maha', affected agriculture and horticulture crops from 349 talukas in 34 districts in the State. Compensation for maximum two ha plantation, ₹ 8,000 per hectare for agriculture crops and ₹ 18,000 per hectare for horticulture crops was sanctioned to distressed farmers.

## Agricultural marketing

**7.14** Department of Agricultural Marketing establishes Agricultural Produce Market Committees (APMC) under Maharashtra Agricultural Produce Marketing (Development & Regulation) Act, 1963 and provides infrastructure for sale of agricultural produce so that farmers get adequate price of their agricultural produce and are protected from exploitation by traders and middleman by offering low prices. Total 305 APMC and 624 subyards have been established in the State. Number of direct marketing licenses issued upto 11th November, 2019 was 1,113. Apart from these, 59 private market licenses have been issued. The quantity and value of arrivals in all the market committees are given in Table 7.18.

**Table 7.18 Quantity & value of arrivals in all APMC**

| Year    | Quantity<br>(Lakh MT) | Value<br>(₹ Crore) |
|---------|-----------------------|--------------------|
| 2016-17 | 209.60                | 50,398             |
| 2017-18 | 211.50                | 56,995             |
| 2018-19 | 213.70                | 45,886             |

Source : Maharashtra State Agricultural Marketing Board

**7.15 Minimum Support Price (MSP) Scheme:** The idea behind MSP is to give guaranteed price & assured market to the farmers and protect them from the price fluctuations, which in turn makes the agricultural activity economically viable. Based on the recommendations of the Commission for Agricultural Costs and Prices, GoI declares Minimum Support Prices (MSP) for selected crops before their sowing seasons. The guaranteed price and assured market is expected to encourage higher investment and adoption of modern farming practices. Under the scheme, procurement in the State is undertaken by Maharashtra State Co-operative Marketing Federation, Maharashtra State Co-operative Tribal Development Corporation, National Agricultural Co-operative Marketing Federation and Maharashtra State Co-operative Cotton Growers Federation and APMC. The MSP declared for selected crops by GoI are given in Table 7.19.

**Table 7.19 MSP declared for selected crops by GoI**

| Crop                   | (₹/quintal) |         |         |
|------------------------|-------------|---------|---------|
|                        | MSP         |         |         |
|                        | 2017-18     | 2018-19 | 2019-20 |
| Paddy (FAQ)            | 1,550       | 1,750   | 1,815   |
| Paddy (Grade A)        | 1,590       | 1,770   | 1,835   |
| Jowar (Hybrid)         | 1,700       | 2,430   | 2,550   |
| Jowar (Maldandi)       | 1,725       | 2,450   | 2,570   |
| Wheat                  | 1,735       | 1,840   | 1,925   |
| Maize                  | 1,425       | 1,700   | 1,760   |
| Bajra                  | 1,425       | 1,950   | 2,000   |
| Gram                   | 4,400       | 4,620   | 4,875   |
| Tur                    | 5,450       | 5,675   | 5,800   |
| Moong                  | 5,575       | 6,975   | 7,050   |
| Udid                   | 5,400       | 5,600   | 5,700   |
| Sunflower              | 4,100       | 5,388   | 5,650   |
| Soyabean               | 3,050       | 3,399   | 3,710   |
| Groundnut-in-shell     | 4,450       | 4,890   | 5,090   |
| Cotton (Medium Staple) | 4,020       | 5,150   | 5,255   |
| Cotton (Long Staple)   | 4,320       | 5,450   | 5,550   |
| Safflower              | 4,100       | 4,945   | 5,215   |
| Ragi                   | 1,900       | 2,897   | 3,150   |

FAQ: Fair Average Quality

Source: The Maharashtra State Co-operative Marketing Federation Ltd.

**7.16 Sant Shiromani Shri Savata Mali Shetkari Athavade Baajar Abhiyaan:** The State has launched this *abhiyaan* from August, 2016 to reduce the post-harvest losses of perishable produce, by way of direct sell of agriculture produce from farmers to consumers.

Various departments of the State Government, Municipal Corporations/ Councils are directed to make land and temporary infrastructure available for these weekly markets for farmers. Farmers, groups of farmers, production companies formed by farmers, consumer co-operative societies and producers' co-operative societies are free to sell their fresh, clean and properly weighed agriculture produce in these markets at cheaper rates to consumers. Under the *abhiyaan*, upto December, 2019 out of 62 sanctioned markets for farmers, 32 weekly markets are functioning, where farmers get opportunity to sell fruits & vegetables to consumers directly without any middleman in these markets.

**7.17 National Agriculture Market (NAM):** e-NAM is a pan-India electronic trading portal which is a device to connect existing physical APMC *mandis* which can be accessed online. This provides a single window service for all APMC related information & services and includes information on commodity arrivals & prices, buy & sell trade offers, provision to respond to trade offers. While material flow of agriculture produce continues through *mandis*, an online market reduces transaction costs and information asymmetry. In all 60 market committees in the State have been included under e-NAM. Of these 60 APMC, online gate entry, e-auction have been started in 60 market committees and e-payment has been started in 31 APMC. At the end of November, 2019 in all 68.39 lakh quintal of grains have been e-auctioned amounting to ₹ 2,119 crore and e-payment of ₹ 52.57 crore has been done. In 60 APMC, Assaying labs have been established to monitor quality of agriculture produce.

### **Selected agricultural development schemes**

**7.18** Agricultural development schemes of GoI are implemented through the State Government and funds are allocated for various schemes. The State Government also implements various important state schemes.

**7.19 Rashtriya Krishi Vikas Yojana (RKVY):** GoI has approved RKVY to be continued as Rashtriya Krishi Vikas Yojana – Remunerative approaches for agriculture & allied sector rejuvenation (RKVY-Raftaar) for the period of three years (2017-18 to 2019-20). RKVY-Raftaar has the objective of making farming a remunerative economic activity through strengthening farmers' efforts, risk mitigation and promoting agri-business entrepreneurship. The distribution of total estimated provision for the scheme is in such a manner that 70 per cent is reserved for growth in production, infrastructure and assets to states, 20 per cent for special sub-schemes under RKVY-Raftaar which are of national priority and 10 per cent for innovation and agri-entrepreneurship development projects. Under the scheme during 2018-19, grants of ₹ 406.76 crore were received, of which ₹ 366.18 crore were utilised. During 2019-20 upto January, out of ₹ 434.47 crore grants sanctioned, first Installment of ₹ 213.39 crore has been received and ₹ 128.99 crore has been utilised.

**7.20 National Mission on Agriculture Extension and Technology (NMAET):** The aim of NMAET is to restructure & strengthen agricultural extension to enable delivery of appropriate technology and improved agronomic practices to the farmers. The mission consists of four sub-missions viz. Agriculture Extension, Seed and Planting Material, Agricultural Mechanisation and Plant Protection & Quarantine.

**7.20.1 Support to Agriculture Technology Management Agency (ATMA) Scheme:** The major components covered under the scheme for Agriculture extension are farmers' trainings, demonstrations, farmers' exposure visits, formation & capacity building of farmers' groups, farm school, *kissan goshthies*, agriculture exhibitions, *kissan mela*, farmers' friends, etc. Under the scheme during 2019-20 upto January, total expenditure incurred was ₹ 46.15 crore.

**7.20.2 Sub-Mission on Seed and Planting material (SMSP):** The scheme is being implemented in the State from 2014-15 through Maharashtra State Seeds Corporation, so that farmers get quality/certified seeds at affordable prices, which helps in increasing agricultural production. Under the scheme, assistance is provided for distribution of certified seeds for one acre area per farmer. For cereal crops assistance provided is 50 per cent and 60 per cent for pulses & oilseed crops. During 2018-19 expenditure incurred was ₹ 50.45 crore. During 2019-20 upto December expenditure incurred was ₹ 20.45 crore.

**7.21 Orchard Plantation Scheme under Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA):** This 100 per cent centrally sponsored scheme is being implemented in 34 districts of the State from 2011-12. Objectives of the scheme are enhancing income of MGNREGA job card holder farmers and employment generation by plantation of horticulture crops in their own productive or fallow land upto two ha. It is mandatory for a beneficiary to hire a MGNREGA job card holder as a labour for this work. Beneficiaries are selected by *Grampanchayat & Gramsabha*. Training for horticulture plantation is given under the scheme. During 2018-19, plantation was done on 12,183 ha and an expenditure incurred was ₹ 81 crore. During 2019-20, upto 30<sup>th</sup> January plantation was completed on 15,885 ha and an expenditure incurred was ₹ 55.10 crore.

**7.22 National Food Security Mission (NFSM):** The mission was launched in 2007-08 to increase the production of rice, wheat and pulses through area expansion and productivity enhancement, restoring soil fertility and productivity, creating employment opportunities and enhancing farm level economy. From 2014-15, coarse cereals and commercial crops viz. cotton, jute and sugarcane have been included under NFSM. From 2015-16, the mission is being implemented on 60:40 sharing pattern between GoI and GoM. During 2018-19 an expenditure of ₹ 7.84 crore for rice, ₹ 2.55 crore for wheat, ₹ 131.83 crore for pulses, ₹ 11.18 crore for additional pulses, ₹ 4.47 crore for coarse cereals and ₹ 11.31 crore for nutri-cereals was incurred. During 2019-20 upto September an expenditure of ₹ 4.47 crore for rice, ₹ 0.25 crore for wheat, ₹ 51.29 crore for pulses, ₹ 2.55 crore for coarse cereals and ₹ 9.19 crore for nutri-cereals was incurred. National Mission on Oilseed and Oil palm, launched in 2014-15 has been merged with NFSM in 2018-19. NFSM (oilseed crops) and NFSM (Tree Borne Oilseed crops) are the two sub-missions being implemented under the mission in the State. During 2018-19, expenditure incurred was ₹ 55.01 crore. During 2019-20 upto January, GoM has released ₹ 28.58 crore as against the sanctioned grants of ₹ 52.72 crore and expenditure incurred is ₹ 21.35 crore.

**7.23 Mission for integrated Development of Horticulture (MIDH) :**

The National Horticulture Mission (NHM) has been launched by GoI in 2005-06, with the main objective of increasing the area and productivity under horticulture and to promote post-harvest management such as controlling ripening, edible coating, temperature management, chemical treatment, etc.

**7.23.1 Maharashtra State Horticulture and Medicinal Plants Board (MSHMPB)** was established in 2005 to implement schemes of NHM and National Medicinal Plants Board (NMPB). From 2015-16 the Mission for Integrated Development of Horticulture (MIDH) is implemented in 34 districts in the State and proportion of share of GoI & GoM is 60:40.

**7.23.2** Since inception upto December, 2019 the MSHMPB received total grants of ₹ 2,005.62 crore under MIDH and total expenditure incurred was ₹ 1,997.06 crore. Expenditure incurred on major components of MIDH is given in Table 7.20.

**Table 7.20 Expenditure on major components of MIDH**

| (₹ Crore)                                                                                                                                       |                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Component                                                                                                                                       | Expenditure incurred <sup>+</sup> |
| Area expansion for high density plantation of mango, guava, oranges, etc. and plantation of grapes, banana, papaya, spices & flower crops, etc. | 477.10                            |
| Construction of 21,844 community tanks                                                                                                          | 453.65                            |
| Establishment of green house, shed net house, plastic mulching, anti-bird/ anti-hail net, etc. under protected cultivation                      | 371.27                            |
| Construction of pack house, ripening chamber, onion storage structure, cold storage, pre-cooling unit, etc. to promote post-harvest management  | 308.01                            |
| Promotion of horticulture mechanisation                                                                                                         | 69.66                             |
| Rejuvenation of old orchards                                                                                                                    | 47.18                             |
| Establishment of high-tech nurseries and tissue culture laboratories for production of quality planting material                                | 27.95                             |
| Farmers' training/study tours under human resource development                                                                                  | 32.40                             |
| Promotion of organic farming                                                                                                                    | 21.25                             |
| Promotion of integrated pest/nutrient management                                                                                                | 20.64                             |
| Establishment of 19 mushroom projects                                                                                                           | 2.42                              |
| Promotion of bee keeping                                                                                                                        | 1.79                              |
| Mission Management                                                                                                                              | 73.33                             |
| Indo Israil/Indo Dutch projects-6                                                                                                               | 37.81                             |
| Innovative components                                                                                                                           | 18.71                             |
| Others                                                                                                                                          | 33.89                             |

+ since inception upto October, 2019

Source : Maharashtra State Horticulture & Medicinal Plants Board

7.23.3 Grapes, mango, pomegranate and bananas are the major fruits exported from the State. Area under various fruit crops during 2018-19 was 7.56 lakh ha, of which area under mango was highest (1.67 lakh ha) followed by pomegranate (1.60 lakh ha), mandarin orange (1.09 lakh ha), grapes (1.03 lakh ha), banana (0.68 lakh ha), sweet orange (0.54 lakh ha) and sapota (0.16 lakh ha). The quantity & value of export of various fruits, vegetables & flowers from the State and India are given in Table 7.21.

**Table 7.21 Quantity & value of exports of fruits, vegetables & flowers**

| Fruits/<br>flowers                                           | State /<br>Country | 2017-18          |                    | 2018-19          |                    | 2019-20 <sup>+</sup> |                    |
|--------------------------------------------------------------|--------------------|------------------|--------------------|------------------|--------------------|----------------------|--------------------|
|                                                              |                    | Quantity<br>(MT) | Value<br>(₹ Crore) | Quantity<br>(MT) | Value<br>(₹ Crore) | Quantity<br>(MT)     | Value<br>(₹ Crore) |
| Mango                                                        | Maharashtra        | 35,343           | 309                | 29,346           | 314                | 28,893               | 294                |
|                                                              | India              | 49,181           | 382                | 46,507           | 407                | 48,372               | 385                |
| Grapes                                                       | Maharashtra        | 2,00,203         | 2106               | 1,94,109         | 2,118              | 37,077               | 355                |
|                                                              | India              | 2,14,441         | 2146               | 2,46,134         | 2,335              | 44,583               | 382                |
| Banana                                                       | Maharashtra        | 44,559.3         | 149.4              | 61,829.23        | 207.57             | 50,266.21            | 168.91             |
|                                                              | India              | 1,01,314         | 348.8              | 1,34,495.58      | 412.06             | 1,11,104.34          | 332.25             |
| Orange                                                       | Maharashtra        | 876.24           | 4.53               | 37.23            | 0.27               | 4.48                 | 0.03               |
|                                                              | India              | 15,835.2         | 34.84              | 407.58           | 1.17               | 1,111.34             | 2.10               |
| Pomegranate                                                  | Maharashtra        | 32,653           | 412                | 40,721           | 491                | 17,742               | 213                |
|                                                              | India              | 47,336           | 538                | 67,891           | 689                | 48,555               | 388                |
| Raisins ( <i>manuka</i> )                                    | Maharashtra        | 24,425           | 231                | 18,183           | 248                | 17,763               | 196                |
|                                                              | India              | 25,559           | 239                | 18,925           | 259                | 18,488               | 206                |
| Rose flowers                                                 | Maharashtra        | 877.01           | 28.84              | 863.36           | 29.80              | 229.62               | 6.91               |
|                                                              | India              | 2,516.79         | 57.95              | 2,133.66         | 57.46              | 897.48               | 20.07              |
| Rose saplings                                                | Maharashtra        | 37.78            | 1.81               | 38.65            | 3.17               | 30.63                | 2.56               |
|                                                              | India              | 45.43            | 2.19               | 40.88            | 3.30               | 31.47                | 2.64               |
| Mango pulp                                                   | Maharashtra        | 20,659           | 156                | 21,358           | 162                | 10,032               | 75                 |
|                                                              | India              | 1,10,924         | 674                | 1,05,869         | 658                | 57,616               | 384                |
| Onion                                                        | Maharashtra        | 10,54,618        | 1,972              | 13,23,481        | 1,941              | 6,51,783             | 1,173              |
|                                                              | India              | 15,88,986        | 3,089              | 21,82,824        | 3,467              | 9,58,185             | 1,886              |
| Other vegetables<br>(excluding<br>onion)                     | Maharashtra        | 1,94,233         | 838                | 1,52,770         | 679                | 71,419               | 390                |
|                                                              | India              | 7,72,448         | 2,093              | 7,20,556         | 1,951              | 5,13,761             | 1,349              |
| Other processed<br>fruits & vegetables<br>(excl. mango pulp) | Maharashtra        | 1,19,043         | 1,070              | 1,71,939         | 1,755              | 1,14,864             | 1,162              |
|                                                              | India              | 3,91,284         | 3,405              | 5,87,709         | 5,279              | 4,05,139             | 3,805              |

Source : Commissionerate of Agriculture, GoM

+ upto November

**7.24 Promotion of Kitchen Garden in Tribal Districts:** The scheme is being implemented in 14 tribal districts viz. Thane, Pune, Nasik, Dhule, Nandurbar, Jalgaon, Ahmednagar, Nanded, Amravati, Yeotmal, Gadchiroli, Chandrapur, Palghar and Gondia which have been facing the problem of malnutrition. The scheme aims at providing balanced diet, rich in vitamin A & C and other essential minerals like iron and other nutrients, by promoting plantation of fruit trees and vegetables in the backyards of their residence. During 2018-19, an expenditure of ₹ 15.40 lakh was incurred. During 2019-20 upto December, ₹ 14.40 lakh grants are received and expenditure incurred is ₹ 4.30 lakh.

**7.25.1 Dr. Babasaheb Ambedkar Krishi Swavalamban Yojana:** Under the scheme financial assistance is provided in the form of 100 per cent subsidy to SC & Neo-Buddhist farmers whose land holding is upto six ha and annual income is upto ₹ 1.50 lakh, with an objective to provide sustainable irrigation facility such as new well, old well repairing, plastification of farm pond, inwell boaring, pumpset, electric connection charges, etc. During 2018-19 the amount utilised was ₹ 266.98 crore. Grants of ₹ 273.62 crore are sanctioned for 2019-20.



**7.25.2 Birsa Munda Krishi Kranti Yojana:** Under the scheme financial assistance is provided in the form of 100 per cent subsidy to ST farmers whose land holding is upto six ha and annual income is upto ₹ 1.50 lakh, with an objective to provide sustainable irrigation facility such as new well, old well repairing, plastification of farm pond, in well boaring, pumpset, electric connection charges, etc. During 2018-19 the amount utilised was ₹ 119.30 crore. Grants of ₹ 100.71 crore are sanctioned for 2019-20.

**7.26 Crop pest surveillance and advisory project (CROPSAP):** CROPSAP is online, real time Crop Pest Management Advisory Project in India which is being implemented in collaboration with various National Agriculture Research Institutes and State Agriculture Universities. The objective of the project is to create awareness among farmers about pest management and knowledge updating through trainings and field visits, giving early warning of pest to adopt appropriate management strategies, scientific advisory free of cost SMS to farmers. It covers Rice, Soyabean, Cotton, Red Gram, Maize, Sorghum, Sugarcane and Gram crops. During 2019-20 special emphasis was given on the management of the outbreak of Fall Army Worm on maize, sorghum and sugarcane crops and White Grub on sugarcane crop. Through the project 526.99 lakh plant protection advisory SMS were sent to farmers, for management of pest and diseases. Grant of ₹ 18.42 crore was utilised for this project during 2018-19 and ₹ 20 crore are sanctioned for 2019-20.

**7.27 Jalyukt Shivar Abhiyaan:** Jalyukt Shivar Abhiyaan is being implemented in the State since December, 2014 with a view to overcome the water scarcity situation permanently. The main objective of this *abhiyaan* is to increase ground water level by absorption of rain water along with creation of sustainable irrigation facilities. It was targeted to make 5,000 villages every year and 25,000 villages in five years, free of water scarcity. From 2015-16 to 2018-19 in all 19,655 villages are free of water scarcity. Progress of Jalyukt Shivar Abhiyaan is given in Table 7.22.

**Table 7.22 Progress of Jalyukt Shivar Abhiyaan**

| Particulars                                                      | Unit    | 2015-16   | 2016-17  | 2017-18  | 2018-19  |
|------------------------------------------------------------------|---------|-----------|----------|----------|----------|
| Selected villages                                                | no.     | 6,202     | 5,288    | 5,028    | 6,071    |
| Works completed                                                  | no.     | 2,39,747  | 1,74,302 | 1,24,208 | 89,743   |
| Works in progress                                                | no.     | 0         | 0        | 392      | 13,128   |
| Works done through public participation                          | no.     | 6,374     | 3,241    | 992      | 111      |
| Value of works done through public participation                 | ₹ Crore | 388.80    | 195.82   | 25.64    | 7.41     |
| Total special funds provided                                     | ₹ Crore | 1,600     | 1,875    | 1,200    | 1,500    |
| Expenditure of special funds                                     | ₹ Crore | 1,858     | 1,842    | 671      | 330      |
| Created water storage                                            | TCM     | 10,87,854 | 8,71,623 | 4,76,367 | 2,72,453 |
| Villages with completion of 100 per cent works                   | no.     | 6,202     | 5,288    | 5,008    | 3,157    |
| Total expenditure through special funds and convergence of funds | ₹ Crore | 3,900     | 3,015    | 1,587    | 986      |

Source : Rural Development & Water Conservation Department, GoM

TCM Thousand Cubic Meters

**7.28 Magel Tyala Shet Tale Yojana:** GoM launched a flagship programme ‘Magel Tyala Shet Tale Yojana (Farm Pond on Demand)’, to provide sustainable protective irrigation facility to farmers. The scheme helped farmers to capture run-off water in their own farm to use in dry spell at critical stage of growing crops which also helped to increase the productivity. Under the scheme according to the dimensions of farm pond maximum subsidy of ₹ 50,000 is given to farmers who own minimum 0.60 ha land. In all 1,37,447 farm ponds were completed upto December, 2019.

**7.29 Watershed development programme:** Since majority of the area in the State is rainfed, various schemes are implemented to increase the productivity of dry agriculture land, prevention of deterioration of soil and water conservation. Completed and ongoing micro watersheds under various schemes are given in Table 7.23.

**Table 7.23 Completed and ongoing micro watersheds**

| Scheme                                                                               | Number of watersheds <sup>#</sup> |               |                 | Expenditure incurred on selected watersheds upto June, 2019 (₹ Crore) |
|--------------------------------------------------------------------------------------|-----------------------------------|---------------|-----------------|-----------------------------------------------------------------------|
|                                                                                      | Selected                          | Completed     | Under execution |                                                                       |
| 1. <i>Jalyukt Shivar Abhiyaan</i>                                                    | 22,586                            | 19,800        | 2,786           | 9,603.09                                                              |
| 2. Integrated watershed management programme                                         | 14,879                            | 7,479         | 7,400           | 2,928.00                                                              |
| 3. Accelerated Watershed Development programme                                       | 9,865                             | 5,363         | 4,502           | 2,857.82                                                              |
| 4. National watershed development programme (micro watershed)                        | 1,028                             | 956           | 72              | 290.59                                                                |
| 5. <i>Vidarbha Panlot Vikas Mission</i>                                              | 1,032                             | 1,032         | 0               | 365.36                                                                |
| 6. <i>Marathwada Panlot Vikas Mission</i>                                            | 285                               | 285           | 0               | 137.34                                                                |
| 7. River Basin development programme (micro watershed)                               | 271                               | 226           | 45              | 580.80                                                                |
| 8. Western Ghat development programme (mega watershed)                               | 160                               | 160           | 0               | 137.19                                                                |
| 9. Rural Infrastructure Development Programme NABARD assistance                      | 364                               | 364           | 0               | 86.87                                                                 |
| 10. Other Schemes (DPAP, <i>Hariyali</i> , <i>Jawahar</i> , <i>Ashwashit</i> , etc.) | 5,680                             | 5,680         | 0               | -                                                                     |
| <b>Total</b>                                                                         | <b>41,962</b>                     | <b>38,195</b> | <b>3,767</b>    | <b>15,448.55</b>                                                      |

<sup>#</sup> Column totals do not match as micro watershed from other schemes completed above 50 per cent were selected in the Jalyukt Shivar Abhiyaan resulting in duplication of no. of watersheds.

Source : Commissionerate of Agriculture, GoM

**7.30 National Mission for Sustainable Agriculture (NMSA):** National Mission for Sustainable Agriculture has been formulated for enhancing agricultural productivity, especially in rainfed areas, focusing on integrated farming, water use efficiency, soil health management and synergizing resource conservation. It includes sub-missions on Soil Health Management and Distribution of Soil Health Cards, Integrated Nutrient Management (INM) & organic farming, Rainfed Area Development (RAD), e-Governance and On Farm Water Management.

**7.30.1 Soil Health Management (SHM) and Distribution of Soil Health Cards (SHC):** This sub-mission is introduced to promote the use of integrated nutrient management for maintaining soil health and improving soil fertility. In the State, 31 soil testing laboratories are established for examining soil and water samples along with five fertiliser sample testing laboratories at Amravati, Aurangabad, Nashik, Pune and Kolhapur. To create awareness about soil health status and suggesting measures for the improvement of soil health, SHC are distributed to farmers in phased manner. The grants utilised for this purpose during 2017-18 were ₹ 22.36 crore and that during 2018-19 were ₹ 26 crore. In all 1.31 crore SHC were distributed to farmers upto January, 2020.

**7.30.2 Rainfed Area Development Programme (RAD):** Rainfed agriculture is risk prone activity, mainly due to its dependence on climate. Rainfed Area Development Programme has special objective to minimise risk by providing agriculture based income generating opportunities and sustaining the rainfed agriculture through optimum utilisation of potential of natural resources and resources created through various interventions. During 2018-19 funds of ₹ 38.54 crore were received from GoI, of which ₹ 32.53 crore were spent on 11,037 beneficiaries.

**7.30.3 Paramparagat Krishi Vikas Yojana (PKVY):** PKVY is a sub-component of Soil Health Management scheme under NMSA. Objectives of the PKVY are increasing soil fertility and producing healthy food through organic practices without use of chemicals, empowering farmers through cluster approach in farm practice management, quality assurance and direct marketing through innovative means. Benefits of the scheme are given to each cluster (maximum 50 farmers in a cluster of 50 acres land) for three consecutive years. During 1<sup>st</sup> phase of the scheme (2016-17 to 2018-19), 932 clusters of 40,762 beneficiary farmers, covering 20,346 ha land were formed and expenditure incurred was ₹ 92.60 crore. During 2<sup>nd</sup> phase of the scheme (2017-18 to 2019-20), 326 clusters of 11,803 beneficiary farmers, covering 7,160 ha land were formed and expenditure incurred was ₹ 11.64 crore. During 2019-20 grants of ₹ 16.66 crore have been disbursed.

**7.31 Pradhan Mantri Krishi Sinchai Yojana (PMKSY):** The major objective of PMKSY is to expand cultivable area under assured irrigation, improve on-farm water use efficiency to reduce wastage of water, enhance the adoption of precision-irrigation and other water saving technologies such as Sprinkler and drip irrigation (More Crop Per Drop). The scheme is being implemented in the State from 2015-16. As per the operational guidelines received from GoI in 2017-18, subsidy norm for small & marginal farmers is 55 per cent and for other farmers is 45 per cent limited to five ha area. Submission of applications was made easy through e-thibak software. During 2019-20 as on 11<sup>th</sup> February, in all 32,203 ha area is newly brought under micro irrigation and subsidy has been credited to bank accounts of 42,081 eligible farmers. Sprinkler and drip irrigation sets distributed and expenditure incurred under PMKSY are given in Table 7.24.

**Table 7.24 Sprinkler & drip irrigation sets distributed and expenditure incurred**

| Year                 | Sprinkler irrigation sets |           | Drip irrigation sets |           | Expenditure incurred<br>(₹ Crore) |
|----------------------|---------------------------|-----------|----------------------|-----------|-----------------------------------|
|                      | No. of sets               | Area (ha) | No. of sets          | Area (ha) |                                   |
| 2017-18              | 1,10,610                  | 72,814    | 1,53,589             | 1,36,180  | 687.84                            |
| 2018-19              | 71,070                    | 44,751    | 1,03,548             | 85,374    | 414.49                            |
| 2019-20 <sup>+</sup> | 13,581                    | 8,267     | 28,500               | 23,936    | 111.19                            |

Source : Commissionerate of Agriculture, GoM

+ As on 11<sup>th</sup> February, 2020

**7.32 Pradhan Mantri Fasal Bima Yojana:** This scheme is being implemented to provide insurance coverage and financial support to the farmers in the event of failure of any of the notified crops as a result of natural calamities, pests & diseases and to stabilise income of farmers to ensure their continuous contribution in farming. The scheme is being implemented from *kharif* season 2016 in the State. Food crops, oilseeds, horticultural and cash crops are covered under the scheme. The erstwhile National Agricultural Insurance Scheme has been integrated with this scheme. Farmers have to pay insurance premium maximum up to five per cent of amount assured, depending on the type of crop. During 2018-19, in all 143.78 lakh farmers participated in the scheme, wherein area insured was 84.89 lakh ha with sum assured of ₹ 26,586.56 crore and gross



premium paid was ₹ 4,916.41 crore. Compensation claims of ₹ 4,301.53 crore are proposed for 78.97 lakh beneficiary farmers. During 2019-20, in all 140.59 lakh farmers participated in the scheme, wherein area insured was 75.02 lakh ha with sum assured of ₹ 25,200.26 crore and gross premium paid was ₹ 4,931.13 crore. For *kharif* season 2019, Compensation claims of ₹ 344.87 crore are proposed for 12.28 lakh beneficiary farmers.

**7.33 Weather Based Crop Insurance Scheme for Fruit Crops:** Weather based fruit crop insurance scheme is being implemented for grapes, pomegranate, banana, orange, sweet orange, guava, sapota, mango, lemon and cashew nut in the State. During 2018-19, in all 3.50 lakh farmers participated in the scheme, wherein area insured was 3.08 lakh ha with sum assured of ₹ 3,545.54 crore and gross premium paid was ₹ 1,187.68 crore. During 2018-19 compensation claims of ₹ 1,414.18 crore are paid (progressive) to 3.45 lakh beneficiary farmers.

**7.34 Gopinath Munde Farmers Accident Insurance Scheme:** Some farmers lose their lives or become physically handicapped due to lightening, flood, snake bite, electric current shock, road or railway accidents, animal attacks, poisoning while spraying pesticides, etc. or while working in the fields. The scheme was launched in 2015-16 to give financial assistance upto ₹ 2 lakh to the aggrieved family members of the unfortunate farmers. Under the scheme, insurance cover is provided to two members of a family, in the age group of 10 to 75 years, one 7/12 or 8A abstract holder and one non holder. During policy period of 8<sup>th</sup> December, 2017 to 7<sup>th</sup> December, 2018 the compensation given to the farmers was ₹ 43.22 crore, while during policy period of 8<sup>th</sup> December, 2018 to 7<sup>th</sup> December, 2019 the compensation given to the farmers was ₹ 12.52 crore (progressive).

**7.35 Unnat Sheti-Samruddha Shetkari Campaign:** GoM has initiated this campaign from *kharif* 2017-18 with the objective of Doubling Farmers' Income by the year 2022. During 2019-20 upto January, in all 88,600 ha block demonstrations were organised and expenditure of ₹ 57.36 crore was incurred for crops under NFSM viz. rice, wheat, pulses, cereals, sugarcane, nutria-cereals and cotton. During 2019-20 upto January, in all 21,580 ha block demonstrations were organised and expenditure of ₹ 9.39 crore was incurred for crops under NFSM oilseed & oilpalm. During 2019-20 upto January, training of 1,440 farmers was organised and expenditure of ₹ 1.17 crore was incurred for crops under NFSM viz. rice, wheat, pulses, cereals & nutria-cereals, while training of 64 farmers was organised and expenditure of ₹ 0.05 crore was incurred for crops under NFSM viz. oilseeds & oilpalm. Supply of 6,095 farm implements was made and an expenditure of ₹ 16.43 crore was incurred under NFSM rice, wheat, pulses, cereals, sugarcane & cotton, while supply of 793 farm implements was made and an expenditure of ₹ 1.41 crore was incurred under NFSM oilseeds and oilpalm during 2019-20 upto January.

**7.35.1 Agricultural Mechanization:** To tackle challenges posed due to declining size of landholding, decreasing number of bullocks, non-availability of labours, increasing labour wages, short period of *kharif* season, varied cropping pattern, Agricultural Mechanisation Campaign is being implemented under *Unnat Sheti Samruddha Shetkari* Campaign in the State since 2017-18. Components of this campaign are subsidy to farmers for purchase of improved agricultural equipments and establishment of agricultural equipments banks. Under this campaign 48,573 farmers have been benefited with ₹ 358.62 crore subsidy during 2017-18 and 60,070 farmers have been benefited with ₹ 341.72 crore subsidy during 2018-19. During 2019-20 upto January, 21,675 farmers have been benefited with ₹ 137.36 crore subsidy for purchase of improved agriculture implements.

7.36 **MAHAVEDH:** GoM has launched a Public Private Partnership (PPP) project *MAHAVEDH* in 2017. A network of 2,061 Automatic Weather Stations (AWS) called Skysense is established, each AWS covering maximum 12 sq km area. An AWS continuously & automatically captures weather parameters such as rainfall, air temperature, relative humidity, wind speed & wind direction. Information of the real time weather data is recorded every 10 minutes and transferred to Central Data Centre on hourly basis. *MAHAVEDH* data is used for crop insurance schemes, weather forecasting, crop advisories, research and development work by Universities or by Indian Council of Agriculture Research, implementation of Government welfare schemes, disaster management or for any other purpose involving larger public interests.

7.37 **Bhausahab Fundkar Falbaug Lagwad Yojana:** GoM has launched this scheme from *kharif* season of 2018-19 in 34 districts in the State. Under the scheme, benefits are given to farmers who cannot avail benefits of horticulture plantation under Mahatma Gandhi National Rural Employment Guarantee Scheme of GoI, because of being not registered under MGNREGA. The main objectives of the scheme are enhancing farmers' income, employment generation for young farmers, changing cropping pattern, creating sustainable source of income, increasing raw material availability for processing industry and conservation of natural resources. This scheme includes plantation of 16 perennial horticulture crops. During 2019-20 grants of ₹ 46.94 crore were received of which ₹ 19.91 crore have been spent on plantation programme upto January. In all 11,111 beneficiary farmers have undertaken fruit plantations on 10,706 ha area.

7.38 **Chief Minister Agriculture and Food processing scheme:** Chief Minister Agriculture and Food Processing Scheme is being implemented in the State since 2017-18 for five years. The main objectives of the scheme are to encourage modern technology based projects to save electricity & quality enhancement of agriculture produce, to encourage exports, to create skilled manpower for agro & food processing and employment generation through small and medium agro & food processing units in rural areas. Out of 440 proposals, 158 proposals were approved upto January, 2020. During 2019-20 grants of ₹ 40 crore have been approved and an expenditure of ₹ 7.50 crore was incurred upto January.

7.39 **Pradhan Mantri Kisan Samman Nidhi (PM-KISAN):** With a view to augment income of Small and Marginal Farmers (SMF), GoI has launched PM-KISAN scheme from 2018-19. Under the Scheme, a direct payment of ₹ 6,000 per year is transferred in three equal installments of ₹ 2,000 each, into the *Aadhaar* linked bank accounts of eligible family, comprising of husband, wife and minor children. First installment paid was for the period 1<sup>st</sup> December, 2018 to 31<sup>st</sup> March, 2019. Under the scheme, as on 12<sup>th</sup> February, 2020 in all 72.21 lakh beneficiary farmers have been benefited and total amount of ₹ 3,909.82 crore has been credited to beneficiary farmers' bank accounts.

7.40 **Scheme for promotion and strengthening of Group Farming:** GoM has launched a scheme for group farming on pilot basis to achieve the target of doubling of farmers' income by the year 2022. A group of 20 farmers having minimum 50 acre land in Konkan division or 100 acre

land in rest of the divisions is eligible under this programme. Financial assistance for Konkan is ₹ one lakh per acre and up to ₹ one crore for rest of the regions. The scheme was announced for 2017-18 and 2018-19 on pilot basis. During 2019-20 grants of ₹ 60 crore have been released. Progress under the scheme is given in Table 7.25.

**Table 7.25 Progress of scheme for promotion and strengthening of Group Farming**

| Year    | Target                      |                                      | Grants Released<br>(₹ Crore) | Achievement                 |                                      |
|---------|-----------------------------|--------------------------------------|------------------------------|-----------------------------|--------------------------------------|
|         | Physical<br>(No. of groups) | Financial<br>Assistance<br>(₹ Crore) |                              | Physical<br>(No. of groups) | Financial<br>Assistance<br>(₹ Crore) |
| 2017-18 | 200                         | 200.00                               | 31.50                        | 196                         | 3.43                                 |
| 2018-19 | 200                         | 200.00                               | 80.00                        | 211                         | 73.53                                |

Source : Commissionerate of Agriculture, GoM

### New Initiatives for agriculture sector

7.41 **Mahatma Jyotirao Phule Shetkari Karjamukti Yojana 2019:** The State has been experiencing draught like situation continuously during 2015-16 to 2018-19. At the same time farming was affected due to unseasonal rains. Due to these natural calamities farmers' short term & medium term crop loans have become overdue and farmers are deprived of borrowing fresh loans. To relieve the farmers from this vicious circle, GoM has announced this welfare scheme with the objective to waive off loans borrowed during 1<sup>st</sup> April, 2015 to 31<sup>st</sup> March, 2019, from one or more institutions and have become overdue as on 30<sup>th</sup> September, 2019. Under the scheme, the decision has been taken to waive off overdue loans upto ₹ two lakh, including principle & interest, without any limit of size of land holding. The scheme is applicable only to individual farmers who have borrowed loans from Nationalised banks, Commercial banks, RRBs, DCCBs and PACS.

7.42 **Pradhan Mantri Kisan Maan-Dhan Yojana (PM-KMY):** PM-KMY, a voluntary and contribution based pension scheme has been initiated in the State from 9<sup>th</sup> August, 2019 to provide social security to all small and marginal farmers. Under the scheme, a fixed pension of ₹ 3,000 per month is to be given to all eligible small and marginal farmers. Farmers in the age group 18 to 40 years, as on 1<sup>st</sup> August, 2019 are eligible to enroll into the scheme. Farmers have to contribute an amount between ₹ 55 to ₹ 200 per month in the pension fund till they reach retirement age of 60 years. Pension is to be paid to the farmers from a pension fund managed by Life Insurance Corporation of India. GoI is going to contribute an equal amount in the pension fund. As on 12<sup>th</sup> February, 2020 in all 74,988 beneficiary farmers have been enrolled.

7.43 **Dr. Punjabrao Deshmukh Jaivik Sheti Mission:** This mission is being implemented for promotion of organic farming in the State through cluster approach (20-30 farmers in a cluster of 50 acre land) from 2019-20. Benefits of the scheme are given to each cluster for three consecutive years. In the first phase six distressed districts in the Vidarbha region, viz. Buldhana, Akola, Washim, Amravati, Yavatmal and Wardha are included in the program with target of formation of 500 clusters. Proposed fund for the mission is ₹ 100 crore for four years.

## ANIMAL HUSBANDRY

7.44 Animal Husbandry plays an important role in the rural economy. It is a supportive occupation which not only supplements farm income but also generates gainful employment. It provides essential nutrients at low cost to the livestock rearing families. The Government is framing and implementing policies for genetic upgradation of livestock for sustainable production to enhance livestock sector.

### Livestock census

7.45 As per results of the Livestock census 2019, the State ranks seventh at national level with total livestock of about 3.31 crore. The State ranks fifth at national level with poultry birds population of about 7.43 crore. Livestock as per the Livestock census 2019 in selected states is given in Table 7.26 and time series data is given in Annexure 7.7.

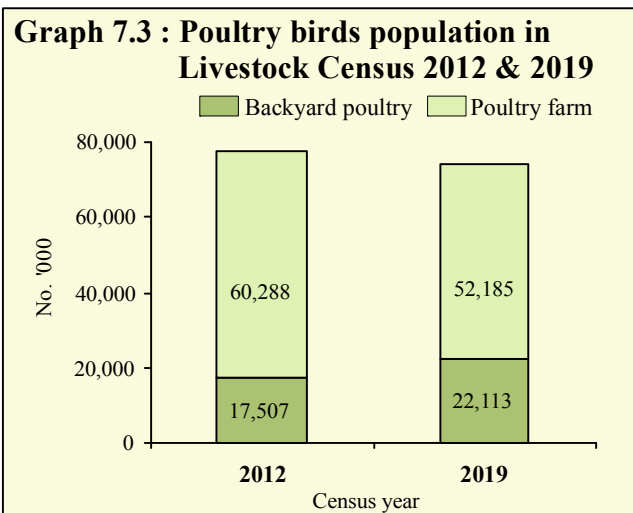


**Table 7.26 Livestock in selected states as per Livestock census 2019**

( '000)

| State              | Livestock       |                  |                 |                    |                 | Total poultry birds <sup>#</sup> |
|--------------------|-----------------|------------------|-----------------|--------------------|-----------------|----------------------------------|
|                    | Cattle          | Buffaloes        | Sheep and Goats | Other <sup>@</sup> | Total           |                                  |
| Andhra Pradesh     | 4,601           | 6,219            | 23,149          | 99                 | 34,068          | 1,07,863                         |
| Gujarat            | 9,634           | 10,543           | 6,655           | 61                 | 26,893          | 21,773                           |
| Karnataka          | 8,469           | 2,985            | 17,220          | 339                | 29,013          | 59,494                           |
| Madhya Pradesh     | 18,751          | 10,307           | 11,390          | 189                | 40,637          | 16,660                           |
| <b>Maharashtra</b> | <b>13,993</b>   | <b>5,604</b>     | <b>13,285</b>   | <b>198</b>         | <b>33,080</b>   | <b>74,298</b>                    |
| Rajasthan          | 13,938          | 13,693           | 28,744          | 426                | 56,801          | 14,623                           |
| Tamil Nadu         | 9,519           | 519              | 14,389          | 74                 | 24,501          | 1,20,781                         |
| Uttar Pradesh      | 19,020          | 33,017           | 15,465          | 514                | 68,013          | 12,515                           |
| <b>All-India</b>   | <b>1,93,463</b> | <b>1, 09,852</b> | <b>2,23,146</b> | <b>10,300</b>      | <b>5,36,761</b> | <b>8,51,810</b>                  |

<sup>@</sup> includes pigs, horses & ponies, mules, camels & donkeys

<sup>#</sup> includes birds in poultry farm

Source : Livestock census 2019, Dept of Animal Husbandry, Dairying and Fisheries, GoI

### Veterinary health care infrastructure

7.46 The State has provided facilities for animal health care upto village level through a network of the veterinary institutions. Veterinary healthcare infrastructure in the State is given in Table 7.27.

**Table 7.27 Veterinary health care infrastructure**(As on 31<sup>st</sup> March, 2019)

| Veterinary region | Polyclinics* | Mini polyclinics | Veterinary dispensaries |              | Mobile veterinary clinics | Total        | District artificial insemination centres |
|-------------------|--------------|------------------|-------------------------|--------------|---------------------------|--------------|------------------------------------------|
|                   |              |                  | Grade I                 | Grade II     |                           |              |                                          |
| Mumbai            | 5            | 20               | 138                     | 359          | 12                        | 534          | 5                                        |
| Nashik            | 5            | 25               | 365                     | 491          | 6                         | 892          | 5                                        |
| Pune              | 5            | 26               | 457                     | 559          | 7                         | 1,054        | 5                                        |
| Aurangabad        | 3            | 20               | 161                     | 288          | 2                         | 474          | 4                                        |
| Latur             | 4            | 20               | 164                     | 291          | 3                         | 482          | 4                                        |
| Amravati          | 5            | 27               | 192                     | 394          | 17                        | 635          | 5                                        |
| Nagpur            | 6            | 30               | 263                     | 459          | 18                        | 776          | 6                                        |
| <b>State</b>      | <b>33*</b>   | <b>168</b>       | <b>1,740</b>            | <b>2,841</b> | <b>65</b>                 | <b>4,847</b> | <b>34</b>                                |

\* In addition to this, six polyclinics are attached to Veterinary colleges at Mumbai, Parbhani, Nagpur, Shirval (Satara), Udgir (Latur) & Akola

Source : Office of the Commissioner of Animal Husbandry, GoM

7.47 The State provides veterinary medical facilities for various diseases and also implements vaccination programmes. Cases treated and vaccinated are given in Table 7.28.

**Table 7.28 Cases treated and vaccinated**

('000)

| Particulars                     | 2017-18 | 2018-19 | 2019-20 <sup>+</sup> |
|---------------------------------|---------|---------|----------------------|
| General treatment               | 17,952  | 17,153  | 9123                 |
| Castration                      | 979     | 931     | 402                  |
| Major operation                 | 60      | 53      | 35                   |
| Minor operation                 | 607     | 565     | 233                  |
| Vaccination (including poultry) | 41,418  | 53,543  | 39,528               |

Source : Office of the Commissioner of Animal Husbandry, GoM

+ upto October

## Artificial Insemination

7.48 Three frozen semen laboratories are located at Pune, Nagpur and Aurangabad where semen straws are prepared and distributed through 34 District artificial insemination centres to 4,847 veterinary dispensaries/clinics. Information about artificial insemination is given in Table 7.29.

**Table 7.29 Information about Artificial Insemination**

('000)

| Particulars                         | 2017-18      | 2018-19      | 2019 -20 <sup>+</sup> |
|-------------------------------------|--------------|--------------|-----------------------|
| <b>I) Cow (AI)</b>                  |              |              |                       |
| Exotic                              | 301          | 280          | 124                   |
| Cross breed                         | 1,001        | 1,052        | 581                   |
| Indigenous                          | 317          | 355          | 214                   |
| <b>Total</b>                        | <b>1,619</b> | <b>1,678</b> | <b>919</b>            |
| <b>No. of calves born (Cow)</b>     |              |              |                       |
| Cross breed                         | 449          | 465          | 249                   |
| Indigenous                          | 96           | 114          | 67                    |
| <b>II) Buffalo (AI)</b>             | <b>686</b>   | <b>719</b>   | <b>304</b>            |
| <b>No. of calves born (Buffalo)</b> | <b>236</b>   | <b>243</b>   | <b>117</b>            |

Source : Office of the Commissioner of Animal Husbandry, GoM

+ upto October

## Nationwide Artificial Insemination Programme

7.49 For genetic upgradation of cow and buffalo a Nationwide artificial insemination programme is being implemented across all districts of the State from September, 2019 to March, 2020 using High Genetic Merit Bull semen with an objective to increase artificial insemination coverage to more than 50 per cent. Grants of ₹ 14.80 crore are received for the activity.

## National Programme for Bovine Breeding & Dairy Development

7.50 National Programme for Bovine Breeding & Dairy Development is a 100 per cent centrally sponsored programme implemented in the State through Maharashtra Livestock Development Board for strengthening and expansion of animal breeding services, preservation of indigenous breed and generation of self-employment for rural youth. The programme has two components viz. National Programme for Bovine Breeding (NPBB) and National Programme for Dairy Development (NPDD).

7.50.1 NPBB was started from the year 2015-16. GoI has approved funds of ₹ 52.41 crore for the years 2015-16 to 2017-18. To achieve objectives of NPBB, GoI decided to implement *Gokul Gram Yojana* as a part of *Rashtriya Gokul* mission. Expenditure incurred under *Rashtriya Gokul* mission is given in Table 7.30.

**Table 7.30 Expenditure incurred under *Rashtriya Gokul* Mission**

| Year    | Expenditure incurred<br>(₹ crore) | Activities undertaken                                                                                                                              |
|---------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 2016-17 | 8.30                              | Strengthening of two bull mother farms and procurement of 600 high genetic <i>gaolao</i> cows and <i>pandharpuri</i> buffaloes on each mother farm |
|         | 1.49                              | Up-gradation of three frozen semen laboratories and existing artificial insemination centres                                                       |
| 2017-18 | 5.07                              | Establishment of Embryo Transfer (ET) and In-vitro Fertilization (IVF) Laboratory at BAIF Research and Development Centre, Pune                    |
| 2018-19 | 1.19                              | Strengthening of ET/IVF laboratory in the Maharashtra Animal and Fishery Science University, Nagpur                                                |
|         | 4.83                              | Embryo transfer laboratory at Wadgaon Rasai, Tahsil Shirur, Dist. Pune                                                                             |
|         | 18.63                             | Establishment of sex sorted semen laboratory at Frozen semen laboratory Aurangabad                                                                 |

Source: Office of the Commissioner of Animal Husbandry, GoM

7.50.2 Under *Rashtriya Gokul* Mission, *Krishi Kalyan Abhiyaan* is implemented in four aspirational districts viz Gadchiroli, Washim, Osmanabad and Nandurbar in the State with the objective of genetic upgradation through high yielding indigenous bovine semen and providing quality artificial insemination services at farmers' doorstep. During 2018-19, funds of ₹ 2.61 crore are received for activities under *Krishi Kalyan Abhiyaan*.

## **Cattle Camps and Fodder Development**

7.50.3 During 2018-19, due to below average level rainfall received during the rainy season GoM declared drought in 151 talukas and 268 revenue circles. The livestock population of the drought affected areas was 96.02 lakh large animals and 37.28 lakh small animals. During 25<sup>th</sup> January, 2019 to 31<sup>st</sup> October, 2020 the 1,646 cattle camps were opened for providing essential fodder, water and medicine to animals and 11.16 lakh animals were hosted.

7.50.4 During 2018-19 fund of ₹ 35 crore were made available for production of fodder for animals affected due to drought. Subsidy of ₹ 4,600 per ha and 25,099 quintal seeds were distributed for production of fodder among farmers. The total area brought under cultivation was 58,821 ha and 29.4 lakh MT green fodder was produced.

## **National Livestock Mission**

7.51 National Livestock Mission (NLM) was launched by GoI in the year 2014-15, by merging various schemes of sheep, goat, poultry, pig, livestock insurance, feed & fodder development, skill development, technology transfer and animal husbandry extension activities for socially and economically backward classes.

7.51.1 Under the National Livestock Mission, total funds received from GoI during 2017-18 were ₹ 11.99 crore and an expenditure of ₹ 7.63 crore was incurred for establishment of three cattle feed manufacturing units, modernisation of feed testing Laboratories, establishment of 224 silage making units and distribution of 1,341 power driven chaff cutters. During 2018-19 and 2019-20, GoI has sanctioned ₹ 10.53 crore and ₹ 18.55 crore respectively for activities under NLM.

## **Gowardhan Govansh Seva Kendra**

7.52 Taking a proactive step to protect cow and its progeny, the State has approved setting up of 'Gowardhan Govansh Seva Kendra' in 34 districts of the State, except in Mumbai city and Mumbai Suburban districts.

7.52.1 During 2017-18, funds of ₹ 34.00 crore was sanctioned for setting up of 34 'Gowardhan Govansh Seva Kendra' (one per district) in the State. Accordingly 34 institutes were identified for setting up *Gowardhan Govansh Seva Kendra*. The fund of ₹ one crore is being provided in four stages. Upto March, 2019, 32 kendra have received first installment of ₹ 25 lakh each, 30 kendra have received second installment of ₹ 25 lakh each and 21 kendra have received third installment of ₹ 25 lakh each and total expenditure incurred was ₹ 20.75 crore.

## **Livestock insurance scheme**

7.53 Livestock insurance scheme is being implemented in the State by Maharashtra Livestock Development Board since 2006-07. The main objective of the scheme is to provide protection to the cattle holders against any eventual losses due to death of animal because of natural calamity, accident or disease. Maharashtra Livestock Development Board executed tri-partite agreement with New India Assurance Company Ltd. and Prudent Insurance Broker Pvt Ltd. for the period 9<sup>th</sup> October, 2018 to 31<sup>st</sup> October, 2019. Under the scheme total 40,334 animals of 11,969 beneficiaries were insured and an expenditure incurred was ₹ 303.55 lakh as premium subsidy and ₹ 16.57 lakh as honorarium to Veterinarians.

## **Raje Yashwantrao Holkar Mahamesh yojana**

7.54 *Raje Yashwantrao Holkar Mahamesh yojana* is aimed at promotion of sheep rearing for Nomadic Tribes-C beneficiaries. Under the scheme, 75 per cent subsidy is given for distribution of

sheep unit (20+1 ) with infrastructure, distribution of improved male sheep, providing infrastructure for sheep rearing & balanced feed for each sheep unit and 50 per cent subsidy given for purchasing of mini silage baler-cum-wrapper machine & installation of animal feed units. Under the scheme, during 2018-19, GoM released ₹ 7.20 crore and 370 sheep units were distributed. During 2019-20, GoM released ₹ 39 crore to distribute 1,520 sheep units, infrastructure for sheep rearing to 593 beneficiaries, balanced feed for 458 sheep units, distribution of 25 mini silage baler-cum-wrapper machines and installation of 10 animal feed units.

7.55 Various schemes are implemented in the State to uplift the rural poor through livestock rearing, create entrepreneurship and generate employment in rural areas. Progress of selected schemes is given in Table 7.31.

**Table 7.31 Progress of selected schemes**

| Scheme                                                        | 2016-17                |                                     | 2017-18                |                                     | 2018-19                |                                     |
|---------------------------------------------------------------|------------------------|-------------------------------------|------------------------|-------------------------------------|------------------------|-------------------------------------|
|                                                               | Beneficiaries<br>(no.) | Expenditure<br>incurred<br>(₹ Lakh) | Beneficiaries<br>(no.) | Expenditure<br>incurred<br>(₹ Lakh) | Beneficiaries<br>(no.) | Expenditure<br>incurred<br>(₹ Lakh) |
| <b>State Level</b>                                            |                        |                                     |                        |                                     |                        |                                     |
| 6/4/2 Milch animal group distribution scheme                  | 2,276                  | 1,749                               | 2,339                  | 1,695                               | 2,736                  | 1,590                               |
| Stall-fed supply of 10 goats & 1 male goat group distribution | 2,324                  | 1,119                               | 2,547                  | 1,233                               | 2,533                  | 1,112                               |
| Poultry farming (avocation) by rearing 1,000 broiler birds    | 923                    | 1,238                               | 947                    | 1,279                               | 890                    | 1,186                               |

Source: Office of the Commissioner of Animal Husbandry, GoM

## Poultry development

7.56 The State has established four central hatcheries in Aurangabad, Kolhapur, Nagpur and Pune with the following objectives:

- To produce and supply improved chick, pullets and hatching eggs to farmers at government approved rate
- To make arrangement to distribute improved variety of eggs, day old chicks and cockerels & pullets to beneficiaries under different poultry schemes
- To supply improved birds to rural poultry farming
- To impart poultry farming training to farmers, women self-help group, educated unemployed youth, student, etc.
- To conduct regular eight days, 15 days, one month and six months training batches of poultry farming
- To give technical advice and motivate farmers for poultry farming

**Table 7.32 Poultry birds supplied through central hatcheries and availability of eggs**

| Year    | No. of poultry birds supplied (Lakh) | Availability of eggs (per capita per annum) |           |
|---------|--------------------------------------|---------------------------------------------|-----------|
|         |                                      | State                                       | All-India |
| 2016-17 | 6.38                                 | 47                                          | 69        |
| 2017-18 | 7.38                                 | 48                                          | 74        |
| 2018-19 | 9.6                                  | 50                                          | 79        |

Source: Office of the Commissioner of Animal Husbandry, GoM

The poultry birds supplied through central hatcheries and availability of eggs is given in Table 7.32.



## Swayam Prakalp

7.57 *Swayam Prakalp* is initiated in scheduled tribe areas of 16 districts from 2017-18 to 2019-20, to supply eggs in children's diet in *Anganwadi* and creation of self-employment. The project aims in creating 104 mother units of poultry to supply 45 chicks of four weeks old to beneficiaries for rearing. The eggs produced under the project are being supplied to children in anganwadis for protein nourishment. The total project cost is ₹ 22.56 crore. Training and capacity building of beneficiaries is being done under Maharashtra State Rural Livelihood Mission.

7.57.1 During 2017-18, an amount of ₹ 7.70 crore was utilised for establishing 39 mother units in eight districts. During 2018-19, an amount of ₹ eight crore was utilised for establishing 26 mother units in the remaining eight districts. During 2019-20 upto October, 101 mother units have been established and 6.30 lakh four week old birds have been distributed to 40,142 beneficiaries for self-employment generation.

## Major livestock products

7.58 Maharashtra is the second largest meat producer state in the country with share of 12.6 per cent. The State ranks seventh in milk production and per capita availability of milk in the State is 266 gram per day as against 394 gram per day at the national level. The State ranks seventh in eggs production and the per capita availability of eggs in the State is 50 eggs per annum as against 79 eggs per annum at the national level. Livestock and poultry products in the State are given in Table 7.33 and in selected states during 2018-19 is given in Table 7.34.

**Table 7.33 Livestock and poultry products in the State**

| Year    | Meat<br>(‘000 MT) | Milk<br>(‘000 MT) | Egg<br>(Crore) | Wool<br>(‘000 kg) |
|---------|-------------------|-------------------|----------------|-------------------|
| 2016-17 | 845<br>(11.4)     | 10,402<br>(6.4)   | 548<br>(6.2)   | 1,407<br>(3.2)    |
| 2017-18 | 924<br>(12.1)     | 11,102<br>(6.3)   | 570<br>(6.0)   | 1,436<br>(3.5)    |
| 2018-19 | 1,021<br>(12.6)   | 11,655<br>(6.2)   | 596<br>(5.8)   | 1,457<br>(3.6)    |

Note : Figures in brackets indicate percentage share to All-India

Source : Office of the Commissioner of Animal Husbandry, GoM

**Table 7.34 Livestock and poultry products in selected states during 2018-19**

| State              | Meat<br>(‘000 MT) | Milk<br>(‘000 MT) | Egg<br>(Crore) | Wool<br>(‘000 kg) |
|--------------------|-------------------|-------------------|----------------|-------------------|
| Andhra Pradesh     | 781               | 15,044            | 1,975          | 797               |
| Gujarat            | 33                | 14,493            | 185            | 2,271             |
| Karnataka          | 254               | 7,901             | 600            | 3,057             |
| Madhya Pradesh     | 97                | 15,911            | 214            | 410               |
| <b>Maharashtra</b> | <b>1,021</b>      | <b>11,655</b>     | <b>596</b>     | <b>1,457</b>      |
| Rajasthan          | 192               | 23,668            | 166            | 14,522            |
| Tamil Nadu         | 634               | 8,362             | 1,884          | 2                 |
| Telangana          | 754               | 5,416             | 1,369          | 4,264             |
| Uttar Pradesh      | 1,227             | 30,519            | 260            | 1,316             |
| <b>All-India</b>   | <b>8,114</b>      | <b>1,87,749</b>   | <b>10,332</b>  | <b>40,420</b>     |

Source: Office of the Commissioner of Animal Husbandry, GoM & Basic Animal Husbandry Statistics-2019, Department of Animal Husbandry and Dairying, GoI.

## Dairy Development

7.59 Dairy is a supplementary activity to agriculture, which has potential for generating additional income & employment opportunities for the rural households besides improving nutritional levels. Milk production and per capita availability are given in Table 7.35 and regionwise milk production is given in Table 7.36.

**Table 7.35 Milk production and per capita availability of Milk**

| Year    | Milk production<br>(lakh MT) |           | Per capita<br>availability<br>(gram per day) |           |
|---------|------------------------------|-----------|----------------------------------------------|-----------|
|         | State                        | All-India | State                                        | All-India |
| 2016-17 | 104.02                       | 1,636.94  | 243                                          | 352       |
| 2017-18 | 111.02                       | 1,763.46  | 256                                          | 375       |
| 2018-19 | 116.54                       | 1,877.49  | 266                                          | 394       |

Source: Office of the Commissioner of Animal Husbandry, GoM

7.60 During 2018-19, there were 107 milk processing plants, 142 chilling centres and 898 bulk milk coolers with capacity of 94.03 lakh litre and chilling capacity of 44.16 lakh litre per day under government and co-operative sector together. The average daily collection of milk by the government and co-operative dairies was 1.79 lakh litre & 49.14 lakh litre respectively during 2018-19 and 1.24 lakh litre & 39.16 lakh litre respectively during 2019-20 upto October. There were 158 cold storages with capacity of 11,613.84 MT. Of which, 150 cold storages with capacity of 11,174.65 MT were with private sector.

**Graph 7.4 : Average collection of milk by Co-operative and Government dairies**

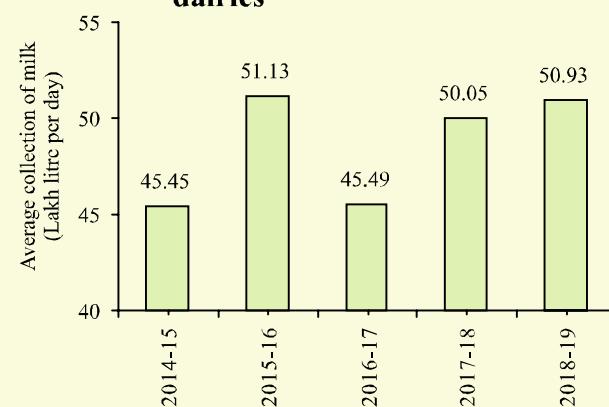
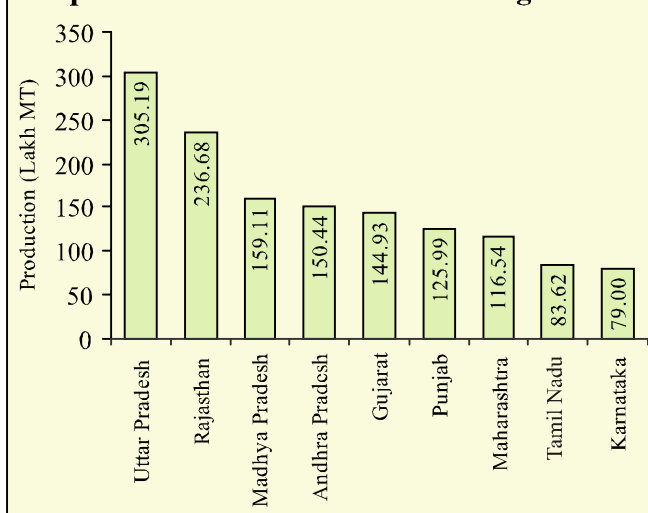


**Table 7.36 Regionwise Milk production**

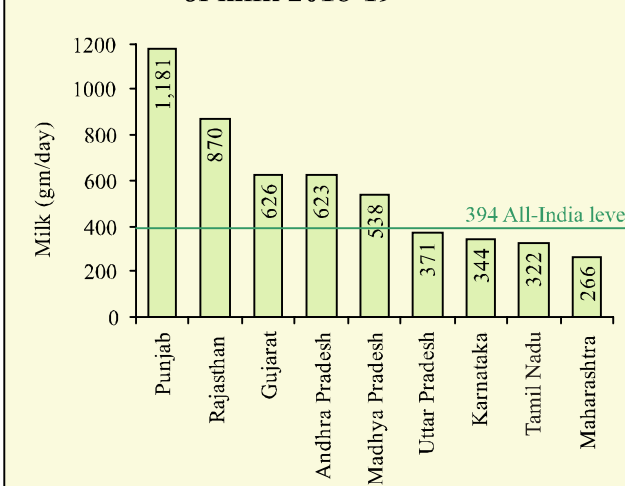
| Region       | (lakh MT)     |               |               |
|--------------|---------------|---------------|---------------|
|              | 2016-17       | 2017-18       | 2018-19       |
| Konkan       | 4.98          | 5.33          | 5.52          |
| Nashik       | 28.07         | 29.85         | 33.34         |
| Pune         | 42.99         | 46.41         | 49.57         |
| Aurangabad   | 16.48         | 17.70         | 17.04         |
| Amravati     | 6.77          | 6.62          | 6.10          |
| Nagpur       | 4.73          | 5.11          | 4.97          |
| <b>State</b> | <b>104.02</b> | <b>111.02</b> | <b>116.54</b> |

Source: Office of the Commissioner of Animal Husbandry, GoM

**Graph 7.5: Production of milk during 2018-19**



**Graph 7.6 : Per capita per day availability of milk 2018-19**



## Fisheries

7.61 The State has a coastline of 720 km with 173 fish landing centers and the area suitable for marine fishing is 1.12 lakh sq km. There were 17,238 marine fishing boats in operation, of which 13,613 were mechanised. In addition to this, the area suitable for inland and brackish water fishing in the State is 4.18 lakh ha and 0.10 lakh ha respectively. There are 32 fish seed production centers in the State with 2,414 lakh spawn production capacity per year for catering to inland fishing. Fish production and exports are given in Table 7.37.

**Table 7.37 Fish production and exports**

| Item                   | Unit    | 2017-18      | 2018-19      | 2019-20 <sup>+</sup> |
|------------------------|---------|--------------|--------------|----------------------|
| <b>Fish production</b> | lakh MT |              |              |                      |
| Marine                 |         | 4.75         | 4.67         | 1.48                 |
| Inland                 |         | 1.31         | 1.00         | 0.41                 |
| <b>Total</b>           |         | <b>6.06</b>  | <b>5.67</b>  | <b>1.89</b>          |
| <b>Gross value</b>     | ₹ Crore |              |              |                      |
| Marine                 |         | 6,288        | 6,298        | 2,066                |
| Inland                 |         | 1,447        | 1,178        | 490                  |
| <b>Total</b>           |         | <b>7,735</b> | <b>7,476</b> | <b>2556</b>          |
| <b>Export of fish</b>  |         |              |              |                      |
| Quantity               | lakh MT | 1.81         | 1.61         | NA                   |
| Value                  | ₹ Crore | 4,907        | 5,121        | NA                   |

NA Not available

<sup>+</sup>upto September

Source : Office of the Commissioner of Fisheries, GoM

7.62 Under the National Agricultural Development scheme, since 2011-12, development of 25 jetties worth ₹ 177 crore have been undertaken. Of which work of 15 jetties has been completed, work of five jetties are in progress.

## Sericulture

7.63 Sericulture is an agro-based industry which has high potential to generate employment opportunities in rural areas. Mulberry silk development programme is implemented in 24 districts of the State. The State has received the award for the emerging non-traditional state for silk farming in February, 2019. Information of mulberry plantation and silk production is given in Table 7.38.

**Table 7.38 Mulberry plantations and silk production**

| Item                           | Unit | 2017-18  | 2018-19  | 2019-20 <sup>+</sup> |
|--------------------------------|------|----------|----------|----------------------|
| Area under plantation (New)    | ha   | 4,661    | 10,377   | 13,950               |
| Area under plantation (Old)    | ha   | 6,156    | 9,406    | 4,509                |
| Total area under plantation    | ha   | 10,817   | 19,783   | 18,460               |
| Beneficiaries (farmers)        | no.  | 9,955    | 18,160   | 17,173               |
| Supply of disease free layings | lakh | 41.75    | 54.67    | 12.53                |
| Cocoon production              | MT   | 2,279.86 | 3,230.27 | 569.72               |
| Production of raw silk         | MT   | 350.49   | 496.37   | 87.58                |
| Procurement of cocoon          | MT   | 0.008    | 0.477    | 0.093                |
| Employment generated (mandays) | lakh | 38.55    | 54.60    | 9.63                 |

Source : Directorate of Sericulture, GoM

<sup>+</sup> upto September

7.63.1 Tasar silk development programme is implemented in four districts of the State viz. Gadchiroli, Chandrapur, Bhandara and Gondia. Area under plantation of Ain and Arjun trees (on which Tasar silkworms are grown) in these four districts is 18,866 ha. During 2018-19 production of raw Tasar silk was 22.68 MT, while during 2019-20 upto September it was 0.90 MT.

## Forest

7.64 The forest area of the State at the end of the year 2018-19 was 61,936 sq km constituting about 20.1 per cent of geographical area of the State, as against the target of 33 per cent set under National Forest Policy, 1988. The jurisdiction of the total forest area in the State is divided amongst Forest department (55,747.88 sq km), Forest Development Corporation of Maharashtra (FDCM) (3,472.20 sq km), Private forest brought under possession of Forest department (1,179.69 sq km) and Revenue department (1,536.65 sq km). As per India State of Forest Report (ISFR) 2019, the total forest cover in the State is 50,778 sq km showing an increase of 96 sq. km over that reported in ISFR 2017 of which the very dense forest constitutes 17.2 per cent, moderately dense forest 40.5 per cent and open forest 42.3 per cent of the total forest cover in the State. The total mangroves cover of the State is 320 sq km showing an increase of 16 sq km over that reported in ISFR 2017. Forest circlewise distribution of forest area is given in Table 7.39 and forest cover of selected states is given in Table 7.40.

**Table 7.39 Forest circlewise distribution of forest area (as on 31st March, 2019)**

| Forest circle | Forest area      |                 |                 |                  | (sq km)                         |
|---------------|------------------|-----------------|-----------------|------------------|---------------------------------|
|               | Reserved         | Protected       | Unclassed       | Total            | Percentage to total forest area |
| Gadchiroli    | 11,227.19        | 1,403.05        | 246.75          | 12,876.99        | 20.8                            |
| Nagpur        | 4,399.43         | 2,157.11        | 1,189.52        | 7,746.06         | 12.5                            |
| Dhule         | 6,147.68         | 48.78           | 231.05          | 6,427.51         | 10.4                            |
| Thane         | 4,341.50         | 1,157.84        | 333.73          | 5,833.06         | 9.4                             |
| Nashik        | 5,065.91         | 241.02          | 32.67           | 5,339.61         | 8.6                             |
| Chandrapur    | 3,835.80         | 878.74          | 120.34          | 4,834.88         | 7.8                             |
| Amravati      | 4,647.31         | 7.06            | 5.31            | 4,659.68         | 7.5                             |
| Kolhapur      | 3,312.71         | 418.74          | 786.56          | 4,518.01         | 7.3                             |
| Yavatmal      | 3,750.17         | 16.18           | 201.44          | 3,937.79         | 6.4                             |
| Aurangabad    | 2,768.68         | 128.84          | 222.52          | 3,130.14         | 5.1                             |
| Pune          | 2,427.84         | 0.13            | 174.73          | 2,602.70         | 4.2                             |
| <b>State</b>  | <b>51,934.31</b> | <b>6,457.49</b> | <b>3,544.62</b> | <b>61,936.42</b> | <b>100.0</b>                    |

Source : Office of the Principal Chief Conservator of Forest, GoM

**Table 7.40 Forest cover of selected states**

| State              | Geographical area | Total forest cover | (sq km)                                         |
|--------------------|-------------------|--------------------|-------------------------------------------------|
|                    |                   |                    | Percentage of forest cover to geographical area |
| Andhra Pradesh     | 1,62,968          | 29,137             | 17.9                                            |
| Gujarat            | 1,96,244          | 14,557             | 7.6                                             |
| Karnataka          | 1,91,791          | 38,575             | 20.1                                            |
| Kerala             | 38,852            | 21,144             | 54.4                                            |
| Madhya Pradesh     | 3,08,252          | 77,482             | 25.1                                            |
| <b>Maharashtra</b> | <b>3,07,713</b>   | <b>50,778</b>      | <b>16.5</b>                                     |
| Rajasthan          | 3,42,239          | 16,630             | 4.9                                             |
| Telangana          | 1,12,077          | 20,582             | 18.4                                            |
| Uttar Pradesh      | 2,40,928          | 14,806             | 6.2                                             |
| <b>All- India</b>  | <b>32,87,469</b>  | <b>7,12,249</b>    | <b>21.7</b>                                     |

Source : India State of Forest Report, 2019

## Wild Life, National Parks and Sanctuaries

7.65 There are six national parks, 49 sanctuaries and six conservation reserves in the State. Tiger census is carried out quadrennially by National Tiger Conservation Authority. According to 'Status of Tigers in India, 2018' report, estimated number of tigers in the State were 312 as against 190 in 2014. Area of projects, national parks & sanctuaries and expenditure incurred are given in Table 7.41.

**Table 7.41 Area of projects, national parks & sanctuaries and expenditure incurred**

(₹ Crore)

| Project                                           | Area (sq km) 2016-17 |          | Expenditure incurred |         |                      |
|---------------------------------------------------|----------------------|----------|----------------------|---------|----------------------|
|                                                   | Core                 | Buffer   | 2017-18              | 2018-19 | 2019-20 <sup>+</sup> |
| <b>Tiger Project</b>                              |                      |          |                      |         |                      |
| Melghat                                           | 1,500.49             | 1,268.03 | 60.45                | 119.77  | 6.89                 |
| Tadoba-Andhari                                    | 625.82               | 1,101.70 | 23.22                | 11.87   | 6.75                 |
| Pench                                             | 430.12               | 311.10   | 7.87                 | 12.46   | 6.63                 |
| Sahyadri                                          | 600.12               | 565.45   | 5.21                 | 5.24    | 2.93                 |
| Navegaon-Nagzira                                  | 656.36               | 1,241.27 | 12.08                | 12.54   | 6.50                 |
| Bor                                               | 138.12               | 678.15   | 1.94                 | 7.17    | 2.43                 |
| <b>Development of National Parks/ Sanctuaries</b> | -                    | -        | 13.44                | 15.83   | 1.39                 |
| Elephant Project, Kolhapur                        | Area not specified   |          | 0.44                 | 0.72    | 0.43                 |

Source : Office of the Principal Chief Conservator of Forest, GoM

+ upto December

## Forest Produce

7.66 Forest provides major products like timber & firewood and minor products like bamboo, tendu leaves, gum, grass, etc. All these forest produce are of great value in terms of generating revenue and providing livelihood to local people. Production and value of forest produce are given in Table 7.42.

**Table 7.42 Production and value of forest produce**

(₹ Crore)

| Forest produce                 | Unit of production | 2017-18    |        | 2018-19*   |        | 2019-20@   |        |
|--------------------------------|--------------------|------------|--------|------------|--------|------------|--------|
|                                |                    | Production | Value  | Production | Value  | Production | Value  |
| (A) Major forest produce       |                    |            |        |            |        |            |        |
| Timber                         | LCM                | 0.46       | 262.23 | 1.3        | 356.67 | 1.37       | 304.4  |
| Firewood                       | LCM                | 1.54       | 60.23  | 2.32       | 50.11  | 3.3        | 56.86  |
| Total (A)                      | LCM                |            | 322.46 |            | 406.78 |            | 361.26 |
| (B) Minor forest produce       |                    |            |        |            |        |            |        |
| Bamboo                         | LMT                | 0.28       | 20.70  | 0.22       | 14.75  | 0.41       | 41.36  |
| Tendu leaves                   | LSB                | 3.13       | 173.03 | 2.12       | 50.69  | 2.24       | 38.77  |
| Grass                          | MT                 | 17,164     | 0.13   | 1,440      | 0.17   | NA         | NA     |
| Gum                            | Quintal            | 8,480      | 0.22   | 225        | 0.15   | NA         | NA     |
| Lac                            | Quintal            | 0          | 0      | 25         | 0.06   | NA         | NA     |
| Others (Hirda, Shikekai, etc.) | -                  |            | 0.6    | NA         | 0.9    | NA         | NA     |
| Total (B)                      |                    |            | 194.68 |            | 66.72  |            | 80.13  |
| Total (A + B)                  |                    |            | 516.14 |            | 473.50 |            | 416.42 |

LCM Lakh Cubic Metre

LMT Lakh Metric Tonne

LSB Lakh Standard Bags

\*Provisional

@ expected

NA Not available

Source : Office of the Principal Chief Conservator of Forest, GoM

## Tree Plantation

7.67 Tree plantation programme is mainly implemented through Forest Department, FDCM and Directorate of Social Forestry. Area under tree plantation and expenditure incurred are given in Table 7.43.

**Table 7.43 Area under tree plantation and expenditure incurred**

| Year    | Forest Dept. |                                | FDCM      |                                | Social Forestry |                                |                         |
|---------|--------------|--------------------------------|-----------|--------------------------------|-----------------|--------------------------------|-------------------------|
|         | Area (ha)    | Expenditure incurred (₹ Crore) | Area (ha) | Expenditure incurred (₹ Crore) | Area (ha)       | Expenditure incurred (₹ Crore) | Plants supplied (Crore) |
| 2016-17 | 36,457       | 142.95                         | 2,906     | 9.08                           | 2,787           | 45.10                          | 1.19                    |
| 2017-18 | 26,405       | 99.46                          | 3,577     | 13.80                          | 3,985           | 60.46                          | 0.50                    |
| 2018-19 | 51,724       | 200.88                         | 4,633     | 22.79                          | 12,620          | 210.56                         | NA                      |

Source: Office of the Principal Chief Conservator of Forest, GoM

NA Not available

## Initiatives to increase Forest Cover

7.68 The State has a forest cover of 16.5 per cent of the total geographical area which is less as envisaged in the State Forest Policy, 2008. To increase the forest cover in the State, the State has initiated massive tree plantation drive, soil conservation and natural rejuvenation programmes. After a successful drive of 2.81 crore sapling plantation on 1<sup>st</sup> July, 2016 the State had taken up a massive plantation programme of planting 50 crore saplings during a period of three years i.e from 2017 to 2019. Target and achievement of plantation drive is given in Table 7.44.

**Table 7.44 Target and achievement of plantation drive**

(Crore)

| Year         | Target       |                |                    | Total Target | Achievement  |
|--------------|--------------|----------------|--------------------|--------------|--------------|
|              | Forest       | Gram Panchayat | Other <sup>s</sup> |              |              |
| 2017         | 2.25         | 1              | 0.75               | 4            | 5.43         |
| 2018         | 7.50         | 3              | 2.50               | 13           | 15.89        |
| 2019         | 18.75        | 8              | 6.25               | 33           | 35.14        |
| <b>Total</b> | <b>28.50</b> | <b>12</b>      | <b>9.50</b>        | <b>50</b>    | <b>56.46</b> |

<sup>s</sup> Includes Govt Dept, NGO, PVT organisations, Individuals, Co-operative agencies, CSR, etc.

Source: Office of the Principal Chief Conservator of Forest, GoM

## Social Forestry

7.69 During 2018-19, in all 126 lakh seedlings were planted on 7,069 ha of community land and 16,385 km along roads/railways/canal side plantation and 8.89 lakh seedlings were supplied to institutions, grampanchayats and individuals for undertaking plantations. During 2019-20 upto November, 539.12 lakh seedlings were planted on 18,178 ha of community land and 17,725 km along roads/railways/canal side plantation, 15.05 lakh seedlings were planted under Agro forestry scheme under MGNREGA and 17.12 lakh seedlings were supplied to institutions, grampanchayats and individuals for undertaking plantations. Area of plantations under major schemes is given in Table 7.45.

**Table 7.45 Area of plantations under major schemes**

| Scheme                    | Unit          | 2016-17 | 2017-18 | 2018-19 |
|---------------------------|---------------|---------|---------|---------|
| MGNREGA Scheme            |               |         |         |         |
| a) Block plantation       | ha            | 93      | 1,492   | 1,028   |
| b) Roadside Plantation    | km            | 1,303   | 1,869   | 895     |
| Plantation under CAMPA    |               |         |         |         |
| a) Block Plantation       | ha            | 77      | 0       | 0       |
| b) Road side Plantation   | km            | 298     | 766     | 580     |
| State Plan                |               |         |         |         |
| a) Block Plantation       | ha            | 54      | 2,870   | 17,150  |
| b) Road side Plantation   | km            | 588     | 10,643  | 16,250  |
| Kanya Vansamruddhi Scheme | Lakh seedling | -       | -       | 5.49    |

CAMPA Compensatory Aforestation Fund Management and Planning Authority

Source : Office of the Principal Chief Conservator of Forest, Social Forestry, GoM

### ***Sant Tukaram Vangram Yojana***

7.70 *Sant Tukaram Vangram Yojana* is launched with a view to create awareness about the importance of forest & wild life, to protect the forest from illegal tree cutting, encroachments, etc. Under the scheme 12,194 Joint Forest Management Committees (JFMC) were constituted in 15,500 villages. The best performing three committees at district & state level and one committee for Aurangabad region were awarded JFMC award. The JFMC manages 27.04 lakh ha of forest area. The expenditure incurred during 2017-18 was ₹ 75 lakh.

\* \* \* \* \*

## ANNEXURE 7.1

**TOTAL NUMBER, AREA AND AVERAGE SIZE OF OPERATIONAL HOLDINGS IN  
THE STATE ACCORDING TO AGRICULTURAL CENSUSES**

| Sr.<br>No. | Size class (ha) | Number of operational holdings ('00) |               |               |                 |                 |                 |                 |                 |
|------------|-----------------|--------------------------------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|            |                 | 1970-71                              | 1980-81       | 1990-91       | 1995-96         | 2000-01         | 2005-06         | 2010-11         | 2015-16         |
| (1)        | (2)             | (3)                                  | (4)           | (5)           | (6)             | (7)             | (8)             | (9)             | (10)            |
| 1          | Below 0.5       | 6,834                                | 9,914         | 16,672        | 22,409          | 27,462          | 31,658          | 36,457          | 43,722          |
| 2          | 0.5—1.0         | 5,585                                | 9,345         | 16,075        | 20,252          | 25,595          | 29,525          | 30,633          | 34,436          |
| 3          | 1.0—2.0         | 8,783                                | 15,409        | 27,276        | 31,755          | 36,056          | 41,503          | 40,523          | 43,393          |
| 4          | 2.0—3.0         | 6,266                                | 10,275        | 13,969        | 14,745          | 15,791          | 17,020          | 15,463          | 16,964          |
| 5          | 3.0—4.0         | 4,606                                | 6,583         | 7,289         | 6,774           | 6,949           | 7,496           | 6,128           | 6,306           |
| 6          | 4.0—5.0         | 3,576                                | 4,601         | 4,469         | 3,874           | 3,780           | 4,037           | 3,142           | 3,353           |
| 7          | 5.0—10.0        | 8,715                                | 9,316         | 7,241         | 5,558           | 4,873           | 5,214           | 3,964           | 3,983           |
| 8          | 10.0—20.0       | 4,180                                | 2,819         | 1,530         | 1,029           | 773             | 622             | 590             | 576             |
| 9          | 20.0 and above  | 961                                  | 363           | 176           | 132             | 97              | 81              | 89              | 121             |
|            | <b>Total</b>    | <b>49,506</b>                        | <b>68,625</b> | <b>94,697</b> | <b>1,06,528</b> | <b>1,21,376</b> | <b>1,37,156</b> | <b>1,36,989</b> | <b>1,52,854</b> |

| Sr.<br>No. | Size class (ha) | Area of operational holdings ('00 ha) |                 |                 |                 |                 |                 |                 |                 |
|------------|-----------------|---------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|            |                 | 1970-71                               | 1980-81         | 1990-91         | 1995-96         | 2000-01         | 2005-06         | 2010-11         | 2015-16         |
| (1)        | (2)             | (10)                                  | (11)            | (12)            | (13)            | (14)            | (15)            | (16)            | (17)            |
| 1          | Below 0.5       | 1,634                                 | 2,630           | 4,119           | 5,746           | 7,328           | 7,740           | 9,180           | 10,278          |
| 2          | 0.5—1.0         | 4,142                                 | 7,103           | 12,057          | 15,120          | 19,159          | 20,274          | 22,680          | 24,209          |
| 3          | 1.0—2.0         | 12,842                                | 23,337          | 39,833          | 46,059          | 51,271          | 52,476          | 57,391          | 57,711          |
| 4          | 2.0—3.0         | 15,386                                | 25,363          | 33,689          | 35,420          | 37,414          | 37,542          | 36,681          | 38,844          |
| 5          | 3.0—4.0         | 15,920                                | 22,815          | 25,108          | 23,303          | 23,676          | 23,756          | 20,974          | 21,412          |
| 6          | 4.0—5.0         | 15,961                                | 20,556          | 19,864          | 17,210          | 16,717          | 16,717          | 13,901          | 14,778          |
| 7          | 5.0—10.0        | 61,213                                | 63,937          | 48,700          | 37,150          | 32,084          | 32,135          | 26,027          | 26,216          |
| 8          | 10.0—20.0       | 56,302                                | 37,213          | 19,749          | 13,514          | 9,961           | 6,776           | 7,524           | 7,251           |
| 9          | 20.0 and above  | 28,394                                | 10,662          | 6,129           | 5,274           | 3,418           | 2,634           | 3,314           | 4,365           |
|            | <b>Total</b>    | <b>2,11,794</b>                       | <b>2,13,616</b> | <b>2,09,248</b> | <b>1,98,796</b> | <b>2,01,028</b> | <b>2,00,050</b> | <b>1,97,672</b> | <b>2,05,064</b> |

| Sr.<br>No. | Size class (ha) | Average size of holdings (ha) |             |             |             |             |             |             |             |
|------------|-----------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|            |                 | 1970-71                       | 1980-81     | 1990-91     | 1995-96     | 2000-01     | 2005-06     | 2010-11     | 2015-16     |
| (1)        | (2)             | (17)                          | (18)        | (19)        | (20)        | (21)        | (22)        | (23)        | (24)        |
| 1          | Below 0.5       | 0.24                          | 0.27        | 0.25        | 0.26        | 0.27        | 0.24        | 0.25        | 0.24        |
| 2          | 0.5—1.0         | 0.74                          | 0.76        | 0.75        | 0.75        | 0.75        | 0.69        | 0.74        | 0.70        |
| 3          | 1.0—2.0         | 1.46                          | 1.51        | 1.46        | 1.45        | 1.42        | 1.26        | 1.42        | 1.33        |
| 4          | 2.0—3.0         | 2.46                          | 2.47        | 2.41        | 2.40        | 2.37        | 2.21        | 2.37        | 2.29        |
| 5          | 3.0—4.0         | 3.46                          | 3.47        | 3.44        | 3.44        | 3.41        | 3.17        | 3.42        | 3.40        |
| 6          | 4.0—5.0         | 4.46                          | 4.47        | 4.44        | 4.44        | 4.42        | 4.14        | 4.42        | 4.41        |
| 7          | 5.0—10.0        | 7.02                          | 6.86        | 6.73        | 6.68        | 6.58        | 6.16        | 6.57        | 6.58        |
| 8          | 10.0—20.0       | 13.47                         | 13.20       | 12.91       | 13.13       | 12.89       | 10.89       | 12.75       | 12.59       |
| 9          | 20.0 and above  | 29.55                         | 29.37       | 34.82       | 39.95       | 35.24       | 32.52       | 37.24       | 36.07       |
|            | <b>Total</b>    | <b>4.28</b>                   | <b>3.11</b> | <b>2.21</b> | <b>1.87</b> | <b>1.66</b> | <b>1.46</b> | <b>1.44</b> | <b>1.34</b> |

Source - Commissionerate of Agriculture, GoM



## ANNEXURE 7.2

## LAND UTILISATION STATISTICS OF THE STATE

(Area '000 ha)

| Year    | Geographical area | Area under forests | Land not available for cultivation |                                   | Other uncultivated land |                                     |                                                | Fallow lands    |               | Cropped Area  |                          | Gross cropped area |
|---------|-------------------|--------------------|------------------------------------|-----------------------------------|-------------------------|-------------------------------------|------------------------------------------------|-----------------|---------------|---------------|--------------------------|--------------------|
|         |                   |                    | Barren and uncultivable land       | Land put to non-agricultural uses | Culturable waste land   | Permanent pastures and grazing land | Land under miscellaneous tree crops and groves | Current fallows | Other fallows | Net area sown | Area sown more than once |                    |
| (1)     | (2)               | (3)                | (4)                                | (5)                               | (6)                     | (7)                                 | (8)                                            | (9)             | (10)          | (11)          | (12)                     | (13)               |
| 1986-87 | 30,758            | 5,350              | 1,679                              | 1,152                             | 1,044                   | 1,367                               | 196                                            | 909             | 1,057         | 18,004        | 2,320                    | 20,324             |
| 1990-91 | 30,758            | 5,128              | 1,622                              | 1,091                             | 966                     | 1,125                               | 301                                            | 898             | 1,063         | 18,565        | 3,295                    | 21,859             |
| 1995-96 | 30,758            | 5,148              | 1,544                              | 1,349                             | 960                     | 1,166                               | 292                                            | 1,072           | 1,248         | 17,980        | 3,524                    | 21,504             |
| 2000-01 | 30,758            | 5,150              | 1,544                              | 1,364                             | 959                     | 1,168                               | 327                                            | 1,126           | 1,276         | 17,844        | 3,775                    | 21,619             |
| 2005-06 | 30,758            | 5,212              | 1,720                              | 1,407                             | 914                     | 1,252                               | 249                                            | 1,327           | 1,204         | 17,473        | 5,083                    | 22,556             |
| 2010-11 | 30,758            | 5,216              | 1,731                              | 1,449                             | 919                     | 1,242                               | 250                                            | 1,366           | 1,179         | 17,406        | 5,769                    | 23,175             |
| 2011-12 | 30,758            | 5,210              | 1,728                              | 1,450                             | 919                     | 1,243                               | 250                                            | 1,378           | 1,191         | 17,385        | 5,720                    | 23,106             |
| 2012-13 | 30,758            | 5,207              | 1,721                              | 1,455                             | 919                     | 1,244                               | 250                                            | 1,417           | 1,200         | 17,343        | 5,772                    | 23,115             |
| 2013-14 | 30,758            | 5,205              | 1,723                              | 1,460                             | 915                     | 1,242                               | 249                                            | 1,401           | 1,192         | 17,368        | 6,012                    | 23,380             |
| 2014-15 | 30,758            | 5,201              | 1,727                              | 1,482                             | 919                     | 1,249                               | 249                                            | 1,399           | 1,188         | 17,344        | 5,929                    | 23,273             |
| 2015-16 | 30,758            | 5,194              | 1,731                              | 1,521                             | 887                     | 1,249                               | 251                                            | 1,477           | 1,255         | 17,191        | 5,671                    | 22,863             |
| 2016-17 | 30,758            | 5,194              | 1,822                              | 1,642                             | 924                     | 1,351                               | 253                                            | 1,401           | 1,257         | 16,910        | 6,314                    | 23,224             |
| 2017-18 | 30,758            | 5,219              | 1,834                              | 1,650                             | 923                     | 1,287                               | 256                                            | 1,365           | 1,262         | 16,942        | 6,326                    | 23,268             |

Source - Commissionerate of Agriculture, GoM

Note - Figures for the years 2010-11 to 2017-18 are provisional.

## ANNEXURE 7.3

**AREA UNDER PRINCIPAL CROPS, PRODUCTION AND YIELD PER HECTARE  
IN THE STATE**

Area : '000 ha  
Production : '000 MT  
Yield : Kg per ha

| <b>Foodgrains</b> |         |       |            |       |       |            |       |       |            |       |
|-------------------|---------|-------|------------|-------|-------|------------|-------|-------|------------|-------|
| Sr. No.           | Year    | Rice  |            |       | Wheat |            |       | Jowar |            |       |
|                   |         | Area  | Production | Yield | Area  | Production | Yield | Area  | Production | Yield |
| (1)               | (2)     | (3)   | (4)        | (5)   | (6)   | (7)        | (8)   | (9)   | (10)       | (11)  |
| 1                 | 1960-61 | 1,300 | 1,369      | 1,054 | 907   | 401        | 442   | 6,284 | 4,224      | 672   |
| 2                 | 1970-71 | 1,352 | 1,662      | 1,229 | 812   | 440        | 542   | 5,703 | 1,557      | 273   |
| 3                 | 1980-81 | 1,459 | 2,315      | 1,587 | 1,063 | 886        | 834   | 6,469 | 4,409      | 681   |
| 4                 | 1990-91 | 1,597 | 2,344      | 1,467 | 867   | 909        | 1,049 | 6,300 | 5,929      | 941   |
| 5                 | 2000-01 | 1,512 | 1,930      | 1,277 | 754   | 948        | 1,256 | 5,094 | 3,988      | 783   |
| 6                 | 2010-11 | 1,516 | 2,691      | 1,775 | 1,307 | 2,301      | 1,761 | 4,060 | 3,452      | 850   |
| 7                 | 2016-17 | 1,535 | 3,581      | 2,333 | 1,272 | 2,214      | 1,740 | 3,616 | 2,538      | 702   |
| 8                 | 2017-18 | 1,451 | 2,731      | 1,882 | 1,138 | 1,885      | 1,657 | 3,464 | 2,390      | 690   |
| 9                 | 2018-19 | 1,465 | 3,276      | 2,236 | 834   | 1,249      | 1,497 | 2,440 | 1,197      | 491   |

| Sr. No. | Year    | Bajra |            |       | Other Cereals |            |       | All Cereals |            |       |
|---------|---------|-------|------------|-------|---------------|------------|-------|-------------|------------|-------|
|         |         | Area  | Production | Yield | Area          | Production | Yield | Area        | Production | Yield |
| (1)     | (2)     | (12)  | (13)       | (14)  | (15)          | (16)       | (17)  | (18)        | (19)       | (20)  |
| 1       | 1960-61 | 1,635 | 489        | 299   | 480           | 272        | 567   | 10,606      | 6,755      | 637   |
| 2       | 1970-71 | 2,039 | 824        | 404   | 414           | 254        | 614   | 10,320      | 4,737      | 459   |
| 3       | 1980-81 | 1,534 | 697        | 454   | 451           | 340        | 754   | 10,976      | 8,647      | 788   |
| 4       | 1990-91 | 1,940 | 1,115      | 575   | 432           | 443        | 1,025 | 11,136      | 10,740     | 964   |
| 5       | 2000-01 | 1,800 | 1,087      | 604   | 664           | 544        | 819   | 9,824       | 8,497      | 865   |
| 6       | 2010-11 | 1,035 | 1,123      | 1,086 | 1,068         | 2,749      | 2,575 | 8,985       | 12,317     | 1,371 |
| 7       | 2016-17 | 837   | 800        | 955   | 1,230         | 3,512      | 2,856 | 8,490       | 12,646     | 1,489 |
| 8       | 2017-18 | 788   | 669        | 849   | 1,222         | 3,269      | 2,675 | 8,063       | 10,944     | 1,357 |
| 9       | 2018-19 | 610   | 332        | 545   | 1,079         | 1,892      | 1,754 | 6,427       | 7,947      | 1,236 |

| Sr. No. | Year    | Tur   |            |       | Gram  |            |       | Moong |            |       |
|---------|---------|-------|------------|-------|-------|------------|-------|-------|------------|-------|
|         |         | Area  | Production | Yield | Area  | Production | Yield | Area  | Production | Yield |
| (1)     | (2)     | (21)  | (22)       | (23)  | (24)  | (25)       | (26)  | (27)  | (28)       | (29)  |
| 1       | 1960-61 | 530   | 468        | 883   | 402   | 134        | 333   | 0     | 0          | 0     |
| 2       | 1970-71 | 627   | 271        | 432   | 310   | 87         | 281   | 0     | 0          | 0     |
| 3       | 1980-81 | 644   | 319        | 495   | 410   | 137        | 335   | 0     | 0          | 0     |
| 4       | 1990-91 | 1,004 | 419        | 417   | 668   | 355        | 532   | 0     | 0          | 0     |
| 5       | 2000-01 | 1,096 | 660        | 602   | 676   | 351        | 519   | 714   | 244        | 341   |
| 6       | 2010-11 | 1,302 | 976        | 750   | 1,438 | 1,300      | 904   | 554   | 372        | 672   |
| 7       | 2016-17 | 1,436 | 2,089      | 1,455 | 1,929 | 1,941      | 1,006 | 444   | 260        | 585   |
| 8       | 2017-18 | 1,375 | 1,250      | 909   | 2,234 | 2,049      | 917   | 432   | 159        | 367   |
| 9       | 2018-19 | 1,261 | 835        | 662   | 1,694 | 1,397      | 825   | 481   | 204        | 424   |

| Sr. No. | Year    | Udid |            |       | Other Pulses |            |       | All Pulses |            |       |
|---------|---------|------|------------|-------|--------------|------------|-------|------------|------------|-------|
|         |         | Area | Production | Yield | Area         | Production | Yield | Area       | Production | Yield |
| (1)     | (2)     | (30) | (31)       | (32)  | (33)         | (34)       | (35)  | (36)       | (37)       | (38)  |
| 1       | 1960-61 | 0    | 0          | 0     | 1,417        | 387        | 273   | 2,349      | 989        | 421   |
| 2       | 1970-71 | 0    | 0          | 0     | 1,629        | 319        | 196   | 2,566      | 677        | 264   |
| 3       | 1980-81 | 0    | 0          | 0     | 1,661        | 369        | 222   | 2,715      | 825        | 304   |
| 4       | 1990-91 | 0    | 0          | 0     | 1,585        | 667        | 421   | 3,257      | 1,441      | 442   |
| 5       | 2000-01 | 574  | 205        | 357   | 497          | 177        | 356   | 3,557      | 1,637      | 460   |
| 6       | 2010-11 | 482  | 329        | 682   | 262          | 119        | 455   | 4,038      | 3,096      | 767   |
| 7       | 2016-17 | 338  | 183        | 542   | 211          | 110        | 522   | 4,358      | 4,584      | 1,052 |
| 8       | 2017-18 | 351  | 121        | 346   | 185          | 105        | 568   | 4,577      | 3,684      | 805   |
| 9       | 2018-19 | 367  | 155        | 421   | 199          | 93         | 467   | 4,002      | 2,683      | 670   |

(Contd.)

## ANNEXURE 7.3 (Concl.)

Area : '000 ha  
Production : '000 MT  
Yield : Kg per ha

| <b>Foodgrains</b> |         |                  |            |       |           |            |       |          |            |       |
|-------------------|---------|------------------|------------|-------|-----------|------------|-------|----------|------------|-------|
| Sr. No.           | Year    | Total Foodgrains |            |       | Groundnut |            |       | Soyabean |            |       |
|                   |         | Area             | Production | Yield | Area      | Production | Yield | Area     | Production | Yield |
| (1)               | (2)     | (39)             | (40)       | (41)  | (42)      | (43)       | (44)  | (45)     | (46)       | (47)  |
| 1                 | 1960-61 | 12,955           | 7,744      | 598   | 1,083     | 800        | 739   | 0        | 0          | 0     |
| 2                 | 1970-71 | 12,886           | 5,414      | 420   | 904       | 586        | 649   | 0        | 0          | 0     |
| 3                 | 1980-81 | 13,691           | 9,472      | 692   | 695       | 451        | 648   | 0        | 0          | 0     |
| 4                 | 1990-91 | 14,393           | 12,181     | 846   | 864       | 979        | 1,132 | 201      | 190        | 947   |
| 5                 | 2000-01 | 13,382           | 10,133     | 757   | 490       | 470        | 958   | 1,142    | 1,266      | 1,109 |
| 6                 | 2010-11 | 13,023           | 15,413     | 1,183 | 395       | 470        | 1,290 | 2,729    | 4,316      | 1,581 |
| 7                 | 2016-17 | 12,848           | 17,229     | 1,341 | 355       | 420        | 1,183 | 3,841    | 4,587      | 1,194 |
| 8                 | 2017-18 | 12,640           | 14,628     | 1,157 | 291       | 345        | 1,184 | 3,694    | 3,805      | 1,030 |
| 9                 | 2018-19 | 10,430           | 10,630     | 1,019 | 244       | 239        | 977   | 4,075    | 4,611      | 1,132 |

| Sr. No. | Year    | Safflower |            |       | Other Oilseeds |            |       | All Oilseeds |            |       |
|---------|---------|-----------|------------|-------|----------------|------------|-------|--------------|------------|-------|
|         |         | Area      | Production | Yield | Area           | Production | Yield | Area         | Production | Yield |
| (1)     | (2)     | (48)      | (49)       | (50)  | (51)           | (52)       | (53)  | (54)         | (55)       | (56)  |
| 1       | 1960-61 | 331       | 0          | 0     | 454            | 0          | 0     | 1,868        | 0          | 0     |
| 2       | 1970-71 | 406       | 102        | 252   | 408            | 65         | 159   | 1,718        | 753        | 438   |
| 3       | 1980-81 | 480       | 174        | 363   | 605            | 103        | 170   | 1,780        | 728        | 426   |
| 4       | 1990-91 | 634       | 258        | 408   | 1,127          | 455        | 404   | 2,826        | 1,882      | 666   |
| 5       | 2000-01 | 296       | 122        | 412   | 631            | 241        | 382   | 2,559        | 2,099      | 820   |
| 6       | 2010-11 | 173       | 94         | 544   | 331            | 176        | 532   | 3,628        | 5,056      | 1,394 |
| 7       | 2016-17 | 76        | 52         | 691   | 137            | 54         | 394   | 4,409        | 5,113      | 1,160 |
| 8       | 2017-18 | 39        | 21         | 548   | 115            | 39         | 339   | 4,133        | 4,208      | 1,018 |
| 9       | 2018-19 | 25        | 12         | 475   | 113            | 23         | 312   | 4,458        | 4,885      | 1,096 |

| <b>Cash crops</b> |         |                |            |               |               |            |       |         |            |       |
|-------------------|---------|----------------|------------|---------------|---------------|------------|-------|---------|------------|-------|
| Sr. No.           | Year    | Sugarcane      |            |               | Cotton (lint) |            |       | Tobacco |            |       |
|                   |         | Harvested Area | Production | Yield (in MT) | Area          | Production | Yield | Area    | Production | Yield |
| (1)               | (2)     | (57)           | (58)       | (59)          | (60)          | (61)       | (62)  | (63)    | (64)       | (65)  |
| 1                 | 1960-61 | 155            | 10,404     | 66.92         | 2,500         | 1,673      | 114   | 25      | 12         | 480   |
| 2                 | 1970-71 | 167            | 14,433     | 86.53         | 2,750         | 484        | 30    | 12      | 5          | 448   |
| 3                 | 1980-81 | 258            | 23,706     | 91.74         | 2,550         | 1,224      | 82    | 12      | 8          | 648   |
| 4                 | 1990-91 | 442            | 38,154     | 86.40         | 2,721         | 1,875      | 117   | 8       | 8          | 1,039 |
| 5                 | 2000-01 | 595            | 49,569     | 83.27         | 3,077         | 1,803      | 100   | 8       | 9          | 1,148 |
| 6                 | 2010-11 | 965            | 85,691     | 88.85         | 3,942         | 7,473      | 322   | 1       | 1          | 994   |
| 7                 | 2016-17 | 633            | 54,237     | 86.00         | 4,212         | 10,755     | 434   | 0.01    | 0.11       | 1,363 |
| 8                 | 2017-18 | 902            | 83,138     | 92.00         | 4,351         | 6,094      | 238   | 1       | 1          | 1,245 |
| 9                 | 2018-19 | 1,163          | 89,771     | 77.00         | 4,219         | 6,593      | 266   | 0.5     | 0.8        | 1,745 |

Source – Commissionerate of Agriculture, GoM

Note – (1) Information is based on final forecast.

(2) Production of cotton in 170 kg/bale in '000 bales.

## ANNEXURE 7.4

## CROPWISE INDEX NUMBERS OF AGRICULTURAL PRODUCTION IN THE STATE

(Triennial average - Base: 1979-82=100)

| Groups/Crops<br>(1)             | Weight<br>(2) | 1982-83<br>(3) | 1990-91<br>(4) | 2000-01<br>(5) | 2010-11<br>(6) | 2015-16<br>(7) | 2016-17<br>(8) | 2017-18<br>(9) | 2018-19<br>(10) |
|---------------------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| <b>1. Foodgrains -</b>          |               |                |                |                |                |                |                |                |                 |
| <b>(a) Cereals -</b>            |               |                |                |                |                |                |                |                |                 |
| (i) Rice                        | 9.49          | 87.4           | 106.1          | 87.4           | 122.1          | 117.4          | 162.2          | 123.6          | 148.3           |
| (ii) Wheat                      | 5.92          | 80.6           | 93.9           | 97.9           | 237.7          | 101.4          | 228.7          | 194.7          | 129.0           |
| (iii) Jowar                     | 22.16         | 95.5           | 121.1          | 81.4           | 70.5           | 24.6           | 51.8           | 48.8           | 24.4            |
| (iv) Bajra                      | 3.08          | 64.2           | 154.3          | 150.5          | 155.5          | 46.1           | 110.7          | 92.6           | 46.0            |
| (v) Barley                      | 0.02          | 37.7           | 17.0           | 13.2           | 188.7          | NA             | NA             | NA             | NA              |
| (vi) Maize                      | 0.46          | 36.9           | 105.2          | 253.8          | 2,180.5        | 1,390.7        | 2,789.4        | 2,618.9        | 1,479.5         |
| (vii) Ragi                      | 0.85          | 92.0           | 98.4           | 60.8           | 55.5           | 43.9           | 52.5           | 50.2           | 44.2            |
| (viii) Kodra                    | 0.05          | 73.7           | 66.6           | 43.6           | 23.6           | NA             | NA             | NA             | NA              |
| (ix) Other cereals              | 0.19          | 76.7           | 150.8          | 162.5          | 26.1           | 47.3           | 112.5          | 59.0           | 51.9            |
| <b>Total - Cereals</b>          | <b>42.22</b>  | <b>88.5</b>    | <b>115.7</b>   | <b>91.9</b>    | <b>134.2</b>   | <b>73.1</b>    | <b>135.8</b>   | <b>117.3</b>   | <b>84.9</b>     |
| <b>(b) Pulses -</b>             |               |                |                |                |                |                |                |                |                 |
| (i) Gram                        | 1.47          | 78.4           | 215.8          | 213.3          | 790.7          | 472.4          | 1,180.5        | 1,246.0        | 849.6           |
| (ii) Tur                        | 5.45          | 96.1           | 105.2          | 166.0          | 245.3          | 111.7          | 525.1          | 314.3          | 209.7           |
| (iii) Other pulses              | 3.52          | 112.5          | 160.0          | 150.0          | 196.5          | 19.3           | 132.6          | 92.3           | 108.1           |
| <b>Total - Pulses</b>           | <b>10.44</b>  | <b>99.2</b>    | <b>139.2</b>   | <b>167.3</b>   | <b>305.6</b>   | <b>131.3</b>   | <b>485.1</b>   | <b>370.6</b>   | <b>265.6</b>    |
| <b>Total - Foodgrains</b>       | <b>52.66</b>  | <b>90.6</b>    | <b>120.4</b>   | <b>106.8</b>   | <b>168.2</b>   | <b>84.7</b>    | <b>205.0</b>   | <b>167.4</b>   | <b>120.7</b>    |
| <b>2. Non-Foodgrains</b>        |               |                |                |                |                |                |                |                |                 |
| <b>(a) Oil Seeds -</b>          |               |                |                |                |                |                |                |                |                 |
| (i) Groundnut                   | 7.23          | 71.4           | 158.9          | 76.2           | 74.3           | 54.2           | 46.6           | 55.9           | 38.7            |
| (ii) Sesamum                    | 0.57          | 94.2           | 223.7          | 88.9           | 58.9           | 12.2           | 414.4          | 19.7           | 19.3            |
| (iii) Rape, mustard and linseed | 0.78          | 73.4           | 86.5           | 30.8           | 5.1            | 6.5            | 11.3           | 9.0            | 8.0             |
| (iv) Castor seed                | 0.01          | 25.0           | 166.7          | 358.3          | 333.3          | 375.5          | 455.7          | 316.7          | 303.9           |
| (v) Sunflower                   | 0.57          | 76.8           | 609.8          | 352.3          | 267.3          | 88.4           | 70.5           | 41.6           | 14.5            |
| <b>Total - Oil seeds</b>        | <b>9.16</b>   | <b>73.3</b>    | <b>184.8</b>   | <b>90.6</b>    | <b>79.8</b>    | <b>50.0</b>    | <b>68.4</b>    | <b>49.0</b>    | <b>33.7</b>     |
| <b>(b) Fibres -</b>             |               |                |                |                |                |                |                |                |                 |
| (i) Cotton                      | 9.89          | 110.4          | 128.6          | 123.6          | 512.3          | 287.1          | 737.3          | 417.8          | 452.0           |
| (ii) Mesta                      | 0.04          | 44.5           | 38.0           | 36.5           | 26.4           | NA             | NA             | NA             | NA              |
| <b>Total - Fibres</b>           | <b>9.93</b>   | <b>110.1</b>   | <b>128.2</b>   | <b>123.2</b>   | <b>510.4</b>   | <b>286.1</b>   | <b>734.4</b>   | <b>416.1</b>   | <b>450.2</b>    |
| <b>(c) Miscellaneous -</b>      |               |                |                |                |                |                |                |                |                 |
| (i) Sugarcane                   | 25.97         | 114.3          | 158.2          | 186.9          | 297.2          | 261.0          | 204.5          | 313.4          | 338.4           |
| (ii) Tobacco                    | 0.14          | 68.3           | 117.3          | 138.1          | 32.7           | NA             | 0.2            | 10.2           | 11.9            |
| (iii) Potato                    | 0.22          | 84.2           | 120.9          | 121.9          | NA             | NA             | NA             | NA             | NA              |
| (iv) Chilli                     | 1.92          | 107.1          | 102.2          | 82.0           | NA             | NA             | NA             | NA             | NA              |
| <b>Total- Miscellaneous</b>     | <b>28.25</b>  | <b>113.3</b>   | <b>153.9</b>   | <b>179.0</b>   | <b>273.4</b>   | <b>240.0</b>   | <b>188.0</b>   | <b>288.2</b>   | <b>311.2</b>    |
| <b>Total - Non - Foodgrains</b> | <b>47.34</b>  | <b>104.9</b>   | <b>154.5</b>   | <b>150.2</b>   | <b>285.6</b>   | <b>204.1</b>   | <b>279.5</b>   | <b>268.8</b>   | <b>286.7</b>    |
| <b>All Crops</b>                | <b>100.00</b> | <b>97.4</b>    | <b>136.5</b>   | <b>127.4</b>   | <b>223.8</b>   | <b>141.2</b>   | <b>240.2</b>   | <b>215.4</b>   | <b>199.3</b>    |

Source - Commissionerate of Agriculture, GoM

N.A. Not Available

Note - Index numbers for 2015-16 to 2018-19 are provisional.

## ANNEXURE 7.5

## AREA UNDER IRRIGATION IN THE STATE

| Sr. No. | Year    | Area irrigated |               |       |       | Intensity of irrigated cropping | No. of irrigation Wells ('000) | Net area irrigated per well (ha) | Gross cropped area | Percentage of gross irrigated area to gross cropped area |
|---------|---------|----------------|---------------|-------|-------|---------------------------------|--------------------------------|----------------------------------|--------------------|----------------------------------------------------------|
|         |         | Wells          | Other sources | Net   | Gross |                                 |                                |                                  |                    |                                                          |
| (1)     | (2)     | (3)            | (4)           | (5)   | (6)   | (7)                             | (8)                            | (9)                              | (10)               | (11)                                                     |
| 1       | 1960-61 | 595            | 477           | 1,072 | 1,220 | 114                             | 542                            | 1.10                             | 18,823             | 6.5                                                      |
| 2       | 1970-71 | 768            | 579           | 1,347 | 1,570 | 117                             | 694                            | 1.11                             | 18,737             | 8.4                                                      |
| 3       | 1980-81 | 1,055          | 780           | 1,835 | 2,415 | 132                             | 826                            | 1.28                             | 19,642             | 12.3                                                     |
| 4       | 1990-91 | 1,672          | 999           | 2,671 | 3,319 | 124                             | 1,017                          | 1.64                             | 21,859             | 15.2                                                     |
| 5       | 2000-01 | 2,262          | 987           | 3,249 | 3,852 | 119                             | 1,318                          | 1.72                             | 21,619             | 17.8                                                     |
| 6       | 2001-02 | 2,146          | 990           | 3,136 | 3,727 | 119                             | 1,322                          | 1.52                             | 20,991             | 17.8                                                     |
| 7       | 2002-03 | 2,145          | 1,071         | 3,216 | 3,806 | 118                             | 1,331                          | 1.61                             | 20,915             | 18.2                                                     |
| 8       | 2003-04 | 1,914          | 1,030         | 2,944 | 3,636 | 123                             | NA                             | NA                               | 22,190             | 16.4                                                     |
| 9       | 2004-05 | 1,942          | 1,001         | 2,993 | 3,665 | 125                             | NA                             | NA                               | 22,376             | 16.4                                                     |
| 10      | 2005-06 | 2,077          | 1,070         | 3,147 | 3,810 | 118                             | NA                             | NA                               | 22,556             | 16.9                                                     |
| 11      | 2006-07 | 2,109          | 1,137         | 3,246 | 3,958 | 122                             | NA                             | NA                               | 22,557             | 17.6                                                     |
| 12      | 2007-08 | 2,151          | 1,160         | 3,311 | 4,037 | 122                             | NA                             | NA                               | 22,655             | 17.8                                                     |
| 13      | 2008-09 | 2,115          | 1,140         | 3,255 | 3,970 | 122                             | NA                             | NA                               | 22,454             | 17.7                                                     |
| 14      | 2009-10 | 2,159          | 1,162         | 3,321 | 4,050 | 122                             | NA                             | NA                               | 22,612             | 17.9                                                     |
| 15      | 2010-11 | NA             | NA            | NA    | NA    | NA                              | NA                             | NA                               | 23,175             | NA                                                       |
| 16      | 2011-12 | NA             | NA            | NA    | NA    | NA                              | NA                             | NA                               | 23,106             | NA                                                       |
| 17      | 2012-13 | NA             | NA            | NA    | NA    | NA                              | NA                             | NA                               | 23,115             | NA                                                       |
| 18      | 2013-14 | NA             | NA            | NA    | NA    | NA                              | NA                             | NA                               | 23,380             | NA                                                       |
| 19      | 2014-15 | NA             | NA            | NA    | NA    | NA                              | NA                             | NA                               | 23,273             | NA                                                       |
| 20      | 2015-16 | NA             | NA            | NA    | NA    | NA                              | NA                             | NA                               | 22,863             | NA                                                       |
| 21      | 2016-17 | NA             | NA            | NA    | NA    | NA                              | NA                             | NA                               | 23,224             | NA                                                       |
| 22      | 2017-18 | NA             | NA            | NA    | NA    | NA                              | NA                             | NA                               | 23,268             | NA                                                       |

Source - Commissionerate of Agriculture, GoM

NA Not Available

Note - (1) Details may not add up to the totals due to rounding.

(2) Intensity under Col. No. 7 is worked out by using the formula (Col. No. 6 ÷ Col. No. 5) x 100.

(3) Figures for the years 2003-04 to 2017-18 are provisional.

(4) Vide Water Resources Department, GoM, GR dated 26<sup>th</sup> August 2016, and instructions regarding procedure for collecting data are issued.

## ANNEXURE 7.6

## IRRIGATION &amp; NON-IRRIGATION WATER CHARGES LEVIED, RECOVERED AND OUTSTANDING

(₹ Crore)

| Year    | Water charges levied |                |          | Recovery   |                |          | Outstanding at the end of year |                |           |
|---------|----------------------|----------------|----------|------------|----------------|----------|--------------------------------|----------------|-----------|
|         | Irrigation           | Non-Irrigation | Total    | Irrigation | Non-Irrigation | Total    | Irrigation                     | Non-Irrigation | Total     |
| (1)     | (2)                  | (3)            | (4)      | (5)        | (6)            | (7)      | (8)                            | (9)            | (10)      |
| 2000-01 | 74.48                | 362.60         | 437.08   | 41.23      | 153.99         | 195.22   | 223.39                         | 571.30         | 794.69    |
| 2001-02 | 84.72                | 368.83         | 453.55   | 43.57      | 208.12         | 251.69   | 264.54                         | 732.01         | 996.55    |
| 2002-03 | 83.17                | 360.68         | 443.85   | 42.02      | 335.50         | 377.52   | 303.79                         | 751.99         | 1,055.78  |
| 2003-04 | 93.03                | 360.26         | 453.29   | 42.89      | 335.20         | 378.09   | 376.63                         | 353.06         | 729.69    |
| 2004-05 | 78.69                | 418.44         | 497.13   | 45.78      | 402.57         | 448.35   | 415.59                         | 378.59         | 794.18    |
| 2005-06 | 68.25                | 350.28         | 418.53   | 64.03      | 349.45         | 413.48   | 410.18                         | 282.09         | 692.27    |
| 2006-07 | 90.70                | 408.75         | 499.45   | 74.72      | 420.26         | 494.98   | 427.01                         | 245.82         | 672.82    |
| 2007-08 | 110.35               | 563.89         | 674.24   | 70.47      | 556.54         | 627.01   | 473.70                         | 275.20         | 748.90    |
| 2008-09 | 112.95               | 695.37         | 808.32   | 71.05      | 602.11         | 673.16   | 531.10                         | 466.38         | 1,004.61  |
| 2009-10 | 95.00                | 715.11         | 810.11   | 69.94      | 732.69         | 802.63   | 561.77                         | 466.38         | 1,028.15  |
| 2010-11 | 96.24                | 670.46         | 766.70   | 79.03      | 666.87         | 745.90   | 745.90                         | 468.62         | 1,047.90  |
| 2011-12 | 109.73               | 541.06         | 650.79   | 79.13      | 541.13         | 620.26   | 608.87                         | 461.74         | 1,070.61  |
| 2012-13 | 82.98                | 670.12         | 753.10   | 63.10      | 443.05         | 506.15   | 618.78                         | 656.52         | 1275.30   |
| 2013-14 | 70.37                | 536.67         | 607.04   | 57.57      | 457.20         | 514.77   | 631.49                         | 728.24         | 1,359.73  |
| 2014-15 | 78.15                | 593.59         | 671.74   | 61.97      | 574.53         | 636.50   | 648.29                         | 695.80         | 1,344.09  |
| 2015-16 | 80.04                | 660.13         | 740.16   | 49.16      | 523.42         | 572.59   | 679.02                         | 835.13         | 1,514.15  |
| 2016-17 | 73.05                | 690.47         | 763.52   | 59.46      | 513.43         | 572.89   | 693.99                         | 1,010.29       | 1,704.28  |
| 2017-18 | 93.72                | 735.06         | 828.78   | 74.30      | 613.84         | 688.14   | 714.00                         | 1,135.19       | 1,849.19  |
| 2018-19 | 105.79               | 1,030.95       | 1,136.74 | 78.27      | 965.87         | 1,044.14 | 749.07                         | 1,198.52       | 1,947.59* |

Source – Chief Auditor, Water and Irrigation, Aurangabad under Water Resources Department

\* Provisional

**ANNEXURE 7.7**  
**LIVESTOCK AND POULTRY IN THE STATE**

| ('000)                   |        |           |                    |                                     |                        |                                                                                          |                                                                         |                                        |                                |
|--------------------------|--------|-----------|--------------------|-------------------------------------|------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------|--------------------------------|
| Livestock<br>Census Year | Cattle | Buffaloes | Sheep and<br>goats | Other<br>live<br>stock <sup>+</sup> | Total<br>live<br>stock | Sheep and<br>goats per<br>hundred<br>hectares of<br>grazing and<br>pasture land<br>(no.) | Livestock<br>per hundred<br>hectares of<br>net area<br>cropped<br>(no.) | Livestock<br>per lakh of<br>population | Total<br>poultry <sup>\$</sup> |
| (1)                      | (2)    | (3)       | (4)                | (5)                                 | (6)                    | (7)                                                                                      | (8)                                                                     | (9)                                    | (10)                           |
| 1961                     | 15,328 | 3,087     | 7,273              | 360                                 | 26,048                 | 512                                                                                      | 144                                                                     | 66                                     | 10,578                         |
| 1966                     | 14,729 | 3,042     | 7,326              | 352                                 | 25,449                 | 522                                                                                      | 140                                                                     | 57                                     | 9,902                          |
| 1972                     | 14,705 | 3,301     | 8,038              | 317                                 | 26,361                 | 491                                                                                      | 164                                                                     | 52                                     | 12,217                         |
| 1978                     | 15,218 | 3,899     | 10,199             | 326                                 | 29,642                 | 650                                                                                      | 162                                                                     | 51                                     | 18,751                         |
| 1982                     | 16,162 | 3,972     | 10,376             | 409                                 | 30,919                 | 673                                                                                      | 175                                                                     | 48                                     | 19,845                         |
| 1987                     | 16,983 | 4,755     | 12,068             | 449                                 | 34,255                 | 950                                                                                      | 189                                                                     | 48                                     | 24,830                         |
| 1992                     | 17,441 | 5,447     | 13,016             | 489                                 | 36,393                 | 940                                                                                      | 202                                                                     | 46                                     | 32,187                         |
| 1997                     | 18,071 | 6,073     | 14,802             | 692                                 | 39,638                 | 1,104                                                                                    | 223                                                                     | 50                                     | 35,392                         |
| 2003                     | 16,738 | 6,084     | 13,624             | 612                                 | 37,058                 | 1,016                                                                                    | 213                                                                     | 36                                     | 34,596                         |
| 2007                     | 16,184 | 6,073     | 13,301             | 397                                 | 35,955                 | 1,064                                                                                    | 206                                                                     | 37                                     | 64,756 <sup>@</sup>            |
| 2012                     | 15,484 | 5,595     | 11,016             | 394                                 | 32,489                 | 885                                                                                      | 187                                                                     | 29                                     | 77,795 <sup>@</sup>            |
| 2019                     | 13,993 | 5,604     | 13,285             | 198                                 | 33,080                 | NA                                                                                       | NA                                                                      | NA                                     | 74,298                         |

Source - Livestock Census

NA Not Available

Note - Details may not add up to totals due to rounding.

+ 'Other livestock' includes pigs, horses & ponies, mules, camels and donkeys.

\$ Total poultry includes Turkey, Quail & other birds.

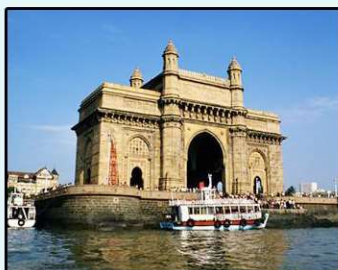
@ Total poultry includes birds in poultry farm.







## 8 Industry and Co-operation





## 8. INDUSTRY AND CO-OPERATION

### INDUSTRY

8.1 Industry sector plays a pivotal role in the economic development. It stimulates progress in other sectors of the economy, increases employment opportunities as well as helps in development of domestic markets. Equipped with well developed infrastructure facilities, abundant natural resources, good connectivity through all modes, skilled manpower and quality education, the State has always been regarded as industrial powerhouse of the country. The State has been consistently taking effective measures such as ease of doing business, providing physical infrastructure, promoting emerging sectors, policy incentives, etc.

#### **Maharashtra Industrial Policy 2019**

8.2 The State has announced a Industrial Policy 2019 commencing from April 1, 2019. The focus of the policy is on accelerated industrial growth and sustainable development. The incentives in the policy are in the form of subsidies on power, interest & State GST paid and exemptions on stamp duty, electricity duty. In order to have development in the emerging sectors, thrust sectors have been identified and priority is being given in land allotment and incentives. In all 14 thrust sectors have been identified and some of these are as follows :

- Electric vehicles (manufacturing, infrastructure and servicing)
- Industry 4.0 (artificial intelligence, 3D printing, internet of things & robotics, nanotechnology)
- Integrated data centre parks
- Textile machinery manufacturing
- Agro & food processing units
- Information Technology (IT) & IT Enabled Services (ITES)
- Electronic systems design & manufacturing and semi-conductor fabrication

8.2.1 The State intends to promote setting up of industrial clusters along the special projects declared by Central/State Government such as *Hindu Hridayasamrat Balasaheb Thackrey Samruddhi Mahamarg*, Delhi Mumbai Industrial Corridor (DMIC), *Sagarmala*, *Bharatmala*, etc. It also promotes innovative startups by providing necessary infrastructure and creating facilitating environment involving young entrepreneurs to enable sharing of their ideas and help them by handholding, mentoring and providing them financial assistance. It intends to strengthen and promote the MSME sector which is instrumental in creating local entrepreneurship and employment.

#### **Industrial Investment in the State**

8.3 During August, 1991 to August, 2019 in all 20,501 industrial projects with an investment of ₹ 13,02,518 crore were approved. Of this, 9,099 projects (44.4 per cent) with an investment of ₹ 3,06,862 crore (23.6 per cent) were commissioned, which generated employment of about 13.23 lakh.

8.3.1 IT has maximum investment of ₹ 3,98,912 crore (30.6 per cent of the total investment) with 571 approved projects followed by fuel and metallurgical industry with an investment of ₹ 1,43,314 crore (11.0 per cent) and ₹ 1,08,909 crore (8.4 per cent) respectively. These three industries accounted for almost 49.9 per cent of the total approved investment. The number of projects approved and commissioned in the State by industry type are given in Table 8.1 and year-wise details regarding the registered and implemented industrial projects along with their investment and employment are given in Table 8.2.

**Table 8.1 Projects approved and commissioned by Industry type**

(August, 1991 to August, 2019)

| Industry type                             | Approved projects |                         | Commissioned projects |                         |
|-------------------------------------------|-------------------|-------------------------|-----------------------|-------------------------|
|                                           | No.               | Investment<br>(₹ Crore) | No.                   | Investment<br>(₹ Crore) |
| Information Technology                    | 571               | 3,98,912                | 337                   | 61,706                  |
| Fuel                                      | 849               | 1,43,314                | 214                   | 28,501                  |
| Metallurgical                             | 1,958             | 1,08,909                | 961                   | 38,325                  |
| Chemical & Fertilizers                    | 2,939             | 71,557                  | 1,434                 | 26,423                  |
| Textiles                                  | 2,096             | 60,211                  | 978                   | 19,108                  |
| Electrical & Electronics                  | 1,272             | 46,964                  | 720                   | 10,664                  |
| Sugar                                     | 1,604             | 41,670                  | 263                   | 9,319                   |
| Transportation                            | 437               | 33,401                  | 296                   | 25,236                  |
| Processed Food                            | 1,141             | 31,911                  | 485                   | 9,032                   |
| Photographic Raw Film & Papers            | 1,010             | 30,306                  | 581                   | 14,366                  |
| Cement Gypsum                             | 387               | 30,228                  | 155                   | 6,876                   |
| Industrial Machinery                      | 872               | 26,404                  | 520                   | 9,743                   |
| Pharmaceuticals                           | 898               | 19,516                  | 516                   | 6,980                   |
| Paper & Paper Products                    | 572               | 18,226                  | 287                   | 8,145                   |
| Engineering                               | 379               | 18,046                  | 223                   | 6,245                   |
| Machine Tools/ Ceramics/ Misc. Industries | 546               | 17,789                  | 338                   | 7,449                   |
| Vegetable Oil & <i>Vanaspati</i>          | 391               | 16,964                  | 214                   | 2,796                   |
| Others                                    | 2,579             | 1,88,190                | 577                   | 15,948                  |
| <b>Total</b>                              | <b>20,501</b>     | <b>13,02,518</b>        | <b>9,099</b>          | <b>3,06,862</b>         |

Source : Directorate of Industries, GoM

**Table 8.2 Industrial projects registered and implemented**

| Year              | Registered projects |                         | Implemented projects |                         |                        |
|-------------------|---------------------|-------------------------|----------------------|-------------------------|------------------------|
|                   | Number              | Investment<br>(₹ crore) | Number               | Investment<br>(₹ crore) | Expected<br>Employment |
| 2017              | 354                 | 48,581                  | 158                  | 17,566                  | 63,573                 |
| 2018              | 426                 | 86,163                  | 37                   | 1,976                   | 18,353                 |
| 2019 <sup>+</sup> | 249                 | 26,540                  | 1                    | 37                      | 60                     |

Source : Directorate of Industries, GoM

+ upto August

8.3.2 The State's share in the total approved industrial projects and total investment therein is 17.9 per cent and 10.3 per cent respectively. Information regarding approved industrial projects in selected states is given in Table 8.3.



**Table 8.3 Approved industrial projects<sup>@</sup> in selected States**

(August, 1991 to August, 2019)

| Particulars          | Maharashtra         | Gujarat             | Tamil Nadu        | Andhra Pradesh <sup>\$</sup> | Uttar Pradesh     | Karnataka           | All-India              |
|----------------------|---------------------|---------------------|-------------------|------------------------------|-------------------|---------------------|------------------------|
| Projects (no.)       | 20,501<br>(17.9)    | 14,548<br>(12.7)    | 9,783<br>(8.6)    | 9,230<br>(8.1)               | 8,583<br>(7.5)    | 5,860<br>(5.1)      | 1,14,286<br>(100.0)    |
| Investment (₹ Crore) | 13,02,518<br>(10.3) | 17,59,332<br>(14.0) | 5,60,494<br>(4.4) | 10,60,569<br>(8.4)           | 3,91,357<br>(3.1) | 13,18,207<br>(10.5) | 1,26,09,697<br>(100.0) |

<sup>@</sup> Includes IEM/LOI/100 per cent EOU proposals<sup>\$</sup> includes Telangana

Note : Figures in brackets are percentage to All-India

Source : Directorate of Industries, GoM

## Investment in Mega Projects

8.4 Mega Project Policy has been implemented in the State since 2005. The State has approved 643 mega projects with an investment of ₹ 4,79,950 crore and proposed employment of 5.23 lakh upto December, 2019. Eligibility certificates have been issued to 206 projects with an actual investment of ₹ 89,342 crore and proposed employment of about 1.37 lakh.

## Investment in Micro, Small and Medium Enterprises

8.5 Since 2015, the Micro, Small & Medium enterprises (MSMEs) are being issued online a *Udyog Aadhaar* Number which is a twelve digit Unique Identification Number provided by the Ministry of Micro, Small and Medium Enterprises, GoI. This is a hassle free registration of a small or medium enterprise which becomes eligible for all government benefits and schemes like low rate interest, easy loan, loan without guarantee, subsidies, etc. Since 2015 to December, 2019 number of MSMEs registered for *Udyog Aadhaar* were 14.90 lakh, of which 13.10 lakh were micro, 1.73 lakh were small and 0.07 lakh were medium enterprises. The total investment of MSMEs in the State was ₹ 2,13,400 crore and employment generated was 78.92 lakh. Region-wise *Udyog Aadhaar* MSMEs is given in Table 8.4.

**Table 8.4 Regionwise *Udyog Aadhaar* MSMEs**

(October, 2015 to December, 2019)

| Region                | <i>Udyog Aadhaar</i> MSMEs |                  | Employment    |                  | Investment       |                  |
|-----------------------|----------------------------|------------------|---------------|------------------|------------------|------------------|
|                       | Number                     | Share (per cent) | Number (Lakh) | Share (per cent) | Amount (₹ Crore) | Share (per cent) |
| Mumbai <sup>#</sup>   | 3,05,195                   | 20.5             | 18.73         | 23.7             | 37,641           | 17.6             |
| Konkan (Excl. Mumbai) | 3,22,933                   | 21.7             | 17.53         | 22.2             | 43,653           | 20.5             |
| Nashik                | 1,31,371                   | 8.8              | 6.52          | 8.2              | 23,255           | 10.9             |
| Pune                  | 3,36,317                   | 22.6             | 20.41         | 25.9             | 62,575           | 29.3             |
| Aurangabad            | 1,52,955                   | 10.2             | 7.56          | 9.6              | 22,604           | 10.6             |
| Amravati              | 59,346                     | 4.0              | 2.28          | 2.9              | 6,971            | 3.3              |
| Nagpur                | 1,82,085                   | 12.2             | 5.89          | 7.5              | 16,701           | 7.8              |
| <b>Total</b>          | <b>14,90,202</b>           | <b>100.0</b>     | <b>78.92</b>  | <b>100.0</b>     | <b>2,13,400</b>  | <b>100.0</b>     |

Source : Directorate of Industries, GoM

<sup>#</sup> including City and Suburb

## Foreign Direct Investment

8.6 Foreign Direct Investment (FDI) has brought innovative technologies in the industrial units, raised competitiveness amongst the units and also increased investment from domestic

markets in the State. The State has remained the favourite destination for FDI with share of about 29 per cent of total FDI inflow at All-India. The FDI inflows in the State since April, 2000 to September, 2019 was ₹ 7,39,306 crore. FDI inflows in some selected States are given in Table 8.5.

**Table 8.5 FDI inflows in some selected States**

| (₹ Crore)                      |                 |                 |                      |                                                        |
|--------------------------------|-----------------|-----------------|----------------------|--------------------------------------------------------|
| State                          | 2017-18         | 2018-19         | 2019-20 <sup>+</sup> | Cummulative Inflows<br>(April, 2000 – September, 2019) |
| Andhra Pradesh <sup>s</sup>    | 8,037           | 23,882          | 3,582                | 1,09,824<br>(4.3)                                      |
| Gujarat                        | 13,457          | 12,618          | 24,012               | 1,41,161<br>(5.5)                                      |
| Karnataka                      | 55,334          | 46,963          | 32,431               | 2,57,941<br>(10.1)                                     |
| <b>Maharashtra<sup>#</sup></b> | <b>86,244</b>   | <b>80,013</b>   | <b>25,316</b>        | <b>7,39,306</b><br><b>(28.9)</b>                       |
| Tamil Nadu                     | 22,354          | 18,164          | 9,394                | 1,83,290<br>(7.2)                                      |
| <b>All India</b>               | <b>2,88,889</b> | <b>3,09,867</b> | <b>1,82,000</b>      | <b>25,60,885</b>                                       |

Note : Figures in bracket indicate percentage to Total All-India inflows

Source : DPIIT, GoI

\$ Including Telangana

# Including Dadra & Nagar Haveli and Daman & Diu

+ upto September

## Exports from Maharashtra

8.7 The State has efficient rail, road, port and airport infrastructure for connectivity along with its long coastline. Thus, it has an able exports performance. Mumbai is the largest and the most important port in India for import-exports. The State benefits in transportation of raw materials as well as finished goods at less time, money and resources. The State's share in All-India exports is about 24 per cent. Exports from the State cover a wide range of products such as gems & jewellery, petrochemicals, readymade garments, cotton yarn, metal & metal products, agro-based products, engineering items, drugs & pharmaceuticals and plastic & plastic items. Exports from Maharashtra and All-India are given in Table 8.6.

**Table 8.6 Exports from Maharashtra and All-India**

| (₹ Crore)            |             |           |
|----------------------|-------------|-----------|
| Year                 | Maharashtra | All-India |
| 2017-18              | 4,49,508    | 19,55,541 |
| 2018-19              | 5,08,975    | 23,07,726 |
| 2019-20 <sup>+</sup> | 3,51,096    | 14,88,121 |

Source : Directorate of Industries, GoM

+upto November

## Special Economic Zones

8.8 To attract foreign direct investment, promote export and generate employment, GoM has announced its Special Economic Zone (SEZ) policy in 2001. In all 251 SEZ proposals have been received upto October, 2019 of which 30 SEZs with total investment of ₹ 36,352 crore and employment of about 5.94 lakh were executed on an area of 4,231 ha. Details regarding area, employment and investment of executed SEZs is given in Table 8.7

**Table 8.7 Details regarding area, employment and investment of executed SEZs**

| (Upto October, 2019) |           |              |                      |                         |
|----------------------|-----------|--------------|----------------------|-------------------------|
| Division             | Number    | Area<br>(ha) | Employment<br>(Lakh) | Investment<br>(₹ Crore) |
| Konkan               | 9         | 421          | 2.50                 | 9,173                   |
| Pune                 | 15        | 729          | 2.02                 | 13,612                  |
| Nashik               | 1         | 1,007        | 1.25                 | 1,380                   |
| Aurangabad           | 3         | 375          | 0.16                 | 4,487                   |
| Amravati             | 0         | 0            | 0                    | 0                       |
| Nagpur               | 2         | 1,699        | 0.01                 | 7,700                   |
| <b>Maharashtra</b>   | <b>30</b> | <b>4,231</b> | <b>5.94</b>          | <b>36,352</b>           |

Source : Directorate of Industries, GoM

## IT Parks

8.9 In order to promote balanced growth of Information Technology (IT) industry in the State, GoM came up with its IT & ITES Policy. Maharashtra Industrial Development Corporation (MIDC), City and Industrial Development Corporation of Maharashtra Limited (CIDCO) and Software Technology Parks of India have developed 37 public IT parks which are functioning in the State with an investment of about ₹ 18,000 crore and about 2.68 lakh employment.

8.9.1 Participation of private sector has been invited for creating world class infrastructure for IT industry. Under this, 530 private IT parks have been approved of which, 190 IT parks are functioning with investment of ₹ 19,927 crore and about 5.30 lakh employment. The remaining 340 IT parks with proposed investment of ₹ 70,994 crore are expected to generate about 12.95 lakh employment opportunities. Private IT parks are located in Pune (186), Mumbai city & Mumbai suburban (172), Thane (158), Nagpur (5), Nashik (5), Aurangabad (3) and Wardha (1) districts.

## Bio-technology Parks

8.10 As per the Bio-technology (BT) policy of the State, several financial incentives and tax benefits are provided to the companies setting up bio-tech units in the State. Two public sector BT Parks have been developed in the State at MIDC Jalna and MIDC Hinjewadi (Pune). Six private sector BT parks are proposed with an investment of about ₹ 305 crore in the State. Fifteen public sector BT–SEZs are proposed with investment of about ₹ 4,968 crore and expected employment generation of about 1.77 lakh.

8.10.1 Upto October, 2019 there were 50 units registered under MSMEs having investment of ₹ 261 crore and expected to generate employment of 0.87 lakh. There were 16 units registered under large units having investment of ₹ 1,120 crore and expected to generate employment of 0.71 lakh.

## Delhi-Mumbai Industrial Corridor

8.11 Delhi-Mumbai Industrial Corridor (DMIC), a planned industrial development project between India's capital Delhi and its financial hub Mumbai, aims to develop new industrial cities as 'Smart Cities' by converging next generation technologies across infrastructure sectors. This corridor covers two industrial areas viz. Shendra-Bidkin and Dighi port in the State. The Shendra-Bidkin Industrial Area is envisioned as a very large-scale industrial cluster and the Dighi Port Industrial Area is intended to be a port as well as trade and industrial hub that will augment the port of Mumbai. Perspective planning for the entire DMIC has been completed and the master planning and preliminary engineering has been undertaken for the cities identified as part of phase-I of DMIC. Aurangabad Industrial City (AURIC), a well-planned and Greenfield smart industrial city based on the concept of Walk to Work, is being developed across an area of 10,000 acres in the State as part of DMIC. State-of-the-art smart technology along with infrastructure with focus on clean, reusable and recycling methodologies are being adopted. Around 53 plots in AURIC have already been allotted to the investors. Total investment in AURIC is more than ₹ 5,000 crore and employment generated is about 2,500.

## Industrial Cluster Development Programme

8.12 GoI has announced the Industrial Cluster Development Programme for the holistic development of the micro and small enterprises. The cluster strategy offers advantages for this sector in terms of efficiency and effectiveness. The State has also announced its Maharashtra State Industrial Cluster Development Programme. Improvement of technology, skills and quality,

capacity building, market access, access to capital, create/upgrade infrastructural facilities, set-up common facility centres, etc. are being addressed under the programme.

**8.12.1 Micro, Small Enterprises - Cluster Development Programme:** GoI has approved 30 industrial cluster projects and has released total grants of ₹ 169.85 crore. Of these, 17 projects have become operational and facilities of the high-end technology based Common Facility Centres (CFCs) therein, are available to the units in these clusters.

**8.12.2 Maharashtra State Industrial Cluster Development Programme:** Under the programme, 171 cluster projects have been approved by GoM. Of these, 73 cluster projects have been granted approval for establishment of CFCs for which total grants of ₹ 104.89 crore have been released.

## Business Reforms Action Plan

**8.13** The State has been consistent in implementation of the reforms identified under Business Reforms Action Plan (BRAP) released by Department for Promotion of Industry and Internal Trade, GoI for ease of doing businesses. The State has implemented almost all reforms prescribed under BRAP 2019.

## Maharashtra Industry, Trade and Investment Facilitation Cell (MAITRI)

**8.14** With an objective to attract investment and employment in the State, GoM has launched online one stop shop MAITRI. It provides Government to Business (G2B) services for existing and prospective investors to get comprehensive information about the investment process. MAITRI has integrated 48 services from 12 departments. Upto October, 2019 MAITRI has catered to 1,500 grievances of which more than 1,400 grievances have been resolved.

## Co-operative Industrial Estates

**8.15** With an objective of decentralisation of industries concentrated in urban areas to rural areas, the State initiated promotion of industrial estates in areas other than MIDC on co-operative basis. As on 30<sup>th</sup> September, 2019 in all 142 co-operative industrial estates were registered, of which 107 co-operative industrial estates were functioning with 8,037 units and 1.79 lakh employment.

## Package Scheme of Incentives

**8.16** To encourage setting up of industries to the industrially less developed areas, GoM is implementing a 'Package Scheme of Incentives' (PSI) for new or expansion units located in such regions. Since its inception in 1964, the scheme was amended from time to time. Under PSI-2019 eligible units in the private sector, State public sector/joint sector and co-operative sector are considered for providing incentives. Under the scheme, during 2019-20 upto January, an amount of ₹ 3,390 crore was disbursed as incentive to eligible MSMEs, large scale industries and mega projects. Disbursements under Package Scheme of Incentives are given in Table 8.8.

**Table 8.8 Disbursement under Package Scheme of Incentives**

| Particulars                         | (₹ Crore)    |              |                      |
|-------------------------------------|--------------|--------------|----------------------|
|                                     | Disbursement |              |                      |
|                                     | 2017-18      | 2018-19      | 2019-20 <sup>+</sup> |
| <b>Industrial Promotion subsidy</b> |              |              |                      |
| Mega Projects                       | 1,694        | 2,304        | 2,767                |
| Large Scale Industries              | 59           | 76           | 147                  |
| MSMEs                               | 180          | 346          | 257                  |
| <b>Other Incentives</b>             |              |              |                      |
| Large Scale Industries              | 67           | 100          | 60                   |
| MSMEs                               | 120          | 209          | 159                  |
| <b>Total</b>                        | <b>2,120</b> | <b>3,035</b> | <b>3,390</b>         |

Source : Directorate of Industries, GoM

+ upto January



## Maharashtra Industrial Development Corporation

8.17 Maharashtra Industrial Development Corporation (MIDC) was established in 1962 as the premier industrial infrastructure development agency of GoM. The main objective is to set up industrial areas for planned and systematic industrial development and to function as a special planning authority in development of industrial areas. MIDC has one of the largest industrial land banks amongst all the Industrial development corporations in India. MIDC has built industrial areas, SEZs, Silver Zone and specialized parks for IT, BT, Wine (Grape Processing) & Gems. As on December, 2019 it has built 289 Industrial areas of which 143 are major industrial areas, 95 are minor industrial areas and 51 are growth centres.

8.17.1 As on 31<sup>st</sup> December, 2019 there were 50,788 units having investment of ₹ 1,94,011 crore with potential employment of 15.08 lakh. About 72 per cent of 96,637 developed plots were allotted to entrepreneurs. Information regarding industrial units in MIDC areas is given in Table 8.9.

**Table 8.9 Industrial units in MIDC**

| (As on 31 <sup>st</sup> December, 2019) |                |                         |                      |                          |
|-----------------------------------------|----------------|-------------------------|----------------------|--------------------------|
| Division                                | Units<br>(no.) | Investment<br>(₹ Crore) | Employment<br>(Lakh) | Developed Plots<br>(no.) |
| Mumbai                                  | 1,012          | 20,685                  | 1.39                 | 9,131                    |
| Konkan (Excl. Mumbai)                   | 13,745         | 51,129                  | 4.46                 | 13,184                   |
| Nashik                                  | 8,589          | 8,131                   | 1.03                 | 9,152                    |
| Pune                                    | 13,402         | 76,522                  | 5.91                 | 26,971                   |
| Aurangabad                              | 7,763          | 11,838                  | 0.82                 | 19,801                   |
| Amravati                                | 2,524          | 7,772                   | 0.38                 | 8,893                    |
| Nagpur                                  | 3,753          | 17,934                  | 1.09                 | 9,505                    |
| <b>Total</b>                            | <b>50,788</b>  | <b>1,94,011</b>         | <b>15.08</b>         | <b>96,637</b>            |

Source: MIDC, GoM

## Maharashtra Small Scale Industries Development Corporation

8.18 Maharashtra Small Scale Industries Development Corporation (MSSIDC) assists entrepreneurs and provide support services like consultancy, counseling, marketing, training, import-exports, entrepreneurship development programmes for the development of small scale industries. The turnover of MSSIDC is given in Table 8.10

**Table 8.10 Turnover of MSSIDC**

| (₹ Crore)                    |              |              |                      |
|------------------------------|--------------|--------------|----------------------|
| Item                         | 2017-18      | 2018-19      | 2019-20 <sup>+</sup> |
| Distribution of Raw material | 0.48         | 0.89         | 0.25                 |
| Marketing assistance         | 8.47         | 17.12        | 9.00                 |
| Others                       | 4.59         | 2.16         | 0.60                 |
| <b>Total</b>                 | <b>13.54</b> | <b>20.17</b> | <b>9.85</b>          |

Source : MSSIDC

+ upto December

## Maharashtra State Khadi and Village Industries Board

8.19 Maharashtra State Khadi and Village Industries Board (MSKVIB) was constituted to organise, develop and expand activities of Khadi and Village Industries (KVI) in the State. The board implements various schemes such as Prime Minister's Employment Generation Programme, Artisan Employment Guarantee Scheme, Special Component Plan where artisans are given financial assistance for commencing various village industries. It also implements Integrated Bee-keeping, Bee-breeding and Honey Production Scheme to provide employment to bee-keepers.

8.19.1 Financial assistance of ₹ 47.45 crore have been disbursed in the form of subsidy to KVI units in 2018-19 and ₹ 20.02 crore have been disbursed in 2019-20 upto January. Performance of KVI units in the State is given in Table 8.11.

8.19.2 Under Artisan Employment Guarantee Scheme, employment opportunities were provided to 1.14 lakh artisans during 2017-18 and 2018-19 each.

**Table 8.11 Performance of KVI units**

| Year                 | Units assisted (Lakh) | Value of production (₹ Crore) | Employment (Lakh) |
|----------------------|-----------------------|-------------------------------|-------------------|
| 2017-18              | 1.71                  | 9,884                         | 2.4               |
| 2018-19              | 1.67                  | 3,660                         | 2.5               |
| 2019-20 <sup>+</sup> | 1.80                  | 1,760                         | 2.3               |

Source : MSKVIB

+ upto October

## Maharashtra State Innovation Society

8.20 Maharashtra State Innovation Society (MSInS) is the nodal body appointed by GoM to implement the 'Maharashtra State Start Up Policy, 2018'. The number of startups in the State has increased from 2,587 in December, 2018 to 4,324 in September, 2019. Some of the initiatives of MSInS are as follows:

- Maharashtra Startup Week, which helps in bringing innovation in various government department, is the State's flagship competition for startups. It was organized during June, 2018 and January, 2019 wherein more than 2,500 startups participated and of these 48 startups were awarded work orders. Beneficiary departments have been identified for 36 startups and 12 startups have completed their project.
- 16 business incubators have been sanctioned across the State of which 12 incubators have started incubating startups.
- Conducted District Business Plan competition in Akola (pilot district) to provide a platform to propose innovative business ideas to address problems faced by the local communities and the district at large.
- With an intention of encouraging entrepreneurship and innovation amongst women in the State, a program called *Hirkani Maharashtrachi* was launched and in 20 districts more than 5,000 SHGs/entrepreneurs have been benefitted.
- Maharashtra Virtual Incubator Centre, a virtual incubator which would provide startups several common incubation services such as access to labs, software, marketing solutions, etc. at discounted price, is being developed.

## Mining

8.21 Around 58 thousand sq km (19 per cent of the State's total geographical area) has been identified as the total potential mineral area in the State. Bhandara, Chandrapur, Gadchiroli, Nagpur, Gondiya & Yavatmal districts in Vidarbha region, Kolhapur in Western Maharashtra and Raigad, Ratnagiri & Sindhudurg districts in Konkan region have deposits of major minerals like coal, limestone, manganese ore, bauxite, iron ore, kyanite, fluorite (graded), chromite, etc. As on 31<sup>st</sup> March, 2019 in all 202 major mineral mines, with employment of 49,254 were working in the State. The total value of minerals extracted during 2018-19 was ₹ 9,454 crore. The total value of minerals extracted during 2019-20 upto September was ₹ 2,798 crore. The production of coal was highest among all the minerals. During 2018-19, about 498.18 lakh MT coal was extracted worth ₹ 8,101 crore (85.7 per cent of the total value of minerals extracted). The production of major minerals along with their values is given in Annexure 8.1.

## Textile

8.22 **Policy :** The State produces ample quantity of cotton & silk and fairly good quantity of wool. In addition to that, it also produces large quantity of bamboo, banana, *ghaypat*, *ambadi* and coir which are good sources of non-conventional yarn. The State has set an objective of achieving 100 percent processing of all the cotton grown. Keeping this objective in mind and to realize the concept of 'Fiber to Fashion', the State declared its Textile Policy 2011-17 in January, 2012. The policy led to investments of ₹ 20,000 crore in the sector with employment generation of about three lakh. The new Textile policy 2018-23 focuses on further revival of the textile industry and aims at reducing the gap in the production and processing, resulting into an integrated 'Farming to Marketing' value chain in the State.

8.22.1 **Textile mills :** During 2019-20 there were 188 spinning & 36 composite textile mills in the State with installed capacity of 48.39 lakh spindles and 43,863 rotors. During 2018-19 estimated production of cotton yarn is 306 million kg. During 2019-20 upto November, estimated production of cotton yarn is 192 million kg.

8.22.2 **Technology Upgradation Fund Scheme :** The Technology Upgradation Fund Scheme (TUFS) was introduced by the GoI in 1999 to facilitate new and appropriate technology for making the textile industry globally competitive and to reduce the capital cost for the textile industry. This scheme has been amended to facilitate augmenting of investment, productivity, quality, employment, exports and import in textile industry and also to indirectly promote investment in textile machinery manufacturing. Under the Textile Policy 2011-17 of the State, 3,026 textile projects have been linked with TUFS for interest subsidy on long term loans. Of these, 1,342 projects have been given interest & capital subsidy and self finance of ₹ 237.31 crore during 2018-19.

8.22.3 **Textile Parks :** Textile parks provides a platform to many small and medium industries to flourish their businesses. There are 13 Textile Parks in the State at Hinghanghat (Wardha), Basmat (Hingoli), Latur (Latur), Shirpur, Dhule & Degaon (Dhule), Bhivandi (Thane), Baramati (Pune), Islampur (Sangli) and Ichalkaranji (Kolhapur). In all there are 631 units functioning in these 13 textile parks with total employment of 25,576.

## Tourism

8.23 Tourism is the fastest growing sector in the State. Cultural heritage, colourful fairs & festivals; beautiful beaches, forests & wild life and landscapes for eco-tourism; rivers and mountain peaks for adventure tourism; technological parks and science museums for science tourism; centres of pilgrimage for spiritual tourism; forts, heritage spots, hotels & trains for heritage tourism; yoga, ayurveda, natural health resorts, low cost & range of treatments provided for health tourism; hill stations, etc. all of this attract tourists in the State.

8.23.1 Maharashtra Tourism Policy, 2016 aspires to make the State a leading tourist destination by the year 2025 and attract investments to the tune of ₹ 30,000 crore along with creation of one million additional jobs in this industry. During 2018-19, in all 58 proposals with expected investments of ₹ 7,273.32 crore have been received of which 17 proposals with expected investment of ₹ 2,123.09 crore have been commissioned. GoM has released total grants of ₹ 139.99 crore during 2018-19 for providing basic necessities for development of various tourism destinations. Elephanta Festival organised at Gateway of India & Elephanta Caves in June, 2019, Ganesh immersion ceremony visuals at Girgaum Chowpatty for foreign tourists, roadshows about State tourism at Philipines, Jakarta, Indonesia, Germany, Spain, Portugal, etc. were some of the events conducted during 2019-20. The State has released ₹ 56.07 crore as publicity grants for tourism sector during 2018-19 and ₹ 49.57 crore during 2019-20 upto December.

8.23.2 As per the 'India Tourism Statistics At a Glance - 2019' report, the State had 11.91 crore domestic tourist visits and 0.51 crore foreign tourists visits during 2018.

## Annual Survey of Industries

8.24 The Annual Survey of Industries (ASI) is the major source of industrial statistics. It provides estimates of various aggregates like input, fixed & working capital, employment, output, value added, etc. pertaining to registered manufacturing sector. ASI covers all factories registered under the sections 2 m(i) and 2m(ii) of the Factories Act, 1948 and Beedi & Cigar units registered under the Beedi & Cigar Workers (Conditions of Employment) Act, 1966.

8.24.1 The State retained its top position in terms of Gross Value Added with share of 18.0 per cent at All-India level as revealed in ASI 2017-18 results. It is at the second position in number of workers and wages to workers with share of 11.6 per cent and 14.7 per cent respectively.

8.24.2 The contribution of the State in total value of output, working capital and in the Net Value Added (NVA) in India was 14.9 per cent, 18.2 per cent & 18.6 per cent respectively. Selected indicators of industries are given in Table 8.12.

**Table 8.12 Selected indicators of industries**

| Indicators        | 2015-16             |           | 2016-17             |           | 2017-18*            |           |
|-------------------|---------------------|-----------|---------------------|-----------|---------------------|-----------|
|                   | Maharashtra         | All-India | Maharashtra         | All-India | Maharashtra         | All-India |
| Industries (no.)  | 28,210<br>(12.1)    | 2,33,116  | 27,010<br>(11.5)    | 2,34,865  | 26,393<br>(11.1)    | 2,37,684  |
| Fixed capital     | 3,46,175<br>(12.3)  | 28,09,647 | 3,37,982<br>(10.6)  | 31,90,386 | 3,58,441<br>(10.9)  | 32,93,410 |
| Working capital   | 2,32,334<br>(31.4)  | 7,40,529  | 2,02,557<br>(30.5)  | 6,63,083  | 1,17,152<br>(18.2)  | 6,44,119  |
| Total output      | 11,68,017<br>(17.0) | 68,62,354 | 10,74,970<br>(14.8) | 72,65,514 | 12,05,990<br>(14.9) | 80,81,671 |
| Total input       | 9,19,540<br>(16.5)  | 55,89,074 | 8,32,819<br>(14.1)  | 58,97,464 | 9,41,087<br>(14.2)  | 66,06,817 |
| Gross value added | 2,48,476<br>(19.5)  | 12,73,280 | 2,42,152<br>(17.7)  | 13,68,050 | 2,64,903<br>(18.0)  | 14,74,854 |
| Net value added   | 2,17,259<br>(20.3)  | 10,72,485 | 2,08,800<br>(18.2)  | 11,45,919 | 2,29,996<br>(18.6)  | 12,38,129 |
| Employment (lakh) | 19.70<br>(13.9)     | 142.10    | 19.26<br>(12.9)     | 149.10    | 20.10<br>(12.8)     | 156.15    |
| Profit            | 1,18,212<br>(23.0)  | 5,13,193  | 1,12,576<br>(20.9)  | 5,39,353  | 1,23,651<br>(21.1)  | 5,84,697  |

(₹ Crore)

Source : National Statistics Office, GoI

Figures in brackets indicate percentage to All-India

\* Provisional

8.24.3 Major industries in terms of total value of output during 2017-18 were food products & beverages (13.4 per cent), chemicals & chemical products (12.9 per cent), coke & refined petroleum products (11.1 per cent), motor vehicles, trailers (10.2 per cent) and basic metals (9.6 per cent). These industry groups accounted for 57.2 per cent value of output of all industries and 58.6 per cent of fixed capital during 2017-18. Important characteristics of industries in the State according to ASI are given in Annexure 8.2. Important indicators based on ASI are given in Table 8.13.

**Graph 8.1 : Share in All-India GVA 2017-18**

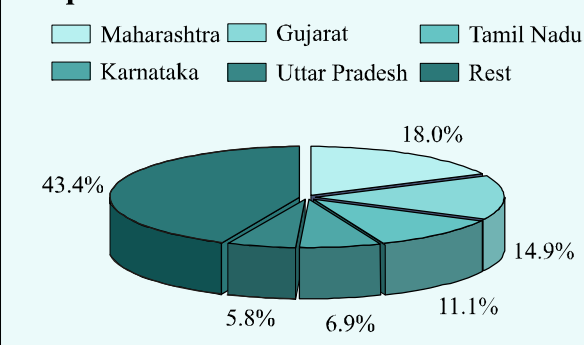


**Table 8.13 Important indicators of ASI results**

(₹ lakh)

| Indicator                          | 2015-16     |           | 2016-17     |           | 2017-18*    |           |
|------------------------------------|-------------|-----------|-------------|-----------|-------------|-----------|
|                                    | Maharashtra | All-India | Maharashtra | All-India | Maharashtra | All-India |
| <b>a) Per factory</b>              |             |           |             |           |             |           |
| Investment in fixed capital        | 1,227       | 1,205     | 1,251       | 1,358     | 1,358       | 1,386     |
| Value of goods & services produced | 4,140       | 2,944     | 3,980       | 3,093     | 4,569       | 3,400     |
| Net value added                    | 770         | 460       | 773         | 488       | 871         | 521       |
| Employment (no.)                   | 49          | 48        | 51          | 50        | 54          | 51        |
| <b>b) Per worker</b>               |             |           |             |           |             |           |
| Net value added                    | 15.8        | 9.6       | 15.3        | 9.8       | 16.3        | 10.1      |
| Annual wages                       | 1.8         | 1.4       | 1.9         | 1.5       | 2.0         | 1.6       |

Source : National Statistics Office, GoI

\* Provisional

## Index of Industrial Production

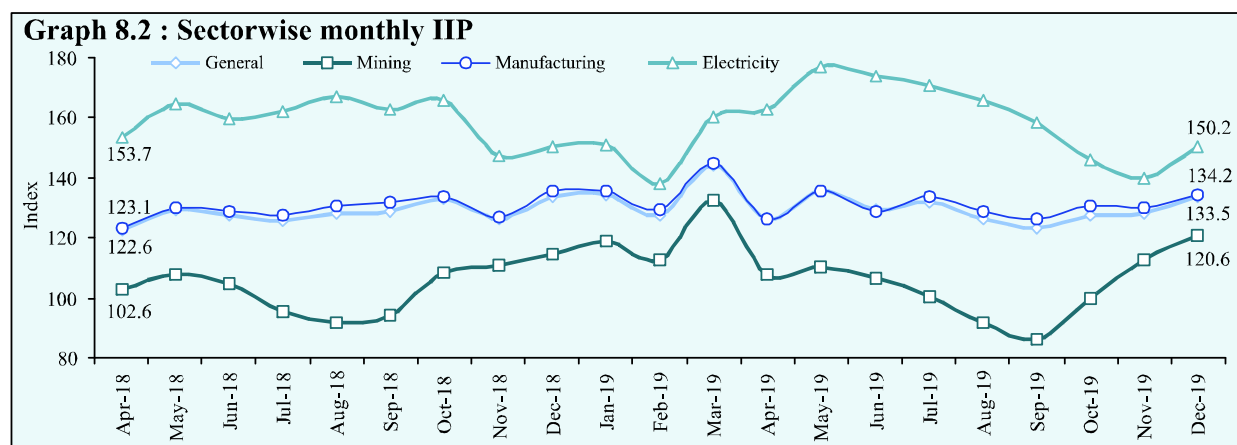
8.25 Index of Industrial Production (IIP) measures the short-term changes in the volume of production of a basket of industrial products during a given period with respect to that in a chosen base period. It tracks manufacturing activity in various sectors of the economy and hence it is of paramount importance to the Government for framing policies and to various organizations as well. All-India IIP is compiled and published monthly by National Statistics Office, GoI. The average general All-India IIP (Base year 2011-12) during April to December, 2018 has increased from 128.4 to 129.1 during April to December, 2019. Groupwise and use-based categorywise All-India IIP is given in Table 8.14. Series of IIP at All-India is given in Annexure 8.3.

**Table 8.14 Groupwise and use-based categorywise All-India IIP**

(Base Year 2011-12=100)

| (Base Year 2014-12 = 100)          |        |                                 |         |                 |
|------------------------------------|--------|---------------------------------|---------|-----------------|
| Item                               | Weight | Average IIP (April to December) |         |                 |
|                                    |        | 2018-19                         | 2019-20 | Per cent change |
| <b>Groupwise</b>                   |        |                                 |         |                 |
| General Index                      | 100.00 | 128.4                           | 129.1   | 0.55            |
| Mining                             | 14.37  | 103.4                           | 104.0   | 0.58            |
| Manufacturing                      | 77.63  | 129.8                           | 130.5   | 0.54            |
| Electricity                        | 7.99   | 159.3                           | 160.5   | 0.75            |
| <b>Use-based Category</b>          |        |                                 |         |                 |
| Primary goods                      | 34.05  | 124.6                           | 125.0   | 0.32            |
| Capital goods                      | 8.22   | 107.5                           | 94.3    | (-)12.28        |
| Intermediate goods                 | 17.22  | 123.8                           | 138.9   | 12.20           |
| Infrastructure/ construction goods | 12.34  | 139.6                           | 135.9   | (-)2.65         |
| Consumer durables                  | 12.84  | 131.0                           | 122.4   | (-)6.56         |
| Consumer non-durables              | 15.33  | 141.8                           | 145.8   | 2.82            |

Source : Mospi, GoI



## CO-OPERATION

8.26 Co-operative movement has been recognised as an effective instrument in the socio-economic development of the State. Initially the co-operative movement was mainly confined with agricultural credit and then rapidly spread into agro processing, marketing, housing, dairy, storage, textile, finance, fishery and even into industries.

8.27 As on 31<sup>st</sup> March, 2019 there were about 2.06 lakh co-operative societies in the State. Of which, about 52 per cent were Co-operative housing societies. Co-operative societies in brief are given in Table 8.15 and details of co-operative societies in the State are given in Annexure 8.4.

**Table 8.15 Co-operative societies in brief**

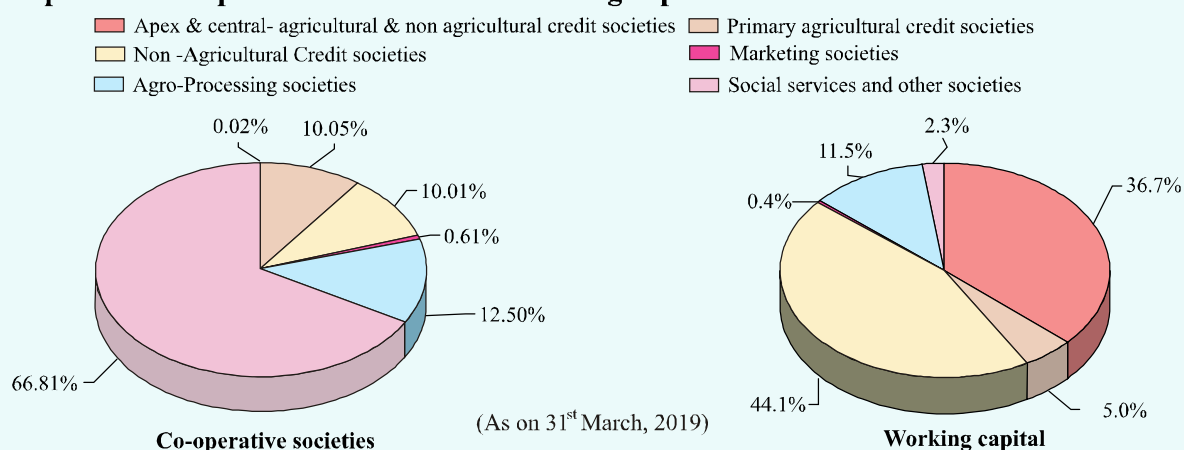
(₹ Crore)

| Particulars                  | As on 31 <sup>st</sup> March |          |          | Per cent change in 2019 over 2018 |
|------------------------------|------------------------------|----------|----------|-----------------------------------|
|                              | 2017                         | 2018     | 2019*    |                                   |
| Societies (no.)              | 1,95,301                     | 1,98,252 | 2,06,414 | 4.1                               |
| Members (lakh)               | 546                          | 550      | 538      | (-)2.2                            |
| Paid-up share capital        | 20,892                       | 21,811   | 21,011   | (-)3.7                            |
| <i>Of which, State Govt.</i> | 4,056                        | 3,887    | 3,969    | 2.1                               |
| Working capital              | 3,83,236                     | 3,84,506 | 3,85,330 | 0.2                               |
| Deposits                     | 1,79,209                     | 1,94,667 | 1,93,248 | (-)0.7                            |
| Loans advanced               | 1,49,744                     | 1,44,268 | 1,48,183 | 2.7                               |
| Societies in profit (no.)    | -                            | 54,210   | 54,710   | 0.9                               |
| Amount of profit             | -                            | 4,326    | 4,690    | 8.4                               |
| Societies in loss (no.)      | 35,682                       | 34,777   | 36,876   | 6.0                               |
| Amount of loss               | 9,259                        | 9,028    | 9,967    | 10.4                              |
| Loans outstanding            | 1,49,213                     | 1,50,869 | 1,52,676 | 1.2                               |

Source: Office of the Commissioner for Co-operation & Registrar Co-operative Societies, GoM

\* Provisional

**Graph 8.3 : Co-operative societies and working capital**



### Apex and District Central Co-operative Banks

8.28 Maharashtra State Co-operative Bank is the Apex Co-operative Bank in the State. There were 31 District Central Co-operative Banks which are working at district level. Information of Apex and the District Central Co-operative Banks are given in Table 8.16.

**Table 8.16 Information of Apex and District central co-operative Banks**

| Particulars                                         | As on 31 <sup>st</sup> March |          |          | (₹ Crore)                         |
|-----------------------------------------------------|------------------------------|----------|----------|-----------------------------------|
|                                                     | 2017                         | 2018     | 2019*    | Per cent change in 2019 over 2018 |
| <b>The Maharashtra State Co-operative Bank Ltd.</b> |                              |          |          |                                   |
| Members (no.)                                       | 2,000                        | 2,000    | 2,000    | 0.0                               |
| Working capital                                     | 29,421                       | 25,021   | 27,949   | 11.7                              |
| Deposits                                            | 16,377                       | 14,106   | 15,840   | 12.3                              |
| Loans advanced                                      | 15,521                       | 14,094   | 21,677   | 53.8                              |
| Loans outstanding                                   | 16,336                       | 15,992   | 19,600   | 22.6                              |
| Loans overdues                                      | 1,269                        | 1,650    | 1,416    | (-)14.2                           |
| <b>District Central Co-operative Banks (31)</b>     |                              |          |          |                                   |
| Members (lakh)                                      | 1.98                         | 2.00     | 2.01     | 0.5                               |
| Working capital                                     | 1,01,205                     | 1,04,006 | 1,13,306 | 8.9                               |
| Deposits                                            | 71,427                       | 75,091   | 83,458   | 11.1                              |
| Loans advanced                                      | 43,368                       | 36,325   | 37,176   | 2.3                               |
| Loans outstanding                                   | 48,946                       | 50,978   | 50,442   | (-)1.1                            |
| Loans overdues                                      | 16,163                       | 14,432   | 13,574   | (-)5.9                            |

Source : Office of the Commissioner for Co-operation &amp; Registrar Co-operative Societies, GoM

\* Provisional

### Primary Agricultural Credit Societies (PACS)

8.29 Short term agricultural credit mainly for seasonal agricultural operations is provided by Primary Agricultural Credit Societies (PACS). As on 31<sup>st</sup> March, 2019 there were 20,747 PACS in the State which include 21 Farmer service societies and 889 Adivasi Co-operative societies having about 0.56 lakh and 6.88 lakh members respectively. Information of PACS is given in Table 8.17.

**Table 8.17 Information of PACS**

| Particulars                                 | As on 31 <sup>st</sup> March |        |        | (₹ Crore)                         |
|---------------------------------------------|------------------------------|--------|--------|-----------------------------------|
|                                             | 2017                         | 2018   | 2019*  | Per cent change in 2019 over 2018 |
| Societies (no.)                             | 21,089                       | 21,102 | 20,747 | (-)1.7                            |
| Members (lakh)                              | 154                          | 150    | 147    | (-)2.0                            |
| Working capital                             | 19,393                       | 20,766 | 19,418 | (-)6.5                            |
| Own funds                                   | 3,744                        | 3,823  | 3,557  | (-)7.0                            |
| Share capital                               | 2,445                        | 2,462  | 2,369  | (-)3.8                            |
| Of which, State Govt.                       | 6                            | 6.6    | 6.4    | (-)3.0                            |
| Loanee members (lakh)                       | 36.39                        | 31.26  | 32.69  | 4.6                               |
| Of which, a) Marginal farmers (upto one ha) | 9.95                         | 9.85   | 9.90   | 0.5                               |
| b) Small farmers (one to two ha)            | 9.18                         | 8.35   | 8.76   | 4.9                               |
| Loans disbursed                             | 15,289                       | 15,662 | 14,922 | (-)4.7                            |
| Of which, given to Small & Marginal farmers | 6,223                        | 6,435  | 6,102  | (-)5.2                            |
| Loans outstanding                           | 13,764                       | 13,406 | 13,819 | 3.1                               |
| Loans recovered                             | 10,915                       | 11,061 | 10,841 | (-)2.0                            |
| Loans overdue                               | 5,737                        | 6,214  | 5,685  | (-)8.5                            |
| Societies in profit (no.)                   | -                            | 8,939  | 8,729  | (-)2.3                            |
| Societies in loss (no.)                     | 12,105                       | 11,870 | 11,759 | (-)0.9                            |

Source : Office of the Commissioner for Co-operation &amp; Registrar Co-operative Societies, GoM

\* Provisional



### **Dr. Punjabrao Deshmukh interest rebate scheme**

8.30 The scheme is being implemented in the State to motivate farmers for regular repayment of the short term crop loan. Under the scheme, interest subsidy is given to farmers who regularly repay the loan by 30<sup>th</sup> June of each year. Interest subsidy of three per cent is given for the loan up to ₹ one lakh and one per cent is given for loan exceeding ₹ one lakh but less than ₹ three lakh. During 2018-19 under the scheme subsidy of ₹ 120.64 crore was given to 9.73 lakh beneficiaries.

### **Agro-processing Co-operative Societies**

8.31 The State Government provides financial assistance to co-operative societies for setting up agro-processing units. Co-operative sugar factories, cotton ginning & pressing, spinning mills, handloom & powerloom, dairy, fisheries, rice mills, oil mills and other processing units are constituents of agro-processing co-operative societies. As on 31<sup>st</sup> March, 2019 there were 25,805 agro-processing co-operatives having about 62.66 lakh members.

8.31.1 As on 31<sup>st</sup> March, 2019 there were 175 registered sugar factories in the State. Of the total sugar factories in India, maximum 37 per cent are located in the State, followed by 22 per cent in Uttar Pradesh. Information of co-operative sugar factories is given in Table 8.18.

**Table 8.18 Information of co-operative sugar factories**

| Particulars                                 | As on 31 <sup>st</sup> March |          |          | (₹ Crore)                         |
|---------------------------------------------|------------------------------|----------|----------|-----------------------------------|
|                                             | 2017                         | 2018     | 2019*    | Per cent change in 2019 over 2018 |
| Registered co-operative factories (no.)     | 179                          | 178      | 175      | (-)1.7                            |
| Factories in production (no.)               | 87                           | 101      | 102      | 1.0                               |
| Members ('00)                               | 26,770                       | 27,633   | 25,470   | (-)7.8                            |
| Share capital of State Govt.                | 1,299                        | 1,299    | 1,305    | 0.5                               |
| Average TCD <sup>#</sup> (lakh MT) capacity | 3.14                         | 3.85     | 4.02     | 4.4                               |
| Sugarcane crushed (lakh MT)                 | 268.2                        | 573.35   | 557.55   | (-)2.8                            |
| Sugar produced (lakh MT)                    | 30.65                        | 65.69    | 64.06    | (-)2.5                            |
| Average extraction (per cent)               | 11.43                        | 11.46    | 11.49    | 0.3                               |
| Average sugarcane price (₹/MT)              |                              |          |          |                                   |
| a) Purchased (FRP)                          | 2,300                        | 2,550    | 2,477    | (-)2.9                            |
| b) Actual paid by factories                 | 2,731                        | 2,869    | 1,976    | (-)31.1                           |
| Molasses (lakh MT)                          | 10.70                        | 22.91    | 22.30    | (-)2.7                            |
| No. of factories having                     |                              |          |          |                                   |
| a) Distillery plants                        | 69                           | 69       | 68       | (-)1.4                            |
| b) Co-generation plants                     | 57                           | 59       | 60       | 1.7                               |
| Installed capacity of co-generation (MW)    | 1,135.40                     | 1,211.90 | 1,237.90 | 2.1                               |
| Factories in profit (no.)                   | 26                           | 29       | 30       | 3.4                               |
| Amount of profit                            | 157.74                       | 188.51   | 399.65   | 112.0                             |
| Factories in loss (no.)                     | 117                          | 80       | 59       | (-)26.3                           |
| Amount of loss                              | 5,829.52                     | 4,175.51 | 2,474.72 | (-)40.7                           |

# TCD Tonnes Crushed per Day FRP Fair & Remuneration Price

\* Provisional

Source : Office of the Sugar Commissioner, GoM

8.31.2 As on 31<sup>st</sup> March, 2019, there were 12,932 co-operative dairy societies and 75 co-operative dairy unions in the State. Information of co-operative dairy societies and dairy unions is given in Table 8.19.



**Table 8.19 Information of co-operative dairy societies and dairy unions**

(₹ Crore)

| Particulars                       | As on 31 <sup>st</sup> March |        |                 |                           |          |                 |
|-----------------------------------|------------------------------|--------|-----------------|---------------------------|----------|-----------------|
|                                   | Co-operative dairy societies |        |                 | Co-operative dairy unions |          |                 |
|                                   | 2018                         | 2019   | Per cent change | 2018                      | 2019     | Per cent change |
| Societies (no.)                   | 12,376                       | 12,932 | 4.5             | 73                        | 75       | 2.7             |
| Members (lakh)                    | 10.05                        | 11.68  | 16.2            | 1.02                      | 1.07     | 4.9             |
| Share capital                     | 11.09                        | 12.45  | 12.3            | 80.97                     | 81.90    | 1.1             |
| Working capital                   | 26.41                        | 27.51  | 4.2             | 88.12                     | 89.64    | 1.7             |
| Milk procured (value)             | 292.16                       | 301.25 | 3.1             | 982.26                    | 982.30   | Neg.            |
| Milk & milk products sold (value) | 432.70                       | 442.59 | 2.3             | 1,217.90                  | 1,235.63 | 1.5             |
| Societies in profit (no.)         | 7,254                        | 7,611  | 4.9             | 51                        | 58       | 13.7            |
| Amount of profit                  | 150.6                        | 159.46 | 5.9             | 94.81                     | 101.92   | 7.5             |
| Societies in loss (no.)           | 5,122                        | 5,319  | 3.8             | 22                        | 17       | (-)22.7         |
| Amount of loss                    | 60.03                        | 69.83  | 16.3            | 50.24                     | 49.37    | (-)1.7          |

Source : Office of the Commissioner for Dairy Development Department, GoM

Neg. Negligible

8.31.3 There were 80 co-operative cotton ginning & pressing societies in the State as on 31<sup>st</sup> March, 2019. Information of co-operative cotton ginning & pressing societies is given in Table 8.20.

8.31.4 As on 31<sup>st</sup> March, 2019 there were 287 co-operative spinning mills in the State, of which 69 were working. About 94 per cent working spinning mills were in loss. Information of co-operative spinning mills is given in Table 8.21.

**Table 8.20 Information of co-operative cotton ginning & pressing societies**

(₹ Crore)

| Particulars             | As on 31 <sup>st</sup> March |       | Per cent change |
|-------------------------|------------------------------|-------|-----------------|
|                         | 2018                         | 2019* |                 |
| Societies (no.)         | 89                           | 80    | (-)10.1         |
| Of which, in production | 71                           | 69    | (-)2.8          |
| Members ('00)           | 1,098                        | 1,060 | (-)3.5          |
| Share capital           | 7.73                         | 7.50  | (-)3.0          |
| Of which, State Govt.   | 1.92                         | 1.87  | (-)2.6          |
| Working capital         | 66.18                        | 64.31 | (-)2.8          |
| Raw cotton ginned (MT)  | 36.49                        | 35.46 | (-)2.8          |
| Societies in loss (no.) | 38                           | 37    | (-)2.6          |
| Amount of loss          | 1.51                         | 1.46  | (-)3.3          |

Source : Office of the Commissioner for Co-operation &amp; Registrar Co-operative Societies, GoM \* Provisional

**Table 8.21 Information of co-operative spinning mills**

(₹ Crore)

| Particulars             | As on 31 <sup>st</sup> March |          | Per cent change |
|-------------------------|------------------------------|----------|-----------------|
|                         | 2018*                        | 2019*    |                 |
| Number of mills         | 285                          | 287      | 0.7             |
| Of which, in production | 67                           | 69       | 3.0             |
| Members ('00)           | 4,891                        | 4,996    | 2.1             |
| Share capital           | 2,189.58                     | 2,190.83 | 0.1             |
| Of which, State Govt.   | 1,864.58                     | 1,915.45 | 2.7             |
| Working capital         | 9,135.28                     | 9,137.66 | Neg.            |
| No. of spindles (lakh)  | 15.11                        | 15.40    | 1.9             |
| Value of Yarn produced  | 2,582                        | 2,875.08 | 11.4            |
| Mills in profit (no.)   | 9                            | 4        | (-)55.6         |
| Amount of profit        | 5.30                         | 8.36     | 57.7            |
| Mills in loss (no.)     | 58                           | 65       | 12.1            |
| Amount of loss          | 1,836.86                     | 2,101.14 | 14.4            |

\* Provisional Neg. Negligible

Source : Office of the Commissioner for Textiles, GoM

8.31.5 There were 644 co-operative handloom and 1,604 powerloom societies in the State as on 31<sup>st</sup> March, 2019. About 63 per cent co-operative handloom societies and 91 per cent co-operative powerloom societies were in loss. Information of co-operative handloom & powerloom societies is given in Table 8.22.

**Table 8.22 Information of co-operative handloom & powerloom societies**

(₹ Crore)

| Particulars                  | As on 31 <sup>st</sup> March |        |                 |           |          |                 |
|------------------------------|------------------------------|--------|-----------------|-----------|----------|-----------------|
|                              | Handloom                     |        |                 | Powerloom |          |                 |
|                              | 2018*                        | 2019*  | Per cent change | 2018*     | 2019*    | Per cent change |
| Societies (no.)              | 644                          | 644    | 0.0             | 1,582     | 1,604    | 1.4             |
| Members ('00)                | 570.80                       | 584.93 | 2.5             | 778.04    | 807.34   | 3.8             |
| Share capital                | 7.83                         | 7.80   | (-)0.4          | 192.83    | 197.91   | 2.6             |
| <i>Of which, State Govt.</i> | 1.74                         | 1.72   | (-)1.1          | 138.46    | 145.28   | 4.9             |
| Working capital              | 5.97                         | 6.21   | 4.0             | 1,071.83  | 1,092.13 | 1.9             |
| No. of looms ('000)          | 3.66                         | 3.68   | 0.5             | 14.63     | 14.44    | (-)1.3          |
| Production value             | 37.61                        | 34.58  | (-)8.1          | 73.03     | 88.84    | 21.6            |
| Societies in profit (no.)    | 239                          | 240    | 0.4             | 164       | 141      | (-)14.0         |
| Amount of profit             | 1.38                         | 2.31   | 67.4            | 1.74      | 2.72     | 56.3            |
| Societies in loss (no.)      | 405                          | 404    | (-)0.2          | 1,418     | 1,452    | 2.4             |
| Amount of loss               | 6.35                         | 6.52   | 2.7             | 17.42     | 17.70    | 1.6             |

Source : Office of the Commissioner for Textiles, GoM

\* Provisional

### Fisheries co-operative societies

8.32 There were 3,133 primary fisheries co-operative societies, working in the State as on 31<sup>st</sup> March, 2019. In addition, there were 40 fisheries co-operative unions and one federation. Information of fisheries co-operative societies is given in Table 8.23.

**Table 8.23 Information of fisheries co-operative societies**

(₹ Crore)

| Particulars                  | As on 31 <sup>st</sup> March |        | Per cent change |
|------------------------------|------------------------------|--------|-----------------|
|                              | 2018                         | 2019   |                 |
| Societies (no.)              | 3,038                        | 3,133  | 3.1             |
| Members (lakh)               | 3.03                         | 3.23   | 6.6             |
| Share capital                | 67.17                        | 69.90  | 4.1             |
| <i>Of which, State Govt.</i> | 59.55                        | 55.67  | (-)6.5          |
| Working capital              | 240.39                       | 251.40 | 4.6             |
| Fish & fish products sold    | 671.35                       | 711.39 | 6.0             |
| Societies in profit (no.)    | 1,901                        | 2,019  | 6.2             |
| Amount of profit             | 13.40                        | 14.89  | 11.1            |
| Societies in loss (no.)      | 1,036                        | 992    | (-)4.3          |
| Amount of loss               | 49.22                        | 47.90  | (-)2.7          |

Source : Office of the Commissioner for Fisheries, GoM

### Co-operative marketing societies

8.33 Co-operative marketing societies have a three-tier organisational structure. The Maharashtra State Co-operative Marketing Federation Ltd. is the apex body. The District co-operative marketing societies and the Primary co-operative marketing societies are functioning at district and village level respectively. Information of co-operative marketing societies is given in Table 8.24.

**Table 8.24 Information of co-operative marketing societies**

| Particulars                  | As on 31 <sup>st</sup> March |       | (₹ Crore)       |
|------------------------------|------------------------------|-------|-----------------|
|                              | 2018                         | 2019* | Per cent change |
| Societies (no.)              | 1,221                        | 1,264 | 3.5             |
| Members (lakh)               | 9.62                         | 10.80 | 12.3            |
| Share capital                | 89                           | 89    | 0               |
| <i>Of which, State Govt.</i> | 22                           | 25    | 13.6            |
| Working capital              | 2,543                        | 1,608 | (-)36.8         |
| Sales                        |                              |       |                 |
| (a) Agriculture produce      | 4,684                        | 4,028 | (-)14.0         |
| (b) Fertilisers              | 780                          | 544   | (-)30.3         |
| (c) Seeds                    | 89                           | 70    | (-)21.3         |
| (d) Consumer goods           | 521                          | 407   | (-)21.9         |
| Societies in profit (no.)    | 652                          | 638   | (-)2.1          |
| Amount of profit             | 20.31                        | 17.70 | (-)12.9         |
| Societies in loss (no.)      | 404                          | 443   | 9.7             |
| Amount of loss               | 133                          | 147   | 10.5            |

Source : Office of the Commissioner for Co-operation & Registrar Co-operative Societies, GoM

\* Provisional

### Non-Agricultural co-operative credit societies

8.34 As on 31<sup>st</sup> March, 2019 there were 20,663 non-agricultural credit societies, of which 13,617 urban co-operative credit societies, 6,571 salary earners co-operative credit societies and 475 urban co-operative banks in the State. About 23 percent of Non-agricultural co-operative credit societies were in loss and 24 per cent urban co-operative banks in the State are under liquidation. Information of non-agricultural credit societies is given in Table 8.25.

**Table 8.25 Information of non-agricultural co-operative credit societies**

| Particulars                  | As on 31 <sup>st</sup> March |          | (₹ Crore)       |
|------------------------------|------------------------------|----------|-----------------|
|                              | 2018                         | 2019*    | Per cent change |
| Societies (no.)              | 20,668                       | 20,663   | Neg.            |
| Members (lakh)               | 260.97                       | 250.09   | (-) 4.2         |
| Deposits                     | 1,02,893                     | 91,475   | (-)11.1         |
| Own funds                    | 23,513                       | 22,200   | (-) 5.6         |
| Share capital                | 9,186                        | 8,483    | (-) 7.7         |
| <i>Of which, State Govt.</i> | 1.11                         | 1.07     | (-) 3.6         |
| Working capital              | 1,77,533                     | 1,70,049 | (-) 4.2         |
| Loans advanced               | 75,331                       | 71,524   | (-) 5.1         |
| Loans outstanding            | 66,890                       | 65,454   | (-) 2.1         |
| Loans recovered              | 55,637                       | 60,447   | 8.6             |
| Loans overdue                | 8,870                        | 8,466    | (-) 4.6         |
| Societies in profit (no.)    | 15,154                       | 15,162   | 0.1             |
| Amount of profit             | 2,382                        | 2,360    | (-) 0.9         |
| Societies in loss (no.)      | 4,931                        | 4,779    | (-) 3.1         |
| Amount of loss               | 1,829                        | 1,753    | (-) 4.2         |

Source : Office of the Commissioner for Co-operation & Registrar Co-operative Societies, GoM \* Provisional Neg. Negligible

### Other co-operative societies

8.35 As on 31<sup>st</sup> March, 2019 there were 1,07,372 co-operative housing societies in the State with about 30.43 lakh members. There were 10,850 labour contract societies having about 5.51 lakh members and 264 forest labour societies with about 71,000 members.

## Maharashtra State Co-operative Housing Finance Corporation Ltd.

8.36 Maharashtra State Co-operative Housing Finance Corporation Ltd. is the central housing credit institution functioning in the State. Information of Maharashtra State Co-operative Housing Finance Corporation Ltd. is given in Table 8.26.

**Table 8.26 Information of Maharashtra State Co-op. Housing Finance Corporation Ltd.**

|                   |                              |        | (₹ Crore)       |
|-------------------|------------------------------|--------|-----------------|
| Particulars       | As on 31 <sup>st</sup> March |        | Per cent change |
|                   | 2018                         | 2019   |                 |
| Members (no.)     | 10,333                       | 10,287 | (-)0.4          |
| Working capital   | 82.66                        | 83.55  | 1.1             |
| Gross loans       | 644                          | 644    | 0.0             |
| Loans outstanding | 50.01                        | 47.85  | (-)4.3          |
| Loans recovered   | 4.89                         | 5.07   | 3.7             |
| Loans overdue     | 19.81                        | 18.61  | (-)6.1          |

Source: Maharashtra State Co-op. Housing Finance Corporation Ltd.

## Co-operative Consumer Stores

8.37 Maharashtra State Co-operative Consumer Federation is the apex body which controls the functions of the wholesale consumer stores working at district level. These wholesale consumer stores distribute goods to primary consumer stores working at village level. As on 31<sup>st</sup> March, 2019, there were 125 wholesale consumer stores and 1,603 primary consumer stores working in the State, besides the apex consumer federation. Information of co-operative consumer federation, wholesale and primary co-operative consumer stores is given in Table 8.27.

**Table 8.27 Information of consumer federation, wholesale and primary co-operative consumer stores**

| Particulars                   | As on 31 <sup>st</sup> March     |       |                                       |       |                                     |        |
|-------------------------------|----------------------------------|-------|---------------------------------------|-------|-------------------------------------|--------|
|                               | Co-operative Consumer federation |       | Co-operative Wholesale consumer store |       | Co-operative Primary consumer store |        |
|                               | 2018                             | 2019* | 2018                                  | 2019* | 2018                                | 2019*  |
|                               |                                  |       |                                       |       |                                     |        |
| Number                        | 1                                | 1     | 123                                   | 125   | 1,663                               | 1,603  |
| Members ('00)                 | 6.4                              | 6.7   | 3,213                                 | 3,204 | 11,627                              | 11,087 |
| Share capital                 | 0.51                             | 0.51  | 18.9                                  | 17    | 77.47                               | 63.11  |
| Of which, State Govt.         | -                                | -     | 3.31                                  | 2.88  | 3.76                                | 3.06   |
| Amount of loss                | 0.47                             | 0.72  | 2.87                                  | 2.94  | 14.35                               | 10.31  |
| Consumer stores in loss (no.) | -                                | -     | 56                                    | 55    | 712                                 | 623    |

\* Provisional

Source : Office of the Commissioner for Co-operation & Registrar Co-operative Societies, GoM and Maharashtra State Co-operative Consumer Federation Ltd, GoM

## Licensed money lenders

8.38 Apart from agriculture and non-agricultural credit societies, the State allowed licensed money lenders to provide loans to individuals. For this purpose, licenses are issued by the office of the Commissioner for Co-operation and Registrar Co-operative Societies. Information of licensed money lenders is given in Table 8.28.

**Table 8.28 Information of licensed money lenders**

| Table 5.10: Information of licensed money lenders |                              |          | (no.)           |
|---------------------------------------------------|------------------------------|----------|-----------------|
| Particulars                                       | As on 31 <sup>st</sup> March |          | Per cent change |
|                                                   | 2018                         | 2019*    |                 |
| Money lenders                                     | 12,228                       | 12,754   | 4.3             |
| Number of loanee                                  | 8,64,455                     | 6,49,537 | (-)24.9         |
| Loans disbursed (₹ Crore)                         | 1,237.32                     | 1,237.40 | Neg.            |

\* Provisional Neg. Negligible

Source : Office of the Commissioner for Co-operation & Registrar Co-operative Societies, GoM

\* \* \* \* \*

## ANNEXURE 8.1

## MINERALS PRODUCTION IN THE STATE

(Quantity: '000 tonne)

(Value: ₹ Lakh)

| Sr. No. | Minerals               | Quantity / Value | 1961 <sup>\$</sup> | 1971 <sup>\$</sup> | 1980-81 | 1990-91 | 2000-01  | 2010-11  | 2018-19  |
|---------|------------------------|------------------|--------------------|--------------------|---------|---------|----------|----------|----------|
| (1)     | (2)                    | (3)              | (4)                | (5)                | (6)     | (7)     | (8)      | (9)      | (10)     |
| 1       | Salt                   | Quantity         | 384                | 472                | 540     | 229     | 148      | 180      | 138      |
| 2       | Coal                   | Quantity         | 856                | 2,085              | 5,770   | 16,848  | 28,754   | 36,932   | 49,818   |
|         |                        | Value            | 186                | 745                | 6,681   | 47,244  | 2,10,192 | 5,08,249 | 8,10,051 |
| 3       | Chromite               | Quantity         | 1                  | 3                  | 2       | --      | 0.60     | --       | --       |
|         |                        | Value            | 1                  | 5                  | 5       | --      | 8        | --       | --       |
| 4       | Iron Ore               | Quantity         | 362                | 613                | 1,456   | 645     | 22       | 1,018    | 1,673    |
|         |                        | Value            | 51                 | 69                 | 657     | 384     | 31       | 7,154    | 27,364   |
| 5       | Limestone              | Quantity         | 55                 | 363                | 715     | 5,135   | 6,066    | 10,431   | 14,960   |
|         |                        | Value            | 2                  | 33                 | 163     | 1,968   | 5,266    | 15,647   | 38,148   |
| 6       | Manganese ore          | Quantity         | 179                | 218                | 232     | 276     | 363      | 589      | 752      |
|         |                        | Value            | 206                | 148                | 553     | 1,615   | 6,280    | 54,109   | 61,365   |
| 7       | Kaolin (Natural)       | Quantity         | 2                  | 3                  | 5       | 3       | 0.20     | --       | --       |
|         |                        | Value            | 0.13               | 0.16               | 1       | 1       | 0.29     | --       | --       |
| 8       | Bauxite                | Quantity         | 27                 | 302                | 365     | 543     | 1,027    | 2,492    | 886      |
|         |                        | Value            | 2                  | 21                 | 137     | 443     | 1,705    | 4,585    | 4,958    |
| 9       | Dolomite               | Quantity         | 6                  | 5                  | 27      | 28      | 65       | 79       | --       |
|         |                        | Value            | 0.38               | 1                  | 8       | 27      | 145      | 71       | --       |
| 10      | Silica sand            | Quantity         | 5                  | 27                 | 89      | 197     | 168      | 327      | --       |
|         |                        | Value            | 0.34               | 3                  | 3       | 87      | 228      | 982      | --       |
| 11      | Fluorite (Graded)      | Quantity         | --                 | --                 | --      | 3       | 3        | 284      | 1        |
|         |                        | Value            | --                 | --                 | --      | --      | 24       | 12,457   | 111      |
| 12      | Laterite               | Quantity         | --                 | --                 | --      | 85      | 83       | 49       | --       |
|         |                        | Value            | --                 | --                 | --      | 76      | 107      | 58       | --       |
| 13      | Kyanite                | Quantity         | --                 | 5                  | 22      | 15      | 0.20     | 3        | 5        |
|         |                        | Value            | --                 | 11                 | 53      | 85      | 1        | 24       | 114      |
| 14      | Others <sup>\$\$</sup> | Quantity         | --                 | 4                  | 544     | 912     | 306      | 4,034    | 2,875    |
|         |                        | Value            | --                 | 0.36               | 27      | 196     | 49       | 5,258    | 3,243    |

Source - (1) Directorate of Geology and Mining, Nagpur.

(2) Assistant Salt Commissioner, GoI, Mumbai (Only for Salt)

\$ Figures are for calendar year.

\$\$ Others include minerals like Sand Stowing and Silimanite.

## ANNEXURE 8.2

**IMPORTANT CHARACTERISTICS OF INDUSTRIES IN THE STATE  
(BASED ON ANNUAL SURVEY OF INDUSTRIES)**

(₹ Crore)

| Activity<br>(at two digit level)<br>NIC 2008                                                                    | Year     | No. of<br>Ind. | Fixed<br>capital | Working<br>capital | Wages<br>to<br>workers | Total<br>output | Material<br>consumed | Total<br>input | Net<br>value<br>added |
|-----------------------------------------------------------------------------------------------------------------|----------|----------------|------------------|--------------------|------------------------|-----------------|----------------------|----------------|-----------------------|
| (1)                                                                                                             | (2)      | (3)            | (4)              | (5)                | (6)                    | (7)             | (8)                  | (9)            | (10)                  |
| (1) Cotton ginning, cleaning etc. (01)                                                                          | 2016-17  | 705            | 1,406            | 3,010              | 109                    | 19,219          | 13,982               | 17,564         | 1,511                 |
|                                                                                                                 | 2017-18* | 568            | 1,153            | 3,261              | 82                     | 18,070          | 13,683               | 17,198         | 771                   |
| (2) Salt production (08)                                                                                        | 2016-17  | 37             | 1                | 2                  | 1                      | 3               | 0                    | 1              | 2                     |
|                                                                                                                 | 2017-18* | 30             | 1                | 1                  | 2                      | 5               | 0                    | 3              | 2                     |
| (3) Food products and beverages<br>(10,11)                                                                      | 2016-17  | 2,808          | 40,801           | 10,104             | 2,408                  | 1,26,925        | 83,826               | 1,05,980       | 17,836                |
|                                                                                                                 | 2017-18* | 2,762          | 49,360           | (-)245             | 2,883                  | 1,61,807        | 1,10,529             | 1,37,806       | 20,607                |
| (4) Tobacco products (12)                                                                                       | 2016-17  | 92             | 2,244            | 862                | 179                    | 4,300           | 1,387                | 1,591          | 2,575                 |
|                                                                                                                 | 2017-18* | 81             | 1,237            | 665                | 189                    | 3,350           | 1,239                | 1,432          | 1,793                 |
| (5) Textiles (13)                                                                                               | 2016-17  | 1,821          | 15,398           | 2,207              | 1,876                  | 41,043          | 22,445               | 32,827         | 6,684                 |
|                                                                                                                 | 2017-18* | 1,791          | 15,015           | 1,539              | 2,006                  | 38,303          | 20,641               | 31,057         | 5,715                 |
| (6) Wearing apparel (14)                                                                                        | 2016-17  | 1,038          | 1,956            | 1,330              | 421                    | 7,275           | 2,563                | 5,634          | 1,468                 |
|                                                                                                                 | 2017-18* | 1,017          | 2,129            | 2,186              | 657                    | 10,642          | 5,058                | 8,135          | 2,282                 |
| (7) Leather and related products (15)                                                                           | 2016-17  | 123            | 192              | 254                | 66                     | 1,036           | 560                  | 792            | 222                   |
|                                                                                                                 | 2017-18* | 118            | 162              | 218                | 52                     | 890             | 469                  | 655            | 218                   |
| (8) Wood and products of wood &<br>cork (except furniture) (16)                                                 | 2016-17  | 228            | 399              | 131                | 37                     | 1,099           | 709                  | 894            | 173                   |
|                                                                                                                 | 2017-18* | 222            | 388              | 301                | 55                     | 1,683           | 1,172                | 1,396          | 258                   |
| (9) Paper and paper products (17)                                                                               | 2016-17  | 851            | 8,600            | 1,405              | 404                    | 14,934          | 8,392                | 12,381         | 1,983                 |
|                                                                                                                 | 2017-18* | 883            | 8,179            | 1,162              | 421                    | 17,593          | 10,348               | 13,044         | 3,928                 |
| (10) Printing and reproduction of<br>recorded media (18)                                                        | 2016-17  | 864            | 4,398            | (-)385             | 390                    | 8,863           | 3,902                | 6,231          | 2,213                 |
|                                                                                                                 | 2017-18* | 839            | 3,511            | 357                | 410                    | 9,634           | 4,180                | 6,793          | 2,366                 |
| (11) Coke, refined petroleum products<br>(19)                                                                   | 2016-17  | 186            | 17,908           | (-)12,634          | 665                    | 1,24,616        | 72,763               | 77,459         | 45,727                |
|                                                                                                                 | 2017-18* | 162            | 16,304           | 3,583              | 610                    | 1,33,715        | 78,681               | 85,061         | 47,411                |
| (12) Chemicals & chemical products,<br>pharmaceuticals, medicinal<br>chemical and botanical products<br>(20,21) | 2016-17  | 2,622          | 47,527           | 23,269             | 3,215                  | 1,41,204        | 71,605               | 1,02,270       | 34,599                |
|                                                                                                                 | 2017-18* | 2,535          | 54,630           | 29,179             | 3,537                  | 1,56,230        | 82,825               | 1,15,813       | 35,572                |
| (13) Rubber and plastic products (22)                                                                           | 2016-17  | 1,745          | 17,746           | 19,829             | 1,747                  | 50,651          | 30,173               | 39,118         | 9,942                 |
|                                                                                                                 | 2017-18* | 1,762          | 17,619           | 15,015             | 1,472                  | 46,335          | 27,441               | 36,011         | 8,365                 |
| (14) Other non-metallic mineral<br>products (23)                                                                | 2016-17  | 915            | 10,433           | 1,00,379           | 685                    | 21,162          | 7,500                | 14,628         | 5,486                 |
|                                                                                                                 | 2017-18* | 891            | 9,347            | 1,974              | 513                    | 23,700          | 7,471                | 12,921         | 10,045                |
| (15) Basic metals (24)                                                                                          | 2016-17  | 1,285          | 47,396           | (-)173             | 1,825                  | 1,08,653        | 70,267               | 95,896         | 9,467                 |
|                                                                                                                 | 2017-18* | 1,336          | 49,493           | 924                | 1,930                  | 1,15,666        | 78,473               | 99,926         | 12,340                |
| (16) Fabricated metal product, except<br>machinery and equipment (25)                                           | 2016-17  | 3,450          | 13,961           | 4,969              | 1,822                  | 43,071          | 24,738               | 33,112         | 8,563                 |
|                                                                                                                 | 2017-18* | 3,244          | 15,503           | 5,767              | 1,893                  | 54,112          | 32,850               | 42,822         | 9,588                 |

(Contd.)

## ANNEXURE 8.2 (Concl.)

| Activity<br>(at two digit level)<br>NIC 2008)                                                                                                        | Year            | No. of<br>Ind. | Fixed<br>capital | Working<br>capital | Wages<br>to<br>workers | Total<br>output  | Material<br>consumed | Total<br>input  | Net<br>value<br>added |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|------------------|--------------------|------------------------|------------------|----------------------|-----------------|-----------------------|
| (1)                                                                                                                                                  | (2)             | (3)            | (4)              | (5)                | (6)                    | (7)              | (8)                  | (9)             | (10)                  |
| (17) Computer, Electronic and<br>Optical products (26)                                                                                               | 2016-17         | 431            | 3,209            | 5,639              | 488                    | 19,975           | 11,623               | 15,428          | 4,143                 |
|                                                                                                                                                      | 2017-18*        | 434            | 4,475            | 4,336              | 530                    | 20,321           | 12,575               | 16,247          | 3,546                 |
| (18) Electrical equipments (27)                                                                                                                      | 2016-17         | 1,432          | 11,095           | 8,428              | 1,294                  | 55,807           | 32,998               | 42,756          | 11,661                |
|                                                                                                                                                      | 2017-18*        | 1,253          | 10,358           | 7,598              | 1,325                  | 48,369           | 30,686               | 38,192          | 9,025                 |
| (19) Machinery & equipments n.e.c,<br>Repair & installation of<br>machinery and equipment<br>(28,33)                                                 | 2016-17         | 2,150          | 25,708           | 13,147             | 2,660                  | 73,316           | 39,385               | 54,578          | 15,886                |
|                                                                                                                                                      | 2017-18*        | 2,260          | 26,210           | 16,684             | 3,147                  | 1,02,194         | 54,731               | 74,930          | 24,248                |
| (20) Motor vehicles, trailers<br>and semi trailers (29)                                                                                              | 2016-17         | 1,404          | 38,371           | 3,541              | 3,188                  | 1,17,103         | 71,229               | 96,651          | 15,976                |
|                                                                                                                                                      | 2017-18*        | 1,396          | 40,290           | 5,145              | 3,904                  | 1,22,863         | 84,893               | 1,02,462        | 14,501                |
| (21) Other transport<br>equipments (30)                                                                                                              | 2016-17         | 351            | 8,030            | 729                | 860                    | 32,861           | 20,856               | 24,371          | 7,592                 |
|                                                                                                                                                      | 2017-18*        | 338            | 7,965            | 1,276              | 968                    | 41,032           | 27,827               | 32,464          | 7,522                 |
| (22) Manufacture of furniture and<br>other manufacturing (31,32)                                                                                     | 2016-17         | 1,251          | 4,561            | 15,089             | 954                    | 37,169           | 26,234               | 31,516          | 5,136                 |
|                                                                                                                                                      | 2017-18*        | 1,200          | 4,511            | 16,770             | 1,032                  | 49,151           | 31,499               | 43,003          | 5,657                 |
| (23) Others (Waste collection,<br>treatment and disposal<br>activity, material recovery,<br>publishing activity, other<br>industries (38,58, others) | 2016-17         | 1,221          | 16,642           | 1,425              | 540                    | 24,686           | 4,343                | 21,140          | (-)-46                |
|                                                                                                                                                      | 2017-18*        | 1,271          | 20,602           | (-)-544            | 746                    | 30,326           | 7,428                | 23,718          | 4,235                 |
| <b>Total</b>                                                                                                                                         | <b>2016-17</b>  | <b>27,010</b>  | <b>3,37,982</b>  | <b>2,02,557</b>    | <b>25,835</b>          | <b>10,74,970</b> | <b>6,21,480</b>      | <b>8,32,819</b> | <b>2,08,800</b>       |
|                                                                                                                                                      | <b>2017-18*</b> | <b>26,393</b>  | <b>3,58,441</b>  | <b>1,17,152</b>    | <b>28,365</b>          | <b>12,05,990</b> | <b>7,24,699</b>      | <b>9,41,087</b> | <b>2,29,996</b>       |

Source - Annual Survey of Industries, National Statistics Office, GoI.

\* Provisional

## ANNEXURE 8.3

## INDEX NUMBERS OF INDUSTRIAL PRODUCTION IN INDIA

(Base year 2011-12 = 100)

| Sr.<br>No. | Item                                                                                                          | Weight        | 2014-15      | 2015-16      | 2016-17      | 2017-18      | 2018-19      | 2019-20 <sup>++</sup> |
|------------|---------------------------------------------------------------------------------------------------------------|---------------|--------------|--------------|--------------|--------------|--------------|-----------------------|
| (1)        | (2)                                                                                                           | (3)           | (4)          | (5)          | (6)          | (7)          | (8)          | (9)                   |
| <b>I</b>   | General Index                                                                                                 | <b>100.00</b> | <b>111.0</b> | <b>114.7</b> | <b>120.0</b> | <b>125.3</b> | <b>130.1</b> | <b>129.1</b>          |
| <b>II</b>  | Mining                                                                                                        | <b>14.37</b>  | <b>93.3</b>  | <b>97.3</b>  | <b>102.5</b> | <b>104.9</b> | <b>107.9</b> | <b>104.0</b>          |
| <b>III</b> | Manufacturing                                                                                                 | <b>77.63</b>  | <b>112.7</b> | <b>115.9</b> | <b>121.0</b> | <b>126.6</b> | <b>131.5</b> | <b>130.5</b>          |
|            | Industry groups                                                                                               |               |              |              |              |              |              |                       |
| 1          | Food products                                                                                                 | 5.30          | 110.9        | 104.7        | 98.9         | 108.1        | 121.3        | 120.1                 |
| 2          | Beverages                                                                                                     | 1.04          | 108.2        | 109.7        | 106.3        | 105.4        | 109.2        | 108.5                 |
| 3          | Tobacco products                                                                                              | 0.80          | 131.1        | 136.3        | 115.9        | 95.1         | 94.2         | 95.2                  |
| 4          | Textiles                                                                                                      | 3.29          | 116.9        | 119.4        | 117.4        | 117.1        | 118.7        | 115.2                 |
| 5          | Wearing apparel                                                                                               | 1.32          | 114.4        | 131.0        | 151.7        | 137.5        | 154.2        | 155.6                 |
| 6          | Leather and related products                                                                                  | 0.50          | 123.0        | 123.6        | 122.3        | 123.9        | 125.0        | 123.4                 |
| 7          | Wood and products of wood & cork,<br>except furniture ; manufacture of article<br>of straw & plating material | 0.19          | 95.3         | 97.5         | 93.1         | 92.4         | 105.1        | 116.7                 |
| 8          | Paper and paper products                                                                                      | 0.87          | 115.1        | 116.5        | 114.0        | 108.9        | 104.1        | 93.3                  |
| 9          | Printing & reproduction of recorded<br>media                                                                  | 0.68          | 100.0        | 103.8        | 106.0        | 99.7         | 97.6         | 90.4                  |
| 10         | Coke and refined petroleum products                                                                           | 11.77         | 108.6        | 113.7        | 119.1        | 123.5        | 126.7        | 125.8                 |
| 11         | Chemicals and chemical products                                                                               | 7.87          | 109.2        | 113.7        | 116.5        | 116.1        | 119.0        | 123.9                 |
| 12         | Pharmaceuticals, medicinal, chemical<br>and botanical products                                                | 4.98          | 116.9        | 132.1        | 172.3        | 212.1        | 215.5        | 218.1                 |
| 13         | Rubber and plastic products                                                                                   | 2.42          | 117.7        | 118.3        | 120.5        | 110.6        | 108.0        | 101.7                 |
| 14         | Other non-metallic mineral products                                                                           | 4.09          | 108.2        | 110.4        | 109.9        | 113.9        | 123.6        | 119.8                 |
| 15         | Basic metals                                                                                                  | 12.80         | 123.5        | 124.3        | 130.6        | 138.0        | 143.3        | 158.0                 |
| 16         | Fabricated metal products ,except<br>machinery and equipment                                                  | 2.65          | 105.9        | 103.4        | 105.5        | 107.9        | 106.2        | 91.6                  |
| 17         | Computer, electronic and optical<br>products                                                                  | 1.57          | 117.6        | 123.6        | 126.7        | 148.5        | 168.7        | 157.3                 |
| 18         | Electrical equipment                                                                                          | 3.00          | 122.0        | 128.4        | 122.6        | 107.4        | 110.1        | 108.4                 |
| 19         | Machinery and equipment n. e. c                                                                               | 4.77          | 102.6        | 105.9        | 114.1        | 120.5        | 123.4        | 108.7                 |
| 20         | Motor vehicles, trailers &<br>semi-trailers                                                                   | 4.86          | 102.6        | 101.1        | 101.7        | 114.5        | 122.7        | 103.2                 |
| 21         | Other transport equipment                                                                                     | 1.78          | 110.0        | 112.5        | 117.5        | 133.9        | 145.7        | 140.9                 |
| 22         | Furniture                                                                                                     | 0.13          | 115.6        | 163.9        | 176.2        | 196.6        | 212.6        | 198.4                 |
| 23         | Other Manufacturing                                                                                           | 0.94          | 105.7        | 119.9        | 125.6        | 106.2        | 92.8         | 82.4                  |
| <b>IV</b>  | <b>Electricity</b>                                                                                            | <b>7.99</b>   | <b>126.6</b> | <b>133.8</b> | <b>141.6</b> | <b>149.2</b> | <b>156.9</b> | <b>160.5</b>          |

Source – National Statistics Office, GoI

++ Average of April 2019 to December 2019



**ANNEXURE 8.4**  
**DETAILS OF CO-OPERATIVE SOCIETIES IN THE STATE**

| Item<br>(1)                                                                           | 1970-71<br>(2)      | 1980-81<br>(3) | 1990-91<br>(4)  | 2000-01<br>(5)  | 2010-11<br>(6)  | 2016-17<br>(7)  | 2017-18<br>(8)  | 2018-19*<br>(9) |
|---------------------------------------------------------------------------------------|---------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>I. Number of co-operative societies</b>                                            |                     |                |                 |                 |                 |                 |                 |                 |
| (1) Apex and central-Agricultural and non-agricultural credit societies               | 29                  | 31             | 34              | 34              | 34              | 34              | 34              | 33              |
| (2) Primary Agricultural credit societies                                             | 20,420 <sup>5</sup> | 18,577         | 19,565          | 20,551          | 21,451          | 21,089          | 21,102          | 20,747          |
| (3) Non-agricultural credit societies                                                 | 2,964               | 5,474          | 11,291          | 22,014          | 23,434          | 20,465          | 20,668          | 20,663          |
| (4) Marketing societies                                                               | 410                 | 423            | 931             | 1,115           | 1,719           | 1,207           | 1,221           | 1,264           |
| (5) Agro-processing enterprises <sup>@</sup>                                          | 6,810               | 14,327         | 28,954          | 39,070          | 48,848          | 25,344          | 25,634          | 25,805          |
| (6) Social services & other co-op. societies <sup>@</sup>                             | 11,964              | 21,915         | 43,845          | 75,232          | 1,28,760        | 1,27,162        | 1,29,593        | 1,37,902        |
| <b>Total</b>                                                                          | <b>42,597</b>       | <b>60,747</b>  | <b>1,04,620</b> | <b>1,58,016</b> | <b>2,24,306</b> | <b>1,95,301</b> | <b>1,98,252</b> | <b>2,06,414</b> |
| <b>II. Number of members ('000)</b>                                                   |                     |                |                 |                 |                 |                 |                 |                 |
| (1) Apex and central-Agricultural and non-agricultural credit societies <sup>ss</sup> | 70                  | 1,014          | 1,485           | 1,371           | 247             | 211             | 213             | 213             |
| (2) Primary Agricultural credit societies                                             | 3,794               | 5,416          | 7,942           | 10,125          | 15,001          | 15,397          | 15,010          | 14,655          |
| (3) Non-agricultural credit societies                                                 | 2,438               | 3,759          | 9,302           | 18,467          | 21,618          | 25,919          | 26,097          | 25,009          |
| (4) Marketing societies                                                               | 282                 | 471            | 745             | 840             | 1,337           | 1,005           | 962             | 1,080           |
| (5) Agro-processing enterprises                                                       | 959                 | 2,124          | 3,974           | 6,339           | 8,010           | 5,721           | 6,244           | 6,266           |
| (6) Social services & other co-op. societies                                          | 1,038               | 1,999          | 3,455           | 5,880           | 6,809           | 6,388           | 6,492           | 6,529           |
| <b>Total</b>                                                                          | <b>8,581</b>        | <b>14,783</b>  | <b>26,903</b>   | <b>43,022</b>   | <b>53,022</b>   | <b>54,641</b>   | <b>55,018</b>   | <b>53,782</b>   |
| <b>III. Working capital (₹ crore)</b>                                                 |                     |                |                 |                 |                 |                 |                 |                 |
| (1) Apex and central-Agricultural and non-agricultural credit societies               | 613                 | 1,831          | 8,806           | 39,267          | 89,719          | 1,32,804        | 1,31,200        | 1,41,338        |
| (2) Primary Agricultural credit societies                                             | 343                 | 527            | 1,851           | 6,988           | 18,987          | 19,393          | 20,766          | 19,418          |
| (3) Non-agricultural credit societies                                                 | 168                 | 1,209          | 7,508           | 66,887          | 1,04,814        | 1,77,065        | 1,77,533        | 1,70,049        |
| (4) Marketing societies                                                               | 39                  | 188            | 340             | 1,518           | 1,300           | 1,119           | 2,543           | 1,608           |
| (5) Agro-processing enterprises                                                       | 219                 | 1,029          | 4,588           | 13,288          | 28,717          | 44,062          | 44,632          | 44,100          |
| (6) Social services & other co-op. societies                                          | 107                 | 426            | 1,191           | 6,492           | 4,897           | 8,793           | 7,831           | 8,817           |
| <b>Total</b>                                                                          | <b>1,489</b>        | <b>5,210</b>   | <b>24,284</b>   | <b>1,34,440</b> | <b>2,48,434</b> | <b>3,83,236</b> | <b>3,84,506</b> | <b>3,85,330</b> |
| <b>IV. Gross loan (₹ crore)</b>                                                       |                     |                |                 |                 |                 |                 |                 |                 |
| (1) Apex and central-Agricultural and non-agricultural credit societies               | 751                 | 1,528          | 9,085           | 28,709          | 40,436          | 59,533          | 51,063          | 59,497          |
| (2) Primary Agricultural credit societies                                             | 133                 | 250            | 800             | 3,734           | 8,060           | 15,289          | 15,662          | 14,922          |
| (3) Non-agricultural credit societies                                                 | 204                 | 1,129          | 5,178           | 39,268          | 49,907          | 72,191          | 75,331          | 71,524          |
| (4) Marketing societies                                                               | 3                   | 3              | 8               | 18              | 11              | 1               | 3               | 2               |
| (5) Agro-processing enterprises                                                       | 3                   | 12             | 17              | 103             | 2,052           | 2,570           | 2,016           | 2,030           |
| (6) Social services & other co-op. societies                                          | 4                   | 12             | 60              | 235             | 215             | 160             | 194             | 209             |
| <b>Total</b>                                                                          | <b>1,098</b>        | <b>2,934</b>   | <b>15,148</b>   | <b>72,067</b>   | <b>1,00,681</b> | <b>1,49,744</b> | <b>1,44,268</b> | <b>1,48,183</b> |

(Contd.)

## ANNEXURE 8.4 (Concl.)

|            | Item                                                                               | 1970-71    | 1980-81      | 1990-91       | 2000-01       | 2010-11         | 2016-17         | 2017-18         | 2018-19*        |
|------------|------------------------------------------------------------------------------------|------------|--------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|
|            | (1)                                                                                | (2)        | (3)          | (4)           | (5)           | (6)             | (7)             | (8)             | (9)             |
| <b>V.</b>  | <b>Outstanding loans<br/>(₹ crore)</b>                                             |            |              |               |               |                 |                 |                 |                 |
|            | (1) Apex and central-<br>Agricultural and<br>non-agricultural<br>credit societies  | 478        | 1,137        | 5,889         | 23,120        | 42,385          | 66,423          | 67,020          | 70,089          |
|            | (2) Primary<br>Agricultural<br>credit societies                                    | 284        | 384          | 1,310         | 5,308         | 12,024          | 13,765          | 13,406          | 13,819          |
|            | (3) Non-agricultural<br>credit societies                                           | 105        | 731          | 4,594         | 35,908        | 47,863          | 65,684          | 66,890          | 65,454          |
|            | (4) Marketing<br>societies                                                         | 2          | 4            | 9             | 182           | 5,032           | 16              | 16              | 17              |
|            | (5) Agro-processing<br>enterprises                                                 | 6          | 30           | 69            | 236           | 3,724           | 2,808           | 3,072           | 2,795           |
|            | (6) Social services &<br>other Co-op.<br>societies                                 | 8          | 25           | 191           | 2,899         | 834             | 517             | 466             | 503             |
|            | <b>Total</b>                                                                       | <b>883</b> | <b>2,311</b> | <b>12,062</b> | <b>67,653</b> | <b>1,11,862</b> | <b>1,49,213</b> | <b>1,50,869</b> | <b>1,52,677</b> |
| <b>VI.</b> | <b>Turnover-Value of<br/>produced goods sold<br/>(₹ crore)</b>                     |            |              |               |               |                 |                 |                 |                 |
|            | (1) Apex and central-<br>Agricultural and<br>non- agricultural<br>credit societies | NA         | NA           | NA            | NA            | NA              | NA              | NA              | NA              |
|            | (2) Primary<br>Agricultural<br>credit societies                                    | 51         | 146          | 239           | 1,012         | 593             | 908             | 808             | 837             |
|            | (3) Non-agricultural<br>credit societies                                           | 3          | 10           | --            | 38            | 76              | --              | --              | --              |
|            | (4) Marketing<br>societies                                                         | 214        | 979          | 2,602         | 3,205         | 1,368           | 3,981           | 6,087           | 5,122           |
|            | (5) Agro-processing<br>enterprises                                                 | 194        | 1,031        | 3,467         | 7,496         | 46,112          | 21,252          | 23,496          | 21,780          |
|            | (6) Social services &<br>other co-op.<br>societies                                 | 69         | 187          | 330           | 1,588         | 4,076           | 4,673           | 5,562           | 4,737           |
|            | <b>Total</b>                                                                       | <b>531</b> | <b>2,353</b> | <b>6,638</b>  | <b>13,339</b> | <b>52,225</b>   | <b>30,814</b>   | <b>35,953</b>   | <b>32,476</b>   |

Source - Office of the Commissioner for Co-operation & Registrar Co-operative Societies, GoM.

NA Not Applicable

Note - Figures upto 1990-91 are at the end of June.

\* Provisional

\$ Includes primary agricultural credit societies, primary land development banks and grain banks upto 1970-71.

\$\$ Excluding Nominal Members.

@ Lift Irrigation societies are classified in Social Services & Other Co-op. Societies category instead of 'Agro-processing' category since 2000-01.



# 9 Infrastructure





## 9. INFRASTRUCTURE

9.1. Better infrastructure is one of the important factor in economic & social transformation. Developing quality, reliable, sustainable and resilient infrastructure to support economic development and human well-being, with a focus on affordable and equitable access for all has been emphasised under the Sustainable Development Goal (SDG) 'Build Resilient Infrastructure, Promote Inclusive and Sustainable Industrialization and Foster Innovation'.

### ENERGY

9.2 One of the Sustainable Development Goals is to 'Ensure access to affordable, reliable, sustainable & modern energy for all'. Electricity, Natural Gas, Petroleum are various forms of energy.

#### Electricity

9.3 Electrical energy plays a major role in the development and sustenance of modern economy. Electricity is generated through non-renewable and renewable sources and used across the sectors of the economy.

#### Installed capacity

9.3.1 The total installed capacity of generating electricity as on 31<sup>st</sup> March, 2019 in the State was 36,729 MW of which share of private sector was 57.6 per cent, public sector was 37.0 per cent and Public-Private Partnership (PPP) (Ratnagiri Gas Power Project Ltd.) was 5.4 per cent. The share of renewable energy in the installed capacity of private sector was 41.4 per cent. The installed capacity in the state as on 31<sup>st</sup> March, 2019 was highest in the country. The sourcewise installed capacity is given in Table 9.1.

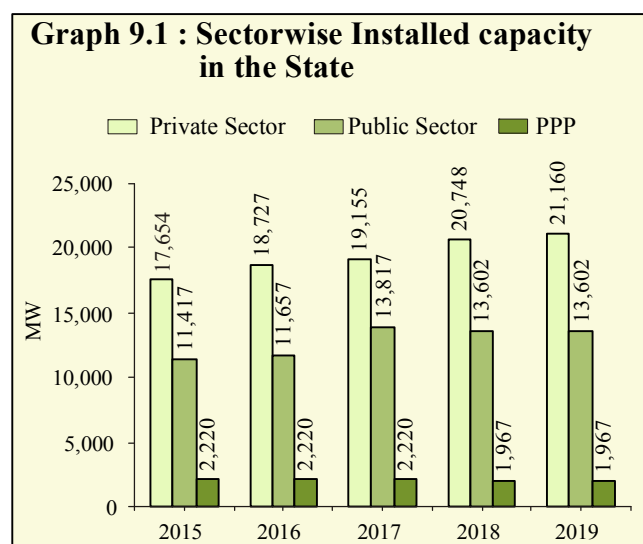


**Table 9.1 Sourcewise installed capacity**

(MW)

| Source                           | As on 31 <sup>st</sup> March |               |               | As on 31 <sup>st</sup> December 2019 | Per cent change in 2019 over 2018 |
|----------------------------------|------------------------------|---------------|---------------|--------------------------------------|-----------------------------------|
|                                  | 2017                         | 2018          | 2019          |                                      |                                   |
| <b>In the State</b>              | <b>35,192</b>                | <b>36,317</b> | <b>36,729</b> | <b>36,076</b>                        | <b>1.1</b>                        |
| Thermal                          | 21,496                       | 22,096        | 22,096        | 21,176                               | 0.0                               |
| Renewable                        | 7,558                        | 8,341         | 8,753         | 9,020                                | 4.9                               |
| Hydro                            | 3,066                        | 3,061         | 3,061         | 3,061                                | 0.0                               |
| Natural gas                      | 3,072                        | 2,819         | 2,819         | 2,819                                | 0.0                               |
| <b>Central sector allocation</b> | <b>7,114</b>                 | <b>7,420</b>  | <b>7,754</b>  | <b>7,779</b>                         | <b>4.5</b>                        |

Source : MAHAGENCO, MEDA, Central Electricity Authority, GoI, Tata Power Co. Ltd, Reliance Infrastructure / Adani Electricity

## Electricity generated

9.3.2 The total electricity generated (including renewable energy) in the State was 1,27,059 Million Units (MU) during 2018-19 and during 2017-18 it was 1,20,160 MU and electricity received from central sector during 2018-19 was 34,238 MU and it was 33,003 MU during 2017-18. The share of private, public and public-private partnership in total electricity generation during 2018-19 was 55.0 per cent, 41.5 per cent and 3.5 per cent respectively. The sourcewise electricity generated is given in Table 9.2.

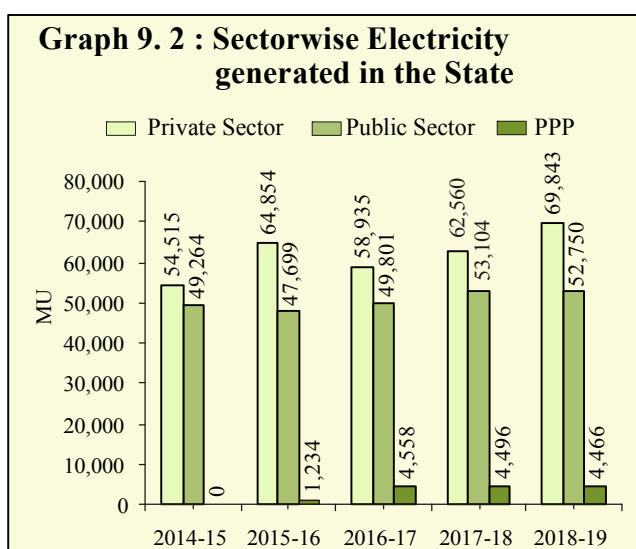


**Table 9.2 Sourcewise electricity generated**

|                                     |                 |                 |                 |                           | (MU)                                    |
|-------------------------------------|-----------------|-----------------|-----------------|---------------------------|-----------------------------------------|
| Source                              | 2016-17         | 2017-18         | 2018-19         | 2019-20 <sup>+</sup>      | Per cent change in 2018-19 over 2017-18 |
| <b>In the State</b>                 | <b>1,13,294</b> | <b>1,20,160</b> | <b>1,27,059</b> | <b>90,380</b>             | <b>5.7</b>                              |
| Thermal                             | 86,723          | 93,950          | 98,720          | 70,501                    | 5.1                                     |
| Natural gas                         | 9,481           | 9,062           | 8,452           | 6,178                     | (-)6.7                                  |
| Hydro                               | 5,979           | 5,114           | 5,387           | 4,763                     | 5.4                                     |
| Renewable <sup>\$</sup>             | 11,111          | 12,034          | 14,500          | 8,938 <sup>#</sup>        | 20.5                                    |
| <b>Received from central sector</b> | <b>32,582</b>   | <b>33,003</b>   | <b>34,238</b>   | <b>22,923<sup>#</sup></b> | <b>3.7</b>                              |

Note : 1 Unit = 1 Kilo Watt Hour

<sup>\$</sup> including captive

<sup>+</sup> upto December

<sup>#</sup> upto November

Source: MAHAGENCO, MAHADISCOM, Central Electricity Authority, GoI, Tata Power Co. Ltd, Reliance Infrastructure / Adani Electricity

## Electricity purchased

9.3.3 During 2018-19 per unit average cost of electricity purchased by MAHADISCOM was ₹ 4.61 and that of BEST was ₹ 4.85. The electricity purchased by MAHADISCOM and BEST is given in Table 9.3.

**Table 9.3 Electricity purchased by MAHADISCOM and BEST**

| Year                 | MAHADISCOM                 |                      | BEST                       |                      |
|----------------------|----------------------------|----------------------|----------------------------|----------------------|
|                      | Electricity purchased (MU) | Total cost (₹ Crore) | Electricity purchased (MU) | Total cost (₹ Crore) |
| 2017-18              | 1,26,925                   | 53,830               | 4,825                      | 2,319                |
| 2018-19              | 1,36,253                   | 62,754               | 4,771                      | 2,315                |
| 2019-20 <sup>+</sup> | 85,570                     | 41,113               | 3,409                      | 1,699                |

Source: MAHADISCOM, BEST

<sup>+</sup> upto November

## Electricity consumed

9.3.4 Aggregate consumption of electricity in the State during 2018-19 was 1,31,866 MU, as against 1,23,938 MU in 2017-18. The consumption of electricity was highest (35.8 per cent) by industrial sector followed by agriculture (25.6 per cent) and domestic sector (22.1 per cent) in the State. Sectorwise electricity consumption is given in Table 9.4.

**Table 9.4 Sectorwise electricity consumption**

|                              |                 |                 |                 |                      | (MU)                                    |
|------------------------------|-----------------|-----------------|-----------------|----------------------|-----------------------------------------|
| Sector                       | 2016-17         | 2017-18         | 2018-19         | 2019-20 <sup>+</sup> | Per cent change in 2018-19 over 2017-18 |
| Industrial                   | 33,820          | 43,974          | 47,164          | 34,448               | 7.3                                     |
| Agriculture                  | 28,202          | 30,561          | 33,725          | 20,930               | 10.4                                    |
| Domestic                     | 26,868          | 28,348          | 29,188          | 23,353               | 3.0                                     |
| Commercial                   | 13,050          | 13,925          | 14,179          | 11,013               | 1.8                                     |
| Public Services <sup>@</sup> | 4,351           | 4,810           | 5,089           | 3,849                | 5.8                                     |
| Railways                     | 105             | 163             | 174             | 139                  | 6.8                                     |
| Other                        | 1,953           | 2,157           | 2,347           | 1,780                | 8.8                                     |
| <b>All</b>                   | <b>1,08,349</b> | <b>1,23,938</b> | <b>1,31,866</b> | <b>95,512</b>        | <b>6.4</b>                              |

<sup>@</sup> including public lighting & water supply works

+ upto December

Source : MAHADISCOM, BEST, Tata Power Co. Ltd, Reliance Infrastructure / Adani Electricity

9.3.5 Per capita ultimate consumption of electricity in India and Maharashtra is given in Table 9.5.

**Table 9.5 Per capita ultimate consumption of electricity**

|             |              |              |              |                |                      |                | (Units) |
|-------------|--------------|--------------|--------------|----------------|----------------------|----------------|---------|
| Sector      | 2016-17      |              | 2017-18      |                | 2018-19 <sup>*</sup> |                |         |
|             | India        | Maharashtra  | India        | Maharashtra    | India                | Maharashtra    |         |
| <b>All</b>  | <b>715.4</b> | <b>907.5</b> | <b>753.1</b> | <b>1,028.2</b> | <b>784.2</b>         | <b>1,083.7</b> |         |
| Commercial  | 70.3         | 109.3        | 72.6         | 115.5          | 74.6                 | 116.5          |         |
| Industrial  | 229.4        | 283.3        | 246.3        | 364.8          | 261.1                | 387.6          |         |
| Agriculture | 149.6        | 236.2        | 154.2        | 253.5          | 160.9                | 277.2          |         |
| Domestic    | 200.2        | 225.0        | 211.7        | 235.2          | 219.0                | 239.9          |         |

\* Provisional

Source: Central Electricity Authority, GoI, MAHADISCOM, BEST, Reliance Infrastructure/ Adani Electricity, Tata Power Co. Ltd

9.3.6 The time series data on installed capacity, electricity generated, sectorwise electricity consumed and per capita ultimate consumption of electricity is given in Annexure 9.1.

## Demand and supply of electricity

9.3.7 The State has taken various measures for capacity addition, improving Transmission & Distribution (T & D) network and energy conservation, which has resulted in improved supply position. The supply & shortfall of electricity at average peak demand is given in Table 9.6.

**Table 9.6 Supply & shortfall of electricity at average peak demand**

|                      |                     |        |           | (MW) |
|----------------------|---------------------|--------|-----------|------|
| Year                 | Average peak demand | Supply | Shortfall |      |
| 2016-17              | 16,903              | 16,866 | 37        |      |
| 2017-18              | 17,412              | 17,606 | (-)194    |      |
| 2018-19              | 18,478              | 19,814 | (-)1,336  |      |
| 2019-20 <sup>+</sup> | 17,611              | 20,389 | (-)2,778  |      |

Source: MAHADISCOM

+ upto December



## Transmission and Distribution (T & D) network infrastructure

9.3.8 T & D network infrastructure is the backbone of the electricity power system as it facilitates the delivery of electricity from power plants to end consumers. Improvement in T & D network infrastructure is an ongoing process which involves measures such as modernisation of Extra High Voltage (EHV) sub-stations, replacement of faulty meters, load reduction on overloaded high tension (HT) & low tension (LT) circuits by providing additional transformers, erection & commissioning of new sub-stations and anti-theft drive.

9.3.9 The transmission capacity of MAHATRANSCO was about 1,28,015 Mega Volt Ampere (MVA) with the network of 47,304 circuit km transmission lines and 672 sub-stations by the end of 2018-19. Transmission capacity has been enhanced to 1,28,840 MVA with the network line length of 48,177 circuit km with 679 sub-stations during 2019-20 upto December. The transmission losses of MAHATRANSCO for 2017-18 & 2018-19 were 3.30 per cent & 3.11 per cent respectively whereas in 2019-20 upto December it was 3.18 per cent.

9.3.10 The distribution network of MAHADISCOM has 3,727 sub-stations, 10,55,942 circuit km line length with 6,15,003 distribution transformers by the end of 2018-19. During 2019-20 upto December, it has 3,938 sub-stations, 10,68,064 circuit km line length and 6,54,650 distribution transformers.

9.3.11 The contribution of MAHADISCOM to the distribution utilities in the State was 86.7 per cent followed by Adani Electricity 6.4 per cent, BEST 3.5 per cent and Tata Power 3.4 per cent during 2018-19. The distribution losses are given in Table 9.7.

**Graph 9.3: Aggregate technical & commercial (AT & C) losses and Distribution losses of MAHADISCOM**

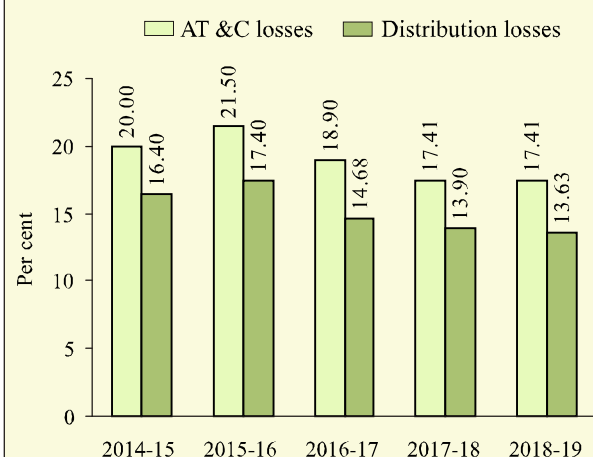


**Table 9.7 Distribution losses**

| Licensee                                    | (per cent) |         |         |                      |
|---------------------------------------------|------------|---------|---------|----------------------|
|                                             | 2016-17    | 2017-18 | 2018-19 | 2019-20 <sup>+</sup> |
| MAHADISCOM                                  | 14.68      | 13.90   | 13.63   | 12.17                |
| BEST                                        | 5.42       | 5.82    | 4.18    | 4.34                 |
| Reliance Infrastructure / Adani Electricity | 8.83       | 8.11    | 7.95    | 8.36                 |
| Tata Power Co. Ltd.                         | 0.85       | 0.90    | 0.63    | 0.89                 |

Source : MAHADISCOM, BEST, Tata Power Co. Ltd., Reliance Infrastructure / Adani Electricity

+ upto September

9.3.12 **Ujwal Discom Assurance Yojana (UDAY):** The GoI has approved the scheme in 2015 for improving the operational and financial efficiency of the State DISCOM. Under the scheme, an amount of ₹ 4,959.75 crore has been transferred by GoM to MAHADISCOM during 2016-17. Upto September, 2019, feeder metering, electricity access to unconnected households, feeder segregation, rural feeder audit and distribution of LED bulbs has been completed, whereas distribution transformer metering is in progress.

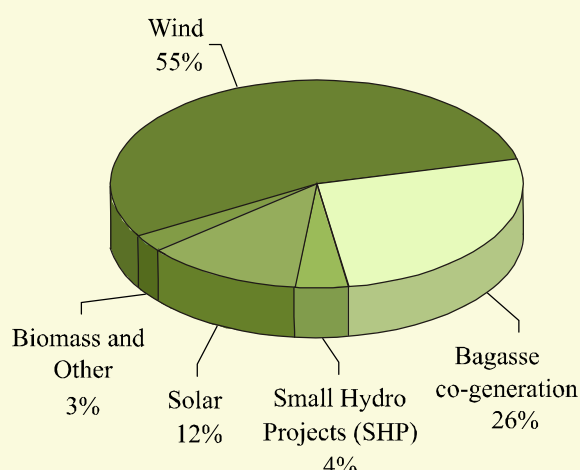
9.3.13 **Capacity addition of thermal power:** MAHAGENCO has accorded approval for installation and commissioning of projects at various thermal power stations. Capacity addition in project at Bhusawal 660 MW is in progress and State government and Maharashtra Electricity Regulatory Commission has given in-principal approval for implementation of project at Koradi 1,320 MW.



## Renewable energy

9.4 Wind, solar, biomass, biogas, sea waves, geo-thermal, etc. are the renewable, clean and eco-friendly energy sources. Maharashtra Energy Development Agency (MEDA) is the designated agency to co-ordinate, regulate and enforce the provisions of the Energy Conservation Act, 2001. MEDA is actively engaged in propagation & promotion of renewable energy and implementation of energy conservation programmes.

**Graph 9.4 : Installed capacity of renewable energy**



9.4.1 GoM has adopted the policy of achieving the target of renewable purchase obligation upto 10 per cent in line with GoI. Accordingly, policies have been announced for grid connected electricity generation through renewable energy sources. The State ranks third after Tamil Nadu & Karnataka in terms of installed capacity of renewable energy in India. Potential and installed capacity of renewable energy is given in Table 9.8.

**Table 9.8 Potential and installed capacity of renewable energy**

(MW)

| Source                                  | Potential capacity | Installed capacity           |              |              |                                       |
|-----------------------------------------|--------------------|------------------------------|--------------|--------------|---------------------------------------|
|                                         |                    | As on 31 <sup>st</sup> March |              |              | As on 31 <sup>st</sup> December, 2019 |
|                                         |                    | 2017                         | 2018         | 2019         |                                       |
| Wind                                    | 9,400              | 4,769                        | 4,782        | 4,792        | 4,998                                 |
| Bagasse co-generation                   | 2,200              | 1,849                        | 1,954        | 2,284        | 2,284                                 |
| Small Hydro Projects (SHP) <sup>#</sup> | 732                | 304                          | 336          | 366          | 366                                   |
| Biomass                                 | 781                | 215                          | 215          | 215          | 215                                   |
| Urban solid waste                       | 287                | 3                            | 3            | 3            | 3                                     |
| Industrial waste                        | 350                | 35                           | 35           | 35           | 38                                    |
| Solar                                   | 7,500              | 383                          | 1,017        | 1,058        | 1,116                                 |
| <b>Total</b>                            | <b>21,250</b>      | <b>7,558</b>                 | <b>8,342</b> | <b>8,753</b> | <b>9,020</b>                          |

Source : MEDA

<sup>#</sup> SHP (less than 25 MW capacity) installed by Water Resource Department

### 9.4.2 Energy conservation programme and other measures for renewable energy:

A large number of stand-alone renewable energy devices have been distributed on a subsidised basis. The achievements under energy conservation programme and other measures are given in Table 9.9.

**Table 9.9 Achievements under energy conservation programme and other measures**

(no.)

| Particulars                                                                                                                        | As on 31 <sup>st</sup> March |          |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------|
|                                                                                                                                    | 2018                         | 2019     |
| <b>Energy conservation programme</b>                                                                                               |                              |          |
| a) Energy audit                                                                                                                    | 1,089                        | 1,314    |
| b) Walk through energy audit                                                                                                       | 2,408                        | 2,872    |
| c) Waste heat recovery                                                                                                             | 11                           | 11       |
| d) Replacement of compact fluorescent lamp (CFL) at grampanchayat                                                                  | 1,53,066                     | 1,53,066 |
| e) Demo project of energy conservation in govt./semi govt. office buildings                                                        | 90                           | 106      |
| f) Installation of energy conservation devices in municipal councils                                                               | 36                           | 38       |
| Wind monitoring stations                                                                                                           | 409                          | 409      |
| Solar power plants in govt. buildings                                                                                              | 41                           | 113      |
| Briquetting projects                                                                                                               | 170                          | 189      |
| Exhibitions                                                                                                                        | 288                          | 305      |
| <i>Atal Saur Krishi Pump</i>                                                                                                       | --                           | 79       |
| Solar powered small & tap drinking water supply scheme                                                                             | --                           | 1,198    |
| Solar radiation assessment centres <sup>\$</sup>                                                                                   | 7                            | 7        |
| Common study room with solar lamps <sup>\$</sup>                                                                                   | 18,603                       | 18,603   |
| Village electrification <sup>\$</sup> (a) villages                                                                                 | 586                          | 586      |
| (b) hamlets                                                                                                                        | 703                          | 703      |
| Wind solar hybrid system <sup>\$</sup> (a) no.                                                                                     | 293                          | 293      |
| (b) capacity (KW)                                                                                                                  | 2,283                        | 2,283    |
| Wind solar hybrid system in <i>ashramshala</i> & hostels <sup>\$</sup>                                                             | 20                           | 20       |
| Solar energy applications in <i>ashramshala</i> (solar home light, street sight, water heating system & power packs) <sup>\$</sup> | 10                           | 10       |

Source: MEDA

\$ At present scheme is closed

**9.4.3 Renewable Purchase Obligation (RPO) & Renewable Energy Certificates (REC)**

**Mechanism:** Renewable Purchase Obligation is the obligation mandated by the Maharashtra Electricity Regulatory Commission (MERC) under the Act, to purchase minimum level of renewable energy out of the total consumption by the obligated entity (the distribution licensees, grid connected captive generating plants and open access consumers).

9.4.4 REC is a market based instrument to promote renewable energy and to address the mismatch between available renewable energy (RE) sources and the requirement of the obligated entities to meet their RPO. MEDA is the state agency for RPO, its compliance and implementation of REC framework. As per RPO-REC Regulation-2016 of MERC, obligated entity has to purchase minimum level of renewable energy out of the total conventional consumption by them. As per this regulation, minimum quantity of purchase from renewable energy sources (in terms of energy equivalent in KWh) target upto 2018-19 is 2.75 per cent for solar and 11.0 per cent for other renewable energy. RPO achievements are given in Table 9.10.

**Table 9.10 RPO achievements**

(Per cent)

| Distribution Licensee                       | Solar   |          | Other RE |          | Total   |          |
|---------------------------------------------|---------|----------|----------|----------|---------|----------|
|                                             | 2017-18 | 2018-19* | 2017-18  | 2018-19* | 2017-18 | 2018-19* |
| MAHADISCOM                                  | 0.79    | 1.74     | 10.57    | 9.52     | 11.36   | 11.26    |
| Tata Power Co. Ltd.                         | 1.55    | 3.23     | 9.58     | 11.01    | 11.13   | 14.24    |
| Reliance Infrastructure / Adani Electricity | 0.73    | 0.79     | 2.14     | 2.29     | 2.87    | 3.08     |
| BEST                                        | 0.69    | 4.14     | 11.38    | 11.14    | 12.06   | 15.28    |

Source: MEDA

\* Provisional

## Regulatory measures and electricity tariffs

9.5 Maharashtra Electricity Regulatory Commission (MERC) has been set up for determination of tariff, regulation of power purchase and procurement process of transmission & distribution utilities and promotion of competition, efficiency & economy in the electricity sector. Average tariffs of electricity in 2019-20 are given in Table 9.11.

**Table 9.11 Average Tariffs of electricity during 2019-20**

(₹ per unit)

| Category of user                                    | MAHADISCOM | BEST | Adani Electricity | Tata Power                                     |
|-----------------------------------------------------|------------|------|-------------------|------------------------------------------------|
| <b>LT - Domestic/Residential</b>                    |            |      |                   |                                                |
| BPL                                                 | 2.08       | 2.51 | @                 | @                                              |
| 0-100 Units                                         | 5.48       | 3.24 | 5.06              | 1.99                                           |
| 101-300 Units                                       | 9.26       | 5.80 | 8.93              | 5.24                                           |
| 301-500 Units                                       | 11.75      | 8.07 | 9.98              | 9.47                                           |
| 501-1,000 Units                                     | 13.07      | 9.31 | 11.67             | 13.10                                          |
| Above 1,000 Units                                   | 13.86      | 9.31 | 11.67             | 13.10                                          |
| <b>LT - Commercial/Non-residential</b>              |            |      |                   |                                                |
| 0-20 KW                                             | 10.81      | 7.74 | 9.71              | 8.81                                           |
| > 20 KW & ≤ 50 KW                                   | 13.79      | 8.18 | 10.28             | 8.79                                           |
| Above 50 KW                                         | 16.79      | 8.41 | 10.52             | 10.23                                          |
| <b>LT - Industry</b>                                |            |      |                   |                                                |
| below 20 KW load                                    | 6.80       | 6.96 | 8.84              | 8.44                                           |
| above 20 KW load                                    | 9.53       | 7.48 | 9.65              | 8.32                                           |
| <b>LT - Agriculture</b>                             |            |      |                   |                                                |
| Un-metered – Pumpsets                               | 3.86       | NA   | NA                | NA                                             |
| Metered – Pumpsets                                  | 3.74       | 3.98 | 5.77              | @                                              |
| Metered – Others                                    | 5.71       | 5.48 | 7.28              | @                                              |
| <b>LT - Street lights (Public lighting)</b>         |            |      |                   |                                                |
| Grampanchayat and A, B & C class Municipal Councils | 6.24       | NA   | NA                | NA                                             |
| Municipal Corporation areas                         | 7.77       | 7.64 | 9.01              | 8.85                                           |
| <b>LT - Public services</b>                         |            |      |                   |                                                |
| Government educational institutions & hospitals     | 7.62       | 7.33 | 8.03              | 7.18                                           |
| Others                                              | 8.85       | 7.64 | 8.41              | 8.78                                           |
| <b>HT - Industry</b>                                | 8.42       | 7.86 | 9.79              | 9.50                                           |
| <b>HT - Railways / Metro / Monorail</b>             | 8.89       | 7.20 | 8.78              | 7.59<br>(Railways)<br>7.73<br>(Metro/Monorail) |
| <b>HT - Public services</b>                         |            |      |                   |                                                |
| Government educational institutions & hospitals     | 9.63       | 7.53 | 9.13              | 8.92                                           |
| Others                                              | 11.65      | 7.99 | 10.02             | 9.61                                           |
| <b>HT- Agriculture pumps</b>                        | 4.27       | NA   | NA                | NA                                             |

Source: MERC

@ Average tariff not shown as no or less number of consumers

NA Not Applicable

## Village electrification, network improvement and energy conservation Schemes

**9.6.1 Village electrification :** As per Annual Report 2018-19 of MAHADISCOM, there are 41,928 villages, out of which 41,618 villages are electrified through conventional energy and 305 villages are electrified non-conventionally through renewable energy upto March, 2019.

**9.6.2 Energisation of agricultural pumps :** About 42.20 lakh agricultural pumps were energised in the State upto 31<sup>st</sup> March, 2019. During 2018-19 about 60,817 and during 2019-20 upto October 27,916 agriculture pumps were energized.

**9.6.3 Atal Saur Krushi Pump Yojana :** Solar agriculture pumps commissioned were 5,662 as against the target of 10,000 in its first phase (2015 to 2018). In the second phase (2018-19 onwards), 6,000 solar agriculture pumps were commissioned upto November, 2019 as against the target of 7,000.

**9.6.4 Mukhyamantri Saur Krishi Vahini Yojana :** Under the scheme two pilot projects of solar energy of two MW capacity each are executed at Ralegan Siddhi in Ahmednagar district and Kolambi in Yavatmal district. Solar plant having total generation capacity of 1,361 MW is proposed to be executed in the State, of which 137.07 MW capacity is commissioned till date.

**9.6.5 Pradhan Mantri Kisan Urja Suraksha evam Utthan Maha-abhiyan (PM KUSUM):** Ministry of New and Renewable Energy, GoI has launched the scheme for farmers for installation of solar pumps and grid connected solar and other renewable power plants in the country. The scheme aims to add solar and other renewable capacity of 25,750 MW by 2022 with total financial support of ₹ 34,422 crore from GoI including service charges to the implementing agencies.

**9.6.6 Deen Dayal Upadhyay Gram Jyoti Yojana (DDUGJY):** GoI has launched this scheme in 2015, to provide electricity connection to rural household and sanctioned ₹ 2,164.15 crore for the State. Under the scheme it is targeted to provide electricity connection to 12.48 lakh rural households (including 3.86 lakh BPL households). The progress under DDUGJY upto December, 2019 is shown in Table 9.12.

**Table 9.12 Progress under DDUGJY**

| (upto December, 2019)                             |      |          |             |             |
|---------------------------------------------------|------|----------|-------------|-------------|
| Particulars                                       | Unit | Target   | Achievement | In Progress |
| New stations                                      | no.  | 210      | 185         | 25          |
| Augmentation/upgradation of existing transformers | no.  | 151      | 109         | 37          |
| New transformers                                  | no.  | 9,311    | 6,671       | 577         |
| Feeder separation                                 | no.  | 709      | 562         | 96          |
|                                                   | Km   | 9,796    | 7,610       | 801         |
| HT line                                           | Km   | 6,653    | 4,540       | 402         |
| LT line                                           | Km   | 5,693    | 3,722       | 259         |
| SAGY Villages                                     | no.  | 79       | 79          | 0           |
| Connection to BPL HHs                             | no.  | 3,86,439 | 3,86,439    | 0           |

Source : MAHADISCOM

SAGY Sansad Adarsh Gram Yojana

**9.6.7 Domestic Efficient Lighting Programme :** Under the scheme, about 2.19 crore LED bulbs, 5.31 lakh LED tube lights and 1.86 lakh BEE (five star rating) ceiling fans have been distributed in the State upto 15<sup>th</sup> November, 2019.

**9.6.8 Pradhanmantri Sahaj Bijali Har Ghar (Saubhagya) Yojana :** According to guidelines of Saubhagya Yojana announced by GoI on 20<sup>th</sup> October, 2017 the unelectrified households in the remote areas are being electrified through installed solar home light systems including five years comprehensive maintenance. REC Ltd. (formerly Rural Electrification Corporation Limited) has

sanctioned ₹ 117.80 crore for 26,011 households from 754 villages and habitations, electrification was completed upto December, 2018. Electrification of newly identified 13,751 households is completed upto December, 2019.

**9.6.9 Save Energy Programme :** Energy conservation potential for industrial, agriculture, domestic and commercial sector is about 30 per cent. It is necessary to conduct a systematic energy audit to save energy. A technical and financial assistance is provided to conduct systematic energy audit under the programme. In all, 1,437 such energy audits have been conducted and subsidy of ₹ 249.81 lakh was given upto December, 2019.

**9.6.10 Scheme for Walk-through energy audit for SMEs :** The main objective of this program is to provide financial assistance to eligible organizations for carrying out walk-through energy audit through empanelled consultant of MEDA. About 3,362 small and medium enterprises (SMEs) participated in the scheme upto December, 2019. These SMEs availed a subsidy of ₹ 91.12 lakh for conducting energy audit through energy auditing firms registered with MEDA.

## Other forms of energy

### Petroleum and natural gas

**9.7** Consumption pattern of petroleum products shows consistently increasing trend over the years. Consumption of major petroleum products in comparison with previous year indicates rise of 5.1 per cent and 1.9 per cent respectively for India and Maharashtra during 2018-19. Consumption of major petroleum products in India and Maharashtra is given in Table 9.13.

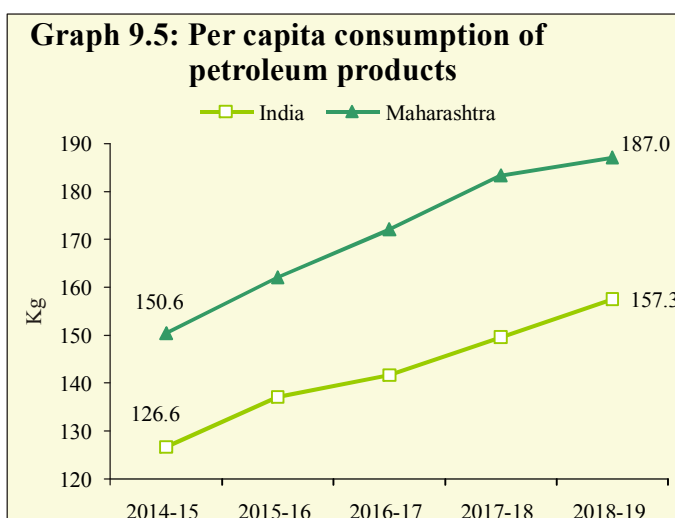


**Table 9.13 Consumption of major petroleum products**

('000 MT)

| Petroleum products                                       | 2017-18         |               | 2018-19*        |               |
|----------------------------------------------------------|-----------------|---------------|-----------------|---------------|
|                                                          | India           | Maharashtra   | India           | Maharashtra   |
| Naptha                                                   | 10,842          | 371           | 11,420          | 363           |
| Liquified Petroleum Gas (LPG)                            | 22,976          | 2,799         | 24,591          | 2,990         |
| Motor Spirit/Gasolene (MS)                               | 26,175          | 3,226         | 28,284          | 3,358         |
| Superior Kerosene Oil (SKO)                              | 3,845           | 305           | 3,459           | 200           |
| Aviation Turbine Fuel (ATF)                              | 7,333           | 1,618         | 8,041           | 1,639         |
| High Speed Diesel (HSD)                                  | 80,991          | 8,673         | 83,435          | 9,292         |
| Light Diesel Oil (LDO)                                   | 524             | 89            | 598             | 78            |
| Furnace Oil (FO)                                         | 5,912           | 841           | 5,583           | 815           |
| Hot Heavy Stock (HHS)/<br>Low Sulphur Heavy Stock (LSHS) | 116             | 13            | 369             | 4             |
| Lubricants/Greas                                         | 1,345           | 329           | 1,313           | 285           |
| Bitumen                                                  | 5,136           | 532           | 5,830           | 712           |
| Others                                                   | 15,880          | 1,821         | 17,428          | 1,281         |
| <b>Total</b>                                             | <b>1,81,075</b> | <b>20,617</b> | <b>1,90,352</b> | <b>21,017</b> |

Source : 'Indian Petroleum and Natural Gas Statistics 2017-18' report, Ministry of Petroleum and Natural Gas, GoI \* Provisional

9.7.1 LPG domestic consumers, distributors, Superior Kerosene Oil (SKO) / Light Diesel Oil (LDO) dealers and retail outlets are given in Table 9.14.

**Table 9.14 LPG domestic consumers, distributors, SKO/LDO dealers and retail outlets**

| Particulars                                | 2016-17 |             | 2017-18 |             | 2018-19 |             |
|--------------------------------------------|---------|-------------|---------|-------------|---------|-------------|
|                                            | India   | Maharashtra | India   | Maharashtra | India   | Maharashtra |
| LPG Active Domestic Consumers (lakh)       | 1,988   | 222         | 2,243   | 241         | 2,654   | 269         |
| LPG Distributors (no.)                     | 22,192  | 1,756       | 20,146  | 1,827       | 23,737  | 2,134       |
| SKO/LDO Dealers (no.)                      | 6,543   | 767         | 6,536   | 767         | 6,528   | 767         |
| Retail Outlets (no.)                       | 59,595  | 5,684       | 62,585  | 5,970       | 64,625  | 6,179       |
| PDS SKO allocation ('000 MT)               | 6,933   | 564         | 5,022   | 385         | 4,433*  | 287*        |
| PDS SKO upliftment of allocation ('000 MT) | 6,678   | 518         | 4,669   | 378         | 4,152*  | 242*        |

Source: Ministry of Petroleum and Natural Gas, GoI

\* Provisional

9.7.2 Mahanagar Gas Limited, Maharashtra Natural Gas Limited and Gas Authority of India Ltd. (GAIL) are the operating entities of Piped Natural Gas (PNG) connections, Compressed Natural Gas (CNG) stations and CNG vehicles in the State. Upto March, 2019 there were 1,730 CNG stations and about 33.47 lakh CNG vehicles in India, of which 313 CNG stations and 9.22 lakh CNG vehicles were in the State. There were 50.80 lakh PNG connections in India, of which 14.57 lakh connections were in the State.

9.7.3 **Pradhan Mantri Ujjwala Yojana:** The Government has launched this scheme for providing LPG connections to five crore women belonging to the Below Poverty Line (BPL) families over a period of three years starting from 2016-17. BPL families have been identified based on the Socio-Economic Caste Census (SECC) 2011. Ministry of Petroleum and Natural Gas extended the scheme to poor households which are not covered under SECC list or in the expanded categories for providing eight crore LPG connections to BPL families upto 2019-20. The target was achieved upto September, 2019. Under the scheme total 44.38 lakh LPG connections are released in the state.

9.7.4 **Modified direct benefit transfer scheme for LPG consumers :** The scheme has been launched in November, 2014. Previously launched direct benefit transfer scheme for LPG required the consumer to mandatorily have an *Aadhaar* number for availing LPG subsidy. Under the modified scheme, the LPG consumer can receive subsidy without the use of *Aadhaar* number. As on 1<sup>st</sup> October, 2019 active LPG consumers in the State were 2.71 crore.

## TRANSPORT AND COMMUNICATION

9.8 A well developed transport & communication system plays a vital role in ensuring sustained economic growth. Better infrastructure leads to better service delivery, inclusiveness and wider market accessibility. Road, rail, air & water are the modes of transport and postal services, land line telephones, cell phones & internet services are modes of personal / official communication.

### Surface transport

#### Road network

9.9 The road network consists of highways, district roads, village roads and internal city roads. Road development plan 2001-21 is being implemented in the State with a target to develop 3.37 lakh km roads. The total road length maintained by Public Works Department (PWD) and Zilla Parishad (ZP) (excluding road length maintained by other agencies) at the end of March, 2019 was 3.01 lakh km. During 2019-20, funds of ₹ 13,200 crore were approved and an expenditure of ₹ 6,816.71 crore was incurred upto December. The road length maintained by PWD and ZP is given in Table 9.15. Road length by type of road in the State is given in Annexure 9.2 and district wise road length according to breadth is given in Annexure 9.3.

**Graph 9.6 : Achievement of road development plan (2001-21)**

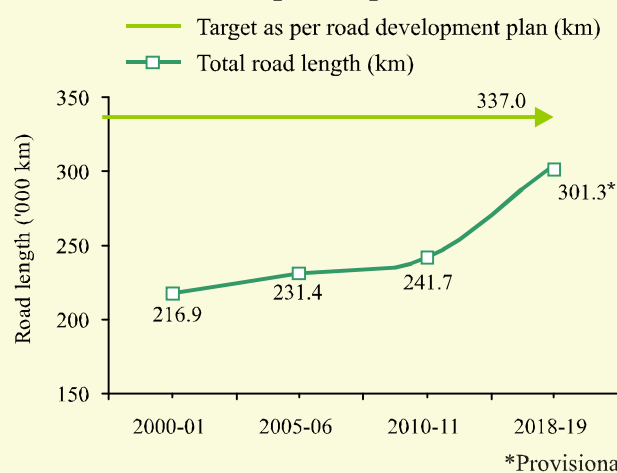


**Table 9.15 Road length maintained by PWD and ZP**

(As on 31<sup>st</sup> March)

| Year     | Roads (km)        |                      |                |                      |                      |               | Total    |
|----------|-------------------|----------------------|----------------|----------------------|----------------------|---------------|----------|
|          | National highways | Major state highways | State highways | Major district roads | Other district roads | Village roads |          |
| 2016-17  | 7,682             | 3,971                | 30,776         | 51,627               | 56,336               | 1,53,946      | 3,04,336 |
| 2017-18  | 10,195            | 3,272                | 29,151         | 55,030               | 53,924               | 1,52,272      | 3,03,843 |
| 2018-19* | 10,413            | 4,008                | 30,353         | 61,850               | 48,422               | 1,46,221      | 3,01,267 |

Note: Figures may not add up due to rounding

\* provisional

Source: Public Works Department, GoM

### Central Road Fund Scheme

9.10 Government of India introduced Central Road Fund (CRF) scheme in 2001-02 to allocate and disburse funds for the development and maintenance of national highways, rural roads, state roads (roads of interstate connectivity and economic importance) and construction of roads either under or over the railways by means of a bridge and erect suitable safety works at unmanned rail-road level crossings. Progress of works under CRF scheme in the State is given in Table 9.16.



**Table 9.16 Progress of works under CRF scheme in the State**

| Year               | Works sanctioned (no.) | Sanctioned length (km) | Amount sanctioned (₹ Crore) | Works (no.) |            | Physical length completed (km) | Expenditure incurred (₹ Crore) |
|--------------------|------------------------|------------------------|-----------------------------|-------------|------------|--------------------------------|--------------------------------|
|                    |                        |                        |                             | In progress | Completed  |                                |                                |
| 2001-02 to 2015-16 | 831                    | 8,341.60               | 4,741.83                    | 79          | 747        | 8,219.24                       | 4,250.63                       |
| 2016-17            | 170                    | 1,336.44               | 3,106.40                    | 123         | 17         | 714.51                         | 1,710.32                       |
| 2017-18            | 1                      | 3.90                   | 11.41                       | 0           | 0          | 0                              | 141.72                         |
| 2018-19            | 52                     | 284.36                 | 2,638.57                    | 0           | 24         | 9.50                           | 665.41                         |
| <b>TOTAL</b>       | <b>1,054</b>           | <b>9,966.30</b>        | <b>10,498.21</b>            | <b>202</b>  | <b>788</b> | <b>8,943.25</b>                | <b>6,768.08</b>                |

Note : Total 24 works have been deleted & 40 works not yet started

Source : Public Works Department, GoM

### ***Pradhan Mantri Gram Sadak Yojana***

9.11 *Pradhan Mantri Gram Sadak Yojana* (PMGSY) is being implemented since 2000. The objective of PMGSY is to provide all-weather road connectivity to the unconnected habitations in the rural areas with a population of 500 & above (250 & above for tribal areas). The GoI has sanctioned PMGSY – II in 2013 for the states which have achieved 100 per cent target of connectivity to the unconnected habitations and 75 per cent target of upgradation. Under the scheme, only upgradation of roads can be undertaken. The total road length constructed and/or upgraded and number of habitations connected under PMGSY since inception is given in Table 9.17.

**Table 9.17 Cumulative road length constructed and / or upgraded and number of habitations connected in the state under PMGSY since inception**

| Year                 | Cumulative Physical target |                             | Cumulative physical achievement |                             |
|----------------------|----------------------------|-----------------------------|---------------------------------|-----------------------------|
|                      | Road length (km)           | Habitations connected (no.) | Road length (km)                | Habitations connected (no.) |
| 2017-18              | 24,439                     | 8,315                       | 23,198                          | 8,218                       |
| 2018-19              | 27,207                     | 8,808                       | 26,053                          | 8,584                       |
| 2019-20 <sup>+</sup> | 27,548                     | 10,842                      | 26,331                          | 10,616                      |

Source: Rural Development Department, GoM

+ upto November

### ***Chief Minister Gram Sadak Yojana***

9.12 Chief Minister *Gram Sadak Yojana* is being implemented in the State from 2015-16 for connecting unconnected habitations and upgradation of existing rural roads. Upto October, 2019 the road length sanctioned for upgradation is 30,400 km. During 2019-20 upto October, the road length upgraded was 11,500 km and expenditure incurred was ₹ 6,246 crore.



## Projects of Maharashtra State Road Development Corporation

9.13 Maharashtra State Road Development Corporation (MSRDC), established for development of roads & allied infrastructure mainly through private participation, has completed various projects with an estimated cost of ₹ 12,524 crore upto November, 2019. The total toll collected from the partially and fully completed projects upto November, 2019 was ₹ 9,252 crore as against the total expenditure of ₹ 28,975 crore. Status of on-going projects of MSRDC is given in Table 9.18.

**Table 9.18 Status of ongoing projects of MSRDC**

| Name of project                                                             | Commence-<br>ment year | Estimated<br>project cost<br>(₹ Crore) | Expenditure<br>incurred <sup>+</sup><br>(₹ Crore) | Expected<br>year of<br>completion |
|-----------------------------------------------------------------------------|------------------------|----------------------------------------|---------------------------------------------------|-----------------------------------|
| <i>Hindu Hridayasamrat Balasaheb Thakare Maharashtra Samriddhi Mahamarg</i> | 2016-17                | 55,335.32                              | 13,011.33                                         | 2020-21                           |
| Pune ring road                                                              | 2016-17                | 4,200.00                               | 9.46                                              | NA                                |
| Thane- Ghodbunder elevated road                                             | 2016-17                | 3,000.00                               | 1.56                                              | NA                                |
| Bhivandi- Kalyan -Shilphata elevated road                                   | 2016-17                | 2,600.00                               | 4.26                                              | 2020-21<br>(Phase 1)              |
| Rail over bridges (ROB) in Vidharbha                                        | 2016-17                | 870.00                                 | 4.29                                              | NA                                |
| Thane creek bridge –III                                                     | 2016-17                | 775.58                                 | 2.06                                              | NA                                |
| Mumbai Pune express way (MPEW) -widening 6 lane                             | 2016-17                | 314.00                                 | 329.69                                            | 2019-20                           |
| Way side amenities on MPEW                                                  | 2014-15                | 200.00                                 | 7.34                                              | 2018-19                           |
| Increasing capacity of MPEW                                                 | 2009-10                | 6,695.37                               | 21.98                                             | 2019-20                           |
| Thane Tikujiniwadi to Borivali tunnel                                       | 2015-16                | 3,000.00                               | 1.71                                              | NA                                |
| Modernisation of border check post                                          | 2008-09                | 1,500.00                               | 52.66                                             | NA                                |
| Versova- Bandra sea link project                                            | 2007-08                | 11,332.82                              | 29.86                                             | 2022-23                           |
| Integrated road development programme Nagpur (Including ROB)                | 2001-02                | 517.36                                 | 528.43                                            | 2019-20                           |
| Sales Tax Building (Deposit Work)                                           | 2012-13                | 47.30                                  | 40.25                                             | 2019-20                           |
| Ministry of Road & Transport (Deposit Work)                                 | 2016-17                | 9,630.00                               | 4,797.03                                          | NA                                |

Source : MSRDC

NA Not available

+ upto November, 2019

### ***Hindu Hridayasamrat Balasaheb Thakare Maharashtra Samriddhi Mahamarg***

9.14 This proposed corridor is eight lane expressway connecting Mumbai to Nagpur (701 km long and 120 m wide) and will enable travellers to cover the distance in eight hours. This expressway will pass through 10 districts, 26 tehsils and 392 villages and thereby it will connect 24 districts. At the crossing points of state and national highways an innovative idea of development of 24 *Krusha Samruddhi Kendra* is proposed. This corridor is proposed to connect industrial places (Butibori, Wardha, Amravati, Jalna, Chikalthana, Shendra, Walunj and Sinnar), tourist & pilgrimage places (Sewagram, Karanja (Lad), Lonar, Sindkhedraja, Ellora and Shirdi). This work is proposed through Engineering, Procurement and Construction (EPC) basis. The total land required is 9,599.99 ha, of which 8,311.15 ha land was acquired. The compensation amount paid upto December, 2019 was ₹ 6,991 crore.

## Projects of Mumbai Metropolitan Region Development Authority

9.15 Mumbai Metropolitan Region (MMR) comprises of whole of the area of Mumbai City District, Mumbai Suburban District and parts of the Thane, Raigad and Palghar Districts. It has total 6,500 sq.km area under nine municipal corporations, nine municipal councils, one nagar panchayat and about 14,769 villages. Mumbai Metropolitan Region Development Authority (MMRDA) has undertaken various infrastructure projects in MMR. Status of on-going transport projects in MMR is given in Table 9.19.

**Table 9.19 Status of on-going transport projects in Mumbai Metropolitan Region**

(₹ Crore)

| Name of project                                                                                                                                         | Commence-<br>ment year | Cost of<br>project | Expendi-<br>ture<br>incurred <sup>+</sup> | Expected<br>year of<br>completion | Current status                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------|-------------------------------------------|-----------------------------------|-------------------------------------|
| <b>EXTENDED MUIP:</b>                                                                                                                                   |                        |                    |                                           |                                   |                                     |
| <b>Phase - I, II &amp; III : Roads, Flyovers</b>                                                                                                        | 2007                   | 6,235.12           | 3,437.57                                  | 2022                              | Work in progress                    |
| <b>Mithi river works Phase II</b><br>deepening, widening, beautification,<br>service roads, etc.                                                        | 2007                   | 570.76             | 543.09                                    | 2020                              | Almost completed <sup>\$</sup>      |
| <b>Multi-modal corridor from Virar to Alibaug:</b> Construction of freeway with eight lanes for the vehicles besides dedicated lanes for buses (126 km) | 2010                   | 39,841.93          | 44.81                                     | 2023                              | Consultants appointed               |
| <b>Outer Area Road Development Scheme</b>                                                                                                               | 2014                   | 805.12             | 358.80                                    | 2020                              | Work in progress                    |
| <b>Construction of elevated road (BKC Connector) between BKC - G block &amp; the eastern express highway.</b>                                           | 2015                   | 155.70             | 142.46                                    | 2019                              | The connector is opened for traffic |
| <b>Kurla to Wakola Phase I</b>                                                                                                                          | 2016                   | 449.00             | 231.39                                    | 2020                              | Work in progress                    |
| <b>Bharat Diamond Bourse to Wakola Junction Phase II</b> (under extension of SCLR)                                                                      | 2017                   | 220.80             | 23.36                                     | 2020                              | Work in progress                    |
| <b>Mumbai Trans – Harbour link :</b><br>Construction of bridge across the sea from Sewri to Nhava (22 km)                                               | 2017                   | 17,843.00          | 4,418.45                                  | 2022                              | Work in progress                    |
| <b>Traffic improvement of Chheda Nagar Junction Ghatkopar (E) on Eastern Express Highway</b>                                                            | 2018                   | 223.85             | 74.38                                     | 2021                              | Work in progress                    |

BKC Bandra Kurla Complex

SCLR Santacruz Chembur link road

+ upto October, 2019

\$ Stay of Hon. Supreme court for construction of service roads, beautification, etc

Source: MMRDA

## Motor vehicles

9.16 The total number of motor vehicles on road in the State as on 1<sup>st</sup> January, 2020 is 3.71 crore showing an increase of about 6.6 per cent over the previous year. Of the total registered vehicles in the State, about 38.04 lakh vehicles (10.3 per cent) were in Brihanmumbai. The number of vehicles per km road length (roads maintained by PWD and ZP) in the State was 123. Categorywise number of motor vehicles on road is given in Table 9.20 and it's series is given in Annexure 9.4.

**Table 9.20 Categorywise number of motor vehicles on road**

('000)

| Category of vehicles                                                                                               | As on 1 <sup>st</sup> January |                  |                 |                 |                 |                 |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------|-----------------|-----------------|-----------------|-----------------|
|                                                                                                                    | Maharashtra                   |                  |                 | Brihanmumbai    |                 |                 |
|                                                                                                                    | 2019                          | 2020*            | Per cent change | 2019            | 2020*           | Per cent change |
| Two wheelers (motorcycles, scooters & mopeds)                                                                      | 25,566.13                     | 27,248.41        | 6.6             | 2,085.81        | 2,253.70        | 8.1             |
| Auto rickshaws                                                                                                     | 951.22                        | 1,034.49         | 8.8             | 201.61          | 218.17          | 8.2             |
| LMV (cars, jeeps, station wagons & taxis)                                                                          | 5,200.61                      | 5,522.97         | 6.2             | 1,169.28        | 1,226.06        | 4.9             |
| Buses (stage carriages, contract carriages, school buses & PSV)                                                    | 143.45                        | 152.64           | 6.4             | 15.81           | 17.43           | 10.3            |
| Goods vehicles {Articulated/Multi-axial vehicles, trucks & lorries, tankers, delivery vans (3 & 4 wheelers), etc.} | 1,717.46                      | 1,839.77         | 7.1             | 70.99           | 84.20           | 18.6            |
| Tractors                                                                                                           | 754.60                        | 809.18           | 7.2             | 0.19            | 0.20            | 4.2             |
| Trailers                                                                                                           | 410.61                        | 421.32           | 2.6             | 0.12            | 0.13            | 8.3             |
| Ambulances                                                                                                         | 15.85                         | 16.53            | 4.3             | 1.40            | 1.51            | 7.9             |
| Others                                                                                                             | 67.59                         | 76.55            | 13.3            | 1.85            | 2.53            | 36.8            |
| <b>Total</b>                                                                                                       | <b>34,827.52</b>              | <b>37,121.86</b> | <b>6.6</b>      | <b>3,547.06</b> | <b>3,803.93</b> | <b>7.2</b>      |

Source : Office of the Transport Commissioner, GoM PSV - Public Service Vehicles LMV-Light Motor Vehicles \*Provisional

9.16.1 The driving licenses are being issued online in the form of smart cards through 'SARTHI' software and registration certificate is issued in the form of a smart card through 'VAHAN' software. The number of valid motor driving licenses in the State at the end of December, 2019 was 357.02 lakh, showing an increase of two per cent over the previous year. The number of learning licenses issued in the State during 2018-19 was 21.61 lakh.

9.16.2 Every year, plays and lectures based on theme of road safety are organised in the State. The number of accidents per ten thousand vehicles in the State during 2019 was seven. Number of road accidents and number of persons killed & injured in the State and Brihanmumbai are given in Table 9.21.

**Table 9.21 Number of road accidents and persons killed & injured in accidents in the State and Brihanmumbai**

| Year  | Number of Accidents |               | Number of persons killed |               |                       | Number of persons injured |               |                       |
|-------|---------------------|---------------|--------------------------|---------------|-----------------------|---------------------------|---------------|-----------------------|
|       | State               | Brihan-mumbai | State                    | Brihan-mumbai | Per cent <sup>@</sup> | State                     | Brihan-mumbai | Per cent <sup>@</sup> |
| 2017  | 35,853              | 3,160         | 12,264                   | 490           | 4.0                   | 32,128                    | 3,287         | 10.2                  |
| 2018  | 35,717              | 3,162         | 13,261                   | 475           | 3.6                   | 31,365                    | 3,292         | 10.5                  |
| 2019* | 25,130              | 2,131         | 9,463                    | 293           | 3.1                   | 22,031                    | 2,201         | 10.0                  |

Source : Office of the Additional Director General (Traffic), GoM

@ Brihanmumbai to State

+ upto September

Economic Survey of Maharashtra 2019-20

## Public passenger road transport facility

### Maharashtra State Road Transport Corporation

9.17 During 2018-19 on an average 65.96 lakh passengers per day availed bus service of Maharashtra State Road Transport Corporation (MSRTC). Percentage of villages covered and population served by MSRTC bus service is given in Table 9.22. The transport statistics of MSRTC is given in Table 9.23.

**Table 9.22 Percentage of villages covered and population served by MSRTC bus service**

| Bus Service       | Percentage of Villages Covered |         | Percentage of Population Served |         |
|-------------------|--------------------------------|---------|---------------------------------|---------|
|                   | 2017-18                        | 2018-19 | 2017-18                         | 2018-19 |
| Direct            | 75.87                          | 76.42   | 91.74                           | 91.95   |
| Up to 3 km        | 14.94                          | 14.67   | 5.55                            | 5.45    |
| Between 3 to 5 km | 5.44                           | 5.28    | 1.62                            | 1.56    |
| Beyond 5 km       | 3.75                           | 3.63    | 1.09                            | 1.04    |

Source : MSRTC

**Table 9.23 Transport statistics of MSRTC**

| Item                                                    | 2017-18  | 2018-19  | 2019-20 <sup>+</sup> |
|---------------------------------------------------------|----------|----------|----------------------|
| Total vehicles in possession                            | 18,652   | 18,796   | 18,309               |
| Average no. of buses on road per day                    | 16,424   | 16,414   | 16,166               |
| Total employees (as on 31 <sup>st</sup> March)          | 1,01,196 | 1,01,879 | 99,847               |
| Average effective km operated per day (lakh)            | 55.72    | 55.83    | 54.93                |
| Average no. of passengers carried per day (lakh)        | 67.28    | 65.96    | 60.59                |
| Vehicle productivity (km)                               | 298.73   | 297.03   | 300.02               |
| Crew productivity (km)                                  | 214.80   | 218.08   | 217.51               |
| Bus Staff ratio (on road vehicles)                      | 6.16     | 6.17     | 6.22                 |
| Average seating capacity                                | 43.34    | 43.33    | 43.17                |
| Percentage load factor (excluding value of concessions) | 56.3     | 54.0     | 54.0                 |
| Percentage load factor (including value of concessions) | 70.8     | 69.1     | 68.2                 |

Source : MSRTC

+ upto September

9.17.1 Apart from regular operations, MSRTC provides special services for fairs and casual contracts. The transport statistics of fairs and casual contracts is given in Table 9.24.

**Table 9.24 Transport statistics of fairs & casual contracts of MSRTC**

| Particulars             | Fairs   |         | Casual contracts  |                           |        |                   |                           |       |
|-------------------------|---------|---------|-------------------|---------------------------|--------|-------------------|---------------------------|-------|
|                         | 2017-18 | 2018-19 | 2017-18           |                           |        | 2018-19           |                           |       |
|                         |         |         | Conces-<br>sional | Non-<br>Conces-<br>sional | All    | Conces-<br>sional | Non-<br>conces-<br>sional | All   |
| Effective km (lakh)     | 201.37  | 162.50  | 153.07            | 44.67                     | 197.74 | 56.44             | 40.47                     | 96.91 |
| Income earned (₹ crore) | 71.91   | 65.75   | 38.12             | 22.40                     | 60.52  | 16.77             | 22.26                     | 39.03 |
| Earnings per km (₹)     | 35.71   | 40.45   | 24.90             | 50.16                     | 30.61  | 29.72             | 55.00                     | 40.27 |

Source : MSRTC

9.17.2 Various types of concessions in bus fares are provided to students, senior citizens (above 65 years), cancer patients, freedom fighters, etc. by MSRTC and amount of concession is reimbursed by Government of Maharashtra. During 2018-19 an amount of concession given was ₹ 1,620.59 crore.

9.17.3 The toll charges paid by MSRTC during 2017-18 and 2018-19 were ₹ 122 crore and ₹ 135 crore respectively.

9.17.4 The number of accidents and compensation paid by MSRTC is given in Table 9.25

**Table 9.25 Number of accidents and compensation paid by MSRTC**

| Particulars                   | 2017-18 | 2018-19 |
|-------------------------------|---------|---------|
| Accidents (no.)               | 2,933   | 3,310   |
| Persons killed (no.)          | 420     | 441     |
| Persons injured (no.)         | 5,242   | 4,814   |
| Rate of accidents per lakh km | 0.14    | 0.16    |
| On the spot payment (₹ crore) | 0.35    | 0.33    |
| Final compensation (₹ crore)  | 85.43   | 164.37  |

Source: MSRTC

## City public passenger road transport

9.18 The public passenger road transport is one of the major modes of passenger transport in cities. This facility is available in 21 cities in the State. Of these, MSRTC provides local passenger transport facility in seven cities, *Brihanmumbai* Electricity Supply & Transport (BEST) in *Brihanmumbai*, *Pune Mahanagar Parivahan Mahamandal Ltd* (PMPML) in Pune & Pimpri-Chinchwad Municipal Corporation area and in remaining 12 cities respective Municipal Corporations/ Council provide such facilities. Operational statistics of public passenger transport services in cities is given in Table 9.26.

**Table 9.26 Operational statistics of public passenger road transport services in cities**

(As on 31<sup>st</sup> March)

| Transport service provider                  | Average no. of vehicles on road per day |       | Average no. of passengers carried per day (Lakh) |       | Average effective km operated per day (Lakh) |      | Net profit/ loss (₹ Lakh) |             |
|---------------------------------------------|-----------------------------------------|-------|--------------------------------------------------|-------|----------------------------------------------|------|---------------------------|-------------|
|                                             | 2018                                    | 2019  | 2018                                             | 2019  | 2018                                         | 2019 | 2018                      | 2019        |
| MSRTC (City operations)                     | 382                                     | 272   | 2.07                                             | 1.47  | 0.67                                         | 0.59 | (-)2,269                  | (-)2,421    |
| BEST                                        | 3,058                                   | 2,865 | 26.20                                            | 22.10 | 5.19                                         | 4.63 | (-)1,04,945               | (-)1,01,123 |
| Pune Mahanagar Parivahan Mahamandal Limited | 1,947                                   | 1,972 | 10.89                                            | 10.35 | 3.07                                         | 2.84 | (-)20,462                 | (-)24,705   |
| Navi Mumbai municipal transport             | 386                                     | 391   | 2.90                                             | 3.00  | 0.86                                         | 0.88 | (-)7,652                  | (-)8,695    |
| Nagpur municipal transport                  | 296                                     | 301   | 1.57                                             | 1.56  | 0.64                                         | 0.63 | (-)84                     | (-)94       |
| Thane municipal transport                   | 192                                     | 281   | 1.29                                             | 2.08  | 0.33                                         | 0.56 | (-)4,553                  | (-)7,025    |
| Vasai-Virar municipal transport             | 135                                     | 135   | 0.90                                             | 0.86  | 0.25                                         | 0.28 | -                         | -           |
| Kolhapur municipal transport                | 105                                     | 96    | 0.70                                             | 0.71  | 0.23                                         | 0.21 | (-)322                    | (-)251      |
| Solapur municipal transport                 | 36                                      | 31    | 0.22                                             | 0.12  | 0.09                                         | 0.08 | (-)1,673                  | (-)1,074    |
| Kalyan-Dombivli municipal transport         | 72                                      | 62    | 0.39                                             | 0.35  | 0.13                                         | 0.11 | (-)1,578                  | (-)2,520    |
| Mira-Bhayander municipal transport          | 31                                      | 31    | 0.24                                             | 0.26  | 0.07                                         | 0.08 | (-)754                    | (-)876      |
| Amravati municipal transport                | 25                                      | 25    | 0.28                                             | 0.26  | 0.04                                         | 0.03 | (-)95                     | (-)122      |
| Akola municipal transport                   | 5                                       | 16    | 0.03                                             | 0.05  | 0.01                                         | 0.03 | -                         | -           |
| Khopoli municipal transport                 | 11                                      | 10    | 0.44                                             | 0.04  | 0.02                                         | 0.02 | 13                        | 7           |
| Latur municipal transport                   | 3                                       | 9     | 0.01                                             | 0.24  | Neg.                                         | Neg. | 4                         | 44          |

Source: MSRTC, BEST, PMPML & Concerned Municipal Corporations/ Council

Neg. Negligible

## Railways

9.19 Railway is the major public transport system. Freight and passenger traffic are the two major segments of the railways. The railway route length including konkan railway in the State as on 31<sup>st</sup> March, 2019 was 6,199.54 km, which is 9.1 per cent of the total railway route length (67,796.13 km) of India. The status of on-going railway works in the State is given in Table 9.27.

**Table 9.27 Status of on-going railway works**

(As on 30<sup>th</sup> June, 2019)

| Name of the route                                         | Route length<br>(km) | Total project cost<br>(₹ Crore) | Physical progress<br>(per cent) |
|-----------------------------------------------------------|----------------------|---------------------------------|---------------------------------|
| Pune Miraj londa (doubling)                               | 467                  | 2,436.57                        | 4                               |
| Wardha-Nanded via Yavatmal-Pusad<br>(new line)            | 284                  | 3,168.29                        | 16                              |
| Itarsi - Nagpur 3 <sup>rd</sup> line                      | 280                  | 2,449.91                        | 10                              |
| Ahmednagar-Narayandoh -Beed-Parli- Vaijnath<br>(new line) | 261                  | 2,271.50                        | 47                              |
| Manmad - Jalgaon 3 <sup>rd</sup> line                     | 160                  | 1,035.16                        | 5                               |
| Wardha - Ballarshah- 3 <sup>rd</sup> line                 | 132                  | 1,272.19                        | 7                               |
| Wardha - Nagpur 4 <sup>th</sup> line                      | 76                   | 637.95                          | 10                              |
| Wardha - Sewagram-Nagpur 3 <sup>rd</sup> line             | 76                   | 540.02                          | 18                              |
| Kalyan - Kasara 3 <sup>rd</sup> line                      | 68                   | 792.89                          | 18                              |
| Baramati - Lonand (new line)                              | 64                   | 736.44                          | 95                              |
| Belapur - Seawood-Uran (new line)                         | 54                   | 1,781.98                        | 78                              |
| Pen-Roha (doubling)                                       | 40                   | 203.00                          | 100                             |
| Bhusawal - Jalgaon 3 <sup>rd</sup> line                   | 24                   | 199.12                          | 49                              |
| Jalgaon - Bhusawal 4 <sup>th</sup> line                   | 24                   | 261.37                          | 35                              |
| Teegaon - Chichonda 3 <sup>rd</sup> line                  | 17                   | 175.66                          | 83                              |

Source: Central Railway

## Mumbai suburban railway

9.20 Suburban rail network is the major mode of public transport in Mumbai. Two zonal railways, viz. Western railway and Central railway operate Mumbai suburban railway system. The Harbour line and Trans Harbour line are parts of the Central railway. A fleet of 223 local trains is utilised to run 3,029 train services, daily carrying on an average 81.6 lakh passengers.

9.21 *Mumbai Railway Vikas Corporation Ltd. (MRVC)* is implementing rail component of Mumbai Urban Transport Projects (MUTP). The work of MUTP I is completed. The status of on-going projects of MUTP II & 3A is given in Table 9.28.

**Table 9.28 Status of on-going projects of MUTP II & 3A**(As on 31<sup>st</sup> December, 2019)

| Name of project                                                  | Length of corridor (route kilometer) | Estimated cost (₹ Crore) | Expenditure incurred (₹ Crore) | Expected year of completion |
|------------------------------------------------------------------|--------------------------------------|--------------------------|--------------------------------|-----------------------------|
| <b>MUTP II</b>                                                   |                                      |                          |                                |                             |
| Thane-Diva (additional 5 <sup>th</sup> & 6 <sup>th</sup> line)   | 9                                    | 502.36                   | 497.77                         | December, 2020              |
| Mumbai Central - Borivali (additional 6 <sup>th</sup> line)      | 30                                   | 918.53                   | 313.58                         | March, 2021                 |
| CSMT-Kurla (additional 5 <sup>th</sup> & 6 <sup>th</sup> line)   | 15                                   | 1,367.00                 | 173.57                         | March, 2021                 |
| New suburban corridor between Panvel-Karjat on CR                | 28                                   | 2,782.00                 | 232.52                         | March, 2023                 |
| New suburban corridor link between Airoli-Kalwa (elevated) on CR | 4                                    | 476.00                   | 71.21                          | March, 2022                 |
| Quadrupling of Virar-Dahanu road on WR                           | 63                                   | 3,578.00                 | 66.81                          | March, 2023                 |
| Trespass Control on Mid-section on CR & WR                       | -                                    | 551.00                   | 93.92                          | March 2023                  |
| <b>MUTP 3 A</b>                                                  |                                      |                          |                                |                             |
| Kalyan-Badlapur (3 <sup>rd</sup> & 4 <sup>th</sup> line)         | 14                                   | 1,510.00                 | 0.16                           | March, 2024                 |
| Station Improvement                                              | -                                    | 947                      | 0.57                           | March, 2022                 |

CR Central Railway

WR Western Railway

CSMT Chatrapati Shivaji Maharaj Terminus

Source : Mumbai Railway Vikas Corporation

9.22 Apart from announcements in the local trains and sensitising about safety, various measures have been taken to prevent accidents viz. construction of foot overbridges, subways, walls to control trespassing on suburban railway tracks, sealing off the trespassing points, shifting of poles, etc. Number of accidental deaths and injured (causewise) on Mumbai suburban railway route is given in Table 9.29.

**Table 9.29 Number of accidental deaths and injured (causewise) on Mumbai suburban railway route**

| Cause of accident     | 2017         |              | 2018         |              | 2019         |              |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                       | Deaths       | Injured      | Deaths       | Injured      | Deaths       | Injured      |
| Line cross            | 1,651        | 376          | 1,619        | 323          | 1,455        | 276          |
| Fall in gap           | 18           | 6            | 6            | 8            | 4            | 7            |
| Fall down from train  | 654          | 1,434        | 711          | 1,585        | 611          | 1,406        |
| Hitting railway poles | 12           | 90           | 19           | 90           | 9            | 55           |
| Other <sup>\$</sup>   | 679          | 1,439        | 626          | 1,343        | 612          | 1,454        |
| <b>Total</b>          | <b>3,014</b> | <b>3,345</b> | <b>2,981</b> | <b>3,349</b> | <b>2,691</b> | <b>3,198</b> |

\$ Includes electric shock, suicide, natural deaths, cases referred for chemical analysis, etc.

Source : Mumbai Railway Police Commissionerate, GoM

## Metro Rail Project

9.23 Metro Rail projects are undertaken in Mumbai, Navi Mumbai, Pune and Nagpur Cities to have a safe, reliable, efficient, affordable, commuter friendly and environmentally sustainable rapid public transport system.



## Mumbai metro rail project

9.23.1 Mumbai metro rail based rapid transit system project is being implemented on Public Private Partnership (PPP) basis. The status of on-going metro rail projects in MMR upto November, 2019 is given in Table 9.30

**Table 9.30 Status of on-going metro rail projects in Mumbai Metropolitan Region**

| (₹ Crore)                                     |                        |                    |                                           |                                   |                                       |
|-----------------------------------------------|------------------------|--------------------|-------------------------------------------|-----------------------------------|---------------------------------------|
| Metro Line /Name of project                   | Commence-<br>ment year | Cost of<br>project | Expendi-<br>ture<br>incurred <sup>+</sup> | Expected<br>year of<br>completion | Status <sup>+</sup>                   |
| 2A - Dahisar-D.N. Nagar (18.6 km)             | 2016                   | 6,410              | 1,498.33                                  | 2019-20                           | 73 per cent civil work completed      |
| 2B- D.N. Nagar -Mandale (23.6 Km)             | 2018                   | 10,986             | 458.11                                    | 2021-22                           | In progress                           |
| 3 Colaba-Bandra-SEEPZ (33.5 km)               | 2015                   | 23,136             | 12,795 <sup>++</sup>                      | 2021-22                           | Project is under implementation stage |
| 4 Wadala-Ghatkopar-Thane-Kasarwadavli (32 km) | 2017                   | 14,549             | 408.16                                    | 2021-22                           | Civil works in progress               |
| 5 Thane-Bhiwandi-Kalyan                       | 2019                   | 8,417              | 0.58                                      | 2021-22                           | In progress                           |
| 6 Swami Samarth Nagar-Vikhroli (14.5 km)      | 2018                   | 6,672              | 303.38                                    | 2021-22                           | Civil work commenced                  |
| 7 Andheri (E)-Dahisar(E) (16.5 km)            | 2016                   | 6,208              | 1,490.02                                  | 2019-20                           | 71 per cent civil work completed      |

Source : MMRDA, MMRC

++ upto December, 2019

+ upto November, 2019

## Navi Mumbai metro rail project

9.23.2 The State Government is implementing this project through CIDCO. The project is being developed in phases. CIDCO is developing an elevated Metro Rail line from CBD-Belapur-Pendhar having elevated length of 11.10 km, 11 elevated Metro Stations & one Depot in first phase at an estimated project cost of ₹ 3,063.63 crore. The expenditure incurred upto December, 2019 is ₹ 1,850 crore.

## Nagpur metro rail project

9.23.3 Nagpur metro rail project consists of length of 38.22 km and 38 stations. The entire stretch of this project is divided into two corridors viz. North-South corridor of 19.66 km length with 18 stations and East-West corridor of 18.56 km length with 20 stations. The estimated cost of project is ₹ 8,680 crore. The expenditure incurred upto December, 2019 was ₹ 6,578.02 crore. The physical progress as on 31<sup>st</sup> December, 2019 was 86 per cent.

## Pune metro rail project

9.23.4 Pune metro rail project consists of two corridors with total length of 33.28 km. The length of Pimpri Chinchwad to Swargate corridor is 17.53 km, of which 11.45 km is elevated stretch and 6.08 km underground stretch with 9 elevated and 5 underground stations. The Vanaz to Ramwadi corridor with length 15.75 km is totally elevated with 16 elevated stations. The total estimated project cost of the project is ₹ 11,420 crore. The project is expected to be completed by March, 2022. The total land required for the project is 45.86 ha, of which government land is 38.27 ha. The physical progress at the end of December, 2019 is 37 per cent.



## Water transport

9.24 Water transport is cheaper, environment friendly and time saver as compared to other transport facilities. The State is implementing 'Maharashtra Maritime Port Development Policy-2016' to boost the maritime by developing infrastructural facilities and thereby achieving industrial development. The policy covers areas viz. green ports, jetties, shipyards, coastal and inland water transport, ports connectivity, coastal economic zone, etc. Concessions are also given on electricity duty, non-agriculture cess, stamp duty, port charges and discount on royalty for port projects.

### Major ports

9.24.1 The State has two major ports, viz. Mumbai Port and Jawaharlal Nehru Port. During 2018-19, Mumbai Port and Jawaharlal Nehru Port handled 605.88 lakh MT and 707.06 lakh MT cargo traffic respectively. Operational statistics of major ports is given in Table 9.31.

**Table 9.31 Operational statistics of major ports**

| Item                                   | Mumbai Port   |               |                 | Jawaharlal Nehru Port |                 |                 |
|----------------------------------------|---------------|---------------|-----------------|-----------------------|-----------------|-----------------|
|                                        | 2017-18       | 2018-19       | Per cent change | 2017-18               | 2018-19         | Per cent Change |
| <b>Total cargo capacity (lakh MT)</b>  | <b>784.00</b> | <b>784.00</b> | <b>0</b>        | <b>883.00</b>         | <b>1,183.00</b> | <b>34.0</b>     |
| Employees (no.)                        | 8,629         | 7,597         | (-)12.0         | 1,567                 | 1,521           | (-)2.9          |
| <b>Cargo traffic handled (lakh MT)</b> | <b>628.28</b> | <b>605.88</b> | <b>(-)3.6</b>   | <b>660.04</b>         | <b>707.06</b>   | <b>7.1</b>      |
| <i>Of which</i> a) Import              | 424.79        | 422.73        | (-)0.5          | 373.14                | 393.61          | 5.5             |
| b) Export                              | 203.49        | 183.15        | (-)10.0         | 286.90                | 313.45          | 9.3             |
| Passenger traffic handled ('000)       | 21.44         | 48.90         | 128.1           | Nil                   | Nil             | -               |
| Vessels handled (no.)                  | 5,756         | 5,849         | 1.6             | 2,828                 | 2,585           | (-)8.6          |
| Operating income (₹ Crore)             | 1,560.46      | 1,498.32      | (-)4.0          | 1,890.88              | 1,988.99        | 5.2             |
| Operating expenditure (₹ Crore)        | 1,225.92      | 1,221.26      | (-)0.4          | 751.25                | 763.71          | 1.7             |
| Operating surplus (₹ Crore)            | 334.54        | 277.06        | (-)17.2         | 1,139.64              | 1,225.28        | 7.5             |

Source : MbPT & JNPT

### Non-major ports

9.24.2 There are number of captive and multi-purpose jetties set-up within the limits of 48 non-major ports, which also undertake cargo handling. The traffic handled by non-major ports is given in Table 9.32.

**Table 9.32 Traffic handled by non-major ports**

| Particulars                               | 2017-18       | 2018-19       | 2019-20 <sup>+</sup> |
|-------------------------------------------|---------------|---------------|----------------------|
| <b>Cargo traffic handled (lakh MT)</b>    | <b>373.67</b> | <b>457.86</b> | <b>194.94</b>        |
| <i>Of which</i> a) Import                 | 314.13        | 362.44        | 160.39               |
| b) Export                                 | 59.54         | 95.42         | 34.55                |
| <b>Passenger traffic handled (lakh)</b>   | <b>191.19</b> | <b>192.91</b> | <b>76.20</b>         |
| <i>Of which</i> a) By mechanised vehicles | 185.22        | 190.03        | 75.63                |
| b) By non-mechanised vehicles             | 5.97          | 2.88          | 0.57                 |

Source : Maharashtra Maritime Board

+upto September

## ***Sagarmala* programme**

9.24.3 This programme aims to promote port-led development. Under this programme, GoI has sanctioned 26 projects worth estimated cost of ₹ 531.77 crore to develop infrastructure facilities at ports.

## **Marina**

9.24.4 Marinas would help decongest water areas by eliminating un-authorised/ un-organised anchorages. In the first phase infrastructure will be developed at Belapur near Panvel to facilitate anchoring of 30 boats. The yachts and speedboats anchored at Gateway of India can be parked safely there.

## **Roll on- Roll off services**

9.24.5 The work of jetty and passenger facilities at New *Bhaucha Dhakka* (Mumbai) and Mandwa (Raigad district) is completed and roll on - roll off (ro-ro) services will start shortly. The work of jetty and passenger terminal buildings at Agardanda in Rajpuri creek (Murud taluka) and Dighi (Shrivardhan taluka) is completed and ro-ro services have been commenced. The work of jetty and passenger terminal is completed at Karanja (Raigad district) and is underway at Revas (Raigad district).

## **Air transport**

9.25 There are five international and 13 domestic airports functioning in the State. Selected airportwise passenger and cargo traffic statistics is given in Table 9.33.

**Table 9.33 Selected airportwise passenger and cargo traffic statistics**

(As on 31<sup>st</sup> March)

| Airport                 | Passengers (Lakh) |               | Cargo (MT)      |                  |
|-------------------------|-------------------|---------------|-----------------|------------------|
|                         | 2018              | 2019          | 2018            | 2019             |
| <b>A) Domestic</b>      | <b>454.17</b>     | <b>468.12</b> | <b>3,08,971</b> | <b>3,44,788</b>  |
| Mumbai                  | 348.50            | 343.93        | 2,58,356        | 2,86,488         |
| Pune                    | 78.92             | 88.19         | 41,515          | 47,278           |
| Nagpur                  | 20.80             | 26.96         | 6,989           | 8,450            |
| Aurangabad              | 3.40              | 3.47          | 1,729           | 2,007            |
| Juhu                    | 1.66              | 1.48          | 382             | 340              |
| Kolhapur                | 0.00              | 0.18          | 0               | 0                |
| Nanded                  | 0.49              | 1.18          | 0               | 0                |
| Shirdi                  | 0.37              | 2.29          | 0               | 0                |
| Ojhar Nashik (HAL)      | 0.02              | 0.44          | 0               | 225              |
| <b>B) International</b> | <b>138.33</b>     | <b>146.33</b> | <b>6,48,881</b> | <b>6,78,064</b>  |
| Mumbai                  | 134.52            | 142.76        | 6,47,965        | 6,76,972         |
| Pune                    | 2.71              | 2.50          | 51              | 114              |
| Nagpur                  | 1.06              | 1.06          | 865             | 966              |
| Aurangabad              | 0.04              | 0.01          | -               | -                |
| Ojhar Nashik (HAL)      | -                 | -             | -               | 12               |
| <b>Total (A + B)</b>    | <b>592.50</b>     | <b>614.45</b> | <b>9,57,852</b> | <b>10,22,852</b> |

Source : Airport Authority of India

HAL Hindustan Aeronautics Limited

9.25.1 To reduce air-traffic congestion in *Chhatrapati Shivaji* International Airport, an additional international airport has been proposed at Navi Mumbai through Public Private Partnership in four phases with estimated basic cost of ₹ 16,704 crore. It is one of the largest greenfield airports planned to handle minimum 16 million passengers and 1.5 million tons cargo per annum.

## Communications

9.26 Posts, telephones, voice-video and data telecommunication are major components of the communication system. The operational statistics of postal services is given in Table 9.34.

9.27 The internet subscriber base in the State at the end of September, 2019 was 8.7 crore which is highest among all the states.

9.28 The total number of landline connections at the end of November, 2019 in the State was 44.89 lakh. The landline and cell phone connections per lakh population were 3,676 and 1,07,340 respectively. Data of landline and cell phone connections is given in Table 9.35.

**Table 9.34 Operational statistics of postal services**

|                                                    |              | (no.)         |               |
|----------------------------------------------------|--------------|---------------|---------------|
| Particulars                                        | Area         | 2017-18       | 2018-19       |
| Post offices                                       | Rural        | 11,381        | 11,507        |
|                                                    | Urban        | 1,233         | 1,237         |
|                                                    | <b>Total</b> | <b>12,614</b> | <b>12,744</b> |
| Letter boxes                                       | Rural        | 35,841        | 35,842        |
|                                                    | Urban        | 7,988         | 7,934         |
|                                                    | <b>Total</b> | <b>43,829</b> | <b>43,776</b> |
| Delivery postmen<br>(including <i>dak sevaks</i> ) | Rural        | NA            | 4,500         |
|                                                    | Urban        | NA            | 4,950         |
|                                                    | <b>Total</b> | <b>NA</b>     | <b>9,450</b>  |

Source : General Post Office, Mumbai

NA Not available

**Table 9.35 Landline and cell phone connections**

| (Lakh)             |               |                  |                   |                     |                      |                      |
|--------------------|---------------|------------------|-------------------|---------------------|----------------------|----------------------|
| Operator           | 2017-18       |                  | 2018-19           |                     | 2019-20 <sup>+</sup> |                      |
|                    | Landlines     | Cell phones      | Landlines         | Cell phones         | Landlines            | Cell phones          |
| MTNL               | 18.08         | 12.77            | 17.62             | 12.4                | 17.18                | 11.94                |
| BSNL               | 12.59         | 71.10            | 10.84             | 72.04               | 9.36                 | 71.28                |
| Bharati            | 4.44          | 225.60           | 4.65              | 241.84              | 4.93                 | 256.04 <sup>\$</sup> |
| Tata               | 8.72          | 51.84            | 8.38              | 19.70               | 8.12                 |                      |
| Telenor            | NA            | 48.24            | -                 | -                   | -                    | -                    |
| Vodafone           | 0.54          | 304.65           |                   |                     |                      |                      |
| Idea               | NA            | 353.47           | 0.76 <sup>#</sup> | 610.97 <sup>#</sup> | 0.98 <sup>#</sup>    | 539.25 <sup>#</sup>  |
| Reliance/Jio       | 2.84          | 220.30           | -                 | 353.37              | 2.40                 | 432.51               |
| Reliance com.      | -             | -                | 2.20              | 0.06                | 1.92                 | 0.04                 |
| Aircel-Dishnet     | NA            | 21.82            | NA                | NA                  | -                    | -                    |
| <b>Total</b>       | <b>47.21</b>  | <b>1,309.79</b>  | <b>44.45</b>      | <b>1,310.38</b>     | <b>44.89</b>         | <b>1,310.85</b>      |
| <b>India total</b> | <b>228.11</b> | <b>11,834.09</b> | <b>216.96</b>     | <b>11,618.12</b>    | <b>212.90</b>        | <b>11,545.88</b>     |

NA Not Available \$ Bharati & Tata Teleservices combined

# Vodafone & Idea combined

+ upto November

Source : Telecom Regulatory Authority of India

\* \* \* \* \*

## ANNEXURE 9.1

## ELECTRICITY SUPPLY &amp; CONSUMPTION IN THE STATE

| Item<br>(1)                                                      | 1960-61<br>(2)     | 1970-71<br>(3)     | 1980-81<br>(4) | 1990-91<br>(5) | 2000-01<br>(6)            | 2010-11<br>(7) | 2018-19<br>(8)  |
|------------------------------------------------------------------|--------------------|--------------------|----------------|----------------|---------------------------|----------------|-----------------|
| <b>A. Installed capacity (MW)</b>                                |                    |                    |                |                |                           |                |                 |
| A - 1 Installed Capacity in the State                            |                    |                    |                |                |                           |                |                 |
| (1) Thermal                                                      | 477 <sup>s</sup>   | 1,065 <sup>s</sup> | 2,771          | 6,462          | 8,075                     | 9,665          | 22,096          |
| (2) Renewable Energy                                             | --                 | --                 | --             | --             | --                        | 3,408          | 8,753           |
| (3) Hydro                                                        | 282                | 844                | 1,317          | 1,552          | 2,874                     | 3,066          | 3,061           |
| (4) Natural Gas                                                  | --                 | --                 | --             | 672            | 1,820                     | 2,714          | 2,819           |
| <b>Total (A-1)</b>                                               | <b>759</b>         | <b>1,909</b>       | <b>4,088</b>   | <b>8,686</b>   | <b>12,769</b>             | <b>18,853</b>  | <b>36,729</b>   |
| A - 2 State's share in Installed Capacity of -                   |                    |                    |                |                |                           |                |                 |
| (1) National Thermal Power Corp.                                 | NA                 | NA                 | NA             | NA             | 2,048 <sup>@</sup>        | 4,686          | 7,064           |
| (2) Nuclear Power Corporation                                    | NA                 | NA                 | NA             | NA             | 137                       | 690            | 690             |
| <b>Total (A-2)</b>                                               | <b>NA</b>          | <b>NA</b>          | <b>NA</b>      | <b>NA</b>      | <b>2,185</b>              | <b>5,376</b>   | <b>7,754</b>    |
| <b>Total (A-1 + A-2)</b>                                         | <b>759</b>         | <b>1,909</b>       | <b>4,088</b>   | <b>8,686</b>   | <b>14,954</b>             | <b>24,229</b>  | <b>44,483</b>   |
| <b>B. Generation (MU) -</b>                                      |                    |                    |                |                |                           |                |                 |
| (1) Thermal                                                      | 1,903 <sup>s</sup> | 3,392              | 11,416         | 28,085         | 49,377                    | 52,796         | 98,720          |
| (2) Natural Gas                                                  | --                 | --                 | --             | 2,730          | 6,943                     | 18,729         | 8,452           |
| (3) Hydro                                                        | 1,365              | 4,533              | 6,448          | 5,615          | 4,889                     | 6,374          | 5,387           |
| (4) Renewable Energy <sup>#</sup>                                | --                 | --                 | --             | --             | --                        | 5,118          | 14,500          |
| <b>Total</b>                                                     | <b>3,268</b>       | <b>7,925</b>       | <b>17,864</b>  | <b>36,430</b>  | <b>61,209<sup>#</sup></b> | <b>83,017</b>  | <b>1,27,059</b> |
| <b>C. Consumption (MU) -</b>                                     |                    |                    |                |                |                           |                |                 |
| (1) Industrial                                                   | 1,853              | 5,312              | 8,130          | 14,706         | 18,363                    | 34,416         | 47,164          |
| (2) Domestic                                                     | 260                | 732                | 1,779          | 5,065          | 11,172                    | 19,546         | 29,188          |
| (3) Agriculture                                                  | 15                 | 356                | 1,723          | 6,604          | 9,940                     | 16,257         | 33,725          |
| (4) Commercial                                                   | 198                | 547                | 949            | 2,068          | 4,105                     | 11,527         | 14,179          |
| (5) Railways                                                     | 339                | 421                | 766            | 970            | 1,581                     | 2,188          | 174             |
| (6) Public Water works                                           | 35                 | 146                | 330            | NA             | 1,199                     | 1,983          | 2,766           |
| (7) Public lighting                                              | 20                 | 74                 | 159            | 291            | 551                       | 846            | 2,323           |
| (8) Miscellaneous                                                | --                 | 62                 | 198            | 267            | 378                       | 633            | 2,347           |
| <b>Total</b>                                                     | <b>2,720</b>       | <b>7,650</b>       | <b>14,034</b>  | <b>29,971</b>  | <b>47,289</b>             | <b>87,396</b>  | <b>1,31,866</b> |
| <b>D. Per capita ultimate consumption of electricity (Units)</b> |                    |                    |                |                |                           |                |                 |
| (1) Industrial                                                   | 46.8               | 105.4              | 129.5          | 195.4          | 191.2                     | 307.2          | 387.6           |
| (2) Commercial                                                   | 5.0                | 10.9               | 15.1           | 27.5           | 42.7                      | 102.9          | 116.5           |

Source - (1) CEA - Central Electricity Authority  
 (2) MAHAGENCO  
 (3) MAHADISCOM  
 (4) BEST  
 (5) TATA Power Co.Ltd.  
 (6) Reliance Infrastructure/ Adani Electricity

NA Not available.

Note - (1) The above figures are related to public utilities only.  
 (2) @ This includes additional share of 323 MW from NTPC/ NPC which was unallocated share and surplus from Goa.  
 (3) # This includes captive power and Renewable Energy (sold to MAHADISCOM).  
 (4) \$ The figures for Oil are included in Thermal  
 (5) Installed capacity & Generation for private companies other than Tata Power & Reliance Infrastructure are taken from CEA website reports.  
 (6) 1 Unit = 1 Kilo Watt Hour.

## ANNEXURE 9.2

**ROAD LENGTH BY TYPE OF ROADS IN THE STATE  
(MAINTAINED BY PUBLIC WORKS DEPARTMENT AND ZILLA PARISHADS)**

|            |          |                   |                      |                |                      |                      |               | (km)      |
|------------|----------|-------------------|----------------------|----------------|----------------------|----------------------|---------------|-----------|
| Serial No. | Year     | National highways | Major State highways | State highways | Major district roads | Other district roads | Village roads | All roads |
| (1)        | (2)      | (3)               | (4)                  | (5)            | (6)                  | (7)                  | (8)           | (9)       |
| 1          | 1965-66  | 2,364             | --                   | 10,528         | 12,628               | 8,744                | 17,524        | 51,788    |
| 2          | 1970-71  | 2,445             | --                   | 14,203         | 17,684               | 11,012               | 20,020        | 65,364    |
| 3          | 1980-81  | 2,945             | --                   | 18,949         | 25,233               | 25,404               | 68,600        | 1,41,131  |
| 4          | 1990-91  | 2,959             | --                   | 30,975         | 38,936               | 38,573               | 61,522        | 1,72,965  |
| 5          | 2000-01  | 3,688             | --                   | 33,212         | 46,751               | 43,696               | 89,599        | 2,16,946  |
| 6          | 2005-06  | 4,367             | --                   | 33,571         | 48,987               | 45,226               | 99,279        | 2,31,430  |
| 7          | 2006-07  | 4,367             | --                   | 33,675         | 49,147               | 45,674               | 1,00,801      | 2,33,664  |
| 8          | 2007-08  | 4,367             | --                   | 33,800         | 49,393               | 45,886               | 1,02,149      | 2,35,595  |
| 9          | 2008-09  | 4,367             | --                   | 33,933         | 49,621               | 46,143               | 1,03,604      | 2,37,668  |
| 10         | 2009-10  | 4,376             | --                   | 34,102         | 49,901               | 46,817               | 1,04,844      | 2,40,040  |
| 11         | 2010-11  | 4,376             | --                   | 34,103         | 49,936               | 46,897               | 1,06,400      | 2,41,712  |
| 12         | 2011-12  | 4,376             | --                   | 34,157         | 50,256               | 47,529               | 1,06,601      | 2,42,919  |
| 13         | 2012-13  | 4,376             | 6,694                | 27,528         | 50,256               | 47,573               | 1,06,745      | 2,43,172  |
| 14         | 2013-14  | 5,858             | 6,337                | 33,963         | 50,232               | 52,761               | 1,14,557      | 2,63,708  |
| 15         | 2014-15  | 4,766             | 6,163                | 33,860         | 50,585               | 58,115               | 1,45,879      | 2,99,368  |
| 16         | 2015-16  | 4,901             | 5,249                | 33,695         | 52,275               | 56,564               | 1,53,435      | 3,05,119  |
| 17         | 2016-17  | 7,682             | 3,971                | 30,776         | 51,627               | 56,336               | 1,53,946      | 3,04,336  |
| 18         | 2017-18  | 10,195            | 3,272                | 29,151         | 55,030               | 53,924               | 1,52,272      | 3,03,843  |
| 19         | 2018-19* | 10,413            | 4,008                | 30,353         | 61,850               | 48,422               | 1,46,221      | 3,01,267  |

Source - Public Works Department, GoM

\* Provisional

- Note - (1) The classification of road length upto 1987 was according to 'Road Development Plan (RDP), 1961-81' and 1987-88 onwards it is according to 'RDP 1981-2001'.
- (2) State highways include major State highways for 1965-66 to 2011-12.
- (3) The classification of road length from 2012-13 is according to 'RDP 2001-21'.

## ANNEXURE 9.3

**CLASSIFICATION OF DISTRICT-WISE ROAD LENGTH ACCORDING TO BREADTH  
(MAINTAINED BY PUBLIC WORKS DEPARTMENT)**

(km)

| Sr.<br>No. | District<br>Breadth (mt.)  | Achievement in Length 2017-18 |               |                |               |                | Achievement in Length 2018-19 |               |                |               |                |
|------------|----------------------------|-------------------------------|---------------|----------------|---------------|----------------|-------------------------------|---------------|----------------|---------------|----------------|
|            |                            | 7.0                           | 5.5           | 3.75           | Other         | Total          | 7.0                           | 5.5           | 3.75           | Other         | Total          |
| (1)        | (2)                        | (3)                           | (4)           | (5)            | (6)           | (7)            | (8)                           | (9)           | (10)           | (11)          | (12)           |
| 1          | Brihan Mumbai              | 49                            | 0             | 0              | 0             | 49             | 49                            | 0             | 0              | 0             | 49             |
| 2          | Thane                      | 151                           | 248           | 2,495          | 7             | 2,901          | 195                           | 243           | 872            | 2,038         | 3,347          |
| 3          | Palghar                    | 269                           | 466           | 3,763          | 66            | 4,565          | 3,605                         | 439           | 1,917          | 937           | 6,898          |
| 4          | Raigad                     | 952                           | 266           | 1,658          | 2,417         | 5,294          | 1,087                         | 795           | 1,374          | 53            | 3,308          |
| 5          | Ratnagiri                  | 472                           | 878           | 8,501          | 12            | 9,863          | 465                           | 859           | 1,610          | 227           | 3,161          |
| 6          | Sindhudurg                 | 117                           | 946           | 6,919          | 0             | 7,982          | 117                           | 946           | 1,026          | 0             | 2,089          |
|            | <b>Konkan Division</b>     | <b>2,010</b>                  | <b>2,805</b>  | <b>23,337</b>  | <b>2,502</b>  | <b>30,653</b>  | <b>5,518</b>                  | <b>3,282</b>  | <b>6,799</b>   | <b>3,254</b>  | <b>18,853</b>  |
| 7          | Ahmednagar                 | 690                           | 1,500         | 11,917         | 6,331         | 20,438         | 531                           | 1,470         | 11,149         | 6,914         | 20,064         |
| 8          | Nashik                     | 608                           | 1,813         | 11,239         | 4,263         | 17,922         | 331                           | 1,825         | 10,404         | 5,896         | 18,456         |
| 9          | Dhule                      | 277                           | 537           | 4,352          | 9             | 5,176          | 277                           | 538           | 4,138          | 1,198         | 6,151          |
| 10         | Nandurbar                  | 180                           | 513           | 5,483          | 51            | 6,227          | 180                           | 505           | 3,945          | 1,971         | 6,601          |
| 11         | Jalgaon                    | 309                           | 1,010         | 5,232          | 5,900         | 12,452         | 330                           | 1,072         | 5,230          | 5,683         | 12,316         |
|            | <b>Nashik Division</b>     | <b>2,064</b>                  | <b>5,373</b>  | <b>38,223</b>  | <b>16,554</b> | <b>62,214</b>  | <b>1,649</b>                  | <b>5,409</b>  | <b>34,866</b>  | <b>21,663</b> | <b>63,588</b>  |
| 12         | Pune                       | 816                           | 1,275         | 10,943         | 5,592         | 18,626         | 801                           | 1,264         | 16,379         | 201           | 18,646         |
| 13         | Satara                     | 377                           | 923           | 7,892          | 3,192         | 12,383         | 383                           | 943           | 7,953          | 3,161         | 12,439         |
| 14         | Sangli                     | 590                           | 1,104         | 4,483          | 5,941         | 12,117         | 685                           | 1,065         | 4,411          | 6,188         | 12,349         |
| 15         | Kolhapur                   | 565                           | 998           | 3,844          | 3,194         | 8,601          | 571                           | 1,017         | 3,869          | 3,154         | 8,611          |
| 16         | Solapur                    | 1,168                         | 761           | 11,521         | 3,413         | 16,862         | 1,040                         | 888           | 4,862          | 10,078        | 16,869         |
|            | <b>Pune Division</b>       | <b>3,515</b>                  | <b>5,060</b>  | <b>38,683</b>  | <b>21,331</b> | <b>68,590</b>  | <b>3,480</b>                  | <b>5,177</b>  | <b>37,475</b>  | <b>22,782</b> | <b>68,914</b>  |
| 17         | Aurangabad                 | 671                           | 695           | 6,777          | 1,971         | 10,114         | 679                           | 695           | 6,789          | 1,971         | 10,134         |
| 18         | Jalna                      | 335                           | 393           | 4,925          | 1,732         | 7,385          | 393                           | 452           | 4,819          | 1,732         | 7,396          |
| 19         | Parbhani                   | 185                           | 561           | 3,740          | 929           | 5,415          | 185                           | 382           | 3,923          | 911           | 5,401          |
| 20         | Hingoli                    | 134                           | 295           | 3,411          | 12            | 3,852          | 134                           | 290           | 3,428          | 17            | 3,869          |
| 21         | Nanded                     | 230                           | 1,294         | 8,367          | 1,424         | 11,315         | 269                           | 1,331         | 8,289          | 1,531         | 11,420         |
| 22         | Beed                       | 656                           | 608           | 8,401          | 2,662         | 12,327         | 660                           | 629           | 8,395          | 2,643         | 12,327         |
| 23         | Osmanabad                  | 376                           | 971           | 4,676          | 1,468         | 7,491          | 379                           | 1,033         | 4,868          | 1,211         | 7,491          |
| 24         | Latur                      | 285                           | 1,002         | 4,942          | 1,391         | 7,620          | 285                           | 1,002         | 5,403          | 982           | 7,672          |
|            | <b>Aurangabad Division</b> | <b>2,872</b>                  | <b>5,819</b>  | <b>45,239</b>  | <b>11,589</b> | <b>65,519</b>  | <b>2,984</b>                  | <b>5,814</b>  | <b>45,914</b>  | <b>10,998</b> | <b>65,710</b>  |
| 25         | Buldhana                   | 260                           | 812           | 2,689          | 1,466         | 5,226          | 302                           | 813           | 2,859          | 1,470         | 5,443          |
| 26         | Akola                      | 188                           | 542           | 1,460          | 1,044         | 3,234          | 191                           | 547           | 1,429          | 1,079         | 3,246          |
| 27         | Washim                     | 263                           | 448           | 1,138          | 1,159         | 3,009          | 225                           | 441           | 1,138          | 1,165         | 2,970          |
| 28         | Amravati                   | 526                           | 1,052         | 1,742          | 4,715         | 8,035          | 491                           | 920           | 1,864          | 4,684         | 7,959          |
| 29         | Yavatmal                   | 388                           | 926           | 3,539          | 3,494         | 8,347          | 388                           | 926           | 3,539          | 3,494         | 8,347          |
|            | <b>Amravati Division</b>   | <b>1,625</b>                  | <b>3,779</b>  | <b>10,568</b>  | <b>11,878</b> | <b>27,850</b>  | <b>1,597</b>                  | <b>3,647</b>  | <b>10,829</b>  | <b>11,892</b> | <b>27,964</b>  |
| 30         | Wardha                     | 369                           | 735           | 1,909          | 2,519         | 5,532          | 1,478                         | 514           | 2,982          | 1,778         | 6,752          |
| 31         | Nagpur                     | 605                           | 876           | 5,788          | 6,858         | 14,127         | 1,372                         | 834           | 7,569          | 4,833         | 14,609         |
| 32         | Bhandara                   | 134                           | 414           | 2,752          | 2,875         | 6,175          | 597                           | 237           | 3,031          | 2,309         | 6,175          |
| 33         | Gondia                     | 164                           | 420           | 3,354          | 3,262         | 7,200          | 521                           | 258           | 3,325          | 3,298         | 7,403          |
| 34         | Chandrapur                 | 388                           | 564           | 3,357          | 5,270         | 9,579          | 3,043                         | 280           | 5,599          | 3,453         | 12,376         |
| 35         | Gadchiroli                 | 301                           | 819           | 4,761          | 523           | 6,404          | 1,218                         | 498           | 4,293          | 2,915         | 8,924          |
|            | <b>Nagpur Division</b>     | <b>1,961</b>                  | <b>3,828</b>  | <b>21,921</b>  | <b>21,307</b> | <b>49,017</b>  | <b>8,230</b>                  | <b>2,621</b>  | <b>26,799</b>  | <b>18,588</b> | <b>56,238</b>  |
|            | <b>Maharashtra State</b>   | <b>14,047</b>                 | <b>26,664</b> | <b>177,971</b> | <b>85,161</b> | <b>303,843</b> | <b>23,458</b>                 | <b>25,950</b> | <b>162,682</b> | <b>89,177</b> | <b>301,266</b> |

Source - Public Works Department, GoM

## ANNEXURE 9.4

## CATEGORYWISE NUMBER OF MOTOR VEHICLES ON ROAD IN THE STATE

(As on 1<sup>st</sup> January)

| Sr. No.<br>(1)                                                | Class of vehicles<br>(2)           | 1971<br>(3)     | 1981<br>(4)     | 1991<br>(5)      | 2001<br>(6)      | 2011<br>(7)        | 2018<br>(8)        | 2019<br>(9)        | 2020*<br>(10)      |
|---------------------------------------------------------------|------------------------------------|-----------------|-----------------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|
| 1                                                             | Motor-cycles, scooters & mopeds    | 83,930          | 3,46,826        | 16,96,157        | 44,09,906        | 1,20,60,990        | 2,36,26,074        | 2,55,66,134        | 2,72,48,417        |
| 2                                                             | Motor cars, Jeeps & Station wagons | 1,22,508        | 2,24,752        | 4,23,505         | 9,01,278         | 23,82,789          | 45,37,184          | 48,57,203          | 51,56,660          |
| 3                                                             | Taxi cabs                          | 17,806          | 31,302          | 43,168           | 86,438           | 1,82,676           | 3,26,920           | 3,43,402           | 3,66,309           |
| 4                                                             | Auto rickshaws                     | 3,049           | 29,474          | 1,26,049         | 4,07,660         | 6,44,037           | 8,09,301           | 9,51,222           | 10,34,488          |
| 5                                                             | Stage carriages                    | 10,250          | 13,789          | 18,203           | 27,286           | 34,061             | 37,079             | 37,533             | 37,586             |
| 6                                                             | Contract carriages                 | --              | 1,498           | 3,980            | 13,975           | 31,459             | 59,392             | 64,102             | 72,794             |
| 7                                                             | Lorries—                           |                 |                 |                  |                  |                    |                    |                    |                    |
|                                                               | (i) Diesel engine                  | 34,987          | 87,079          | 1,80,883         | 3,41,344         | 8,78,239           | 15,11,091          | 16,30,295          | 17,50,680          |
|                                                               | (ii) Petrol engine                 | 21,791          | 18,005          | 13,774           | 57,317           | 77,189             | 11,008             | 11,570             | 11,831             |
|                                                               | (iii) Others (CNG, LPG, etc.)      | --              | --              | --               | NA               | NA                 | 70,423             | 75,301             | 76,948             |
|                                                               | (iv) Electric                      | --              | --              | --               | --               | --                 | 102                | 299                | 309                |
| 8                                                             | Ambulances                         | 441             | 925             | 2,233            | 4,025            | 9,600              | 15,096             | 15,848             | 16,534             |
| 9                                                             | School buses                       | 491             | 594             | 1,025            | 1,714            | 6,117              | 26,527             | 29,264             | 29,539             |
| 10                                                            | Private service vehicles           | 810             | 2,171           | 4,622            | 5,815            | 9,421              | 11,986             | 12,546             | 12,725             |
| 11                                                            | Trailers                           | 7,075           | 23,173          | 60,858           | 1,67,856         | 2,84,696           | 3,99,151           | 4,10,610           | 4,21,318           |
| 12                                                            | Tractors                           | 7,821           | 24,079          | 61,088           | 1,72,578         | 3,58,556           | 6,96,236           | 7,54,598           | 8,09,177           |
| 13                                                            | Others                             | 810             | 1,319           | 5,040            | 9,872            | 29,829             | 60,147             | 67,585             | 76,551             |
| <b>Total</b>                                                  |                                    | <b>3,11,769</b> | <b>8,04,986</b> | <b>26,40,585</b> | <b>66,07,064</b> | <b>1,69,89,659</b> | <b>3,21,97,717</b> | <b>3,48,27,511</b> | <b>3,71,21,866</b> |
| Motor vehicles per lakh of population                         |                                    | 618             | 1,309           | 3,353            | 7,186            | 15,119             | 25,999             | 28,788             | 30,398             |
| Number of vehicles per km. road length maintained by PWD & ZP |                                    | 5               | 6               | 15               | 31               | 71                 | 97                 | 115                | 123                |
| Ambulances per lakh of population                             |                                    | 0.9             | 1.5             | 2.8              | 4.4              | 8.5                | 11                 | 13                 | 14                 |

Source - Office of the Transport Commissioner, GoM

NA Not Available

\* Provisional







## 10 Social Sector





## 10. SOCIAL SECTOR

10.1 Social sector is one of the important components of the economic development. It comprises of education, public health, women & child welfare, employment & poverty, housing, environment conservation, water supply & sanitation, social justice and other social services. The process of economic development is aimed to distribute benefits and opportunities evenly between all sections of the society.

### EDUCATION

10.2 Education is a key instrument for social transformation and economic development. 'Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all' is one of the Sustainable Development Goals. Government is taking initiatives for providing quality education for all.

#### Primary education

10.3 Educational programmes, especially for primary education, are executed through the State Government and local bodies. During 2018-19, expenditure incurred on primary education by the State Government was ₹ 20,997 crore. Some important indicators of primary (Std I to VIII) education are given in Table 10.1 and region wise details are given in Annexure 10.1.

**Table 10.1 Some important indicators of primary (Std I to VIII) education**

(As on 30<sup>th</sup> September)

| Indicator                                                                              | 2016-17  | 2017-18  | 2018-19  |
|----------------------------------------------------------------------------------------|----------|----------|----------|
| No. of schools imparting primary education reported under U-DISE                       | 1,04,971 | 1,06,546 | 1,06,237 |
| Percentage of schools in rural areas                                                   | 78.1     | 77.6     | 77.2     |
| Density of schools/ divisions per 10 sq km                                             |          |          |          |
| (a) Primary                                                                            | 3.2      | 3.2      | 3.2      |
| (b) Upper primary                                                                      | 1.7      | 1.7      | 1.8      |
| Primary schools/ divisions per thousand children population (6 to 11 years age)        | 9.7      | 9.9      | 10.0     |
| Upper primary schools/ divisions per thousand children population (11 to 14 years age) | 8.6      | 9.0      | 9.4      |
| Percentage share of private un aided schools to total schools                          | 20.6     | 21.1     | 21.5     |
| Enrolment in schools (lakh)                                                            | 159.9    | 159.1    | 157.4    |
| Percentage of girls enrolment                                                          | 46.9     | 46.8     | 46.9     |
| Gross Enrolment Ratio                                                                  |          |          |          |
| (a) Primary                                                                            | 100.0    | 100.1    | 99.2     |
| (b) Upper primary                                                                      | 59.5     | 59.0     | 58.3     |
| Average Student - Class room ratio (all schools)                                       | 31       | 31       | 30       |
| No. of teachers (lakh)                                                                 | 5.2      | 5.4      | 5.2      |
| Pupil-teacher ratio                                                                    | 30:1     | 29:1     | 30:1     |
| <b>Percentage of schools having facilities of</b>                                      |          |          |          |
| Drinking water                                                                         | 99.6     | 98.8     | 98.8     |
| Boundary wall                                                                          | 82.8     | 83.4     | 82.6     |
| Functional girls toilet                                                                | 99.0     | 98.8     | 95.9     |
| Computers                                                                              | 62.9     | 68.2     | 58.9     |
| Ramp                                                                                   | 85.2     | 87.1     | 89.5     |
| Playground                                                                             | 87.3     | 87.6     | 85.1     |
| Library                                                                                | 95.7     | 95.0     | 81.2     |
| Electricity connection                                                                 | 94.0     | 94.7     | 94.3     |
| Dropout rate                                                                           |          |          |          |
| (a) Primary                                                                            | 0.70     | 0.21     | 1.09     |
| (b) Upper primary                                                                      | 1.06     | 1.56     | 2.15     |
| Gender Parity Index                                                                    |          |          |          |
| (a) Primary                                                                            | 0.89     | 0.87     | 0.89     |
| (b) Upper primary                                                                      | 0.87     | 0.88     | 0.88     |

Note : Upper Primary (Std VI to VIII)

U-DISE Unified District Information System for Education

Source : 1) Directorate of Primary Education, GoM

2) Maharashtra Prathamik Shikshan Parishad

## The Right of Children to Free and Compulsory Education (RTE) Act, 2009

10.4 The Right of Children to Free and Compulsory Education (RTE) Act, 2009 is being implemented in the State from April, 2010. RTE provides the right of children to free and compulsory education till completion of elementary education in a neighbourhood school. The act ensures that no child is liable to pay any kind of fee or charges or expenses which may prevent him or her from pursuing and completing elementary education. Under this act 25 per cent of intake capacity is reserved in self financed private schools (excluding minority schools) and admission as well as free education is provided for children of economically backward and deprived class from pre primary to VIII standard. During 2019-20, total 78,743 students received admission under RTE. In all 3,91,336 students received admission upto 2019-20 under RTE since inception of the act.

10.4.1 Under RTE, efforts are being made to bring every out of school child between age group 6 to 14 years in educational stream. During 2018-19, efforts were made to mainstream 42,768 out of school children. Of this, special training was imparted to 30,074 students. During 2019-20, efforts were made to mainstream 35,304 out of school children. Of this, special training was imparted to 22,337 students.

## Secondary and higher secondary education

10.5 During 2018-19, there were 27,446 secondary & higher secondary educational institutes in the State with 66.07 lakh enrolment. During 2018-19, expenditure incurred on secondary & higher secondary education by the State Government was ₹ 17,585 crore. Some important indicators of secondary and higher secondary (Std. IX to XII) education are given in Table 10.2.

**Table 10.2 Some important indicators of secondary and higher secondary education**

| (As on 30 <sup>th</sup> September)                                                         |         |         |         |
|--------------------------------------------------------------------------------------------|---------|---------|---------|
| Indicator                                                                                  | 2016-17 | 2017-18 | 2018-19 |
| Number of schools imparting secondary and higher secondary education reported under U-DISE | 25,529  | 26,857  | 27,446  |
| Percentage of schools in rural areas                                                       | 63.0    | 62.5    | 62.4    |
| Density of schools/ divisions per 10 sq. km                                                |         |         |         |
| (a) Secondary                                                                              | 0.8     | 0.8     | 0.8     |
| (b) Higher secondary                                                                       | 0.3     | 0.3     | 0.3     |
| Percentage share of private un aided schools to total schools                              | 28.4    | 32.6    | 33.3    |
| Enrolment in schools (lakh)                                                                | 66.1    | 66.5    | 66.1    |
| Percentage of girls enrolment                                                              | 45.6    | 45.8    | 46.0    |
| Gross Enrolment Ratio                                                                      |         |         |         |
| (a) Secondary                                                                              | 91.7    | 92.7    | 91.5    |
| (b) Higher secondary                                                                       | 69.8    | 71.2    | 71.4    |
| Average Student - Class room ratio (all schools)                                           | 51      | 55      | 47      |
| Number of teachers (lakh)                                                                  | 2.10    | 2.10    | 2.43    |
| Pupil Teacher Ratio                                                                        | 31 :1   | 31:1    | 27:1    |
| <b>Percentage of schools having facilities of</b>                                          |         |         |         |
| Drinking water                                                                             | 99.9    | 97.4    | 99.7    |
| Boundary wall                                                                              | 87.6    | 91.4    | 93.1    |
| Functional girls toilet                                                                    | 99.5    | 98.2    | 97.7    |
| Ramp                                                                                       | 75.0    | 76.9    | 82.5    |
| Playground                                                                                 | 97.0    | 95.5    | 94.7    |
| Library                                                                                    | 98.3    | 96.8    | 90.2    |
| Electricity connection                                                                     | 97.1    | 97.3    | 98.4    |
| Computers                                                                                  | 95.0    | 95.1    | 80.0    |
| Computer & internet                                                                        | 64.9    | 66.3    | 70.8    |
| Dropout rate                                                                               |         |         |         |
| (a) Secondary                                                                              | 7.2     | 6.6     | 8.8     |
| (b) Higher secondary                                                                       | 2.4     | 2.9     | 4.8     |
| Gender Parity Index                                                                        |         |         |         |
| (a) Secondary                                                                              | 0.95    | 0.98    | 1.00    |
| (b) Higher secondary                                                                       | 0.97    | 0.96    | 0.96    |

Source : 1) Directorate of Primary Education, GoM

2) Maharashtra Prathamik Shikshan Parishad



## Self Financed Scool

10.6 Act for establishment of self financed schools and upgradation of existing schools came into existence in January, 2013. Boardwise and medium of instructionwise information of self financed recognised schools is given in Table 10.3.

**Table 10.3 Boardwise and medium of instruction wise number of self financed schools**

| Year | Board       |      |               |       | Medium  |         |            |
|------|-------------|------|---------------|-------|---------|---------|------------|
|      | State Board | CBSE | ICSE/IGCSE/IB | Total | Marathi | English | Urdu/Hindi |
| 2018 | 912         | 173  | 22            | 1,107 | 138     | 942     | 27         |
| 2019 | 1,048       | 203  | 26            | 1,277 | 200     | 1,056   | 21         |

CBSE Central Board of Secondary Education

ICSE Indian Certificate of Secondary Education

IGCSE International General Certificate of Secondary Education

IB International Baccalaureate

Source : School Education and Sport Department, GoM

## Samagra Shiksha

10.7 *Samagra Shiksha* is being implemented in the State from 2018-19. Under this programme three schemes, viz. *Sarva Shiksha Abhiyan* (SSA), *Rashtriya Madhyamik Shiksha Abhiyan* (RMSA) and *Teacher Education* (TE) are subsumed to ensure inclusive and equitable quality education from pre-school to senior secondary stage as envisaged in one of the Sustainable Development Goals. The main objectives of *Samagra Shiksha* are as follows

- To provide quality education and enhancing learning outcomes of students
- To bridge Social and Gender Gaps in School Education
- To ensure equity and inclusion at all levels of school education
- To ensure minimum standards in schooling provisions
- To promote Vocationalisation of education
- To implement Right of Children to Free and Compulsory Education (RTE) Act, 2009
- To strengthen and up-grade State councils of education research and training/State Institutes of Education and District Institute of Education and Training (DIET) as a nodal agencies for teacher training

**Table 10.4 Grants sanctioned and expenditure incurred under Samagra Shiksha**

(₹ Crore)

| Year                 | Amount sanctioned | Expenditure incurred |
|----------------------|-------------------|----------------------|
| 2018-19              | 1,854.54          | 1,354.06             |
| 2019-20 <sup>+</sup> | 2,226.56          | 557.67               |

+ upto December

Source : Maharashtra Prathamik Shikshan Parishad

Details of grants sanctioned and expenditure incurred under *Samagra Shiksha* is given in Table 10.4.

## Inclusive Education for Divyang

10.8 'Inclusive Education for *Divyang*' programme is being implemented in the State to ensure quality education to Children With Special Needs (CWSN) in a normal set up with a normal peer group for their emotional progress and their social integration. The programme includes identification and medical assessment of CWSN, providing rehabilitation and educational support services such as Braille books, spectacles, hearing aids & appliances, speech trainer, etc. The progress of Inclusive Education of *Divyang* Programme is given in Table 10.5.

**Table 10.5 Progress of Inclusive Education for Divyang programme**

| Level of education    | 2017-18                 |                                      | 2018-19                 |                                      | 2019-20                 |                                                   |
|-----------------------|-------------------------|--------------------------------------|-------------------------|--------------------------------------|-------------------------|---------------------------------------------------|
|                       | Beneficiaries<br>(Lakh) | Expenditure<br>incurred<br>(₹ Crore) | Beneficiaries<br>(Lakh) | Expenditure<br>incurred<br>(₹ Crore) | Beneficiaries<br>(Lakh) | Expenditure<br>incurred <sup>+</sup><br>(₹ Crore) |
| Primary (I to VIII)   | 2.27                    | 59.31                                | 2.52                    | 87.32                                | 2.52                    | 38.66                                             |
| Secondary (IX to XII) | - <sup>\$</sup>         | - <sup>\$</sup>                      | 0.38                    | 4.49                                 | 0.38                    | 1.72                                              |

Source : Maharashtra Prathamik Shikshan Parishad

\$ Grants not received from GOI &amp; GOM

+ upto December

**Pragat Shaikshanik Maharashtra Programme**

10.9 To enhance the quality of education for school going children, GoM launched 'Pragat Shaikshanik Maharashtra Programme' in 2015-16. Under the programme, special action plan has been made to identify the basic capabilities of students to ensure age/gradewise expected educational capability in all students so that no child should be below standard level. To achieve the goal of 'Pragat Shaikshanik Maharashtra Programme', Government is providing need based and demand-driven trainings to teachers. The Government is encouraging corporate companies to invest Corporate Social Responsibility (CSR) fund in the school system to improve educational facilities in the State and 4,816 schools were benefitted in the year 2018-19. Progress of 'Pragat Shaikshanik Maharashtra Programme' is given in Table 10.6.

**Table 10.6 Progress of Pragat Shaikshanik Maharashtra Programme**

| Particulars                                               | (no.)    |          |          |
|-----------------------------------------------------------|----------|----------|----------|
|                                                           | 2016-17  | 2017-18  | 2018-19  |
| Pragat schools                                            | 24,687   | 47,973   | 53,456   |
| Digital schools                                           | 27,686   | 63,458   | 64,978   |
| Activity based learning schools                           | 13,448   | 15,452   | 18,217   |
| ISO certified schools                                     | 2,646    | 3,325    | 6,456    |
| Schools using constructivism                              | 63,595   | 67,758   | 69,437   |
| Teachers received need based and demand-driven training   | 3,37,348 | 5,07,440 | 5,18,714 |
| Average achievement of students in language (per cent)    | 77.13    | 74.33    | 74.01    |
| Average achievement of students in mathematics (per cent) | 77.05    | 74.33    | 73.04    |

Source : Maharashtra State Council of Educational Research and Training

**Mid Day Meal Scheme**

10.10 With a view to enhance enrolment & attendance and simultaneously improving nutritional levels among children studying in primary schools, GoI launched the 'Mid Day Meal Scheme', under which cooked meal is provided to the children. Progress of Mid Day Meal Scheme is given in Table 10.7.

**Table 10.7 Progress of Mid Day Meal Scheme**

| Class      | Calorie<br>Norm<br>(cal) | Protein<br>Norm<br>(gm) | 2017-18                 |                                      | 2018-19                 |                                      | 2019-20 <sup>+</sup>    |                                      |
|------------|--------------------------|-------------------------|-------------------------|--------------------------------------|-------------------------|--------------------------------------|-------------------------|--------------------------------------|
|            |                          |                         | Beneficiaries<br>(lakh) | Expenditure<br>incurred<br>(₹ Crore) | Beneficiaries<br>(lakh) | Expenditure<br>incurred<br>(₹ Crore) | Beneficiaries<br>(lakh) | Expenditure<br>incurred<br>(₹ Crore) |
| I to V     | 450                      | 12                      | 57.51                   | 747                                  | 56.99                   | 938                                  | 64.99                   | 546                                  |
| VI to VIII | 700                      | 20                      | 36.59                   | 585                                  | 36.34                   | 628                                  | 42.89                   | 340                                  |

Source : Directorate of Primary Education, GoM

+ upto December

**Schemes to encourage education**

10.11 To encourage children to participate in education and to ease the financial burden of parents, the GoM is providing concessions through various schemes to the students. Progress of selected schemes to encourage education is given in Table 10.8.

**Table 10.8 Progress of selected schemes to encourage education**

| Scheme                                                                                         | 2017-18                 |                                      | 2018-19                 |                                      | 2019-20                           |                                      |
|------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------|-------------------------|--------------------------------------|-----------------------------------|--------------------------------------|
|                                                                                                | Beneficiaries<br>(lakh) | Expenditure<br>incurred<br>(₹ Crore) | Beneficiaries<br>(lakh) | Expenditure<br>incurred<br>(₹ Crore) | Target<br>Beneficiaries<br>(lakh) | Expenditure<br>incurred<br>(₹ Crore) |
| Providing free uniform and writing material to poor children of Standard I to IV               | 1.35                    | 1.08                                 | 1.10                    | 0.88                                 | 4.25                              | 3.40                                 |
| Fee concession to students of Standard I to X studying in government aided and unaided schools | 26.28                   | 3.94                                 | 26.34                   | 3.72                                 | 52.68                             | 10.67                                |
| Free education to economically backward students (Boys) of Standard XI & XII                   | 1.70                    | 1.60                                 | 1.36                    | 1.28                                 | 1.95                              | 1.70                                 |
| Stipend to tribal students                                                                     | 0.02                    | 0.07                                 | 0.01                    | 0.03                                 | 0.02                              | 0.10                                 |

Source : Directorate of Primary Education, GoM

### Schemes to encourage Girls education

10.12 Government is implementing various schemes to promote girls education. Progress of selected schemes is given in Table 10.9.

**Table 10.9 Progress of selected schemes for girls education**

| Scheme                                       | 2017-18                 |                                      | 2018-19                 |                                      | 2019-20                           |                                         |
|----------------------------------------------|-------------------------|--------------------------------------|-------------------------|--------------------------------------|-----------------------------------|-----------------------------------------|
|                                              | Beneficiaries<br>(lakh) | Expenditure<br>incurred<br>(₹ Crore) | Beneficiaries<br>(lakh) | Expenditure<br>incurred<br>(₹ Crore) | Target<br>Beneficiaries<br>(lakh) | Anticipated<br>Expenditure<br>(₹ Crore) |
| Attendance allowance scheme                  | 1.47                    | 3.24                                 | 1.47                    | 3.24                                 | 1.84                              | 4.06                                    |
| Ahilyabai Holkar scheme                      | 16.24                   | 61.81                                | 19.61                   | 96.81                                | 20.59                             | 101.65                                  |
| Free education to girls studying in XI & XII | 2.84                    | 2.13                                 | 2.44                    | 1.83                                 | 3.49                              | 2.51                                    |
| Kasturba Gandhi Balika Vidyalaya             | 0.04                    | 20.53                                | 0.04                    | 18.70                                | 0.04                              | 10.18 <sup>+</sup>                      |

Source : 1) Directorate of Primary Education, GoM

2) Maharashtra Prathamik Shikshan Parishad

+ upto December

### Literacy rate

10.13 As per National Sample Survey on 'Household Social Consumption: Education' conducted by National Sample Survey Office during July, 2017 to June, 2018, the literacy rate in the State was 79.4 per cent in rural and 91.7 per cent in urban areas. The female literacy rate in the rural areas was 71.4 per cent and 87.6 per cent in urban areas, whereas the male literacy rate in rural and urban areas was 87.0 per cent and 95.3 per cent respectively.

### Sainiki schools

10.14 There are 42 *Sainiki* schools in the State, of which four schools are exclusively for girls, four are for co-education and 34 schools are exclusively for boys. Out of these 38 *Sainiki* schools are aided, in which 21,209 students are enrolled during 2019 - 20.

### Sports education

10.15 The State Government has established '*Shiv Chhatrapati Kridapeeth*' in Pune with the motive of promoting sports and develop excellence by upgrading the skills of sports persons. The State level accredited players or players participating in authorised national sports competition are admitted through direct entry or selected players through skill tests conducted for players

participating at State level are admitted in the *Kridapeeth*. Training of eight to 10 years in 14 sports is provided to the selected players in *Kridapeeth*. There are nine sports academies under the *Kridapeeth*. So far, 30 students from these academies were awarded *Shiv Chhatrapati* Sports Award of State and 80 players had represented the nation in international competitions. The State spends on an average ₹ 9,000 per trainee per month. For 2019-20, in all 526 trainees are selected. Medals received by students of sports academies are given in Table 10.10.

**Table 10.10 Medals received by students of sports academies**

| Year    | No. of trainees | International level medals |        |        |       | National level medals |        |        |       | State level medals |        |        |       |
|---------|-----------------|----------------------------|--------|--------|-------|-----------------------|--------|--------|-------|--------------------|--------|--------|-------|
|         |                 | Gold                       | Silver | Bronze | Total | Gold                  | Silver | Bronze | Total | Gold               | Silver | Bronze | Total |
| 2016-17 | 607             | 11                         | 2      | 9      | 22    | 28                    | 22     | 31     | 81    | 100                | 76     | 75     | 251   |
| 2017-18 | 561             | 2                          | 2      | 1      | 5     | 33                    | 33     | 31     | 97    | 142                | 109    | 63     | 314   |
| 2018-19 | 545             | 1                          | 3      | 3      | 7     | 38                    | 38     | 32     | 108   | 148                | 103    | 82     | 333   |

Source : Directorate of Sports and Youth Services, GoM

## Higher & Technical education

10.16 As per the report of All-India Survey of Higher Education 2018-19, there were 62 universities in the State, of which 34 were State universities (22 public, eleven private and one open), 21 were deemed universities (12 private, seven government and two government aided), six were institute of national importance and one central university. Higher education statistics based on All-India Survey on Higher Education (AISHE) in the State is given in Table 10.11. Details of streamwise institutions, their intake capacity and number of students admitted in first year of the course for the year 2018-19 are given in Annexure 10.2 to Annexure 10.5.

**Table 10.11 Higher education statistics in the State based on AISHE**

(As on 30<sup>th</sup> September)

| Indicator                                            |                       | 2016-17 | 2017-18 | 2018-19 |
|------------------------------------------------------|-----------------------|---------|---------|---------|
| Number of Universities                               |                       | 49      | 54      | 62      |
| Number of Colleges                                   |                       | 4,286   | 4,314   | 4,571   |
| Number of Standalone Institutions                    |                       | 1,959   | 1,950   | 2,262   |
| Enrolment in Higher education (lakh)                 | All                   | 40.16   | 41.31   | 42.30   |
|                                                      | Percentage of females | 44.2    | 45.0    | 45.1    |
| Enrolment in Universities & Constituent Units (lakh) | All                   | 9.40    | 9.43    | 9.43    |
|                                                      | Percentage of females | 40.2    | 39.6    | 39.4    |
| Gross enrolment ratio<br>(18-23 years of age)        | All categories        | 30.2    | 31.1    | 32.0    |
|                                                      | SC                    | 30.1    | 30.6    | 31.2    |
|                                                      | ST                    | 14.8    | 15.1    | 15.2    |
| Gender Parity Index<br>(18-23 years of age)          | All categories        | 0.88    | 0.91    | 0.90    |
|                                                      | SC                    | 0.88    | 0.91    | 0.95    |
|                                                      | ST                    | 0.65    | 0.70    | 0.75    |
| Number of teachers (lakh)                            | All                   | 1.51    | 1.52    | 1.58    |
| Pupil teacher ratio                                  | All Institutions      | 27      | 27      | 27      |

Source : All-India Survey of Higher Education 2018-19, GoI

## Self-financed Universities

10.17 The economic reforms being undertaken by the GoI have prompted the change in the policy making and involving the private sector in the infrastructure development related to the higher education. Accordingly, the GoM has encouraged private participation to enhance access, excellence, inclusion and research in the field of higher education by creating best in class infrastructure facilities in the State. Government has approved 20 self financed universities in the State.



## ***Rashtriya Uchchatar Shiksha Abhiyan***

10.18 *Rashtriya Uchchatar Shiksha Abhiyan* (RUSA) is a centrally sponsored scheme, launched in 2013 which aims to provide access, equity and excellence in the higher education system. It also aims in creating efficiency, transparency, responsibility and positive outcome in higher education system. Upto 2019-20, total grants of ₹ 259.47 crore were released to Universities/ Colleges/ Institutions and an expenditure of ₹ 172.01 crore was incurred. Under 'Enhancing Quality & Excellence' component of the Abhiyan, Savitribai Phule Pune University has been sanctioned the grant of ₹ 100 crore and 25 Autonomous Colleges have been supported with the grants of ₹ five crore each.

## **Cluster University**

10.19 The State government has established two cluster universities in the State. In these universities Choice Based Credit System programme is available. Details of these universities are given in Table 10.12.

**Table 10.12 Cluster Universities in Maharashtra**

| Name                                                     | Comprising Colleges                                                                                                                              |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Dr. Homi Bhabha Cluster University, Mumbai               | Institute of Science , Mumbai<br>Sydenham College, Mumbai<br>Elphinstone College, Mumbai<br>Government B.Ed. College, Mumbai                     |
| Hyderabad (Sindh) National Collegiate University, Mumbai | Hassaram Rijumal College of Commerce and Economics, Mumbai<br>Kishinchand Chellaram College, Mumbai<br>Bombay Teacher's Training College, Mumbai |

Source : Higher and Technical Education Department, GoM

## ***Rajarshi Chatrapati Shahu Maharaj* tuition fee scholarship scheme**

10.20 *Rajarshi Chatrapati Shahu Maharaj* tuition fee scholarship scheme is being implemented in the State to provide scholarship to students (having annual family income upto ₹ eight lakh) belonging to economically backward class category. The scheme includes 605 professional & non-professional courses being offered by various universities and colleges in the State. The progress of the scheme is given in Table 10.13.

**Table 10.13 Progress of *Rajarshi Chatrapati Shahu Maharaj* tuition fees scholarship scheme**

| Stream                                          | Year                 | Number of Beneficiaries | Expenditure incurred (₹ Crore) |
|-------------------------------------------------|----------------------|-------------------------|--------------------------------|
| Higher Education                                | 2017-18              | 72,238                  | 33.92                          |
|                                                 | 2018-19              | 1,63,406                | 80.08                          |
|                                                 | 2019-20 <sup>+</sup> | 36,795                  | 11.68                          |
| Technical Education                             | 2017-18              | 1,54,777                | 495.93                         |
|                                                 | 2018-19              | 1,78,411                | 579.32                         |
|                                                 | 2019-20              | 1,84,580                | 609.12 <sup>@</sup>            |
| Medical Education & Research                    | 2017-18              | 9,661                   | 59.81                          |
|                                                 | 2018-19              | 8,455                   | 49.07                          |
|                                                 | 2019-20 <sup>+</sup> | 6,356                   | 50.65                          |
| Agriculture                                     | 2016-17              | 16,264                  | 34.15                          |
|                                                 | 2017-18              | NA                      | NA                             |
|                                                 | 2018-19              | NA                      | NA                             |
| Animal Husbandry, Dairy Development & Fisheries | 2017-18              | 224                     | 0.34                           |
|                                                 | 2018-19              | 305                     | 0.39                           |
|                                                 | 2019-20              | 454                     | 0.79                           |

@ amount required

NA Not Available

+ upto November

Source : 1) Directorate of Higher Education, GoM

2) Higher & Technical Education Department, GoM

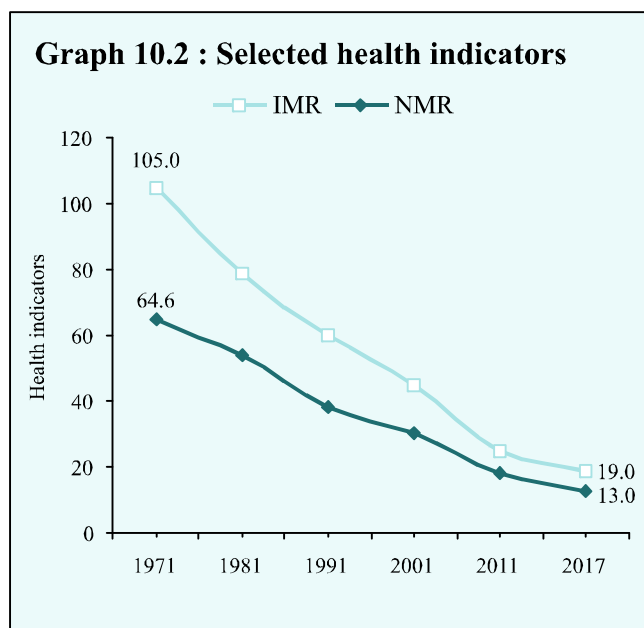
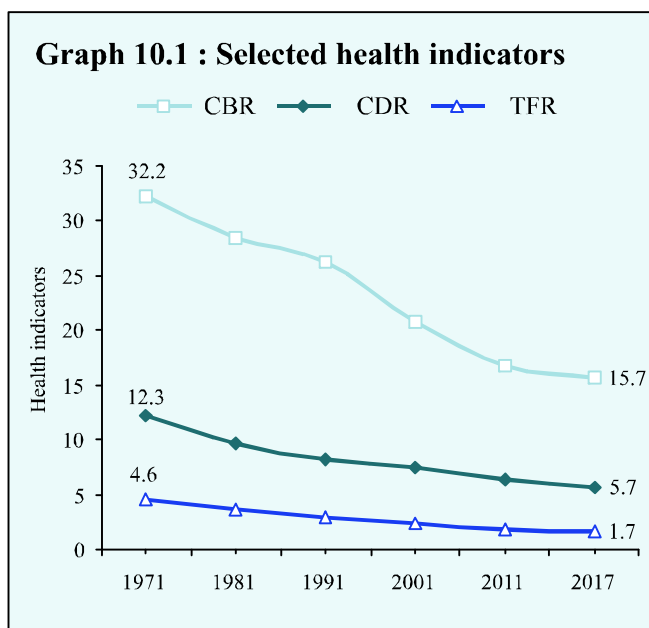
3) Directorate of Medical Education & Research, GoM

4) Maharashtra Council of Agricultural Education & Research

5) Maharashtra Animal & Fishery Science University

## PUBLIC HEALTH

10.21 Public health services refer to organised measures taken by the Government to prevent diseases, promote healthy and prolonged life of people. The Government has taken initiatives by way of formulating and implementing various healthcare schemes and programmes. 'Ensure healthy lives and promote well-being for all at all ages' is one of the Sustainable Development Goals (SDGs). The State has already achieved some of the targets set under SDGs related to health and sustained efforts are being made by the Government to maintain and improve the health indicators.



10.22 The State has three-tier health infrastructure to provide comprehensive health services. The primary tier comprises of Sub-centres, Primary Health Centres (PHC) and Community Health Centres (CHC). The sub-district hospitals and district hospitals constitute secondary tier whereas, well equipped hospitals attached to medical colleges and super-speciality hospitals are at tertiary level. The health infrastructure of the State Government is given in Table 10.14 and its series is given in Annexure 10.6.

10.23 Sub-centres provide health services with counselling for maternal & child health care, family welfare, nutrition, immunisation, control of diarrhoea and communicable diseases. Facilities available at PHC are outdoor patients department (OPD), six beds indoor ward, emergency services, operative & laboratory facilities and medicines. Treatment to patients referred by sub-centres and family planning services are also provided. Community health centres, sub-district hospitals and district hospitals provide round the clock emergency health services.

**Table 10.14 Health infrastructure of the State Government**

(As on 31<sup>st</sup> December, 2019)

| Type of Institution               | No.    |
|-----------------------------------|--------|
| Sub-centres                       | 10,668 |
| Primary Health Centres            | 1,828  |
| Community Health Centres          | 364    |
| Primary Health Units              | 193    |
| Mobile Medical Units              | 40     |
| Sub-district Hospitals            | 91     |
| District Hospitals                | 23     |
| Hospitals having Medical Colleges | 18     |
| General Hospitals                 | 8      |
| Women Hospitals                   | 13     |
| Mental Hospitals                  | 4      |
| Leprosy Hospitals                 | 4      |
| TB Hospitals                      | 4      |
| Other Hospitals (Orthopedic)      | 1      |
| Regional Referral Hospitals       | 2      |

Source: Directorate of Health Services, GoM

10.24 As per government norms, a sub-centre is to be set up for a population of 3,000 in tribal areas & for a population of 5,000 in non-tribal rural areas and a PHC is to be set up for a population of 20,000 in tribal & for a population of 30,000 in non-tribal rural areas. Similarly, a Community Health Centre is to be set up as referral centre for every four to five PHC covering a population of 80,000 to 1.2 lakh. At present there are 2,057 Sub-centres, 315 PHC and 67 CHC in tribal areas of the State. The number of Sub-centres, PHC and CHC functioning along with average rural population covered in selected states are given in Table 10.15.

**Table 10.15 Number of Sub-centres, PHC and CHC functioning and average rural population covered (as per census 2011) in selected states**

(As on 31<sup>st</sup> March, 2018)

| State              | Sub-centres     |                                           | PHC           |                                    | CHC          |                                    |
|--------------------|-----------------|-------------------------------------------|---------------|------------------------------------|--------------|------------------------------------|
|                    | Number          | Average population covered per sub-centre | Number        | Average population covered per PHC | Number       | Average population covered per CHC |
| Andhra Pradesh     | 7,458           | 4,663                                     | 1,147         | 30,319                             | 193          | 1,80,189                           |
| Gujarat            | 9,153           | 3,791                                     | 1,474         | 23,538                             | 363          | 95,577                             |
| Karnataka          | 9,443           | 3,968                                     | 2,359         | 15,884                             | 206          | 1,81,890                           |
| Kerala             | 5,380           | 3,247                                     | 849           | 20,578                             | 227          | 76,965                             |
| Madhya Pradesh     | 11,192          | 4,696                                     | 1,171         | 44,882                             | 309          | 1,70,089                           |
| <b>Maharashtra</b> | <b>10,638</b>   | <b>5,786</b>                              | <b>1,823</b>  | <b>33,766</b>                      | <b>361</b>   | <b>1,70,515</b>                    |
| Rajasthan          | 14,405          | 3,575                                     | 2,078         | 24,784                             | 588          | 87,586                             |
| Telangana          | 4,744           | 4,550                                     | 643           | 33,570                             | 91           | 2,37,201                           |
| Uttar Pradesh      | 20,521          | 7,569                                     | 3,621         | 42,893                             | 822          | 1,88,950                           |
| West Bengal        | 10,357          | 6,004                                     | 902           | 68,109                             | 348          | 1,78,687                           |
| <b>All-India</b>   | <b>1,58,417</b> | <b>5,263</b>                              | <b>25,731</b> | <b>32,387</b>                      | <b>5,624</b> | <b>1,48,248</b>                    |

Source : NRHM, GoI

## Doctor population ratio

10.25 After getting the degree, the allopathy medical practitioners in the State have to register to Maharashtra Medical Council, Mumbai and renew their licence every five years. Upto December, 2019 in all 1,56,071 (of which 69,122 are post graduate) allopathy doctors have registered and 99,522 doctors have renewed their licences. Based on the data of registered medical practitioners who have renewed their licences, estimated doctor population ratio in the State is 1:1,237.

## National Health Mission

10.26 The National Health Mission (NHM), which encompasses National Rural Health Mission (NRHM) and National Urban Health Mission (NUHM), aims to provide universal access to health care by strengthening health systems, institutions and human resource capabilities. The main components of the mission include health system strengthening in rural and urban areas, control of communicable and non-communicable diseases and reproductive, maternal, neo-natal, child and adolescent health.

### National Rural Health Mission

10.26.1 The National Rural Health Mission (NRHM) was launched in April, 2005 to provide accessible, affordable and quality health care to the rural population, especially poor and vulnerable sections. NRHM further aims to provide overarching umbrella to the existing programmes of health and family welfare including Reproduction and Child Health Programme-II, malaria, blindness, iodine deficiency, filaria, tuberculosis, leprosy and for integrated disease surveillance. NRHM attempts to make effective integrations of health determinants like sanitation & hygiene, nutrition and safe drinking water.

10.26.1.1 Under NRHM, 40 Mobile Medical Units are operating to provide health care services for population living in remote and inaccessible areas of the State. These Mobile Medical Units are being run by NGO/ *Rugna Kalyan Samiti* to provide Medical Services on day to day basis. Every Mobile Medical Unit consists of doctor, nurse, radiologist, lab attendant, pharmacist, helper and driver one each. Telemedicine technology is available at 23 District Hospitals, 39 Sub District Hospitals/CHC and six Medical colleges. Under NRHM, 6,360 regular cadre and 4,561 contractual Medical Officers including specialists are providing health services to 43,943 villages covering 1.45 crore population. Under the scheme, 60,852 Accredited Social Health Activist (ASHA) workers are appointed upto December, 2019. Sick Cell Disease Control Programme is implemented in 21 districts where Sick Cell Disease is more prevalent.

10.26.1.2 Under NRHM for 2018-19, project implementation plan of ₹ 2,571.97 crore was approved by GoI and an expenditure of ₹ 1,931.59 crore was incurred. For 2019-20, project implementation plan of ₹ 3,920.44 crore was approved and an expenditure incurred upto December, 2019 was ₹ 1,338.18 crore. Physical achievements under NRHM are given in Table 10.16.

**Table 10.16 Physical achievements under NRHM**

|                                       |                                       | (no.)     |           |                      |
|---------------------------------------|---------------------------------------|-----------|-----------|----------------------|
| Component                             | Particulars                           | 2017-18   | 2018-19   | 2019-20 <sup>+</sup> |
| AYUSH                                 | Patients treated                      |           |           |                      |
|                                       | Out Patient Department (OPD)          | 40,20,095 | 42,37,037 | 38,46,557            |
|                                       | In Patient Department                 | 74,466    | 87,367    | 81,792               |
| Mobile Medical Unit (MMU)             | Patients treated                      | 15,29,264 | 16,01,984 | 12,27,408            |
|                                       | RCH (ANC & PNC)                       | 1,83,701  | 2,21,016  | 1,63,912             |
|                                       | Lab test                              | 8,10,403  | 7,92,643  | 6,42,652             |
|                                       | Villages visited                      | 22,007    | 21,501    | 15,506               |
| Telemedicine                          | Patient referred and opinion received | 28,965    | 27,355    | 22,724               |
| Sickle cell disease control programme | Total test performed                  | 11,48,062 | 7,36,151  | 10,39,156            |
|                                       | Sufferers                             | 1,083     | 744       | 779                  |
|                                       | Carriers                              | 12,740    | 7,741     | 3,534                |
| Palliative Care                       | Patients treated                      | 7,351     | 9,226     | 11,999               |
| Referral transport                    | Pregnant women                        |           |           |                      |
|                                       | Institutional deliveries              | 5,66,745  | 5,58,633  | 4,00,188             |
|                                       | Home to institute                     | 4,40,605  | 4,38,522  | 3,58,112             |
|                                       | Institute to institute                | 1,74,556  | 1,75,278  | 1,39,842             |
|                                       | Institute to home                     | 4,71,932  | 4,93,283  | 3,90,723             |
|                                       | Sick Neonates                         |           |           |                      |
|                                       | Sick Neonates                         | 1,34,836  | 86,089    | 95,109               |
|                                       | Home to institute                     | 48,215    | 40,118    | 41,502               |
|                                       | Institute to institute                | 23,414    | 20,165    | 20,332               |
|                                       | Institute to home                     | 63,538    | 51,479    | 53,607               |
| Public - Private Partnership (PPP)    |                                       |           |           |                      |
| a) Health Advice Call Centre (HACC)   | Total calls                           | 4,69,241  | 4,20,667  | 2,53,782             |
| b) Epilepsy programme                 | Camps organized                       | 9         | 11        | 8                    |
|                                       | Patients treated                      | 3,288     | 3,055     | 1,534                |
|                                       | EEG in camps                          | 429       | 379       | 269                  |
|                                       | OT/PT/speech therapy provided         | 800       | 783       | 695                  |
| c) Medical & Dental camp              | Camps organised                       | 50        | 48        | 16                   |
|                                       | Patients treated                      | 78,867    | 62,961    | 59,277               |
|                                       | Surgeries performed                   | 5,483     | 4,204     | 1,886                |
| d) <i>Mahar Ghar</i>                  | Mother beneficiary                    | 2,435     | 2,649     | 1,633                |

RCH: Reproductive and Child Health

ANC: Antenatal Care

PNC: Post Natal Care

PT: Physiotherapy

OT: Occupational Therapy

EEG: Electro Encephalo Gram

+ upto December

Source: Directorate of Health Services, GoM

## Reproductive and Child Health Programme - II

10.26.2 Reproductive and Child Health Programme (RCH) - II is being implemented to enhance child health status and population stabilisation thereby reducing Maternal Mortality Ratio (MMR), Infant Mortality Rate (IMR) and Total Fertility Rate (TFR). Under the programme, during 2018-19 an expenditure of ₹ 475.97 crore and during 2019-20 upto December, an expenditure of ₹ 241.25 crore was incurred. Selected health indicators are given in Table 10.17 and its series is given in Annexure 10.7.

**Table 10.17 Selected health indicators**

| Indicator                                      | SDG target 2030 | 2015      | 2016      | 2017      |
|------------------------------------------------|-----------------|-----------|-----------|-----------|
| Infant Mortality Rate (IMR) <sup>#</sup>       | -               | 21        | 19        | 19        |
| Neo-natal Mortality Rate (NMR) <sup>#</sup>    | < 12            | 15        | 13        | 13        |
| Under -Five Mortality Rate (U5MR) <sup>#</sup> | < 25            | 24        | 21        | 21        |
| Total Fertility Rate (TFR)                     | -               | 1.8       | 1.8       | 1.7       |
|                                                |                 | (2010-12) | (2014-16) | (2015-17) |
| Maternal Mortality Ratio (MMR) <sup>@</sup>    | < 70            | 87        | 61        | 55        |

Source: Sample Registration System, ORGI

# per 1,000 live births

@ per 1,00,000 live births

### Navsanjivani Yojana

10.26.2.1 *Navsanjivani Yojana* (NSY) is being implemented to reduce MMR and IMR in tribal areas of 16 districts covering 8,419 villages. Under NSY, 281 Mobile Medical Squads are formed each having one medical officer with para medical staff and a vehicle. These squads visit every village and hamlet to identify malnourished & sick children for providing health services at their homes. As and when required children are shifted to the nearest health centres. Various schemes viz. *Matrutva Anudan Yojana*, *Dai* meetings, pre monsoon activities, provision of food & compensation for loss of wages, etc. are being implemented under NSY.

### Matrutva Anudan Yojana

10.26.2.1.1 *Matrutva Anudan Yojana* is being implemented under NSY to provide health services like antenatal care registration, regular health check-up and required medicines to pregnant women in tribal areas. Under the scheme, an amount of ₹ 400 is given in cash for visiting health centre for antenatal check-up and medicines worth ₹ 400 are provided free of cost. Progress of *Matrutva Anudan Yojana* is given in Table 10.18.

**Table 10.18 Progress of Matrutva Anudan Yojana**

| Year                 | Expenditure incurred (₹ Crore) | Number of beneficiaries |
|----------------------|--------------------------------|-------------------------|
| 2017-18              | 4.46                           | 71,705                  |
| 2018-19              | 4.92                           | 66,851                  |
| 2019-20 <sup>+</sup> | 0.86                           | 19,734                  |

Source: State Family Welfare Bureau, GoM + upto December

### Janani Suraksha Yojana

10.26.2.2 *Janani Suraksha Yojana* is being implemented to promote institutional deliveries in rural and urban areas to reduce infant and maternal mortality in BPL, SC and ST families. The scheme aims at lowering MMR by ensuring that all deliveries conducted by skilled birth attendants (SBA). Under the scheme, an amount of ₹ 700 per beneficiary in rural areas and ₹ 600 per beneficiary in urban areas is given within seven days after delivery in the institutions. For delivery at home by SBA, ₹ 500 is given to the beneficiary in rural as well as urban areas. For the delivery by caesarean, upto ₹ 1,500 is given to the beneficiary as reimbursement of the expenditure incurred. Progress of *Janani Suraksha Yojana* is given in Table 10.19.

**Table 10.19 Progress of Janani Suraksha Yojana**

| Year                 | Expenditure incurred (₹ Crore) | Number of beneficiaries (lakh) |
|----------------------|--------------------------------|--------------------------------|
| 2017-18              | 45.50                          | 2.48                           |
| 2018-19              | 45.35                          | 2.36                           |
| 2019-20 <sup>+</sup> | 34.18                          | 1.65                           |

Source: State Family Welfare Bureau, GoM + upto December



### ***Pradhan Mantri Surakshit Matritva Abhiyan***

10.26.3 GoI has launched *Pradhan Mantri Surakshit Matritva Abhiyan* to provide fixed day assured and quality antenatal care to pregnant women. Laboratory tests, sonographic examination, physical & abdominal examination by obstetrician, timely diagnosis of high risk mothers, prompt referral services are important components of the *Abhiyan*. The services are provided at the health facility centre free of cost to the beneficiaries on 9<sup>th</sup> day of every month. If the 9<sup>th</sup> day of the month is a Sunday or a public holiday, then the services are provided on the next working day. These services are provided in addition to the routine antenatal care. Performance of *Pradhan Mantri Surakshit Matritva Abhiyan* is given in Table 10.20.

**Table 10.20 Performance of *Pradhan Mantri Surakshit Matritva Abhiyan***

| Year                 | Expenditure incurred (₹ lakh) | Number of pregnant women received ANC (lakh) | Number of pregnant women received ANC in 2 <sup>nd</sup> and 3 <sup>rd</sup> trimester for 1 <sup>st</sup> time (lakh) | Number of high risk pregnancies identified (lakh) |
|----------------------|-------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 2017-18              | 27.49                         | 8.24                                         | 3.89                                                                                                                   | 0.31                                              |
| 2018-19              | 50.02                         | 7.03                                         | 3.48                                                                                                                   | 0.24                                              |
| 2019-20 <sup>+</sup> | 16.46                         | 2.36                                         | 1.18                                                                                                                   | 0.19                                              |

Source: State Family Welfare Bureau, GoM

+ upto December

### ***Pradhan Mantri Matru Vandana Yojana***

10.26.4 In India, majority of pregnant women continues to work right up to last days of their pregnancy. Furthermore, they resume to their work soon after child birth even though they are physically incapable for working. Health of children born to such type of undernourished pregnant women & lactating mothers is severely affected. To improve maternal & child health by promoting importance of nutritional diet '*Pradhan Mantri Matru Vandana Yojana*' is being implemented in the State from 1<sup>st</sup> January, 2017. Under the scheme, cash of ₹ 5,000 is given in the form of direct benefit transfer (DBT) to pregnant women registered in govt. institutions for first living child only. Women availing paid maternity leave are not eligible for this benefit. The progress of *Pradhan Mantri Matru Vandana Yojana* is given in Table 10.21.

**Table 10.21 Progress of *Pradhan Mantri Matru Vandana Yojana***

| Year                 | Expenditure incurred (₹ Crore) | Number of Beneficiaries (lakh) |
|----------------------|--------------------------------|--------------------------------|
| 2017-18              | 38.86                          | 2.19                           |
| 2018-19              | 219.98                         | 5.98                           |
| 2019-20 <sup>+</sup> | 282.54                         | 5.25                           |

Source : State Family Welfare Bureau, GoM

+ upto December

### **Universal Immunisation Programme**

10.26.5 Universal Immunisation Programme is being implemented with the aim to provide high quality immunisation services to pregnant women, infants and children in various age groups in order to prevent mortality, morbidity and disability from vaccine preventable diseases such as Tuberculosis, Diphtheria, Whooping cough, Tetanus, Polio, Haemophilus Influenza Type B, Hepatitis B, Measles, etc. The progress of Universal Immunisation Programme is given in Table 10.22.

**Table 10.22 Progress of Universal Immunisation Programme**

| Vaccine                                         | (No. of beneficiaries in lakh) |             |         |             |                      |             |
|-------------------------------------------------|--------------------------------|-------------|---------|-------------|----------------------|-------------|
|                                                 | 2017-18                        |             | 2018-19 |             | 2019-20 <sup>+</sup> |             |
|                                                 | Target                         | Achievement | Target  | Achievement | Target               | Achievement |
| BCG                                             | 19.91                          | 19.62       | 19.46   | 19.42       | 19.32                | 15.82       |
| Oral Polio Vaccine (OPV) – III                  | 19.91                          | 19.11       | 19.46   | 18.92       | 19.32                | 14.54       |
| Hepatitis B-0                                   | 10.39                          | 10.96       | 9.67    | 10.77       | 19.32                | 8.7         |
| Measles                                         | 19.91                          | 18.84       | NA      | NA          | NA                   | NA          |
| Measles and rubella                             | NA                             | NA          | 19.46   | 18.44       | 19.32                | 15.04       |
| Diphtheria, Pertussis and Tetanus (DPT) booster | 19.49                          | 17.79       | 19.08   | 17.19       | 18.95                | 13.97       |
| OPV (booster)                                   | 19.49                          | 18.10       | 19.08   | 17.30       | 18.95                | 14.09       |
| DT (5 years)                                    | 19.49                          | 12.65       | 19.08   | 13.78       | 18.95                | 11.29       |
| Tetanus (TT-10 years)                           | 25.66                          | 17.83       | 25.98   | 16.44       | 26.07                | 13.56       |
| Tetanus (TT-16 years)                           | 23.21                          | 18.15       | 23.50   | 16.59       | 23.59                | 13.07       |
| Tetanus (TT-Pregnant women)                     | 21.89                          | 19.43       | 21.40   | 19.38       | 21.25                | 14.76       |
| Pentavalent 3                                   | 19.91                          | 19.24       | 19.46   | 18.95       | 19.32                | 14.57       |
| Expenditure incurred (₹ crore)                  | 44.11                          |             | 55.77   |             | 33.21                |             |

Source: State Family Welfare Bureau, GoM

NA Not Applicable

+ upto December

## Intensified Mission *Indradhanush* 2.0

10.26.6 The Intensified Mission *Indradhanush* aims to achieve full immunisation coverage of children under two years of age and pregnant women against eight vaccine-preventable diseases. The mission is being carried out in India during December, 2019 to March, 2020. The immunisation drive covers vaccines for Tuberculosis, Meningitis, Measles-rubella, Hepatitis B, Tetanus, Whooping cough, Poliomyelitis and Diphtheria. In the State the mission is being implemented in 25 districts and 20 municipal corporations. Under the mission, 1,29,174 children under two years of age and 19,539 pregnant women are immunised upto January, 2020.

## Pulse Polio Programme

10.26.7 Children below five years of age irrespective of earlier receipt of number of doses of Oral Polio Vaccine are immunised on National Immunisation Day. The State has made good progress in controlling the spread of polio virus, as no polio case was reported upto March, 2019. Progress of Pulse Polio Programme is given in Table 10.23.

**Table 10.23 Progress of Pulse Polio Programme**

| Year                 | No. of children immunised (lakh) | Expenditure incurred (₹ Crore) |
|----------------------|----------------------------------|--------------------------------|
| 2017-18              | 120.82                           | 24.75                          |
| 2018-19              | 170.94                           | 13.93                          |
| 2019-20 <sup>+</sup> | 52.09                            | 6.12                           |

Source : State Family Welfare Bureau, GoM + upto December

## Rashtriya Baal Swasthya Karyakram

10.26.8 *Rashtriya Baal Swasthya Karyakram* aims at early detection and management of 'four Ds' viz. defects at birth, diseases in children, deficiency condition and development delays including disabilities. Biannual regular health screening of pre school children up to six years of age using *anganwadi* as a platform is an essential component. Moreover, children in the age group six to 18 years studying in government and government aided schools also receive regular health check ups. Children diagnosed for illness receive follow up referral support and treatment including surgical interventions free of cost. Progress of *Rashtriya Baal Swasthya Karyakram* is given in Table 10.24.

**Table 10.24 Progress of Rashtriya Baal Swasthya Karyakram**

| (no.)                |                         |                 |         |          |                      |                     |
|----------------------|-------------------------|-----------------|---------|----------|----------------------|---------------------|
| Year                 | Schools /<br>anganwadis | Students (lakh) |         |          | Operations performed |                     |
|                      |                         | Examined        | Treated | Referred | Other                | Heart & its related |
| 2017-18              | 84,477                  | 114.24          | 8.44    | 0.97     |                      |                     |
|                      | 1,03,344 <sup>#</sup>   | 62.20           | 4.63    | 0.37     | 15,255               | 1,836               |
|                      | 1,01,790 <sup>##</sup>  | 66.41           | 5.25    | 0.51     |                      |                     |
| 2018-19              | 84,437                  | 121.24          | 10.47   | 1.76     |                      |                     |
|                      | 1,01,647 <sup>#</sup>   | 63.55           | 5.07    | 0.45     | 17,638               | 2,614               |
|                      | 1,03,777 <sup>##</sup>  | 64.71           | 5.05    | 0.73     |                      |                     |
| 2019-20 <sup>+</sup> | 81,556                  | 87.99           | 7.93    | 0.40     |                      |                     |
|                      | 1,03,216 <sup>#</sup>   | 69.88           | 4.99    | 1.01     | 13,370               | 1,609               |
|                      | 1,03,880 <sup>##</sup>  | 27.62           | 2.53    | 0.85     |                      |                     |

Source: State Family Welfare Bureau, GoM # anganwadi phase 1, ## anganwadi phase 2 + upto December

### National Vector Borne Disease Control Programme

10.26.9 National Vector Borne Disease Control Programme is being implemented in the State for reduction of mortality and control of morbidity due to vector borne diseases. Number of cases & deaths reported due to vector borne diseases are given in Table 10.25.

**Table 10.25 Number of cases & deaths reported due to vector borne diseases**

| (no.)                          |         |                 |         |                 |                      |                 |
|--------------------------------|---------|-----------------|---------|-----------------|----------------------|-----------------|
| Vector borne disease           | 2017-18 |                 | 2018-19 |                 | 2019-20 <sup>+</sup> |                 |
|                                | Cases   | Deaths reported | Cases   | Deaths reported | Cases                | Deaths reported |
| Malaria                        | 16,509  | 19              | 10,231  | 14              | 7,958                | 4               |
| Swine flu                      | 6,144   | 778             | 2,594   | 462             | 2,287                | 246             |
| Lymphatic Filariasis           | 1,446   | 0               | 1,474   | 0               | 901                  | 0               |
| Dengue                         | 7,886   | 65              | 11,249  | 70              | 14,436               | 29              |
| Japanese Encephalitis          | 29      | 0               | 6       | 1               | 35                   | 10              |
| Chikungunya                    | 1,418   | 0               | 1,061   | 0               | 1,530                | 0               |
| AES/Chandipura                 | 1       | 1               | 54      | 1               | 114                  | 11              |
| Expenditure incurred (₹ crore) | 20.66   |                 | 7.51    |                 | 0.33                 |                 |

Source: Directorate of Health Services, GoM AES : Acute Encephalitis Syndrome + upto December

### Ayurveda, Yoga & Naturopathy, Unani, Siddha and Homoeopathy (AYUSH)

10.26.10 AYUSH systems are based on definite medical philosophies and represent a way of healthy living with established concepts on prevention of diseases and promotion of health. Yoga has now become the icon of global health and many countries have started integrating it in their health care system. There is great curiosity to understand the principles and practice of AYUSH especially due to growing challenges in medicine in non communicable diseases, life style disorders, chronic diseases, etc. To enhance the existing medical facilities, government is bringing AYUSH into the mainstream health care delivery system. Under NRHM, AYUSH facilities are being set up in PHC & CHC and qualified AYUSH physicians are being appointed. There are



74 Ayurvedic hospitals, 469 ayurvedic dispensaries, seven unani hospitals, 25 unani dispensaries and 55 homeopathic hospitals in the State. Upto December, 2019, there were 85,219 ayurveda doctors (of which 4,434 were post graduate) and 7,577 unani doctors (of which 117 were post graduate) registered with Maharashtra Council of Indian Medicine and 72,730 homeopathy doctors (of which 2,422 were post graduate) were registered with Maharashtra Council of Homeopathy.

### National Urban Health Mission

10.26.11 The National Urban Health Mission (NUHM) is being implemented in the State since 2013 to meet health care needs of the urban population. The mission primarily focuses on slum dwellers and other marginalised groups of all cities/towns with a population above 50,000. Out of 253 cities 95 cities are covered under NUHM. Poor environmental condition in the slums along with high population density makes the people living in slums, vulnerable to lung diseases like asthma, tuberculosis, etc. Slums also have a high-incidence of vector borne diseases. About 2.01 crore slum population is covered under NUHM in the State.

10.26.12 Under NUHM, upto December, 2019 total 552 Urban PHC (UPHC) are functional, 10 Mobile Medical Units are operating and 8,730 ASHAs are appointed. To provide health care facilities to people living in slums having population around 10,000 and not having UPHC, 60 'Aapala davakhana' clinics have been approved in 10 municipal corporations. These clinics will function as a subcentre of UPHC. For 2018-19, project implementation plan of ₹ 165.48 crore was approved by GoI and an expenditure of ₹ 133.13 crore was incurred. For 2019-20, project implementation plan of ₹ 220.23 crore is approved for 95 cities/towns and an expenditure incurred upto December, 2019 was ₹ 82.68 crore.

### Maharashtra Emergency Medical Services

10.26.13 Maharashtra Emergency Medical Services provide pre-hospital health services to patients through life support ambulance while transporting them to nearby hospital for further treatment. This 24×7 emergency service can be availed by dialing a toll free number 108. In all there are 937 ambulances, of which 233 are having advanced life support system and 704 are equipped with basic life support system. Number of patients served in emergency are given in Table 10.26.

**Table 10.26 Number of patients served in emergency**

| Emergency type           | (no.)            |                  |                      |
|--------------------------|------------------|------------------|----------------------|
|                          | 2017-18          | 2018-19          | 2019-20 <sup>+</sup> |
| Child birth              | 6,640            | 6,501            | 3,170                |
| Pregnancy                | 2,39,764         | 2,31,374         | 1,39,079             |
| Medical                  | 4,86,129         | 8,86,674         | 4,66,067             |
| Accidental (vehicle)     | 75,029           | 73,431           | 39,708               |
| Assault                  | 11,300           | 11,911           | 6,965                |
| Burns                    | 3,953            | 3,606            | 1,546                |
| Cardiac                  | 2,214            | 1,777            | 837                  |
| Fall                     | 29,863           | 27,314           | 17,065               |
| Intoxication / poisoning | 32,331           | 32,331           | 21,040               |
| Mass casualty            | 4,768            | 4,586            | 1,620                |
| Poly trauma              | 1,472            | 1,233            | 358                  |
| Others                   | 1,64,486         | 64,923           | 49,745               |
| <b>Total</b>             | <b>10,57,949</b> | <b>13,45,661</b> | <b>7,47,200</b>      |

Source : Directorate of Health Services, GoI

+ upto December

## **Revised National TB Control Programme**

10.26.14 The programme aims to achieve 'TB free India' as Tuberculosis (TB) is an infectious disease. The DOTS (Directly Observed Treatment Short Course) strategy ensures that infectious TB patients are diagnosed and treated effectively till cure, by ensuring availability of the full course of drugs and a system for monitoring patient compliance to the treatment. During 2018, suspected number of TB patients per lakh population was 778 and cure rate was 84 per cent and during 2019, suspected number of TB patients per lakh population are 893 and cure rate was 88 per cent. During 2018-19, an expenditure of ₹ 97.25 crore was incurred and during 2019-20, upto December, an expenditure of ₹ 68.22 crore was incurred.

## **National Programme for Control of Blindness**

10.26.15 National programme for Control of Blindness is being implemented mainly for cataract surgeries & screening of school children with provision of spectacles to the students having refractive errors. The goal of this program is to reduce the prevalence of blindness from 1.4 per cent to 0.3 per cent by 2020. During 2018-19, as against the target of 7.50 lakh cataract surgeries, 7.28 lakh surgeries were performed and an expenditure of ₹ 8.81 crore was incurred, while during 2019-20 upto December, against the same target 5.18 lakh surgeries were performed and an expenditure of ₹ 3.25 crore was incurred.

## **National Leprosy Eradication Programme**

10.26.16 National Leprosy Eradication Programme was launched by GoI with the objective of elimination of leprosy (prevalence of less than one case per 10,000 population in all districts), strengthen disability prevention & medical rehabilitation of persons affected by leprosy and reduction in the level of stigma associated with leprosy. During 2018-19, number of newly reported and active leprosy cases were 15,299 and 9,390 respectively. During 2019-20 upto December, number of newly reported and active leprosy cases were 13,815 and 13,158 respectively. For 2018-19, the prevalence rate per 10,000 population was 0.75 and for 2019-20 upto December it was 1.04. During 2018-19 an expenditure of ₹ 7.75 crore and during 2019-20 upto December an expenditure of ₹ 2.66 crore was incurred.

## **Family Welfare Programme**

10.26.17 The main objective of the Family Welfare Programme is to stabilise population. Sterilisation and spacing between the births of two children are important aspects of the programme. More emphasis is given on propagation of spacing methods like Oral Pills, Copper-T (IUD), PPIUCD, conventional contraceptives, along with some new contraceptive methods like Injectable MPA, Weekly Centchroman Pills, etc. are also included. The progress of family welfare sterilisation programme is given in Table 10.27.

**Table 10.27 Family welfare sterilisation programme**

('000)

| Year                 | Sterilisation |             |           |                 | Intra-uterine device |                 | Expenditure incurred<br>(₹ Crore) |
|----------------------|---------------|-------------|-----------|-----------------|----------------------|-----------------|-----------------------------------|
|                      | Target        | Achievement |           |                 | Target               | Achievement     |                                   |
|                      |               | Vasectomy   | Tubectomy | Total           |                      |                 |                                   |
| 2017-18              | 565           | 11.6        | 409.9     | 421.5<br>(74.6) | 490                  | 420.0<br>(85.7) | 25.57                             |
| 2018-19              | 565           | 8.9         | 390.9     | 399.6<br>(70.7) | 490                  | 418.4<br>(85.4) | 23.45                             |
| 2019-20 <sup>+</sup> | 565           | 6.4         | 260.8     | 267.3<br>(47.3) | 490                  | 295.6<br>(60.3) | 19.93                             |

Note : Figures in brackets indicate percentages of the achievement to target

+ upto December

Source : State Family Welfare Bureau, GoM

### **Integrated Mahatma Jyotiba Phule Jan Arogya Yojana and Ayushman Bharat - Pradhan Mantri Jan Arogya Yojana**

10.27 Mahatma Jyotiba Phule Jan Arogya Yojana (MJPJAY), erstwhile Rajiv Gandhi Jeevandayee Arogya Yojana is being implemented in the State in collaboration with the National Insurance Company to provide cashless medical facilities. From 23<sup>rd</sup> September 2018, Ayushman Bharat - Pradhan Mantri Jan Arogya Yojana (PMJAY) is integrated with Mahatma Jyotiba Phule Jan Arogya Yojana. This scheme is implemented in the State on Insurance Mode (MJPJAY and PMJAY) and Assurance Mode (only PMJAY). In all 2.23 crore beneficiary families get health insurance coverage under both the schemes. Beneficiary families of MJPJAY get insurance coverage for all hospitalisation meeting expenses of beneficiary up to ₹ 1.5 lakh & in case of renal transplant surgery ₹ 2.5 lakh per family per year, whereas beneficiary families of PMJAY get insurance coverage up to ₹ five lakh per family per year in any of empaneled hospitals. Under PMJAY insurance coverage up to ₹ 1.5 lakh is provided through insurance company and insurance coverage from ₹ 1.5 lakh to ₹ five lakh is provided on assurance mode by State Health Assurance Society. Under MJPJAY beneficiaries can avail treatment of 971 types of tertiary care and high expended surgeries/therapies along with 121 follow up procedures in 30 identified specialised categories. Beneficiaries included in both schemes or beneficiaries only of PMJAY gets treatment of 1,300 (971+329) medical and surgical procedures. Cashless medical facilities are admissible to beneficiaries under MJPJAY in any network hospitals for patients with indentified diseases holding yellow ration card (BPL families, beneficiaries of *antyodaya* & *annapurna* scheme), APL families holding saffron ration card and white ration card holding farmer families from 14 farmer suicide prone districts (Aurangabad, Jalna, Parbhani, Hingoli, Beed, Nanded, Osmanabad, Latur, Amravati, Akola, Washim, Buldhana, Yavatmal and Wardha) and registered construction workers having identity card issued by construction worker's board. Under PMJAY members from 83.72 lakh families registered under Socio Economic and Caste Census, 2011 will be eligible for getting benefits in all empaneled hospitals by showing computerised e-cards. Upto October, 2019 total 52.5 lakh e-cards were distributed. The scheme is completely paperless and beneficiaries of any state having above mentioned valid identity proof and photo identity proof can avail treatment at any of the empaneled hospitals of any other state. During 2018-19, under the integrated scheme total 6.24 lakh surgeries and therapies were conducted and expenditure of ₹ 1,097.85 crore was incurred. During 2019-20 upto December, total 4.44 lakh surgeries and therapies were conducted and expenditure of ₹ 906.96 crore was incurred. Performance of majors surgeries and therapies under Integrated Mahatma Jyotiba Phule Jan Arogya Yojana and Ayushman Bharat -Pradhan Mantri Jan Arogya Yojana is given in Table 10.28.

**Table 10.28 Performance of majors surgeries and therapies under Integrated Mahatma Jyotiba Phule Jan Arogya Yojana and Ayushman Bharat -Pradhan Mantri Jan Arogya Yojana**

| Speciality                         | 2017-18                     |                      | 2018-19                     |                      | 2019-20 <sup>+</sup>         |                      |
|------------------------------------|-----------------------------|----------------------|-----------------------------|----------------------|------------------------------|----------------------|
|                                    | No. of Surgeries/ Therapies | Claim paid (₹ Crore) | No. of Surgeries/ Therapies | Claim paid (₹ Crore) | No. of Surgeries / Therapies | Claim paid (₹ Crore) |
| Medical oncology                   | 1,24,364                    | 65.20                | 1,44,225                    | 72.02                | 1,16,598                     | 59.70                |
| Nephrology                         | 72,500                      | 62.40                | 84,815                      | 71.66                | 68,772                       | 61.98                |
| Cardiology                         | 56,715                      | 217.25               | 66,115                      | 245.11               | 58,658                       | 222.96               |
| Genitourinary system               | 40,022                      | 74.26                | 45,579                      | 83.15                | 36,189                       | 67.75                |
| Poly trauma                        | 30,638                      | 42.32                | 35,007                      | 47.14                | 29,545                       | 42.64                |
| ENT surgery                        | 24,417                      | 13.09                | 25,645                      | 13.23                | 13,880                       | 8.58                 |
| Cardiac and cardiothoracic surgery | 23,041                      | 194.31               | 22,898                      | 181.09               | 15,898                       | 131.43               |
| Radiation oncology                 | 21,505                      | 94.60                | 21,311                      | 106.94               | 17,797                       | 87.65                |
| Pediatrics medical management      | 18,565                      | 36.07                | 20,016                      | 40.29                | 16,603                       | 31.75                |
| Surgical oncology                  | 15,997                      | 43.18                | 16,707                      | 43.95                | 13,300                       | 37.55                |
| <b>Total</b>                       | <b>4,27,764</b>             | <b>842.68</b>        | <b>4,82,318</b>             | <b>904.58</b>        | <b>3,87,240</b>              | <b>751.99</b>        |

Source : State Health Assurance Society, GoM

+ upto December

## National AIDS Control Programme

10.28 Maharashtra State AIDS Control Society is established to implement National AIDS Control Programme (NACP) effectively in the State. The focus of NACP is on creating awareness and education & surveillance of specific groups of population. Surveillance is undertaken through screening of blood samples of patients from the clinics of sexually transmitted diseases and women seeking antenatal care. Information of HIV/AIDS cases is given in Table 10.29.

**Table 10.29 HIV/AIDS cases**

| Item                                        | ('000) |       |                   |
|---------------------------------------------|--------|-------|-------------------|
|                                             | 2017   | 2018  | 2019 <sup>+</sup> |
| Persons screened from risk groups           | 5,354  | 5,806 | 7,004             |
| HIV positive by three tests methods         | 29     | 26    | 23                |
| HIV positivity rate (per cent) <sup>@</sup> | 0.5    | 0.5   | 0.3               |
| AIDS cases                                  | 18.41  | 16.13 | 11.50             |
| Deaths due to AIDS                          | 4.20   | 3.72  | 3.52              |

<sup>@</sup> with respect to persons screened from risk groups + upto December

Source : Maharashtra State AIDS Control Society

## State Blood Transfusion Council

10.29 The prime objective of State Blood Transfusion Council is to provide adequate & safe blood and its components at reasonable rates. Since 2000, free blood is being provided to Sick Cell children as well as Thalassemia and Hemophilia patients. Information about blood collection is given in Table 10.30.

**Table 10.30 Information about blood collection**

| Year | Blood banks<br>(no.) | Total<br>collection<br>(lakh units) | Of which,<br>voluntarily donated<br>(lakh units) | No. of cards issued to patients of |             |            |
|------|----------------------|-------------------------------------|--------------------------------------------------|------------------------------------|-------------|------------|
|      |                      |                                     |                                                  | Sickle Cell                        | Thalassemia | Hemophilia |
| 2017 | 331                  | 16.02                               | 15.63                                            | 1,169                              | 630         | 177        |
| 2018 | 334                  | 16.56                               | 16.37                                            | 611                                | 631         | 111        |
| 2019 | 341                  | 17.23                               | 17.07                                            | 1,169                              | 682         | 321        |

Source : State Blood Transfusion Council, GoM

## Epidemic Control Programme

10.30 Epidemic control programme deals with monitoring of outbreaks as well as sporadic cases of water borne diseases like Cholera, Gastro, Acute Diarrhoea/dysentery, Infective hepatitis, Typhoid, etc. To control occurrences and deaths due to these diseases, containment measures are taken. During 2018-19, an expenditure of ₹ 8.12 crore and during 2019-20 upto December, an expenditure of ₹ 6.10 crore was incurred. The number of attacks & deaths due to sporadic & outbreaks of these diseases are given in Table 10.31.

**Table 10.31 Number of attacks & deaths due to water borne diseases**

| Disease             | (no.)           |           |                 |           |                   |           |
|---------------------|-----------------|-----------|-----------------|-----------|-------------------|-----------|
|                     | 2017            |           | 2018            |           | 2019 <sup>+</sup> |           |
|                     | Attacks         | Deaths    | Attacks         | Deaths    | Attacks           | Deaths    |
| Cholera             | 83              | 0         | 356             | 2         | 245               | 3         |
| Gastro              | 75,360          | 1         | 61,003          | 5         | 55,097            | 0         |
| Diarrhoea           | 7,17,790        | 2         | 6,55,347        | 3         | 7,38,480          | 0         |
| Infective hepatitis | 19,895          | 0         | 4,463           | 1         | 4,280             | 0         |
| Typhoid             | 40,295          | 0         | 72,453          | 0         | 72,876            | 0         |
| Leptospirosis       | 139             | 7         | 309             | 13        | 684               | 15        |
| <b>Total</b>        | <b>8,53,562</b> | <b>10</b> | <b>7,93,931</b> | <b>24</b> | <b>8,71,662</b>   | <b>18</b> |

Source : Directorate of Health Services, GoM

+ upto December

## Transplantation of Human Organs

10.31 GoI has enacted the Transplantation of Human Organs (THO) Act, 1994 to regulate removal, storage and transplantation of human organs for therapeutic purposes and for prevention of commercial dealings in human organs. There are 189 centres registered in the State, of which 137 centres are registered for single organ transplantation, 52 for multiple organ transplantation. There are 256 centres for eye retrieval, eye bank & cornea transplant. Also 66 hospitals are registered as non transplant organ retrieval centres. Number of transplantations performed is given in Table 10.32.

**Table 10.32 Number of transplantations performed**

| Transplantation | (no.)   |         |                      |
|-----------------|---------|---------|----------------------|
|                 | 2017-18 | 2018-19 | 2019-20 <sup>+</sup> |
| <b>Live</b>     |         |         |                      |
| a) Kidney       | 463     | 646     | 593                  |
| b) Liver        | 67      | 119     | 123                  |
| <b>Cadaver</b>  |         |         |                      |
| a) Kidney       | 187     | 206     | 242                  |
| b) Liver        | 102     | 138     | 142                  |
| c) Heart        | 40      | 37      | 39                   |
| d) Lungs        | 2       | 6       | 8                    |
| e) Cornea       | 2,629   | 3,813   | 2,295                |

Source : Directorate of Health Services, GoM + upto December

## WOMEN AND CHILD DEVELOPMENT

10.32 'Achieve gender equality and empower all women and girls' is one of the Sustainable Development Goals. Maharashtra is the first State in India to formulate a women policy in the year 1994 which was revised in 2001 and then third policy was declared in 2014. Various schemes and programmes are being implemented by the Government for empowerment of women and child development.

10.33 Performance of selected women development schemes being implemented in the State is given in Table 10.33.

**Table 10.33 Performance of selected women development schemes**

(₹ Crore)

| Scheme                                                                          | 2018-19       |                      |                         | 2019-20 <sup>+</sup> |                      |                         |
|---------------------------------------------------------------------------------|---------------|----------------------|-------------------------|----------------------|----------------------|-------------------------|
|                                                                                 | Proposed fund | Expenditure incurred | Number of beneficiaries | Proposed fund        | Expenditure incurred | Number of beneficiaries |
| Government Women Hostels / Women Shelter Homes / Protective Homes / State Homes | 13.43         | 12.11                | 7,839                   | 16.28                | 8.79                 | 6,178                   |
| Women counseling centres                                                        | 10.00         | 4.34                 | 25,067                  | 10.00                | 1.67                 | 22,398                  |
| <i>Shubh Mangal Samuhik Vivah Yojana</i>                                        | 1.74          | 0.80                 | 666                     | 2.03                 | 0.17                 | 323                     |
| <i>Manodhairya Yojana</i>                                                       | 80.00         | 7.85                 | 1,153                   | 30.00                | 3.44                 | 462                     |
| Protection of Women from Domestic Violence                                      | 23.12         | 20.51                | 14,302                  | 27.43                | 17.11                | 6,762                   |

Source : 1. Office of Commissioner of Women and Child Development, GoM

+ upto October

2. Deputy Commissioner, planning, Divisional commissioner

10.34 Various women specific centrally sponsored schemes are being implemented in the State.

**10.34.1 Hostels for working women :** The objective of the scheme is to provide safe and conveniently located accommodation for working women, with day care facility for their children. Under the scheme, financial assistance is provided for construction of hostel building or running of hostel in rented premises for those working women who may be single, widowed, divorced, separated, married but whose husband or immediate family does not reside in the same area and for women undergoing training for job with gross monthly income not exceeding ₹ 50,000 in metropolitan cities and ₹ 35,000 in any other place. Rent is charged to hostel inmates for their stay. There are 87 such hostels functioning in the State. Under the scheme 5,407 women availed the facilities during 2018-19 and during 2019-20, upto October 5,160 women availed the facilities.

**10.34.2 Support to Training and Employment Programme (STEP) :** The programme aims to provide vocational skills and competencies related to employability and entrepreneurship to poor women in the age group of 16 years and above. Marginalised, asset less, rural and urban poor women are covered under the STEP. Under the programme, training of skills in fields such as agriculture, horticulture, fisheries, dairy, animal husbandry, sericulture, food processing, handloom, tailoring, stitching, embroidery, zari, handicraft, computer & IT enabled services, spoken English, gems & jewellery, travel & tourism, hospitality, etc. is being imparted.

**10.34.3 Swadhar :** Under the scheme, women in difficult circumstances like destitute, homeless, widows, deserted by families, women prisoner released from jails without family support, trafficked women rescued from brothels, etc. are rehabilitated by providing protection, shelter, care, education and vocational training. There were 38 *Swadhar* homes functioning in the State at the end of December, 2019. During 2018-19 under the scheme 1,545 women received benefits, whereas during 2019-20, upto July, 999 women received benefits.



10.34.4 **Ujjawala** : The objectives of the scheme are to combat the trafficking of women for sexual exploitation and to facilitate their rescue, re-integration into society and rehabilitation by providing protection, safe shelter, medical care, legal aid, education and vocational training. As there were 11 institutes functioning in the State at the end of December, 2019. During 2018-19 under the scheme 761 women and during 2019-20 upto July, 433 women received benefits.

### Participation of women in decision making

10.35 As per GoI directions one-third of the seats are to be reserved for women in local bodies, the State Government has extended these reservations up to 50 per cent. Information of number of seats reserved for women in local bodies in the State is given in Table 10.34.

**Table 10.34 Seats reserved for women in local bodies in the State**

| Local body<br>(no.)        | Total seats<br>(no.) | Seats reserved for women<br>(no.) <sup>+</sup> |
|----------------------------|----------------------|------------------------------------------------|
| Municipal Corporation (27) | 2,736                | 1,374                                          |
| Municipal Council (241)    | 5,442                | 2,798                                          |
| Nagar Panchayat (128)      | 2,176                | 1,152                                          |
| Zilla Parishad (34)        | 2,000                | 1,009                                          |
| Panchayat Samiti (351)     | 4,000                | 2,000                                          |
| Grampanchayat (27,832)     | 2,57,140             | 1,28,570                                       |
| <b>Total</b>               | <b>2,73,494</b>      | <b>1,36,903</b>                                |

Source : 1) State Election Commission, GoM,

2) Rural Development Department, GoM

+ upto December

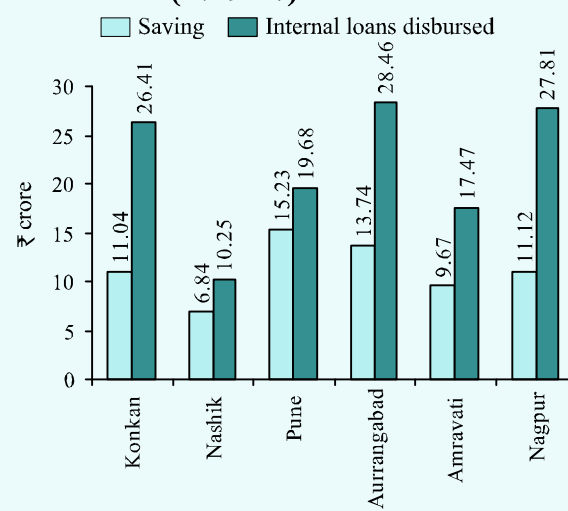
### Mahila Arthik Vikas Mahamandal

10.36 The *Mahila Arthik Vikas Mahamandal* (MAVIM) is the nodal agency for implementing various women empowerment programmes in the State through Self Help Groups (SHGs), financial institutions and Government. During 2019-20, upto September, MAVIM has received funds of ₹ 8.15 crore under various schemes and an expenditure of ₹ 7.00 crore was incurred.

10.36.1 SHG is novel and innovative organisational set-up for the women upliftment and welfare. All women are given chance to join any one of SHGs for training and development, so as to be prospective entrepreneur and skilled worker. The SHGs are promoted by the Government for women not having enough resources to be entrepreneurs. SHGs arrange training facilities for women to carry out certain kind of work which is suitable for them. Banks arrange financial assistance to carry out manufacturing & trading activities and marketing facilities. The Government procures the product of SHGs, arrange training for enhancing the capacity of women in terms of leadership quality and administrative capacity. SHG is good medium for economic

empowerment of women. During 2019-20, upto September, total savings of SHGs was about ₹ 67.64 crore, SHGs received loans of ₹ 346.24 crore from various financial institutions and

**Graph 10.3 : Savings and internal loans disbursed to women SHGs (2019-20)**



the total internal loans disbursed was ₹ 130.07 crore. Information of women SHGs is given in Table 10.35.

**Table 10.35 Information of women SHGs**

| Division         | Sector       | Villages/<br>Cities | 2017-18         |                  | 2018-19         |                  | 2019-20 <sup>+</sup> |                  |
|------------------|--------------|---------------------|-----------------|------------------|-----------------|------------------|----------------------|------------------|
|                  |              |                     | SHGs            | Members          | SHGs            | Members          | SHGs                 | Members          |
| Konkan           | Rural        | 968                 | 10,344          | 1,21,098         | 10,751          | 1,31,392         | 10,755               | 1,31,547         |
|                  | Urban        | 36                  | 3,528           | 39,379           | 5,151           | 56,468           | 5,822                | 63,398           |
|                  | <b>Total</b> | <b>1,004</b>        | <b>13,872</b>   | <b>1,60,477</b>  | <b>15,902</b>   | <b>1,87,860</b>  | <b>16,577</b>        | <b>1,94,945</b>  |
| Nashik           | Rural        | 1,600               | 9,981           | 1,15,597         | 9,241           | 1,09,465         | 9,346                | 1,09,730         |
|                  | Urban        | 43                  | 3,210           | 32,852           | 5,570           | 57,404           | 6,539                | 67,303           |
|                  | <b>Total</b> | <b>1,643</b>        | <b>13,191</b>   | <b>1,48,449</b>  | <b>14,811</b>   | <b>1,66,869</b>  | <b>15,885</b>        | <b>1,77,033</b>  |
| Pune             | Rural        | 1,039               | 10,065          | 1,61,658         | 14,325          | 1,85,823         | 14,929               | 1,92,729         |
|                  | Urban        | 48                  | 2,840           | 35,494           | 5,454           | 66,051           | 6,290                | 76,796           |
|                  | <b>Total</b> | <b>1,087</b>        | <b>12,905</b>   | <b>1,97,152</b>  | <b>19,779</b>   | <b>2,51,874</b>  | <b>21,219</b>        | <b>2,69,525</b>  |
| Aurangabad       | Rural        | 2,510               | 14,603          | 1,70,846         | 14,626          | 1,75,926         | 14,794               | 1,77,834         |
|                  | Urban        | 57                  | 3,631           | 43,543           | 6,841           | 76,142           | 8,041                | 88,537           |
|                  | <b>Total</b> | <b>2,567</b>        | <b>18,234</b>   | <b>2,14,389</b>  | <b>21,467</b>   | <b>2,52,068</b>  | <b>22,835</b>        | <b>2,66,371</b>  |
| Amravati         | Rural        | 1,942               | 16,898          | 1,80,454         | 16,915          | 1,87,020         | 16,996               | 1,87,862         |
|                  | Urban        | 42                  | 2,476           | 25,678           | 4,202           | 41,971           | 4,744                | 47,371           |
|                  | <b>Total</b> | <b>1,984</b>        | <b>19,374</b>   | <b>2,06,132</b>  | <b>21,117</b>   | <b>2,28,991</b>  | <b>21,740</b>        | <b>2,35,233</b>  |
| Nagpur           | Rural        | 2,436               | 15,956          | 1,95,096         | 15,889          | 1,99,751         | 16,004               | 2,00,786         |
|                  | Urban        | 33                  | 2,492           | 26,373           | 3,822           | 40,284           | 4,243                | 44,694           |
|                  | <b>Total</b> | <b>2,469</b>        | <b>18,448</b>   | <b>2,21,469</b>  | <b>19,711</b>   | <b>2,40,035</b>  | <b>20,247</b>        | <b>2,45,480</b>  |
| Regional<br>NGOs | Rural        | -                   | 13,621          | 1,69,781         | 13,621          | 1,69,781         | 13,621               | 1,69,781         |
|                  | <b>Rural</b> | <b>10,495</b>       | <b>91,468</b>   | <b>11,14,530</b> | <b>95,368</b>   | <b>11,59,158</b> | <b>96,445</b>        | <b>11,70,269</b> |
|                  | <b>Urban</b> | <b>259</b>          | <b>18,177</b>   | <b>2,03,319</b>  | <b>31,040</b>   | <b>3,38,320</b>  | <b>35,679</b>        | <b>3,88,099</b>  |
|                  | <b>Total</b> | <b>10,754</b>       | <b>1,09,645</b> | <b>13,17,849</b> | <b>1,26,408</b> | <b>14,97,478</b> | <b>1,32,124</b>      | <b>15,58,368</b> |

Source : MAVIM, GoM

+ upto September

**10.36.2 Community Managed Resource Centre :** The Community Managed Resource Centre (CMRC) registered under Society Act, 1860 is a group of 150 to 200 SHGs formed in a cluster of around 20 villages within the radius of 25 km. The role of the CMRC is to provide the primary services to SHGs such as skill development training for livelihood, bank linkages, provide market to produced goods and empowerment of women. There were 361 CMRCs functioning in the State upto November, 2019.

**10.36.3 Navtejaswini Maharashtra Rural Women Enterprises Development Project :** *Tejaswini* Maharashtra Rural Women Empowerment programme created 78,318 empowered SHGs and developed 300 CMRCs during the project period of 2007 to 2018. Under the programme livelihood opportunities were made available to seven lakh women, which helped them to improve their financial status. After the successful completion of *Tejaswini* programme, GoM sanctioned *Navtejaswini* Maharashtra Rural Women Enterprises Development Project. *Navtejaswini* focuses on empowerment of women by diversifying their income sources through cluster based enterprise



development, promotion of social enterprises & support services and facilitating enhanced market access. Under this programme, the target is to provide opportunities of livelihood to 10 lakh women during the period 2019 to 2024. The Government has sanctioned ₹ 528.55 crore with International Funds for Agricultural Development contribution of ₹ 335.40 crore and GoM contribution ₹ 193.15 crore.

## Maharashtra State Commission for Women

10.37 The Maharashtra State Commission for women is a statutory body which regularly holds hearings / public hearings on complaints filed by women victims, provides free legal services and counselling. An innovative initiative called 'Women Commission at your doorstep' was implemented extensively by organizing divisionwise and districtwise public hearings, with the primary objective to give victim women a platform to resolve their issues and interact unhesitantly. It also organises workshops, training programmes and seminars on women related issues viz. self defence programmes, awareness about gender equality, legal literacy, cyber crime, implementation of Prevention of Domestic Violence Act, 2005, Sexual Harassment of Women at Workplace (Prevention, prohibition & redressal) Act, 2013, rehabilitation of acid attack victims, preparation of guidelines for crèche, etc. During 2018-19, an expenditure of ₹ 5.96 crore was incurred and during 2019-20 upto November, an expenditure of ₹ 5.67 crore was incurred on these activities.

### Crimes against women

10.38 'Crime against Women' is direct or indirect physical or mental cruelty to women. Crimes reported in which women are victims are given in Table 10.36.

**Table 10.36 Crimes reported in which women are victims**

| Type of offence                | (no.)         |               |               |
|--------------------------------|---------------|---------------|---------------|
|                                | 2017          | 2018          | 2019*         |
| Rape                           | 4,320         | 4,974         | 5,412         |
| Kidnapping & abduction         | 6,248         | 6,825         | 8,382         |
| Dowry deaths                   | 233           | 200           | 187           |
| Cruelty by husband & relatives | 6,584         | 6,862         | 7,564         |
| Molestation                    | 12,138        | 14,070        | 13,617        |
| Sexual harassment              | 919           | 1,127         | 1,033         |
| Immoral Trafficking            | 284           | 200           | 200           |
| Other                          | 1,271         | 1,239         | 1,172         |
| <b>Total</b>                   | <b>31,997</b> | <b>35,497</b> | <b>37,567</b> |

Source : Crime Investigation Department, GoM

\* Provisional

## Child Development

10.39 The State Child Policy for the children's rights, children care & protection and development was announced in 2014. The main objectives of the child policy are to take appropriate, constructive and reformatory measures to remove inequality, discrimination, injustice occurring on children due to social status, to give rights to every child for love & care, protection, co-operation and child rearing in a family or family like environment. Various children development schemes are implemented in the State.

10.39.1 **Integrated Child Protection Scheme** : Programmes such as shelter homes, special adoption resource agencies, child welfare committees, Juvenile Justice Boards, district child protection society, State child protection society, Government / NGO children homes, observation homes, after care homes, etc. are included under a new umbrella scheme namely Integrated Child Protection Scheme (ICPS). Componentwise expenditure incurred and beneficiaries under ICPS is given in the Table 10.37.

**Table 10.37 Componentwise expenditure incurred and beneficiaries under Integrated Child Protection Scheme**

(₹ Lakh)

| Component                    | No. of Units | 2018-19              |                      | 2019-20 <sup>+</sup> |                      |
|------------------------------|--------------|----------------------|----------------------|----------------------|----------------------|
|                              |              | Expenditure incurred | No. of beneficiaries | Expenditure incurred | No. of beneficiaries |
| Shelter homes                | 03           | 13.24                | 118                  | 18.94                | 121                  |
| Adoption agencies            | 17           | 88.13                | 236                  | 76.32                | 190                  |
| Government children homes    | 25           | 1,305.54             | 710                  | 483.99               | 873                  |
| Government observation homes | 12           | 562.38               | 163                  | 208.41               | 198                  |
| Government after care homes  | 06           | 275.01               | 147                  | 660.82               | 183                  |
| NGO observation homes        | 40           | 1,094.65             | 1,323                | 722.76               | 1,398                |
| NGO Children homes           | 470          | 3,830.39             | 20,261               | 3,433.33             | 17,740               |
| <b>Total</b>                 | <b>573</b>   | <b>7,169.34</b>      | <b>22,958</b>        | <b>5,604.57</b>      | <b>20,703</b>        |

Source : Commissionerate of Women and Child Development, GoM

+ upto November

**10.39.2 Observation homes :** Children in conflict with law and detained by police for judicial inquiry are admitted in these homes as per orders of Juvenile Justice Boards. Residential, medical, educational, counselling, vocational guidance, etc. facilities are provided to the inmates. There are 12 Government observation homes in 11 districts with intake capacity of 600 children upto December, 2019. In addition, there are 41 NGO observation homes (16 for girls and 25 for boys) with intake capacity of 3,057 children. The Government provides grant-in-aid of ₹ 2,000 per month per inmate.

**10.39.3 Children homes :** Children upto 18 years of age who need care & protection such as orphan, abandoned, missing, HIV / AIDS affected in need of special care, endangered & oppressed are admitted in these homes. They are rehabilitated by providing facilities like food, clothes, shelter, medical help, counselling, education, training and recreation. There are 25 Government children homes with intake capacity of 2,665 children. In addition, there are 470 NGO aided children homes with total intake capacity of 44,740 and 63 NGO un-aided children homes with intake capacity of 3,840 children. The Government provides ₹ 2,000 per month per inmate to these homes as grant-in-aid. Under the scheme, during 2018-19 an expenditure of ₹ 51.36 crore was incurred on 20,961 beneficiaries and during 2019-20, upto November, an expenditure of ₹ 39.17 crore was incurred on 18,613 beneficiaries.

**10.39.4 After care homes :** Children have to leave children homes after completing 18 years of age. However, some of them are not fully rehabilitated due to incomplete training or education and are in need of food, clothes and shelter. Such children are rehabilitated in after care homes. Residence, food, clothes, education, medical treatment, counselling, vocational guidance, etc. facilities are provided to the inmates till completion of education or getting employment. There are six Government and three NGO after care homes in the State with total intake capacity of 600 and 110 respectively. The Government provides grant-in-aid of ₹ 2,000 per month per inmate to these homes.

**10.39.5 Foster care scheme (Bal Sangopan Yojana) :** The scheme is being implemented in the State to provide family life to orphan, destitute, needy and homeless children. There are 137 NGOs in the State upto November, 2019. Under the scheme, foster care was given to 15,074 children during 2018-19 and 13,004 children during 2019-20, upto November.

**10.39.6 Chacha Nehru Bal Mahostav :** Chacha Nehru Bal Mahotsav is organised every year in the second week of November in each district and region to bring forth hidden qualities of all children preferably orphan, destitute, needy and homeless children admitted in Government / NGO

for rehabilitation to develop feeling of brotherhood and team spirit among them. Competitions like sports, games, elocution, etc. are organised and winners are awarded. The grants of ₹ five lakh for district level and ₹ 5.82 lakh for regional level are sanctioned. Under the scheme, during 2018-19 an expenditure of ₹ 130.12 lakh was incurred, whereas during 2019-20, upto December an expenditure of ₹ 97.61 lakh was incurred.

## Integrated Child Development Services

10.40 The objective of the Integrated Child Development Services (ICDS) programme is to provide integrated services for the proper growth and development of pre-school children in rural, tribal and slum areas. This programme is implemented through 97,475 *anganwadis*, 13,011 mini *anganwadis* and 553 Child Development Projects.

### Nutrition programme

10.40.1 The 'Supplementary Nutrition Programme' (SNP) is implemented under ICDS to meet the minimum nutritional requirements of children, pregnant women & lactating mothers and to provide health care to them. The SNP aims to provide nutritious diet to the children below six years of age and improve the health of pregnant women & lactating mothers belonging to the deprived sections of the society. It also aims to control malnourishment in remote and sensitive areas to minimise infant mortality. During 2018-19 an expenditure of ₹ 1,613.97 crore was incurred on 61.65 lakh beneficiaries and during 2019-20 upto November, an expenditure of ₹ 827.94 crore was incurred on 65.93 lakh beneficiaries. As per the World Health Organisation standards percentage of children of age 0-5 years according to nutrition grades is given in Table 10.38.

**Table 10.38 Percentage of children of age 0-5 years according to nutrition grades**

( per cent)

| Year                 | Area         | Children weighed (no.) | Normal      | Moderately Under weight | Severely Under weight |
|----------------------|--------------|------------------------|-------------|-------------------------|-----------------------|
| 2017-18              | Rural        | 39,97,399              | 92.5        | 6.4                     | 1.1                   |
|                      | Tribal       | 8,64,534               | 81.5        | 15.2                    | 3.3                   |
|                      | Urban        | 10,22,987              | 84.7        | 14.4                    | 0.9                   |
|                      | <b>Total</b> | <b>58,84,920</b>       | <b>89.6</b> | <b>9.1</b>              | <b>1.4</b>            |
| 2018-19              | Rural        | 38,64,180              | 92.8        | 6.2                     | 1.0                   |
|                      | Tribal       | 8,47,962               | 81.5        | 15.3                    | 3.3                   |
|                      | Urban        | 10,60,815              | 85.5        | 13.7                    | 0.8                   |
|                      | <b>Total</b> | <b>57,72,957</b>       | <b>89.8</b> | <b>8.9</b>              | <b>1.3</b>            |
| 2019-20 <sup>+</sup> | Rural        | 38,63,007              | 92.6        | 6.4                     | 1.1                   |
|                      | Tribal       | 8,51,232               | 80.8        | 15.7                    | 3.6                   |
|                      | Urban        | 10,13,701              | 85.4        | 13.8                    | 0.8                   |
|                      | <b>Total</b> | <b>57,27,940</b>       | <b>89.5</b> | <b>9.1</b>              | <b>1.4</b>            |

Source : Commissionerate of ICDS, GoM

+ upto December

10.41 Various children specific State and Centrally sponsored schemes are being implemented in the State.

10.41.1 **Scheme for adolescent girls :** The Scheme for adolescent girls is being implemented with an aim to encourage school drop out aged 11 to 14 years to rejoin school from February, 2019 across 553 ICDS projects in the State. The main objective of the scheme is to facilitate, educate and empower adolescent girls to become self-reliant and aware citizens. All adolescent girls are also given micronutrient food, take home ration, Iron & Folic Acid supplementation, de-worming

tablets, regular health check-ups and referral services in *anganwadis*. Under the Scheme, during 2019-20 upto December, an expenditure of ₹ 8.56 crore was incurred on 37,133 beneficiaries.

**10.41.2 *Beti Bachao Beti Padhao* :** The scheme aims to ensure or guarantee the survival, safety and education of the girl child and eradicate gender identity based on gender discrimination. The scheme is being implemented in all districts of the State except Palghar. Under the scheme, various programmes are being implemented such as *Jan-jagran* campaign to increase the birth rate of girls, registration of pregnant women, celebrating girls birth, organizing health camps, guidance on girls education, *gudda-guddy* board, writing down the numbers of births of boys & girls at public places and organise various district level contests.

**10.41.3 *Mazi Kanya Bhagyashree Yojana*:** The scheme aims to increase birth rate of girls, prevent prenatal sex determination, provide encouragement & assurance for girls education, improve the health status of girls and is applicable to families with girl children from all sections of society with annual family income upto ₹ 7.50 lakh. If mother / father in a family undergoes family planning operation after the birth of one girl child, a fixed deposit of ₹ 50,000 is kept in the bank in the name of the girl child. If mother / father in a family undergoes family planning operation after birth of two girl children, a fixed deposit of ₹ 25,000 is kept in the bank in the name of each girl child. Only interest can be withdrawn at the age of six & 12 years of the girl child and maturity amount (principle & interest) is payable after the completion of 18 years of age of girl child. Under the scheme, during 2018-19 an expenditure of ₹ 10.57 crore was incurred on 2,285 beneficiaries and during 2019-20 upto November, an expenditure of ₹ 86.55 crore was incurred on 1,828 beneficiaries.

**10.41.4 *Village Child Development Centre* :** Under the ICDS scheme, Village Child Development Centres have been started at village / *anganwadi* level for eliminating Severely Acute Malnutrition (SAM). SAM children are kept in the *anganwadi* all day for a month. Medical advice is provided with the specially designed Energy Dense Nutritional Food for elimination of malnutrition among SAM children. In *anganwadi*, children are fed an additional three times diet with the regular diet and all medical facilities are given. Under the scheme, during 2018-19 an expenditure of ₹ 11.71 crore was incurred on 14,802 SAM children and during 2019-20 upto November, an expenditure of ₹ 0.07 crore was incurred on 10,477 SAM children.

**10.41.5 *Parenting & Education in Early Childhood* :** Maharashtra State Council for Education Research and Training developed '*Balshikshankram*' curriculum for the age group of three to five years, based on the developmental stages of a child and pedagogy. This curriculum was termed as '*Aakar*'. Children are being educated in all *anganwadis* through '*Aakar*' child education programme.

### Crimes against children

10.42 The offences committed against the children or the crimes in which children are the victims are termed as crimes against children. Crimes reported in which children are victims are given in Table 10.39.

**Table 10.39 Crimes reported in which children are victims**

| Type of crime          | (no.)         |               |               |
|------------------------|---------------|---------------|---------------|
|                        | 2017          | 2018          | 2019*         |
| Murder                 | 147           | 169           | 130           |
| Of which,              |               |               |               |
| Infanticide            | 24            | 22            | 09            |
| Other                  | 123           | 11            | 10            |
| Child rape             | 2,305         | 2,688         | 2,493         |
| Kidnapping & abduction | 8,850         | 9,174         | 8,871         |
| Abandonment            | 123           | 110           | 103           |
| Other                  | 4,109         | 3,370         | 2,970         |
| <b>Total</b>           | <b>15,681</b> | <b>15,544</b> | <b>14,586</b> |

Source : State Crime Record Bureau, GoM

+ upto December

## EMPLOYMENT AND POVERTY

10.43 Poverty alleviation through employment generation is one of important objectives in the planned development. Acceleration of economic growth, which is employment intensive, facilitates in reduction of the poverty in the long run. With a special focus on employment generation, successive plan strategies and programmes are designed and implemented by the Government.

### EMPLOYMENT

10.44 The main sources for data on employment status are Population Census, Economic Census, Periodic Labour Force Survey (PLFS) and National Sample Survey. The data on employment in the factories (registered under Factory Act, 1948) is available through statutory returns. Besides this, data on employment from public and private sector establishments is collected under Employment Market Information Programme.

#### Employment as per Population Census

10.45 As per Population Census 2011, there were 4.94 crore workers in the State, of which 34 per cent were females. As per Census 2011, the percentage of workers working in agriculture and allied activities sector was 46.1 per cent, whereas it was 45.1 per cent in Census 2001. As per Census 2011, the percentage of female main workers was 31.5 per cent and that of female marginal workers was 53.6 per cent. As per Population Census 2011, the percentage distribution of workers by industrial category in the State is given in Table 10.40 and the percentage distribution of workers by occupation in the State is given in Table 10.41. Economic classification of workers as per Population Census 2011 is given in Annexure 10.8.

**Table 10.40 Percentage distribution of workers by industrial category in the State**

| Industrial category                                | Percentage of workers |             |             |             |             |
|----------------------------------------------------|-----------------------|-------------|-------------|-------------|-------------|
|                                                    | 1971                  | 1981        | 1991        | 2001        | 2011        |
| <b>Main workers</b>                                | <b>100.0</b>          | <b>91.0</b> | <b>91.4</b> | <b>84.3</b> | <b>88.5</b> |
| <b>a) Agriculture and allied activities</b>        |                       |             |             |             |             |
| Cultivators                                        | 35.5                  | 31.9        | 30.0        | 24.8        | 23.2        |
| Agricultural labourers and fishing                 | 30.9                  | 26.0        | 25.9        | 20.3        | 22.9        |
| <b>b) Other than Agriculture activities</b>        |                       |             |             |             |             |
| Mining and Quarrying                               | 0.3                   | 0.3         | 0.3         | 0.4         | 0.2         |
| Manufacturing (Household & Non-Household Industry) | 13.1                  | 12.7        | 12.1        | 11.0        | 10.5        |
| Construction                                       | 1.5                   | 2.0         | 2.4         | 3.4         | 4.1         |
| Trade                                              | 6.7                   | 6.5         | 7.8         | 7.1         | 6.4         |
| Transport, Storage and communication               | 3.0                   | 3.0         | 3.4         | 4.3         | 5.8         |
| Other                                              | 9.0                   | 8.6         | 9.5         | 13.0        | 15.5        |
| <b>Marginal Workers</b>                            | @                     | 9.0         | 8.6         | 15.7        | 11.5        |
| <b>Total Workers (Crore)</b>                       | <b>1.84</b>           | <b>2.67</b> | <b>3.39</b> | <b>4.12</b> | <b>4.94</b> |

Source : ORGI

@ There was no classification as marginal workers

**Table 10.41 Percentage distribution of workers by occupation in the State**

(per cent)

| Type of Occupation                              | Total workers |        |       |
|-------------------------------------------------|---------------|--------|-------|
|                                                 | Male          | Female | Total |
| Legislators, Senior officials and Managers      | 9.0           | 4.2    | 8.0   |
| Professionals                                   | 6.0           | 7.3    | 6.3   |
| Technicians and Associate professionals         | 6.6           | 13.4   | 8.1   |
| Clerks                                          | 6.4           | 6.8    | 6.5   |
| Service workers and Shop & market sales workers | 13.4          | 8.3    | 12.3  |
| Skilled agricultural and fishery workers        | 1.5           | 1.6    | 1.5   |
| Craft and related trades workers                | 17.5          | 10.7   | 16.0  |
| Plant, machine operators and assemblers         | 12.1          | 2.7    | 10.0  |
| Elementary occupations                          | 17.8          | 18.8   | 18.1  |
| Workers not classified by occupations           | 9.6           | 26.1   | 13.2  |

Source : ORGI



## Employment as per Economic Census

10.46 The Sixth Economic Census (2013-14) covered all establishments excluding establishments engaged in crop & plantation, public administration, defence, compulsory social security services, activities of household as employers of domestic personnel, activities of extra territorial organisation & bodies and illegal activities. Number of establishments and employment by type of establishments in the State as per fifth and sixth economic census is given in Table 10.42.

**Table 10.42 Number of establishments and employment therein as per fifth and sixth Economic Census in the State**

(Lakh)

| Particular                                          | Fifth Economic Census <sup>@</sup> | Sixth Economic Census | CAGR (per cent) |
|-----------------------------------------------------|------------------------------------|-----------------------|-----------------|
| Total establishments                                | 41.53                              | 61.37                 | 5.0             |
| Agricultural establishments                         | 6.04                               | 15.92                 | 12.9            |
| Non-agricultural establishments                     | 35.49                              | 45.46                 | 3.1             |
| Persons employed in total establishments            | 105.27                             | 145.12                | 4.0             |
| Persons employed in agricultural establishments     | 10.51                              | 26.39                 | 12.2            |
| Persons employed in Non-agricultural establishments | 94.76                              | 118.73                | 2.9             |

<sup>@</sup> For meaningful comparison of Fifth and Sixth Economic Censuses public administration, defence & compulsory social security service activities reported in Fifth economic census are not considered.

Source : DES, GoM

## Employment as per Periodic Labour Force Survey

10.47 The labour force data always remains crucial for planning and policy formulation. National Statistical Office of GoI launched Periodic Labour Force Survey (PLFS) in April, 2017. The objective of PLFS is primarily to measure the dynamics in labour force participation and employment status in a short time interval of three months for urban areas only in the Current Weekly Status (CWS). Thus, in every quarter, PLFS brings out the level and change in the estimates of the key labour force indicators in CWS viz., Worker population ratio (WPR), Labour Force Participation Rate (LFPR), Unemployment Rate (UR).

10.47.1 The age group wise quarterly unemployment rate during 2018-19 (quarterly) according to current weekly status for urban areas of the State is given in Table 10.43.

**Table 10.43 Quarterly unemployment rate for 2018-19 according to current weekly status for urban areas of the State**

(per cent)

| Period          | Male      |                | Female    |                | Total     |                |
|-----------------|-----------|----------------|-----------|----------------|-----------|----------------|
|                 | 15-29 yrs | 15 yrs & above | 15-29 yrs | 15 yrs & above | 15-29 yrs | 15 yrs & above |
| Apr.-Jun., 2018 | 16.9      | 7.2            | 31.8      | 15.0           | 20.5      | 8.9            |
| Jul.-Sep., 2018 | 17.8      | 8.2            | 34.1      | 16.0           | 21.5      | 9.9            |
| Oct.-Dec., 2018 | 18.3      | 7.9            | 31.9      | 15.4           | 21.8      | 9.6            |
| Jan.-Mar., 2019 | 14.6      | 6.9            | 25.4      | 13.0           | 17.4      | 8.3            |

Source : National Statistical Office, GoI

10.47.2 The unemployment rate for 2017-18 and 2018-19 according to current weekly status for urban areas of the selected States is given in Table 10.44.

**Table 10.44 The unemployment rate according to current weekly status for urban areas in selected States**

(per cent)

| State              | 2017-18    | 2018-19         |                 |                 |                 |
|--------------------|------------|-----------------|-----------------|-----------------|-----------------|
|                    |            | Apr.-Jun., 2018 | Jul.-Sep., 2018 | Oct.-Dec., 2018 | Jan.-Mar., 2019 |
| Andhra Pradesh     | 8.7        | 7.4             | 7.7             | 8.1             | 8.5             |
| Bihar              | 9.6        | 11.4            | 12.4            | 13.4            | 10.4            |
| Gujarat            | 4.6        | 4.5             | 4.8             | 4.5             | 4.1             |
| Karnataka          | 7.3        | 6.1             | 6.3             | 5.9             | 4.3             |
| Madhya Pradesh     | 10.6       | 13.2            | 10.8            | 11.4            | 12.4            |
| <b>Maharashtra</b> | <b>9.1</b> | <b>8.9</b>      | <b>9.9</b>      | <b>9.6</b>      | <b>8.3</b>      |
| Punjab             | 8.7        | 8.4             | 9.3             | 7.0             | 7.6             |
| Rajasthan          | 9.3        | 11.0            | 10.2            | 10.9            | 10.2            |
| Tamil Nadu         | 9.4        | 9.2             | 8.7             | 8.4             | 9.0             |
| Uttar Pradesh      | 12.1       | 15.1            | 12.8            | 15.8            | 12.5            |
| West Bengal        | 8.8        | 7.4             | 8.8             | 8.0             | 7.4             |
| <b>All-India</b>   | <b>9.6</b> | <b>9.8</b>      | <b>9.7</b>      | <b>9.9</b>      | <b>9.3</b>      |

Source : National Statistical Office, GoI

10.47.3 The age-group wise Worker Population Ratio (WPR) for 2018-19 according to current weekly status for urban areas in the State is given in Table 10.45.

**Table 10.45 Worker population ratio (WPR) for 2018-19 according to current weekly status for urban areas of the State**

(per cent)

| Period          | Male      |                |      | Female    |                |      | Total     |                |      |
|-----------------|-----------|----------------|------|-----------|----------------|------|-----------|----------------|------|
|                 | 15-29 yrs | 15 yrs & above | All  | 15-29 yrs | 15 yrs & above | All  | 15-29 yrs | 15 yrs & above | All  |
| Apr.-Jun., 2018 | 47.9      | 68.3           | 52.2 | 12.4      | 17.2           | 13.4 | 30.0      | 42.8           | 33.0 |
| Jul.-Sep., 2018 | 48.5      | 67.5           | 52.6 | 12.0      | 17.3           | 13.7 | 30.5      | 42.5           | 33.4 |
| Oct.-Dec., 2018 | 47.3      | 68.0           | 52.9 | 13.6      | 18.7           | 14.8 | 30.5      | 43.2           | 33.9 |
| Jan.-Mar., 2019 | 50.3      | 68.9           | 53.4 | 15.5      | 19.6           | 15.4 | 33.2      | 44.3           | 34.6 |

Source : National Statistical Office, GoI

10.47.4 The percentage distribution of persons working according to current weekly status by broad industry of work for age-group 15 yrs & above, for urban areas in the State is given in Table 10.46.

**Table 10.46 Working persons according to current weekly status, by broad industry of work for age-group 15 yrs & above, for urban areas in the State**

(per cent)

| Industry of work | 2017-18     |       | 2018-19         |                 |                 |                 |                 |                 |                 |                 |
|------------------|-------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                  | Maharashtra | India | Maharashtra     |                 |                 |                 | India           |                 |                 |                 |
|                  |             |       | Apr.-Jun., 2018 | Jul.-Sep., 2018 | Oct.-Dec., 2018 | Jan.-Mar., 2019 | Apr.-Jun., 2018 | Jul.-Sep., 2018 | Oct.-Dec., 2018 | Jan.-Mar., 2019 |
| Agriculture      | 3.9         | 5.7   | 3.9             | 4.4             | 3.7             | 3.2             | 5.4             | 5.8             | 5.5             | 5.3             |
| Secondary        | 30.4        | 34.2  | 31.1            | 30.0            | 30.2            | 30.4            | 34.3            | 33.8            | 34.3            | 33.7            |
| Tertiary         | 65.7        | 60.1  | 65.0            | 65.6            | 66.1            | 66.4            | 60.3            | 60.4            | 60.2            | 61.0            |

Source : National Statistical Office, GoI

## Factory employment

10.48 The Factories Act, 1948 is amended and implemented as Factories Act (Maharashtra Amendment, 2015) from 1<sup>st</sup> February, 2016. During 2019, the average daily employment in 35,580 working factories registered under Factory Act was about 28.87 lakh. Of the total working factories, 26.1 per cent had 50 or more workers. Industry wise percentage distribution of average daily employment in the State is given in Table 10.47. The average daily employment in different industries in the State is given in Annexure 10.9 and working factories & factory employment in the State is given in Annexure 10.10.

**Table 10.47 Percentage distribution of average daily employment**

| Type of Industry     | Year         |              |              |
|----------------------|--------------|--------------|--------------|
|                      | 2017         | 2018         | 2019         |
| Consumer goods       | 24.7         | 25.0         | 24.5         |
| Reconstruction goods | 20.5         | 20.3         | 18.8         |
| Capital goods        | 11.9         | 11.2         | 11.2         |
| Others               | 42.9         | 43.4         | 45.5         |
| <b>All</b>           | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> |

Source : Directorate of Industrial Safety and Health, GoM

## Employment Market Information Programme

10.49 The main objective of Employment Market Information (EMI) Programme is to provide information about the structure of employment in public and private sectors for monitoring the changes in the level of employment. The number of establishments in public and private sectors and employment therein is collected quarterly under EMI Programme. It covers establishments employing 25 or more employees in Greater Mumbai and 10 or more employees in other areas of the State. The total employment in the State for the year 2019-20 upto June, was 72.03 lakh, of which 27.5 per cent were females. Of the total employment 30.9 per cent was in public sector. The employment in public and private sector under EMI Programme is given in Table 10.48.

**Table 10.48 Employment in public & private sectors as per EMI Programme**

(‘000)

| Year              | Public Sector |        |       | Private Sector |        |       | Total |        |       |
|-------------------|---------------|--------|-------|----------------|--------|-------|-------|--------|-------|
|                   | Male          | Female | Total | Male           | Female | Total | Male  | Female | Total |
| 2017              | 1,523         | 564    | 2,087 | 3,353          | 1,310  | 4,664 | 4,876 | 1,875  | 6,751 |
| 2018              | 1,667         | 616    | 2,283 | 3,644          | 1,423  | 5,067 | 5,311 | 2,039  | 7,350 |
| 2019 <sup>+</sup> | 1,633         | 592    | 2,225 | 3,586          | 1,392  | 4,978 | 5,219 | 1,984  | 7,203 |

Source : Directorate of Skill development, Employment & Entrepreneurship, GoM

+upto June

## Employment in the State Government services

10.50 As on 1<sup>st</sup> July, 2019 total sanctioned posts in group A to D in the State Government services was 7.19 lakh and number of vacant posts were 1.93 lakh (26.8 per cent). Groupwise employees in the State Government Services is given in Table 10.49.

**Table 10.49 Groupwise employees in the State Government services**

(As on 1<sup>st</sup> July, 2019) (Lakh)

| Group          | Posts <sup>*</sup> |             |             |
|----------------|--------------------|-------------|-------------|
|                | Sanctioned         | Filled in   | Vacant      |
| A              | 0.40               | 0.26        | 0.14        |
| B              | 0.71               | 0.44        | 0.25        |
| C              | 4.78               | 3.62        | 1.07        |
| D              | 1.30               | 0.80        | 0.47        |
| <b>A to D</b>  | <b>7.19</b>        | <b>5.12</b> | <b>1.93</b> |
| E <sup>#</sup> | 2.71               | 2.22        | 0.38        |
| <b>Total</b>   | <b>9.91</b>        | <b>7.34</b> | <b>2.31</b> |

# Employees on daily wages, honorarium, *aunshkalin* and pay scale not applicable.

\* Provisional

Note : Figures may not add up to totals due to rounding

Source : DES, GoM



## Skill development, employment and entrepreneurship guidance centres

10.51 Skill development, employment and entrepreneurship guidance centres have been established to counsel, guide & help the jobseekers in the State regarding employment & self-employment. In all, 51 such centres are functioning in the State, of which 36 are at district level, six in universities, eight for tribal candidates and one special centre for differently abled persons.

10.51.1 As on 31<sup>st</sup> December, 2019 the number of persons on the live register of these centres was 49.90 lakh. During 2019 upto December number of persons registered with these centres was 7.86 lakh and about 2.00 lakh persons were placed against 4.67 lakh notified vacancies. The details of notified vacancies, placement and persons on the live register according to educational qualification are given in Annexure 10.11 and Annexure 10.12 respectively.

## Skill development and employment generation programmes

10.52 Various employment generation and skill development programmes are being implemented by GoI as well as GoM.

### Promotion of employment programmes

10.52.1 The State Government is implementing following programmes for promotion of employment in the State.

- **Employment promotion programme:** On-the-Job training or other practical training to educated unemployed persons. During 2018-19, total 27,049 candidates were trained in this programme whereas during 2019-20 upto September 10,628 candidates were trained, out of which 1,960 were females.
- **Apprenticeship training programme:** Supply of skilled manpower to industries through apprenticeship training.
- **Entrepreneurial development training programme:** Motivate and train the educated unemployed youths for self-employment.

Beneficiaries and expenditure incurred under Employment Promotion Programmes is given in Table 10.50.

**Table 10.50 Beneficiaries and expenditure under employment promotion programmes**

| Programme                                         | Beneficiaries (number) |         |                      | Expenditure incurred (₹ Lakh) |          |                      |
|---------------------------------------------------|------------------------|---------|----------------------|-------------------------------|----------|----------------------|
|                                                   | 2017-18                | 2018-19 | 2019-20 <sup>+</sup> | 2017-18                       | 2018-19  | 2019-20 <sup>+</sup> |
| Employment promotion <sup>@</sup>                 | 28,038                 | 27,049  | 20,501               | 192.47                        | 258.75   | 75.33                |
| Apprenticeship training <sup>\$</sup>             | 30,259                 | 28,379  | 29,463               | 1,029.39                      | 1,094.09 | 1,167.58             |
| Entrepreneurial development training <sup>#</sup> | 38,123                 | 34,963  | 59                   | 1,435.17                      | 1,262.18 | 1.86                 |

Source : @ Directorate of Skill development, Employment & Entrepreneurship, GoM

<sup>+</sup> upto December

\$ Directorate of Vocational Education and Training, GoM

# Directorate of Industries, GoM

10.52.2 The State is organising job fairs in all districts since 2009-10 to provide employment opportunities to skilled job seekers and also making available skilled manpower to industries. Job fairs organised and employment provided is given in Table 10.51.

**Table 10.51 Job fairs organised and employment provided**

(no.)

| Particulars                | 2017-18  | 2018-19  | 2019-20 <sup>+</sup> |
|----------------------------|----------|----------|----------------------|
| Job fairs                  | 264      | 171      | 98                   |
| Entrepreneurs participated | 3,177    | 2,190    | 1,070                |
| Youths attended job fairs  | 1,63,503 | 1,67,641 | 53,421               |
| Employment provided        | 61,520   | 47,421   | 13,780               |

Source : Directorate of Skill development, Employment & Entrepreneurship, GoM

<sup>+</sup> upto December

10.52.3 **Pramod Mahajan Kaushlya va Udyojakta Vikas Abhiyan (PMKUYA)** was launched by Maharashtra State Skill Development Society (MSSDS) in September, 2015 to achieve the goal of 'Skilled Maharashtra, Employable Maharashtra'. Under the programme, skill development training is provided to the youths in the age group of 15 to 45 years thereby creating opportunities for employment and entrepreneurship. Performance of PMKUYA is given in Table 10.52.

**Table 10.52 Performance of PMKUYA**

| Year    | No. of Candidates |                    |                      |        | Employed/Self employed candidates | Expenditure incurred (₹ Crore) |
|---------|-------------------|--------------------|----------------------|--------|-----------------------------------|--------------------------------|
|         | Under training    | Completed training | Completed assessment | Total  |                                   |                                |
| 2016-17 | 8,423             | 5,798              | 63,314               | 77,535 | 32,613                            | 17.09                          |
| 2017-18 | 3,070             | 1,958              | 36,635               | 41,663 | 22,432                            | 92.15                          |
| 2018-19 | 970               | 3,712              | 30,625               | 35,307 | 5,659                             | 80.74                          |

Source : Maharashtra State Skill Development Society, GoM

10.52.4 **Industry Linked Skill Development Programme** - For imparting training to youths for updated skills required by industries, Memorandum of Understandings (MoU) has been signed by MSSDS with 171 major industrial groups. Under this, 9.87 lakh youths undergoing skill development training are planned to provide employment in three years. During 2019-20 upto October, total 2.28 lakh youths were skilled and 1.18 lakh youths were provided employment or self employment.

10.52.5 **Pradhan Mantri Kaushalya Vikas Yojana (PMKVY 2.0)** is hundred per cent centrally sponsored programme being implemented in the State through MSSDS. The objective of PMKVY is to enable the youths to take up industry relevant skill training for helping them in securing a better livelihood. Under the programme 55 training institutes are selected for imparting training. During 2019-20 upto October, training is being imparted to 16,394 candidates and employment/self employment was provided to 631 youths.

10.52.6 From 2018-19 a special project related to agriculture sector is being implemented under PMKVY in the State. The main objective of this project is to increase the income of marginal farmers by developing them into successful entrepreneurs by applying advanced technology based farming and cultivating systems. Under the programme, class training of three days and practical training of eight weeks (80 hours) duration are provided. From December, 2018 to October, 2019 training is being imparted to 2,22,613 farmers.

### **Mahatma Gandhi National Rural Employment Guarantee Act**

10.53 National Rural Employment Guarantee Act is being implemented in all the districts except Mumbai city and Mumbai Suburban districts as Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA). Under this act, Mahatma Gandhi National Rural Employment Guarantee Scheme and State Funded Scheme are being implemented.

10.53.1 **Mahatma Gandhi National Rural Employment Guarantee Scheme** - Maharashtra:- Under the scheme, the GoI guarantees 100 days employment per household in a year to rural families whose adult member volunteers to do unskilled manual work. GoI provides grants for expenditure on employment upto 100 days per household. Additional expenditure on wages beyond 100 days per household is borne by GoM. The performance of MGNREGA in the State is given in Table 10.53. Categorywise number of works and expenditure incurred is given in Annexure 10.13.

**Table 10.53 Performance of MGNREGA in the State**

| Particulars                                  | 2017-18  | 2018-19  | 2019-20 <sup>+</sup> |
|----------------------------------------------|----------|----------|----------------------|
| No. of households provided employment (Lakh) | 16.98    | 17.93    | 13.83                |
| Person days generated (Crore)                | 8.25     | 8.46     | 5.18                 |
| Average employment per household (days)      | 49       | 47       | 47                   |
| Share in employment of (per cent)            |          |          |                      |
| Scheduled Castes                             | 9.7      | 10.5     | 11.3                 |
| Scheduled Tribes                             | 20.1     | 20.0     | 19.3                 |
| Women                                        | 45.5     | 44.9     | 43.5                 |
| Number of works completed                    | 2,39,803 | 3,15,047 | 2,90,958             |
| Total expenditure incurred (₹ Crore)         | 2,294.79 | 2,388.66 | 1,454.15             |
| Cost of generating one day of employment (₹) | 278      | 282      | 281                  |

Source: Planning Department, (EGS) GoM.

+ upto February

**10.53.2 State Funded Scheme** - As per Maharashtra Rural Employment Guarantee Act, 1977 section (7) (Ten) 11,000 *Sinchan Vihir yojana* for Nagpur region and Farm Pond on demand schemes are being implemented with State Fund. The performance of State funded schemes is given in Table 10.54.

### National Rural Livelihood Mission

10.54 The State Government is implementing Maharashtra State Rural Livelihood Mission (MSRLM-UMED) since 2011 under National Rural Livelihood Mission (NRLM). Building strong institutions for the underlying poor, earning employment opportunities for the self-employed and skilled wages to the poor families and thereby reducing poverty, resulting in significant improvement in their livelihood on a sustainable basis is the aim of this mission. During 2019-20 upto November, total credit linkage of ₹ 726.60 crore was disbursed to 48,754 Self Help Groups. The performance of the mission is given in Table 10.55.

**Table 10.54 Performance of State funded schemes**

| Particulars                                               | 2019-20 <sup>^</sup> |
|-----------------------------------------------------------|----------------------|
| <b>Farm pond on demand</b>                                |                      |
| No. of works completed                                    | 1,37,903             |
| No. of works under progress                               | 2,496                |
| Subsidy disbursed (₹ Crore)                               | 609.04               |
| <b>11,000 <i>Sinchan Vihir yojan</i> in Nagpur region</b> |                      |
| Target                                                    | 11,614               |
| No. of work orders issued                                 | 11,593               |
| No. of wells completed                                    | 10,323               |
| No. of wells under progress                               | 156                  |
| Subsidy disbursed (₹ Crore)                               | 267.00               |

<sup>^</sup> Since inception of scheme

Source: Planning Department, (EGS), GoM

**Table 10.55 Performance of MSRLM-UMED**

| Particulars                    | 2017-18  | 2018-19   | 2019-20 <sup>+</sup> |
|--------------------------------|----------|-----------|----------------------|
| SHGs formed (no.)              | 70,878   | 1,16,542  | 89,111               |
| Members of SHGs                | 7,79,658 | 12,46,992 | 9,35,665             |
| Grants received (₹ Crore)      | 225.47   | 403.43    | 320.45               |
| Expenditure incurred (₹ Crore) | 215.72   | 489.97    | 204.49               |
| SHGs given loans (no.)         | 77,400   | 1,00,616  | 48,754               |
| Credit Linkage (₹ Crore)       | 1,113.64 | 1,523.18  | 726.60               |

Source: Rural Development Department, GoM.

+ upto November

### Deendayal Antyodaya Yojana - National Urban Livelihood Mission

10.55 *Deendayal Antyodaya Yojana* - National Urban Livelihood Mission (DAY NULM) : The aim of mission is to reduce poverty and vulnerability of the urban poor households by enabling them to access self-employment and skilled wage employment opportunities. This mission implemented in 53 Urban Local Bodies (ULBs) of the State since August, 2014. From May, 2017 the mission is being implemented in 259 ULBs. Under the mission, Employment through Skill Training and Placement is implemented through MSSDS. The performance of the mission is given in Table 10.56.

**Table 10.56 Performance of DAY NULM in the State**

| Particulars                                              | 2017-18 | 2018-19 | 2019-20 <sup>+</sup> |
|----------------------------------------------------------|---------|---------|----------------------|
| <b>Fund Released</b>                                     |         |         |                      |
| GoI (₹ Crore)                                            | 0.00    | 0.00    | 0.00                 |
| State (₹ Crore)                                          | 0.08    | 0.23    | 0.35                 |
| <b>Formation of SHGs</b>                                 |         |         |                      |
| Target (Number)                                          | 11,600  | 10,000  | 12,570               |
| Achievement (Number)                                     | 12,399  | 17,956  | 7,302                |
| <b>Revolving Fund</b>                                    |         |         |                      |
| Target (Number)                                          | 10,600  | 6,500   | 12,570               |
| Achievement (Number)                                     | 8,609   | 15,498  | 5,604                |
| Expenditure incurred (₹ Crore)                           | 8.61    | 15.50   | 5.60                 |
| <b>Employment through Skill Training &amp; Placement</b> |         |         |                      |
| Training - Target (Beneficiaries)                        | 62,030  | 62,500  | 97,025               |
| Achievement (Beneficiaries)                              | 35,225  | 95,991  | 45,048               |
| Placement - Target (Beneficiaries)                       | 27,993  | 35,000  | 67,918               |
| Achievement (Beneficiaries)                              | 9,446   | 27,189  | 14,409               |
| Expenditure incurred (₹ Crore)                           | 32.50   | 143.41  | 65.78                |
| <b>Self-Employment Programme</b>                         |         |         |                      |
| <b>Individual enterprises</b>                            |         |         |                      |
| Target (Beneficiaries)                                   | 8,699   | 6,900   | 8,834                |
| Achievement (Beneficiaries)                              | 4,425   | 6,667   | 941                  |
| Expenditure incurred (₹ Crore)                           | 1.01    | 0.89    | 0.09                 |
| <b>Group enterprises</b>                                 |         |         |                      |
| Target (Beneficiaries)                                   | 1,067   | 500     | --                   |
| Achievement (Beneficiaries)                              | 470     | 485     | 71                   |
| Expenditure incurred (₹ Crore)                           | 0.21    | 0.12    | 0.04                 |
| <b>Bank linkage programme</b>                            |         |         |                      |
| Target (Beneficiaries)                                   | 3,078   | 2,700   | 6,220                |
| Achievement (Beneficiaries)                              | 2,991   | 8,220   | 3,837                |
| Expenditure incurred (₹ Crore)                           | 0.41    | 0.44    | 0.20                 |

Source: Directorate of Municipal Administration, GoM.

+ upto October

### Prime Minister employment generation programme

10.56 The Prime Minister employment generation programme is a centrally sponsored programme being implemented in the State since 2008-09. The main objective of this programme is to generate employment opportunities through setting up of new self-employment ventures of traditional artisans or unemployed youths to reduce migration to urban areas and increase employment opportunities by increasing wage earning capacity of artisans. The scheme is being implemented by Khadi & Village Industries Commission, Khadi & Village Industries Board and District Industry Centre. During 2018-19 total margin money of ₹ 148.09 crore was disbursed to 5,418 projects, thereby generating employment of 43,344. During 2019-20 upto January, total margin money of ₹ 74.15 crore was disbursed to 2,904 projects, thereby generating employment of 23,232.

### Seed money scheme

10.57 The scheme is being implemented by GoM to encourage unemployed youth to take up self-employment ventures through industry, service and business by providing soft loans from institutional finance to meet part of the margin money. Local unemployed person or a group of persons of age 18 to 45 years who have passed standard VII are eligible under the scheme. During 2018-19 seed money of ₹ 14.77 crore was disbursed to 1,545 projects, whereas during 2019-20 upto January seed money of ₹ 5.21 crore was disbursed to 787 self employed projects.

## Industrial Relations

10.58 During 2019, number of work stoppages (strikes and lockouts) were 31, which affected 9,572 employees against 25 work stoppages affecting 12,159 employees in the previous year. The number of person-days lost due to work stoppages during 2019 was 21.84 lakh as against 18.55 lakh during 2018. The details of industrial disputes in the State are given in Annexure 10.14.

## Maharashtra Building and Other Construction Workers Board

10.59 Building and other construction workers form the largest unorganized segment. The GoI enacted 'The Building & Other Construction Workers (Regulation of employment & condition of service) Act, 1996' with the objective to regulate the employment & condition of service and to provide safety, health & welfare measures for the construction & other construction workers.

10.59.1 Under the said Act, the State government passed 'The Maharashtra Building & Other Construction worker (Regulations of Employment & Condition of Service ) Rules, 2007'. 'Maharashtra Building and Other Construction Workers Board' was established to implement this act. This Board is entrusted to ensure and provide safety, health & welfare measures to building & other construction workers through various schemes. During 2018-19 the number of registered and working construction workers were 6,62,088 whereas in 2019-20 upto August 4,57,139 construction workers were registered. The number of beneficiaries under various schemes during the period 2014-15 to 2019-20 upto August, 2019 were 22,13,158 and an amount distributed to these beneficiaries for the same period was ₹ 1,004.42 crore.

## POVERTY

10.60 The erstwhile Planning Commission periodically estimated poverty lines and poverty ratios on the basis of large sample surveys on 'Household Consumer Expenditure' conducted quinquennially by the NSSO, GoI. Based on NSS 68<sup>th</sup> round data of 'Household Consumer Expenditure' survey, poverty estimates for the year 2011-12 have been estimated as per recommendations of Tendulkar Committee.

10.60.1 For 2011-12, the national poverty line is estimated at ₹ 816 per capita per month for rural areas and ₹ 1,000 per capita per month in urban areas. For the State, poverty line was estimated at ₹ 967 per capita per month in rural areas and ₹ 1,126 per capita per month for urban areas. Proportion of population below poverty line is 24.2 per cent for rural areas and 9.1 per cent for urban areas. The poverty line and headcount ratio of selected States for 2011-12 are given in Table 10.57.

**Table 10.57 Poverty line and headcount ratio of selected States for 2011-12**

| State              | Poverty line<br>( ₹ per capita per month) |              | Headcount ratio |             |             |
|--------------------|-------------------------------------------|--------------|-----------------|-------------|-------------|
|                    | Rural                                     | Urban        | Rural           | Urban       | All         |
| Andhra Pradesh     | 860                                       | 1,009        | 11.0            | 5.8         | 9.2         |
| Bihar              | 778                                       | 923          | 34.1            | 31.2        | 33.7        |
| Gujarat            | 932                                       | 1,152        | 21.5            | 10.1        | 16.7        |
| Karnataka          | 902                                       | 1,089        | 24.5            | 15.3        | 20.9        |
| Kerala             | 1,018                                     | 987          | 9.1             | 5.0         | 7.1         |
| Madhya Pradesh     | 771                                       | 897          | 35.7            | 21.0        | 31.7        |
| <b>Maharashtra</b> | <b>967</b>                                | <b>1,126</b> | <b>24.2</b>     | <b>9.1</b>  | <b>17.4</b> |
| Punjab             | 1,054                                     | 1,155        | 7.7             | 9.2         | 8.3         |
| Rajasthan          | 905                                       | 1,002        | 16.1            | 10.7        | 14.7        |
| Tamil Nadu         | 880                                       | 937          | 15.8            | 6.5         | 11.3        |
| Uttar Pradesh      | 768                                       | 941          | 30.4            | 26.1        | 29.4        |
| West Bengal        | 783                                       | 981          | 22.5            | 14.7        | 20.0        |
| <b>All- India</b>  | <b>816</b>                                | <b>1,000</b> | <b>25.7</b>     | <b>13.7</b> | <b>21.9</b> |

Source : Erstwhile Planning Commission, GoI

# As per recommendations of Tendulkar Committee



## HOUSING

10.61 'By 2030, ensure access for all to adequate, safe and affordable housing & basic services and upgrade slums' is one of the targets of Sustainable Development Goal 'Make cities & human settlements inclusive, safe, resilient & sustainable'. Due to rapid population growth & urbanisation, affordable housing in urban areas is a challenge. In order to address this challenge in rural and urban areas, the government is implementing various housing schemes such as *Pradhan Mantri Awaas Yojana*, Slum Rehabilitation Scheme, Revised Rajiv Gandhi *Grameen Niwara Yojana*, *Ramai Awaas Yojana*, etc. for different sections of the society.

### Urban Housing

10.62.1 For effective implementation of housing schemes in urban areas, the State has established Maharashtra Housing and Area Development Authority (MHADA), City & Industrial Development Corporation Limited (CIDCO) and Slum Rehabilitation Authority (SRA).

#### *Pradhan Mantri Awaas Yojana*

10.62.2 '*Pradhan Mantri Awaas Yojana* – Housing For All (PMAY- HFA)', is a flagship scheme of GoI under which the houses are to be made available to all by the year 2022. The scheme includes Economically Weaker Section (EWS), Low Income Group (LIG) and Middle Income Group (MIG) in urban areas. Under the scheme, the State has set a target of building 19.40 lakh houses. The State government has established Maharashtra Housing Development Corporation (MahaHousing) to speed up housing projects under PMAY. Under PMAY, home projects are being given 2.5 carpet area for residential zone and one carpet area for green or no development zone. Upto January, 2020, in all 13.49 lakh houses have been approved in 391 cities of the State under the scheme.

### Maharashtra Housing & Area Development Authority

10.62.3 GoM has established MHADA in the year 1977 for providing houses at affordable price in Mumbai and some parts of the State. Since inception upto November, 2019 MHADA has constructed and redeveloped 4,79,439 dwelling units. Dwelling units constructed by MHADA are given in Table 10.58.

**Table 10.58 Dwelling units constructed by MHADA**

|                      |       |       |     |     |           |       |               | (no.)                          |
|----------------------|-------|-------|-----|-----|-----------|-------|---------------|--------------------------------|
| Year                 | EWS   | LIG   | MIG | HIG | Tenements | Total | Transit camps | Expenditure incurred (₹ Crore) |
| 2017-18              | 1,051 | 4,017 | 292 | 267 | 9         | 5,636 | 1,894         | 1,259.14                       |
| 2018-19              | 1,931 | 2,402 | 553 | 212 | 18        | 5,116 | 3,295         | 1,250.57                       |
| 2019-20 <sup>+</sup> | 742   | 813   | 0   | 0   | 519       | 2,074 | 284           | 651.43                         |

EWS Monthly Income < ₹ 25,000/-

MIG Monthly Income ₹ 50,001/- to ₹ 75,000/-

Source : MHADA

LIG Monthly Income ₹ 25,001/- to ₹ 50,000/-

HIG Monthly Income > ₹ 75,001/-

+ upto November

10.62.4 Dwelling units constructed by various boards of MHADA during 2019-20 upto November are given in Table 10.59.

**Table 10.59 Dwelling units constructed by various boards of MHADA during 2019-20<sup>+</sup>**

(no.)

| MHADA Board  | EWS        | LIG        | MIG      | HIG      | Tenements  | Total        | Transit camps | Expenditure Incurred (₹ Crore) |
|--------------|------------|------------|----------|----------|------------|--------------|---------------|--------------------------------|
| Mumbai       | 114        | 660        | 0        | 0        | 487        | 1,261        | 284           | 273.71                         |
| Konkan       | 0          | 0          | 0        | 0        | 0          | 0            | 0             | 124.04                         |
| Nashik       | 0          | 0          | 0        | 0        | 32         | 32           | 0             | 17.56                          |
| Pune         | 0          | 153        | 0        | 0        | 0          | 153          | 0             | 149.47                         |
| Aurangabad   | 364        | 0          | 0        | 0        | 0          | 364          | 0             | 23.29                          |
| Amravati     | 0          | 0          | 0        | 0        | 0          | 0            | 0             | 31.54                          |
| Nagpur       | 264        | 0          | 0        | 0        | 0          | 264          | 0             | 31.82                          |
| <b>Total</b> | <b>742</b> | <b>813</b> | <b>0</b> | <b>0</b> | <b>519</b> | <b>2,074</b> | <b>284</b>    | <b>651.43</b>                  |

Source : MHADA

+ upto November

### City and Industrial Development Corporation Ltd. (CIDCO)

10.62.5 CIDCO is implementing housing development programme in a planned manner. Since inception (1970) upto March, 2019 CIDCO has constructed 1,83,110 tenements. Number of tenements constructed by CIDCO is given in Table 10.60.

**Table 10.60 Tenements constructed by CIDCO (since inception)**

( upto March, 2019)(no.)

| City         | EWS/LIG         | MIG           | HIG           | Total           | Expenditure incurred (₹ Crore) |
|--------------|-----------------|---------------|---------------|-----------------|--------------------------------|
| Navi Mumbai  | 64,641          | 35,245        | 28,736        | 1,28,622        | 2,476                          |
| Aurangabad   | 19,501          | 2,127         | 432           | 22,060          | 56                             |
| Nashik       | 21,343          | 2,619         | 582           | 24,544          | 42                             |
| Nanded       | 7,758           | 126           | 0             | 7,884           | 9                              |
| <b>Total</b> | <b>1,13,243</b> | <b>40,117</b> | <b>29,750</b> | <b>1,83,110</b> | <b>2,583</b>                   |

Source: CIDCO

10.62.6 Under PMAY- HFA (Urban), CIDCO has taken up housing scheme mainly for EWS and LIG categories comprising about 15,462 tenements (of which 5,454 are for EWS). Under the scheme, construction work has already been taken up at different locations such as Taloja, Kharghar, Kalamoli, Ghansoli and Dronagiri nodes of Navi Mumbai. Under the extended phase of PMAY scheme, from March, 2017, construction work of 7,905 tenements has started at Taloja, Navi Mumbai (of which 2,897 are for EWS).

### Slum Rehabilitation Scheme

10.62.7 Under the Slum Rehabilitation Scheme, tenements are being provided to families residing in slums. Since inception (1995) upto October, 2019 total 2,05,892 families residing in slums have been rehabilitated. The progress of the scheme is given in Table 10.61.



**Table 10.61 Progress of Slum Rehabilitation Scheme**

(no.)

| Year                 | Projects   |           | Tenements |           | Families rehabilitated |
|----------------------|------------|-----------|-----------|-----------|------------------------|
|                      | Sanctioned | Completed | Target    | Completed |                        |
| 2017-18              | 31         | 116       | 10,056    | 13,336    | 13,336                 |
| 2018-19              | 32         | 108       | 7,797     | 11,438    | 11,438                 |
| 2019-20 <sup>+</sup> | 13         | 39        | 2,596     | 5,178     | 5,178                  |

Source: Slum Rehabilitation Authority

+ upto October

## State housing schemes for SC & Neo-Buddhist

10.62.8 *Ramai Awaas Yojana* is a state scheme being implemented for the people belonging to SC & Neo-Buddhist community. The persons/families not included in the generated priority list of Socio Economic Caste Census 2011 and having annual income less than ₹ three lakh are covered under the scheme. The share of beneficiaries is 7.5 per cent and 10 per cent in the Municipal Council and Municipal Corporation area respectively. Under the scheme, subsidy of ₹ 2.50 lakh is being provided for construction of dwelling units of 323 sq ft area. The Progress of *Ramai Awaas Yojana* (Urban) is given in Table 10.62.

**Table 10.62 Progress of Ramai Awaas Yojana (Urban)**

| Year                 | Dwelling units (no.) |            |           |                    | Expenditure Incurred (₹ Crore) |
|----------------------|----------------------|------------|-----------|--------------------|--------------------------------|
|                      | Target               | Sanctioned | Completed | Under construction |                                |
| 2018-19              | 10,838               | 4,035      | 118       | 3,917              | 160.00                         |
| 2019-20 <sup>+</sup> | 18,185               | 1,295      | 0         | 1,295              | 60.00                          |

Source: Social Justice and Special Assistance Department, GoM

+ upto November

## MahaRERA

10.63 The State Government has established the Maharashtra Real Estate Regulatory Authority (MahaRERA) for regulation and promotion of real estate sector infusing transparency, citizen centricity, accountability and financial discipline in the State. Upto January, 2020, total 24,450 projects are registered with MahaRERA. MahaRERA received 10,171 complaints, of which 7,265 complaints were resolved.

## Rural Housing

10.64.1 The State Government is implementing various schemes for rural housing viz. *Pradhan Mantri Awaas Yojana*, Revised Rajiv Gandhi *Grameen Niwara Yojana-II*, *Shabari Awaas Yojana*, etc.

### *Pradhan Mantri Awaas Yojana*

10.64.2 Under the scheme, subsidy of ₹1.20 lakh is being provided to homeless and landless beneficiaries in rural areas and ₹1.30 lakh is being provided to beneficiaries in naxalite & hilly areas for construction of houses. The progress of PMAY is given in Table 10.63.

**Table 10.63 Progress of PMAY**

| Year                 | Dwelling units (no.) |           | Expenditure incurred (₹ Crore) |
|----------------------|----------------------|-----------|--------------------------------|
|                      | Target               | Completed |                                |
| 2017-18              | 1,50,934             | 1,19,532  | 1,515.91                       |
| 2018-19              | 68,464               | 47,748    | 628.14                         |
| 2019-20 <sup>+</sup> | 2,89,700             | 26,376    | 904.27                         |

Source: Rural Development Department, GoM + upto January

## Revised Rajiv Gandhi Grameen Niwara Yojana-II

10.64.3 The scheme is being implemented for Above Poverty Line (APL) beneficiaries in low income category for construction of houses. The cost of each house is fixed at ₹ one lakh of which, a loan of ₹ 0.90 lakh is provided through the lead bank in the district and the remaining ₹ 0.10 lakh is borne by the beneficiary. The interest component of the loan is borne by the GoM as a subsidy. Under the scheme, amount of ₹ 72.56 crore was disbursed to lead banks as interest component through MHADA upto November, 2019.

### State housing schemes for ST

10.64.4 *Shabari Awaas Yojana* is a state scheme being implemented in rural areas for the people belonging to ST community who are homeless or having *kutcha* house. From November, 2017 people belonging to *Paradhi* and *Aadim Jamati* are included under scheme. Under the scheme, subsidy of ₹ 1.32 lakh in general area and ₹ 1.42 lakh in naxalite & hilly areas is being provided to beneficiary who is not included in the generated priority list of Socio Economic Caste Census 2011 and having annual income less than ₹ 1.20 lakh for construction of dwelling units of area 269 sq ft. During 2019-20, target of construction of 38,153 dwelling units has set under the scheme. Of which 7,600 dwelling units were sanctioned and 111 dwelling units were constructed upto January, 2020.

### State housing schemes for SC & Neo-Buddhist

10.64.5 *Ramai Awaas Yojana* is a state scheme being implemented in rural areas for the people belonging to SC & Neo-Buddhist community in order to build the houses either on their own vacant land or on the land of *kutcha* house. The families those are not included in the generated priority list of Socio Economic Caste Census 2011 and having annual income less than ₹ 1.20 lakh are covered under the scheme. Under the scheme, subsidy of ₹ 1.32 lakh in rural areas and ₹ 1.42 lakh in naxalite & hilly areas is being provided for construction of dwelling units of 269 sq ft area. The progress of the scheme is given in the Table 10.64.

**Table 10.64 Progress of Ramai Awaas Yojana (Rural)**

| Year                 | Dwelling units (no.) |            |           |                    | Expenditure Incurred (₹ Crore) |
|----------------------|----------------------|------------|-----------|--------------------|--------------------------------|
|                      | Target               | Sanctioned | Completed | Under construction |                                |
| 2018-19              | 98,336               | 88,728     | 23,143    | 65,585             | 400.00                         |
| 2019-20 <sup>+</sup> | 91,247               | 490        | 0         | 490                | 300.00                         |

Source: Social Justice and Special Assistance Department, GoM

+ upto November

### Assistance for purchase of land

10.64.6 'Assistance for purchase of land under *Pandit Deendayal Upadhyaya Gharkul Yojana*' has been initiated for those beneficiaries who are eligible under *Pradhan Mantri Awaas Yojana* & other rural housing schemes, but are unable to get the benefit due to unavailability of land. Under the scheme, a financial assistance upto ₹ 0.50 lakh for purchase of 500 sq. ft land is provided. Since inception (2017) of the scheme upto January, 2020 financial assistance was provided to 3,500 beneficiaries.

## Water Supply and Sanitation

### Water Supply

10.65 One of the Sustainable Development goals is 'Ensure availability and sustainable management of water and sanitation for all'. Safe drinking water, personal hygiene and sanitation are essential in maintaining the health. Various schemes for providing safe and affordable drinking water and proper sanitation are being implemented in the State.

### National Rural Drinking Water Programme

10.66 The National Rural Drinking Water Programme (NRDWP), a flagship programme of GoI, is being implemented in the State since 2009. This programme aims at providing safe and adequate drinking water in rural areas. Since inception upto October, 2019, out of 49,526 target villages / *wadis* 39,493 (80 per cent) villages / *wadis* were tackled under the programme. Progress of NRDWP is given in Table 10.65.

**Table 10.65 Progress of NRDWP**

| Year    | No. of villages/ <i>wadis</i> tackled |                  | Expenditure incurred (₹ Crore) |
|---------|---------------------------------------|------------------|--------------------------------|
|         | Target                                | Achievement      |                                |
| 2016-17 | 1,891                                 | 1,270            | 854.00                         |
| 2017-18 | 978                                   | 638              | 474.47                         |
| 2018-19 | 748                                   | 635              | 654.26                         |
| 2019-20 | 1,206                                 | 120 <sup>+</sup> | 233.06 <sup>+</sup>            |

Source: Water Supply & Sanitation Department, GoM + upto October

10.66.1 NRDWP had set a strategic vision for the State to achieve at least 50 per cent of rural population have access to pipe water supply of 40 liter per capita per day and 35 per cent household to have tap connectivity by 2017. The State has achieved 83 per cent access of water supply to rural population and 38 per cent rural households were provided tap connectivity upto January, 2020.

### Dual Pump Piped Water Supply Scheme

10.67 Solar energy based dual pump piped water supply scheme, a component of NRDWP, is being implemented in the State since 2009. The small villages / habitations, which are either not electrified or where electrification is financially infeasible or where the supply of electricity is not sufficient, who are generally dependent on Hand Pumps for water supply, for such villages solar energy based dual pump piped water supply scheme is being implemented through Groundwater Surveys and Development Agency (GSDA). Under the scheme, total 4,609 solar energy based dual pumps, 2,915 electrical energy based dual pumps for piped water supply schemes are completed and an expenditure of ₹ 232.81 crore was incurred upto March, 2019. In all 305 solar energy based tap water supply schemes were completed and an expenditure of ₹ 7.73 crore has been incurred upto January, 2020.

### Mukhyamantri Rural Drinking Water Programme

10.68 In order to improve water supply and to provide clean and sufficient drinking water in the rural areas *Mukhyamantri* Rural Drinking Water Programme (MRDWP) is being implemented in the State since 2016-17 upto 2019-20. The programme is classified into three categories viz. (i) implementation of new water supply schemes, (ii) rejuvenation of non-functional regional water supply schemes and (iii) maintenance & repairs of regional rural water supply schemes. Disbursement of funds under MRDWP is given in Table 10.66.

**Table 10.66 Disbursement of fund under MRDWP**

| (₹ Crore)            |                         |                                                              |                                                             |
|----------------------|-------------------------|--------------------------------------------------------------|-------------------------------------------------------------|
| Year                 | New water supply scheme | Rejuvenation of non-functional regional water supply schemes | Maintenance & repairs of regional rural water supply scheme |
| 2016-17              | 256.36                  | 23.64                                                        | 80.00                                                       |
| 2017-18              | 227.13                  | 0.87                                                         | 12.00                                                       |
| 2018-19              | 123.89                  | 11.31                                                        | 8.00                                                        |
| 2019-20 <sup>+</sup> | 142.19                  | 5.62                                                         | 0.00                                                        |

Source: Water Supply &amp; Sanitation Department, GoM

+ upto January

## Water Sustainability

10.69 Drinking water sustainability a component of NRDWP, is being implemented with an objective of conservation of water by conventional and non-conventional measures. Under the programme, various measures for strengthening of drinking water sources such as rooftop rainwater harvesting, construction of tanks in hilly areas for storage of rainwater, recharge shaft and trench, cement *nala band*, well deepening, etc. are undertaken. Measures completed under drinking water sustainability programme are given in Table 10.67.

**Table 10.67 Measures completed under drinking water sustainability programme**

| Year                 | Villages/Habitation (no.) | Completed measures (no.) | Expenditure incurred (₹ Crore) |
|----------------------|---------------------------|--------------------------|--------------------------------|
| 2016-17              | 802                       | 4,396                    | 8.91                           |
| 2017-18              | 448                       | 1,480                    | 6.65                           |
| 2018-19              | 524                       | 1,902                    | 2.71                           |
| 2019-20 <sup>+</sup> | 110                       | 400                      | 0.91                           |

+ upto January

Source: Water Supply &amp; Sanitation Department, GoM

## Water Scarcity Mitigation Programme

10.70 Water scarcity mitigation programme is implemented every year from October to June in villages and *wadis* which are facing water scarcity. Under the programme, an amount of ₹ 530.54 crore was disbursed during 2018-19 and during 2019-20 upto January, ₹ 742.66 crore were disbursed. The regionwise amount disbursed under water scarcity mitigation programme is given in Table 10.68.

**Table 10.68 Region wise amount disbursed under water scarcity mitigation programme**

| (₹ Crore)    |               |                           |
|--------------|---------------|---------------------------|
| Region       | 2018-19       | 2019-20 <sup>+</sup>      |
| Konkan       | 16.67         | 16.05                     |
| Nashik       | 61.46         | 135.00                    |
| Pune         | 78.73         | 93.26                     |
| Aurangabad   | 241.43        | 315.48                    |
| Amravati     | 85.02         | 94.94                     |
| Nagpur       | 47.23         | 66.67                     |
| <b>Total</b> | <b>530.54</b> | <b>742.66<sup>@</sup></b> |

<sup>@</sup> Including Maharashtra Jeevan Pradhikaran + upto September

Source: Water Supply &amp; Sanitation Department, GoM

10.70.1 The State has undertaken various measures to tackle scarcity situation such as temporary piped water supply schemes, rejuvenation of bore wells and other water sources, water supply by tankers, etc. for scarcity affected villages and *wadis*. Number of villages and *wadis* covered under water scarcity mitigation programme is given in Table 10.69.

**Table 10.69 Villages and wadis covered under water scarcity mitigation programme**

(no.)

| Nature of Works                               | Villages             |                       | Wadis                |                       |
|-----------------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
|                                               | 2017-18 <sup>@</sup> | 2018-19 <sup>\$</sup> | 2017-18 <sup>@</sup> | 2018-19 <sup>\$</sup> |
| New bore wells                                | 3,489                | 3,622                 | 1,004                | 1,358                 |
| Temporary piped water supply- special repairs | 1,632                | 2,222                 | 177                  | 374                   |
| Special repairs of bore wells                 | 1,164                | 1,205                 | 492                  | 709                   |
| Temporary supplementary pipe connection       | 369                  | 465                   | 42                   | 51                    |
| Water supply by tankers/ bullock carts        | 1,857                | 5,607                 | 1,574                | 11,875                |
| Requisition of private wells                  | 4,886                | 6,831                 | 526                  | 1,412                 |
| Deepening/mud cleaning                        | 505                  | 833                   | 30                   | 116                   |

Source: Water Supply &amp; Sanitation Department, GoM

@ October, 2017 to June, 2018

\$ October, 2018 to September, 2019

10.70.2 GoM decided to reconnect permanently disconnected electric connections of water supply schemes by paying five per cent of principle amount of pending electricity bills, for water supply to citizen and livestock in drought areas. An amount of ₹ 142.02 crore was disbursed to pay current electricity bills during scarcity period November, 2018 to June, 2019.

### Jalswarajya – II Programme

10.71 Maharashtra is the first state in India to implement the *Jalswarajya-II* programme. The objective of this programme is to improve the planning, implementation and monitoring performance of rural water supply & sanitation services and also to improve access to quality and sustainable services in peri-urban villages, water stressed & water quality affected areas. Duration of the programme is of six years (2014 to 2020) and the total cost of the programme is ₹ 1,284 crore, of which 70 per cent share is of World Bank and 30 per cent share of GoM. *Jalswarajya-II* program is implemented in two districts of each region. The financial progress of *Jalswarajya-II* programme is given in Table 10.70.

**Table 10.70 Financial Progress of Jalswarajya -II**

(₹ Crore)

| Year                 | Disbursed Loans from World Bank | Amount disbursed by GoM | Expenditure incurred |
|----------------------|---------------------------------|-------------------------|----------------------|
| 2014-15              | -                               | 50.00                   | 50.00                |
| 2015-16              | 41.91                           | 21.50                   | 21.50                |
| 2016-17              | 35.24                           | 98.80                   | 98.80                |
| 2017-18              | 127.43                          | 160.00                  | 160.00               |
| 2018-19              | -                               | 144.00                  | 144.00               |
| 2019-20 <sup>+</sup> | 172.93                          | 108.00                  | 108.00               |
| <b>Total</b>         | <b>377.51</b>                   | <b>582.30</b>           | <b>582.30</b>        |

Source: Water Supply &amp; Sanitation Department, GoM + upto January

10.71.1 Under *Jalswarajya-II* programme, 63 piped water supply schemes are being implemented in peri-urban areas, of which 20 schemes are commissioned and remaining schemes are in progress. In all 72 community storage tanks and 50 water purification units are installed for ensuring safe and secured water supply to water stressed & water quality affected areas.

### Atal Mission for Rejuvenation and Urban Transformation

10.72 *Atal Mission (AMRUT)* covers 44 cities in the State which covers 76 per cent of urban population. The mission aims to give financial support to these cities for development of basic infrastructure facilities of water supply and sewerage on priority. Under the mission GoI has approved a plan of ₹ 7,757 crore for the period 2015-16 to 2017-18.

10.73.1 Under the mission from 2015-16 to 2019-20, total 37 water supply projects worth ₹ 4,312 crore were approved from 34 cities. Of which, six projects from five cities worth ₹ 251 crore were completed and water supply has been started and remaining projects of ₹ 4,061 crore are in progress.

10.72.2 Under the mission, from 2015-16 to 2019-20, an amount of ₹ 3,266 crore has been approved for 31 sewerage projects. By the end of November 2019, project for Nashik city ₹ 29 crore was commissioned.

10.72.3 Under the mission, from 2015-16 to 2019-20, the State has approved 128 'Green Spaces' (*Amrutvan*) projects worth of ₹ 179 crore. By the end of November, 2019, total 89 projects were commissioned.

### ***Maharashtra Suvarna Jayanti Nagarotthan Maha-Abhiyan***

10.73 *Maharashtra Suvarna Jayanti Nagarotthan Maha-Abhiyan* is being implemented in municipal corporations (D class), municipal councils and *nagar panchayats* in the State since 2010, with a view to create infrastructure in urban local bodies. Under the mission 191 projects worth ₹ 11,037.96 crore were approved which comprises of 98 water supply schemes, 35 sewerage and 58 other (road, storm water drain, flyover, solid waste management, etc.) projects.

10.74.1 By the end of November, 2019, out of 98 approved water supply projects worth of ₹ 4,773.20 crore were approved under the mission of which 18 projects worth ₹ 945.45 crore were completed. Out of 35 approved sewerage projects worth ₹ 2,320.45 crore, eight projects worth ₹ 819.29 crore were completed and out of 58 approved roads & other projects worth ₹ 3,944.31 crore, 30 projects of ₹ 1,821.25 crore were completed.

### **Sanitation**

10.74 Safe sanitation means promotion of safe disposal of human excreta, right use of toilet and avoiding open defecation as well as management of solid and liquid waste. An improved sanitation facility helps the environment and contributes towards socio-economic development of society. Various schemes are being implemented in the State to improve sanitation facilities.

### ***Swachh Bharat Mission (Rural)***

10.75 *Swachh Bharat Mission (Rural)* is being implemented in the State from 2<sup>nd</sup> October, 2014. The period of the Mission was upto 2<sup>nd</sup> October, 2019 (the 150<sup>th</sup> birth anniversary of Mahatma Gandhi). The objectives of the mission was to ensure cleanliness in rural areas, to stop the practice of open defecation, construction & sustained use of sanitary latrines at household level. The focus point of the mission was to make toilet facility available to every household and make India open defecation free (ODF), garbage free and adopt efficient solid waste management practices. Under the mission, the grants were given to Gram panchayats with regard to the criteria of population for mainly solid and liquid waste management.

10.75.1 Since inception of *Swachh Bharat Mission (Rural)* up to 11<sup>th</sup> November, 2019, in all 64.02 lakh families were provided with personal toilet facilities and 1.74 lakh families were provided with collective/ public toilet facility. The State has achieved 100 per cent sanitation coverage in all 34 districts, 351 *panchayat samitis* and 27,668 *grampanchayats* and the State has been declared as open defecation free on 18<sup>th</sup> April, 2018. Under the mission total expenditure incurred upto August, 2019 was ₹ 5,724.70 crore.

### ***Swachh Survekshan (Grameen) 2019***

10.76 The Department of Drinking Water and Sanitation (GoI) commissioned '*Swachh Survekshan (Grameen) 2019*' to rank all the districts of India on the basis of quantitative and qualitative sanitation (*Swachhata*) parameters. This ranking was done based on comprehensive set of parameters including surveys of public places like schools, *anganwadis*, *PHCs*, *Haat/ Bazaars*, *Panchayat* and citizen's perception of *swachhata* and their recommendation for improvement of the program.

### **Swachh Bharat Mission (Urban)**

10.77 As per Census 2011, in all 8,99,741 urban households were without toilet facility within their premises. Under the Swachh Bharat Mission in urban areas 6.82 lakh individual household toilets were constructed upto 31<sup>st</sup> March, 2019 and an expenditure of ₹ 939.55 crore was incurred. The GoI declared 384 cities from the State as ODF on 1<sup>st</sup> October, 2017 of which 142 cities were ODF+.

### **Swachh Maharashtra Mission (Urban)**

10.78 On the basis of *Swachh Bharat Mission*, GoM launched *Swachh Maharashtra Mission* on 15<sup>th</sup> May, 2015. The objective of mission to make cities Open Defecation Free (ODF) and to ensure scientific management of solid waste and sewerage including ensured behavioral changes regarding healthy sanitation practices by 2<sup>nd</sup> October, 2019. Under the mission about seven lakh individual household latrine (IHHL) were constructed. In the State, out of 384 cities 92 cities are having ODF status, 230 cities are ODF+ and 62 cities are ODF++. Maharashtra is one of the leading state in implementing state level policy for treatment of fecal sludge. The Government has sanctioned fecal sludge treatment plants (FSTP) for 311 urban local bodies, of which, 52 cities have initiated operations and remaining FSTPs are under construction.

### **Solid Waste Management (Urban)**

10.79 The campaign of '*Kachra lakh Molacha*' is being implemented in the State from 1<sup>st</sup> May, 2017, to segregate 100 per cent of the waste in the wet and dry form, at source of production in the cities. On an average every day 23,700 MT waste is generated in the State. Of which 88 per cent is collected by going door to door. About 60 per cent of the waste collected is segregated in the wet and dry form. About 55 per cent of collected waste is processed. All 384 cities in the State have started the process of segregation.

10.79.1 Compost fertilisers are being manufactured by scientifically processing the segregated wet waste. The State has registered '*Harit Mahacity compost*' brand for the sale and marketing of compost fertilisers generated by wet waste processing. The permission has been given to 73 cities in the State to use the '*Harit Mahacity compost*' brand for sale of compost fertilisers as per approved FCO norms. The State has decided to give an incentive grants of ₹ 1,500 per MT to urban local bodies for encouraging manufacturing of compost fertilisers made from disintegrated (wet) waste at the place of production.

### **Swachh Survekshan (Urban) 2019**

10.80 *Swachh Surveshan* urban 2019 was conducted at National level. In all 4,237 urban local bodies were participated in this *survekshan*. All 384 cities from the State participated in the *survekshan*. In top 100 *AMRUT* rank holders, 29 were from Maharashtra. In top 100 non *AMRUT* rank holders, 83 were from Maharashtra. Out of 193 awards 46 were grabbed by Maharashtra which was highest by any state.

### **Maharashtra Sujal and Nirmal Abhiyan**

10.81 The objective of the *Abhiyan* is to achieve adequate & qualitative services at affordable rates to implement technological, financial and managerial reforms in the sector of urban water supply, sewerage, toilet construction and solid waste management. Since inception (2008-09) upto January, 2020 administrative approval was given to 258 water supply and sanitation works worth ₹ 1,214.21 crore and an amount of ₹ 892.43 crore has been disbursed. An expenditure of ₹ 7.00 crore was incurred during 2018-19 and ₹ 11.99 crore during 2019-20 upto January.



## ENVIRONMENT CONSERVATION

10.82 The ecological degradation, environmental pollution & climate change are global concerns for human being. Considering these concerns, United Nations (UN) has considered environment as one of the important dimension while formulating Sustainable Development Goals. Exploitation of natural resources over the years has resulted in irrecoverable damage to environment. Maharashtra Pollution Control Board (MPCB) is implementing various environment laws to conserve the environment in the State.

### Air pollution

10.83 The natural composition of the atmosphere is gradually changing over the past few years, due to burning of fossil fuels, gases & toxins emitted by industries, transport, etc. resulting in Air pollution. Air (Prevention & Control of Pollution) Act, 1981 has been enacted for prevention, control and abatement of air pollution. National Air quality Monitoring Programme (NAMP) implemented by MPCB assesses the present and anticipated air pollution through continuous air quality monitoring systems at 77 stations spread across 27 cities in the State. Ambient air quality reported at major monitoring stations during 2019 is given in Table 10.71.

**Table 10.71 Ambient air quality reported at major monitoring stations during 2019**

| Monitoring Station                      | Concentration of air pollutants    |     |                                    |     |                                                |     |
|-----------------------------------------|------------------------------------|-----|------------------------------------|-----|------------------------------------------------|-----|
|                                         | Sulphur Dioxide (SO <sub>2</sub> ) |     | Nitrogen Oxides (NO <sub>x</sub> ) |     | Respirable Suspended Particulate Matter (RSPM) |     |
|                                         | Limit 80 µg/m <sup>3</sup>         |     | Limit 80 µg/m <sup>3</sup>         |     | Limit 100 µg/m <sup>3</sup>                    |     |
|                                         | Min                                | Max | Min                                | Max | Min                                            | Max |
| Mumbai - Sion                           | 4                                  | 30  | 12                                 | 204 | 21                                             | 381 |
| Pune - Swargate                         | 22                                 | 50  | 25                                 | 138 | 61                                             | 210 |
| Nashik - NMC Building                   | 4                                  | 17  | 9                                  | 38  | 3                                              | 138 |
| Aurangabad - CADA Office                | 7                                  | 24  | 22                                 | 65  | 49                                             | 97  |
| Amravati - Govt. College of Engineering | 4                                  | 16  | 9                                  | 18  | 22                                             | 102 |
| Nagpur - Civil Lines                    | 7                                  | 20  | 22                                 | 54  | 46                                             | 148 |

Source : MPCB

µg/m<sup>3</sup> microgram per cubic meter

10.84 The majority of carbon dioxide emissions arises from combustion of fossil fuels such as diesel, petrol and natural gas. Use of low sulphur content diesel, lead free petrol, CNG/ LPG as an alternative fuel, making Pollution Under Control (PUC) certificate mandatory, banning 15 years old vehicles and converting eight years old vehicles to CNG/ LPG are some of the important measures being taken to restrict air pollution. As on 31<sup>st</sup> December, 2019 of the total 371.22 lakh registered vehicles, 2.71 per cent were on LPG/ CNG & 0.07 per cent were on electricity. The number of registered vehicles on LPG/CNG and Electricity in the State is given in Table 10.72.

**Table 10.72 Number of registered vehicles on LPG/CNG and Electricity in the State**

| (no.)                |           |             |                |
|----------------------|-----------|-------------|----------------|
| Year                 | Total     | Of which    |                |
|                      |           | On LPG/ CNG | On electricity |
| 2017-18              | 26,98,688 | 1,39,005    | 1,418          |
| 2018-19              | 25,38,833 | 1,35,988    | 4,958          |
| 2019-20 <sup>+</sup> | 17,29,699 | 84,015      | 5,025          |

+ upto December

Source : Office of Transport Commissioner, GoM

## Water pollution

10.85 As per the World Health Organisation (WHO), water pollution is defined as any change in the physical, chemical and biological properties of water that has negative impacts on living beings. Water pollution is mainly caused due to the discharge of harmful chemical waste by industries directly into the water bodies. Improper sanitation systems, use of insecticides and pesticides, bathing and washing clothes, vehicles & animals near rivers or ponds are also causing a rise in water pollution. Water (Prevention & Control of Pollution) Act, 1974 has been enacted for the prevention & control of water pollution and maintaining or restoring the water quality. The MPCB regularly monitors the water quality across 250 water quality monitoring stations for both surface (155 on rivers, 34 on sea/ creeks, 10 on drains, one on dam) and ground water (24 bore wells, 24 dug wells, one hand pump, one tube well) under National Water Monitoring Programme (NWMP). Surface water samples are monitored every month for nine core parameters and 19 general parameters whereas the ground water samples are monitored every six months to trace metals and pesticides. Water quality at 39 locations of Godavari, Krishna, Panchganga and Bheema rivers in the State during 2018-19 is given in Table 10.73. Water quality at 39 monitoring stations on selected rivers for surface water in the State during 2019 is given in Table 10.74.

**Table 10.73 Water quality at 39 locations of Godavari, Krishna, Panchganga and Bheema rivers in the State during 2018-19**

| Parameters              |                  |                               |                  |                               |                  |                |                  |
|-------------------------|------------------|-------------------------------|------------------|-------------------------------|------------------|----------------|------------------|
| pH value                |                  | Bio-chemical Oxygen Demand    |                  | Dissolved Oxygen              |                  | Fecal Coliform |                  |
| 6.0 to 9.0 <sup>#</sup> |                  | Less than 3 mg/l <sup>#</sup> |                  | More than 4 mg/l <sup>#</sup> |                  | N.A.           |                  |
| Range                   | No. of Locations | Range                         | No. of Locations | Range                         | No. of Locations | Range          | No. of Locations |
| 5.5 - 6.4               | 0                | 2.5 or less                   | 8                | Below 3                       | 1                | 0 - 100        | 30               |
| 6.5 - 7.4               | 6                | 2.5 - 5.4                     | 22               | 3 - 4.9                       | 6                | 100 - 200      | 7                |
| 7.5 - 8.4               | 33               | 5.5 - 8.4                     | 5                | 5 - 6.9                       | 29               | 200 - 300      | 1                |
| 8.5 - 9.5               | 0                | 8.5 - 11.4                    | 2                | 7 - 8.9                       | 3                | 300 & above    | 1                |
|                         |                  | 11.5 & above                  | 2                | 9 & above                     | 0                |                |                  |

Source : MPCB      mg/l milligram/litre      # CPCB's Water quality criteria, Class C      N.A. Not Available

**Table 10.74 Water quality at monitoring stations on selected rivers during 2019**

| Station Name                                                              | pH   | Dissolved Oxygen (mg/l) | B.O.D (mg/l) | C.O.D. (mg/l) | Nitrate (mg/l) | Fecal Coliform (mg/l) |
|---------------------------------------------------------------------------|------|-------------------------|--------------|---------------|----------------|-----------------------|
| Krishna River at Rajapur Weir                                             | 7.80 | 6.66                    | 2.12         | 13.67         | 1.11           | 10.31                 |
| Godavari river at Jaikwadi Dam, Paithan                                   | 8.00 | 6.69                    | 3.34         | 11.00         | 0.62           | 2.00                  |
| Mula-Mutha River at Mundhwa Bridge                                        | 7.58 | 2.53                    | 12.43        | 38.00         | 2.74           | 512.50                |
| Kanhan River (Wainganga basin) at downstream of M/s Vidharbha Paper Mills | 8.26 | 6.80                    | 5.57         | 21.67         | 2.50           | 31.75                 |
| Purna River at Dhupeshwar at upstream of Malkapur Water works             | 8.12 | 7.10                    | 3.73         | 15.20         | 3.90           | 35.90                 |
| Darna River at Aswali (Darna Dam)                                         | 7.74 | 6.30                    | 3.23         | 17.33         | 1.06           | 0.77                  |
| Savitri River at Muthavali village                                        | 8.91 | 7.76                    | 2.80         | 39.60         | 0.81           | 6.28                  |
| Mithi River at near bridge                                                | 6.92 | 2.74                    | 24.92        | 69.00         | 1.58           | 2,545.00              |

Source : MPCB      B.O.D. Biochemical Oxygen Demand      C.O.D. Chemical Oxygen Demand

## Sewage Treatment

10.86 The estimated sewage generated in the area of 27 Municipal Corporations during 2018-19 was 6,710 million litres per day (MLD) of which about 4,067 MLD (60.6 per cent) sewage was treated. The sewage generated & treated in the area of urban local bodies of the State during 2018-19 is given in Table 10.75.

**Table 10.75 Sewage generated & treated in the area of urban local bodies of the State during 2018-19**

| Local body            | Reporting local bodies | Sewage          |               |                                    |
|-----------------------|------------------------|-----------------|---------------|------------------------------------|
|                       |                        | generated (MLD) | treated (MLD) | Percentage of treated to generated |
| Municipal Corporation | 27                     | 6,710           | 4,067         | 60.6                               |
| Municipal Council     |                        |                 |               |                                    |
| A Class               | 17                     | 280             | 56            | 20.0                               |
| B Class               | 72                     | 401             | 41            | 10.2                               |
| C Class               | 142                    | 334             | 22            | 6.6                                |
| Cantonment board      | 7                      | 39              | 7             | 18.0                               |
| Nagar panchayat       | 128                    | 154             | 3             | 2.0                                |
| <b>Total</b>          | <b>393</b>             | <b>7,918</b>    | <b>4,196</b>  | <b>53.0</b>                        |

Source : MPCB

## Solid Waste Management

10.87 Solid waste consists of household waste, construction and demolition debris, sanitation residue and waste from streets generated mainly from residential and commercial complexes. Solid waste generated in the State is being treated in 56 common facilities provided either by Municipal Corporation or Municipal Councils and 7 Cantonment Boards. Of the total solid waste generated, 52.9 per cent Solid waste is treated per day. Solid waste generated and treated as per MPCB regions during 2018 is given in Table 10.76.

**Table 10.76 Solid waste generated and treated in Municipal Areas & Cantonment Boards during 2018**

| MPCB Region  | Solid Waste        |                  |                                    |
|--------------|--------------------|------------------|------------------------------------|
|              | Generated (MT/day) | Treated (MT/day) | Percentage of treated to generated |
| Mumbai       | 7,700.00           | 4,407.00         | 57.2                               |
| Navi Mumbai  | 711.00             | 704.00           | 99.0                               |
| Raigad       | 580.74             | 546.30           | 94.1                               |
| Thane        | 1,970.85           | 512.60           | 26.0                               |
| Kalyan       | 1,692.07           | 266.00           | 15.7                               |
| Pune         | 3,724.82           | 2,716.85         | 72.9                               |
| Nashik       | 2,017.04           | 1,223.11         | 60.6                               |
| Aurangabad   | 1,729.06           | 918.50           | 53.1                               |
| Nagpur       | 1,597.47           | 407.74           | 25.5                               |
| Amravati     | 915.77             | 240.75           | 26.3                               |
| Kolhapur     | 753.63             | 458.61           | 60.9                               |
| Chandrapur   | 452.10             | 221.87           | 49.1                               |
| <b>Total</b> | <b>23,844.55</b>   | <b>12,623.33</b> | <b>52.9</b>                        |

Source : MPCB

## Noise pollution

10.88 As per Noise Pollution (Regulation & Control) Rules - 2000, zonewise specified standards of noise level limits are given in Table 10.77.

10.89 In order to assess the impact of noise pollution, Ambient Noise Level Monitoring Programme is conducted for two days by MPCB in major cities. The noise levels are measured at the same locations on both the days at the same time. Day-night noise levels in selected cities during Diwali in 2018 and 2019 are given in Table 10.78.

**Table 10.77 Zonewise standards of noise level limits**

(decibel)

| Zone Code | Type of Zone | Standard Limits |            |
|-----------|--------------|-----------------|------------|
|           |              | Day time        | Night time |
| A         | Industrial   | 75              | 70         |
| B         | Commercial   | 65              | 55         |
| C         | Residential  | 55              | 45         |
| D         | Silence zone | 50              | 40         |

Source : MPCB

**Table 10.78 Day-night noise levels in residential areas in selected cities during diwali in 2018 & 2019**

(decibel)

| Location                          | 27 <sup>th</sup> Oct, 2019 |       | 7 <sup>th</sup> Nov, 2018 |       | 29 <sup>th</sup> Oct, 2019 |       | 9 <sup>th</sup> Nov, 2018 |       |
|-----------------------------------|----------------------------|-------|---------------------------|-------|----------------------------|-------|---------------------------|-------|
|                                   | Day                        | Night | Day                       | Night | Day                        | Night | Day                       | Night |
| Mumbai (Shivaji Park-Dadar)       | 71.6                       | 62.1  | 69.9                      | 69.3  | 68.5                       | 62.4  | 77.9                      | 65.4  |
| Mumbai (Chembur)                  | 68.7                       | 59.1  | 73.8                      | 68.8  | 71.2                       | 58.3  | 70.9                      | 60.7  |
| Thane (Gokhale Road)              | 62.3                       | 59.0  | 76.5                      | 68.9  | 66.0                       | 57.9  | 73.8                      | 57.5  |
| Thane (Wagle Estate)              | 70.3                       | 59.1  | 71.4                      | 60.0  | 66.2                       | 57.9  | 68.6                      | 64.5  |
| Pune (Swargate)                   | 85.3                       | 77.6  | 79.6                      | 63.8  | 79.9                       | 65.8  | 75.8                      | 66.1  |
| Pune (Laxmi Road)                 | 82.8                       | 74.6  | 80.8                      | 73.0  | 78.8                       | 63.8  | 80.5                      | 67.4  |
| Nashik (Central Bus Stand)        | 70.6                       | 71.5  | 81.0                      | 81.0  | 70.6                       | 65.7  | 72.3                      | 68.8  |
| Nashik (Bytco Point)              | 70.6                       | 66.6  | 78.9                      | 71.4  | 67.8                       | 65.6  | 68.1                      | 67.1  |
| Aurangabad (City Chowk)           | 66.4                       | 61.0  | 62.2                      | 66.5  | 64.5                       | 57.1  | 60.2                      | 64.5  |
| Nanded-Waghala (Ganesh Nagar)     | 62.2                       | 51.5  | 66.1                      | 67.6  | 61.4                       | 48.6  | 64.1                      | 65.6  |
| Nagpur (Sadar)                    | 74.2                       | 68.6  | 75.6                      | 69.3  | 69.5                       | 57.6  | 72.0                      | 59.7  |
| Chandrapur (Jatpura Gate)         | 76.2                       | 66.5  | 80.0                      | 65.1  | 73.1                       | 65.2  | 74.7                      | 66.7  |
| Amravati (Rajkamal Chowk)         | 77.7                       | 70.2  | 76.0                      | 68.0  | 76.2                       | 66.6  | 74.9                      | 66.3  |
| Akola (District Collector Office) | 73.4                       | 56.8  | 72.5                      | 60.0  | 72.1                       | 57.7  | 68.5                      | 55.9  |

Source : MPCB

## Pollution due to industries

10.90 During 2018-19 industries under the purview of MPCB were 92,081 and in 2019-20 upto December were 95,159. Under Common Effluent Treatment Plant (CETP) scheme, financial assistance is provided to install pollution control equipment for treatment and disposal of hazardous solid waste generated from small scale industrial units. CETPs are commissioned in 25 industrial areas covering 7,860 industries. During 2018-19 effluent quantity treated on an average was about 173.82 million litres/day. Classification of industries based on the pollution index for 2018-19 is given in Table 10.79.

**Table 10.79 Classification of industries based on pollution index for 2018-19**

(no.)

| MPCB Region | Industries |     |        |        |     |        |       |     |        | WHITE | TOTAL  |
|-------------|------------|-----|--------|--------|-----|--------|-------|-----|--------|-------|--------|
|             | RED        |     |        | ORANGE |     |        | GREEN |     |        |       |        |
|             | L          | M   | S      | L      | M   | S      | L     | M   | S      |       |        |
| Mumbai      | 148        | 20  | 605    | 585    | 155 | 751    | 31    | 100 | 2,447  | 23    | 4,865  |
| Thane       | 190        | 28  | 742    | 230    | 34  | 867    | 29    | 17  | 1,669  | 75    | 3,881  |
| Kalyan      | 95         | 63  | 1,746  | 90     | 51  | 1,168  | 31    | 34  | 1,768  | 225   | 5,271  |
| Navi Mumbai | 178        | 43  | 1,090  | 148    | 86  | 1,034  | 53    | 74  | 1,868  | 274   | 4,848  |
| Raigad      | 184        | 33  | 375    | 93     | 29  | 516    | 21    | 25  | 587    | 46    | 1,909  |
| Pune        | 857        | 132 | 2,225  | 1,224  | 284 | 4,355  | 335   | 269 | 7,541  | 955   | 18,177 |
| Kolhapur    | 221        | 54  | 1,114  | 78     | 86  | 4,362  | 26    | 20  | 7,314  | 3,425 | 16,700 |
| Nashik      | 293        | 61  | 1,302  | 136    | 82  | 2,667  | 128   | 54  | 5,847  | 1,896 | 12,466 |
| Aurangabad  | 233        | 25  | 396    | 73     | 84  | 2,238  | 31    | 41  | 5,464  | 83    | 8,668  |
| Amravati    | 40         | 6   | 188    | 12     | 12  | 2,834  | 1     | 9   | 3,853  | 318   | 7,273  |
| Nagpur      | 215        | 13  | 845    | 123    | 52  | 2,727  | 10    | 14  | 2,561  | 139   | 6,699  |
| Chandrapur  | 93         | 10  | 73     | 9      | 13  | 431    | 4     | 6   | 602    | 83    | 1,324  |
| Total       | 2,747      | 488 | 10,701 | 2,801  | 968 | 23,950 | 700   | 663 | 41,521 | 7,542 | 92,081 |

RED Pollution index 60 or above

ORANGE Pollution index between 41 to 59

GREEN Pollution index between 21 to 40

WHITE Pollution index 20 or less

L Large

M Medium

S Small

Source : MPCB

## Hazardous waste

10.91 Hazardous wastes are wastes with properties that make them dangerous or potentially harmful to human health or to the environment. In 2018-19 hazardous waste was generated during processing in 6,459 industries. Installation of Global Positioning System (GPS) for tracking of hazardous waste transporting vehicles has been made mandatory in the State. MPCB has authorised 182 hazardous waste transporters. Common facilities for management of hazardous waste have been set-up at four major sites, namely Taloja & Trans Thane Creek industrial areas of MIDC in Thane, Ranjangaon in Pune and Butibori in Nagpur. Information about hazardous waste treated at common facility centers is given in Table 10.80.

**Table 10.80 Information about hazardous waste treated at common facility centers**

(lakh MT)

| Year    | Type of Treatment |                           |              | Total |
|---------|-------------------|---------------------------|--------------|-------|
|         | Direct Land fill  | Land fill after treatment | Incineration |       |
| 2016-17 | 1.22              | 1.73                      | 0.55         | 3.51  |
| 2017-18 | 1.16              | 1.78                      | 0.54         | 3.48  |
| 2018-19 | 2.19              | 2.03                      | 0.59         | 4.81  |

Source : MPCB

## E-waste

10.92 E-waste is discarded electrical and electronic devices. During 2018-19 for dismantling/recycling of E-waste, MPCB authorised 73 industries having environment friendly technology with total capacity of 63,879 MT per year under E-waste (Management) Rules, 2016.

## Bio-medical waste

10.93 As per Bio-Medical Waste Management Rules - 2016, MPCB has started issuing authorisation to Health Care Establishments (HCEs) for disposal of bio-medical waste. There are in

all 60,410 HCEs under the purview of MPCB in the State upto December, 2018. The bio-medical waste generated from these HCEs is treated and disposed by 31 Common Bio-Medical Waste Treatment and Disposal Facilities, of which 29 are operating on incineration basis and remaining on deep burial basis. During 2019 on an average about 62.13 MT bio-medical waste was treated and disposed off per day.

### **Plastic waste**

10.94 Plastic products have become an integral part of our daily life. It has been observed that disposal of plastic waste creates several environmental issues due to improper collection, segregation and disposal system. The increase in non-biodegradable plastic waste is causing damage to the environment and health. From April, 2018, GoM banned manufacturing and use of some types of plastic and thermocol products. During 2018-19, GoM collected ₹ 5.35 crore as a penalty for using banned plastic/ thermocol products and seized 1,071.87 MT of banned plastic and directed to ban 341 plastic manufacturing units. During 2019-20 upto October GoM collected ₹ 1.11 crore as a penalty for using banned plastic/ thermocol products and seized 104.58 MT of banned plastic and directed to ban 33 plastic manufacturing units. As per Plastic Waste Management Rules of GoI total Plastic recycling industries in the State are 31 with a total capacity of 1,63,455 MT per year.

### **Environmental clearance**

10.95 Under the Environment (Protection) Act, 1986, the Central Government constituted Maharashtra Coastal Zone Management Authority (1998), State Level Environment Impact Assessment Authority (2008) and State Level Expert Appraisal Committee (SEAC) in the State for Coastal Regulation Zone (CRZ) recommendations and environment clearances.

10.96 From January, 2016 environment clearances are granted through online services. The State has granted environment clearances to 2,248 applications upto December, 2019 through online process. Maharashtra Coastal Zone Management Authority issued CRZ recommendations to 204 projects from January to December, 2019.

### **Lake conservation plan**

10.97 The objective of this plan is to prevent degradation of lakes. To prevent degradation of lakes, the State has included 73 lakes under 'National Lake Conservation for degraded lakes' scheme since 2007. The GoM sanctioned ₹ 25 crore of funds for conservation of these lakes in 2018-19 & an expenditure of ₹ 14.50 crore was incurred. During 2019-20 GoM sanctioned ₹ 15 crore of funds of which an expenditure of ₹ Nine crore was incurred upto December.

### **Mangroves conservation**

10.98 Maharashtra has a long coastline of about 720 km. As per India State of Forest Report - 2019, presently 320 sq km area is under mangroves cover in the State. The State is implementing Mangroves Conservation and Livelihood Generation scheme with the participation of local communities for the entire coastal stretch of Maharashtra covering over 120 villages from Palghar, Thane, Raigad, Ratnagiri and Sindhudurg district.

10.99 The State has allocated funds of ₹15.22 crore for 2019-20 for upscaling the various livelihood activities such as Mud Crab Farming, Fish Cage Culture, Oyster & Mussel Farming, Ornamental Fish Culture, Eco-tourism and mangrove plantation under this scheme. The profit received by villagers/ beneficiaries under the scheme from the livelihood activities amounts to ₹ 13.86 lakh during 2018-19. These activities can be taken up as group activity or as an individual beneficiary. The group activity is entitled with 90 per cent subsidy, while individual beneficiary (land owners with more than one acre of mangroves) is entitled to get 75 per cent subsidy.

## SOCIAL JUSTICE

10.100 Social justice is a principle that lays down the foundation of a society on equality, liberty and fraternity. Social justice means to give fair treatment and equal share of social benefits to all, especially to Scheduled Castes (SC), Scheduled Tribes (ST), *Vimukta Jati*, Nomadic Tribes (VJNT), Other Backward Classes (OBC), minorities, persons with disabilities, senior citizens and victims of substance abuse, etc. As per the directive principles of State Policy inducted in the Constitution of India, various educational, economic and social development programmes have been taken up by the GoM for equalisation and to get the means of livelihood to the section of the society.

10.101 GoM is implementing Scheduled Caste Component Schemes (SCCS) and Tribal Component Schemes (TCS) for social justice. Under these programmes the funds are made available in proportion to their population.

### Scheduled Caste Component Schemes

10.102 The proposed funds and expenditure of development sectors under SCCS is given in Table 10.81.

**Table 10.81 Proposed funds and expenditure of development sectors under SCCS**

| Sector                           | (₹ Crore)       |                      |                 |                      |                 |                                   |
|----------------------------------|-----------------|----------------------|-----------------|----------------------|-----------------|-----------------------------------|
|                                  | 2017-18         |                      | 2018-19         |                      | 2019-20         |                                   |
|                                  | Proposed funds  | Expenditure incurred | Proposed funds  | Expenditure incurred | Proposed funds  | Expenditure incurred <sup>+</sup> |
| <b>A) State level schemes</b>    | <b>4,531.00</b> | <b>3,494.22</b>      | <b>7,249.22</b> | <b>4,116.43</b>      | <b>6,432.00</b> | <b>2,055.65</b>                   |
| Agriculture & allied activities  | 148.06          | 405.22               | 1,313.82        | 138.65               | 222.16          | 56.32                             |
| Rural development                | 139.92          | 26.95                | 120.34          | 207.58               | 112.70          | 29.50                             |
| Energy                           | 0               | 0                    | 0               | 200.00               | 0               | 0                                 |
| Industry & minerals              | 82.11           | 58.20                | 60.00           | 50.53                | 60.00           | 12.69                             |
| Transport & communication        | 0               | 0                    | 0               | 0                    | 250.00          | 150.00                            |
| General economic services        | 6.20            | 2.69                 | 4.20            | 1.57                 | 0               | 0                                 |
| Social & community services      | 4,154.71        | 3,001.16             | 5,750.86        | 3,518.10             | 5,555.64        | 1,775.42                          |
| General services                 | 0               | 0                    | 0               | 0                    | 11.50           | 0                                 |
| Other programmes                 | 0               | 0                    | 0               | 0                    | 220.00          | 31.72                             |
| <b>B) District level schemes</b> | <b>2,700.00</b> | <b>2,646.40</b>      | <b>2,700.00</b> | <b>2,352.32</b>      | <b>2,776.00</b> | <b>828.21</b>                     |
| Agriculture & allied activities  | 279.14          | 264.10               | 331.81          | 339.60               | 351.92          | 153.89                            |
| Rural development                | 263.82          | 241.32               | 242.94          | 47.48                | 0               | 0                                 |
| Energy                           | 122.06          | 117.51               | 135.93          | 114.48               | 134.47          | 32.69                             |
| Industry & minerals              | 12.51           | 6.36                 | 11.14           | 9.54                 | 10.90           | 2.03                              |
| Transport & communication        | 59.47           | 70.19                | 70.03           | 47.81                | 68.56           | 9.96                              |
| Social & community services      | 1,882.00        | 1,889.19             | 1,827.15        | 1,736.25             | 2,126.87        | 619.45                            |
| Innovative schemes               | 81.00           | 57.73                | 81.00           | 57.16                | 83.28           | 10.19                             |
| <b>Total (A + B)</b>             | <b>7,231.00</b> | <b>6,140.62</b>      | <b>9,949.22</b> | <b>6,468.75</b>      | <b>9,208.00</b> | <b>2,883.86</b>                   |

Note:- Figures may not add up due to rounding

+ upto December

Source : Department of Social Justice and Special Assistance, GoM



### ***Rajarshi Shahu Maharaj scholarship for SC students for abroad studies***

10.103 GoM has started this scholarship for Scheduled Caste students to pursue higher studies in abroad. Under the scheme during 2018-19 an amount of ₹ 32 crore was disbursed to 144 beneficiaries and during 2019-20 upto December, an amount of ₹ 20.99 crore is disbursed to 160 beneficiaries.

### ***Bharat Ratna Dr. Babasaheb Ambedkar Swadhar Yojana***

10.104 The scheme has been initiated for students belonging to Scheduled Castes and Neo-Buddhist, who got admission in various courses from class 11<sup>th</sup>, but who did not get or have not taken admission in the government hostels. Under the scheme, financial assistance is given for food, shelter, educational material, maintenance allowance and other necessary facilities. The amount for these expenditure is directly deposited in the *Aadhaar* linked bank account of the students. The performance of the scheme is given in Table 10.82.

**Table 10.82 Performance of the *Bharat Ratna Dr. Babasaheb Ambedkar Swadhar Yojana***

(₹ Crore)

| Particulars                | 2017-18 | 2018-19 | 2019-20 <sup>+</sup> |
|----------------------------|---------|---------|----------------------|
| Beneficiary students (no.) | 7,928   | 21,651  | 12,798*              |
| Expenditure incurred       | 0.29    | 83.98   | 26.14                |

Source: Commissionerate of Social Welfare, Pune

\*provisional

+upto December

### **Development of Scheduled Castes, Neo Buddhist wastis in rural area**

10.105 The scheme has been initiated for the overall development of SC and Neo Buddhist habitats by providing basic facilities such as drinking water supply, internal roads, drainage facilities, electricity, roads connecting the habitats, community hall, etc. During 2018-19 an expenditure of ₹ 754.39 crore was incurred and during 2019-20 upto December, an expenditure of ₹ 342.93 crore has been incurred.

### ***Lokshahir Annabhau Sathe Nagari Wasti Sudhar Yojana***

10.106 Under the scheme, works for construction of bituminous/cement concrete roads, construction of drainage, repairing of well, kindergarten, drinking water facilities, public toilet, library, gymnasium, electric lights, etc. are undertaken in the areas of SC and Neo Buddhist habitats of municipal corporation and municipal council. During 2018-19 an expenditure of ₹ 677.08 crore was incurred and during 2019-20 upto December, an expenditure of ₹ 203.11 crore has been incurred.

### **Tribal Component Schemes**

10.107 Under TCS, proposed funds during 2019-20 are ₹ 8,531.00 crore. Of which ₹ 2,201.11 crore are earmarked for district level schemes and ₹ 6,329.89 crore for State level schemes (including ₹ 267.88 crore for PESA gram panchyat). During 2019-20 under TCS, about 346 schemes (129 State level, 172 district level & 45 Centrally sponsored schemes) are being implemented. Sectorwise proposed funds and expenditure incurred under Tribal Component Schemes is given in Table 10.83.

**Table 10.83 Sectorwise proposed funds and expenditure incurred under TCS**

(₹ Crore)

| Sector                           | 2017-18         |                      | 2018-19         |                      | 2019-20         |                                   |
|----------------------------------|-----------------|----------------------|-----------------|----------------------|-----------------|-----------------------------------|
|                                  | Proposed funds  | Expenditure incurred | Proposed funds  | Expenditure incurred | Proposed funds  | Expenditure incurred <sup>+</sup> |
| <b>B) State level schemes</b>    | <b>4,387.89</b> | <b>3,398.52</b>      | <b>5,074.06</b> | <b>4,135.09</b>      | <b>6,329.89</b> | <b>3,078.08</b>                   |
| Agriculture & allied activities  | 603.96          | 229.90               | 706.77          | 90.37                | 118.64          | 34.56                             |
| Rural development                | 48.83           | 20.37                | 239.30          | 230.55               | 324.89          | 21.36                             |
| Irrigation & flood control       | 50.00           | 38.58                | 50.00           | 50.00                | 50.00           | 0                                 |
| Energy                           | 18.22           | 14.58                | 433.17          | 259.79               | 310.00          | 120.00                            |
| Industry & minerals              | 10.00           | 8.00                 | 8.00            | 7.00                 | 10.00           | 0                                 |
| Transport & communication        | 301.00          | 357.80               | 553.20          | 541.86               | 326.02          | 108.92                            |
| Social & community services      | 3,355.88        | 2,729.29             | 3,083.61        | 2,955.52             | 5,190.34        | 2,793.24                          |
| <b>B) District level schemes</b> | <b>3,056.90</b> | <b>2,915.22</b>      | <b>3,208.00</b> | <b>3,156.82</b>      | <b>2,201.11</b> | <b>686.90</b>                     |
| Agriculture & allied activities  | 258.10          | 223.75               | 271.84          | 271.00               | 284.32          | 88.28                             |
| Rural development                | 552.14          | 487.43               | 481.18          | 463.53               | 350.96          | 125.76                            |
| Irrigation & flood control       | 0.40            | 0                    | 0.09            | 0                    | 0               | 0                                 |
| Energy                           | 110.14          | 129.15               | 0               | 0                    | 124.96          | 38.79                             |
| Industry & minerals              | 1.62            | 1.24                 | 129.02          | 115.55               | 4.70            | 0.19                              |
| Transport & communication        | 206.44          | 251.67               | 203.35          | 199.10               | 254.39          | 42.56                             |
| Social & community services      | 1,928.07        | 1,821.98             | 2,122.56        | 2,107.64             | 1,181.79        | 391.32                            |
| <b>Total (A + B)</b>             | <b>7,444.79</b> | <b>6,313.73</b>      | <b>8,282.10</b> | <b>7,291.90</b>      | <b>8,531.00</b> | <b>3,764.98</b>                   |

Note:- Figures may not add up due to rounding

+upto December

Source : Tribal Development Department, GoM

### Government *Ashram* schools

10.108 There are 500 Government residential *ashram* schools in hilly and remote areas of the State. Since 2017-18, the cost of educational materials and equipments are being deposited directly in the bank accounts of students. During 2018-19, an expenditure of ₹ 1,035.77 crore was incurred. A budget provision of ₹ 1,465.40 crore is made during 2019-20 and upto December, an expenditure of ₹ 994 crore has been incurred.

### Aided *Ashram* schools

10.109 In aided *ashram* schools, tribal students are provided accommodation, food, uniforms, educational materials and other concessions at free of cost. There are 556 aided *ashram* schools in the State. During 2018-19, an expenditure of ₹ 967.09 crore was incurred. A budget provision of ₹ 1,165 crore is made during 2019-20 and upto December, an expenditure of ₹ 831.87 crore has been incurred.

### Government hostels for tribal students

10.110 Government hostel facility is provided to tribal students at revenue division, district and taluka level for pursuing higher studies. In these hostels, accommodation, food, uniforms, educational materials and other concessions are provided at free of cost. There are 495 government hostels in the State for tribal students with 52,160 intake capacity (32,057 boys and 20,103 girls). The cost for purchasing of bedding material, books, educational material, etc. are being deposited directly into the students' bank accounts since 2017-18. During 2018-19 an expenditure of ₹ 338 crore was incurred. A budget provision of ₹ 500.30 crore is made during 2019-20 and upto December, an expenditure of ₹ 247.73 crore has been incurred.

### Education in English medium schools

10.111 A scheme has been started in order to encourage the tribal students to pursue studies in renowned residential English medium schools at free of cost. In these schools, education and residential facilities are provided to the students. Under the scheme, during 2019-20 admission to

about 3,000 students has been given and about 54,000 students are studying in these schools. During 2018-19, an expenditure of ₹ 297.34 crore was incurred. A budget provision of ₹ 345 crore is made during 2019-20 and upto December, an expenditure of ₹ 185.89 crore has been incurred.

### ***Pandit Deendayal Upadhyay Swayam Scheme***

10.112 Under the scheme, financial assistance is provided to the students who are not getting admission in the Government tribal hostels for higher educational courses after XII<sup>th</sup> standard for availing facilities such as meal, residence and educational material. During 2018-19, an expenditure of ₹ 33 crore was incurred. A budget provision of ₹ 60 crore is made during 2019-20 and upto December, an expenditure of ₹ 20 crore has been incurred.

### **Direct funding to PESA Gram panchayats**

10.113 Under the PESA act implementation, it has been decided to disburse five per cent of the total Tribal Component Scheme budget to the gram panchayats in the scheduled areas for developmental work. Maharashtra is the first State in India to make funds available directly to the gram panchayats for this purpose. Gram sabha can undertake works related to basic infrastructure, forest and implementation of PESA act, health, sanitation, education, wild life conservation, water conservation, forestry, wild life tourism and forest produce through this fund. During 2018-19, an expenditure of ₹ 267.88 crore was incurred. A budget provision of ₹ 267.88 crore is made during 2019-20 and upto December, an expenditure of ₹ 160.73 crore has been incurred.

### ***Dr. A. P. J. Abdul Kalam Amrut Aahar Yojana***

10.114 This scheme is implemented in 16 districts of the scheduled areas. Under the scheme, 'one full meal' is provided for ST pregnant women and lactating mothers, similarly, children of age seven months to six years are given eggs or bananas four times per week. During 2018-19, an expenditure of ₹ 144.18 crore was incurred. A budget provision of ₹ 159.65 crore is made during 2019-20 and upto December, an expenditure of ₹ 102.83 crore has been incurred.

### ***Thakkar Bappa Adivasi Wasti Sudharna Ekatmik Karyakram***

10.115 Under the scheme, small and permanent community development facilities are created in scheduled areas. During 2018-19, an expenditure of ₹ 216.14 crore was incurred. A budget provision of ₹ 167.63 crore is made during 2019-20 and upto December, an expenditure of ₹ 30.55 crore has been incurred.

### **Foreign scholarship for scheduled tribe students for abroad studies**

10.116 GoM has started this scholarship for scheduled tribes students to pursue higher studies in abroad. Under the scheme during 2018-19, an amount of ₹ 1.48 crore was disbursed to five beneficiaries and during 2019-20 upto December, an amount of ₹ 1.04 crore is disbursed to five beneficiaries.

### ***Nagari Adiwasi Wasti Sudhar Yojana***

10.117 Under the scheme, collective beneficial works such as internal roads, electricity facility, drainage, drinking water, health facilities, education facilities, etc. are undertaken in the areas of scheduled tribes habitats of municipal council. During 2018-19, an expenditure of ₹ 4.20 crore was incurred.

### **Welfare of OBC, SEBC, VJNT and SBC**

10.118 GoM has established separate department for welfare of the people belonging to Other Backward Classes, Socially and Educationally Backward Classes, *Vimukta Jati*, Nomadic Tribes and Specially Backward Classes. Various development programmes are being implemented for upliftment of the weaker sections of these communities. During 2018-19, an expenditure of ₹ 2,953.13 crore was incurred. A budget provision of ₹ 3,551.79 crore is made during 2019-20 and upto January, an expenditure of ₹ 2,154.61 crore has been incurred.

### ***Tanda/Wasti Sudhar Yojana***

10.119 The scheme is implemented for the overall development of *VJNT* and SBC habitats by providing basic facilities such as electrification, drinking water supply, internal roads, drainage, toilets, community hall/library, etc. During 2018-19, an expenditure of ₹ 47.99 crore was incurred under the scheme and during 2019-20 upto January, an expenditure of ₹ 23.66 crore has been incurred.

### **Foreign scholarship for *VJNT*, OBC and SBC students for abroad studies**

10.120 GoM has started this scholarship for *VJNT*, OBC and SBC students to pursue higher studies in abroad. Under the scheme during 2019-20 upto January, an amount of ₹ 1.03 crore is disbursed to five beneficiaries.

### **Minority Development**

10.121 Various schemes for the development of minority community are being implemented in the State. During 2018-19, an expenditure of ₹ 158.47 crore was incurred. During 2019-20, the budgetary provision of ₹ 462.62 crore is made and upto February, an expenditure of ₹ 185.25 crore has been incurred.

### ***Maulana Azad Alpasankhyank Arthik Vikas Mahamandal Ltd. (MAAAM)***

10.122 *Maulana Azad Alpasankhyank Arthik Vikas Mahamandal Ltd. (MAAAM)* has been set up for the welfare of minority community in the State. The authorised share capital of this Corporation is ₹ 500 crore and paid-up capital is ₹ 450.69 crore (100 percent share of GoM). This Corporation works as State channelising agency for National Minorities Development & Finance Corporation (NMDFC). The performance of major schemes implemented by MAAAM is given in Table 10.84.

**Table 10.84 Performance of major schemes implemented by MAAAM**

(₹ Lakh)

| Scheme                        | 2017-18              |                  | 2018-19              |                  | 2019-20              |                               |
|-------------------------------|----------------------|------------------|----------------------|------------------|----------------------|-------------------------------|
|                               | No. of beneficiaries | Amount disbursed | No. of beneficiaries | Amount disbursed | No. of beneficiaries | Amount disbursed <sup>+</sup> |
| Direct loan                   | 0                    | 0                | 0                    | 0                | 0                    | 0                             |
| Education loan                | 2,466                | 1,842.54         | 2,735                | 2,141.31         | 2,167                | 1,670.29                      |
| Other loans (Self Help Group) | 0                    | 0                | 0                    | 0                | 0                    | 0                             |
| Term loan                     | 1                    | 0.95             | 0                    | 0                | 36                   | 33.56                         |

Source: MAAAM

+ upto November

### ***Wasti /Area development schemes for minorities***

10.123 Schemes for *wasti*/area development for minorities are being implemented in the State. The proposed funds and expenditure of major schemes of *wasti*/area development for minorities are given in Table 10.85.

**Table 10.85 Proposed funds and expenditure of major schemes of *wasti*/area development for minorities**

(₹ Crore)

| Scheme                                                | 2017-18        |                      | 2018-19        |                      | 2019-20        |                                   |
|-------------------------------------------------------|----------------|----------------------|----------------|----------------------|----------------|-----------------------------------|
|                                                       | Proposed funds | Expenditure incurred | Proposed funds | Expenditure incurred | Proposed funds | Expenditure incurred <sup>+</sup> |
| Area development in minority concentrated urban areas | 25.00          | 18.71                | 26.40          | 17.18                | 41.89          | 25.13                             |
| Area development in minority concentrated rural areas | 35.50          | 27.52                | 38.00          | 22.49                | 51.00          | 22.16                             |

Source: Minority Development Department, GoM

+ upto December

## Welfare of persons with disability

10.124 Various schemes for persons with disabilities are being implemented by GoM to identify their potentials, develop their skills, give them equal opportunities and protect their rights so as to empower & involve them in the main stream of the society. During 2018-19, an expenditure of ₹ 532.16 crore was incurred. During 2019-20, the funds of ₹ 905.23 crore are provided and upto December, an expenditure of ₹ 433.83 crore has been incurred.

### Maharashtra State Handicapped Finance and Development Corporation Ltd.

10.125 Maharashtra State Handicapped Finance and Development Corporation Ltd. (MSHFDC) is established for the welfare of disabled persons. This corporation works as State channelising agency for National Handicapped Finance and Development Corporation. The authorised share capital of this Corporation is ₹ 50 crore and paid up capital is ₹ 47.51 crore (100 per cent share of GoM). The performance of major schemes implemented by this corporation is given in Table 10.86.

**Table 10.86 Performance of major schemes implemented by MSHFDC**

(₹ Lakh)

| Scheme      | 2017-18              |                  | 2018-19              |                  | 2019-20              |                               |
|-------------|----------------------|------------------|----------------------|------------------|----------------------|-------------------------------|
|             | No. of beneficiaries | Amount disbursed | No. of beneficiaries | Amount disbursed | No. of beneficiaries | Amount disbursed <sup>+</sup> |
| Direct loan | 6                    | 1.20             | 0                    | 0                | 71                   | 14.20                         |
| Term loan   | 191                  | 312.43           | 234                  | 334.97           | 4                    | 5.41                          |

Source : MSHFDC

+ upto December

## Important schemes for social security

10.126 The State implements various schemes for social security. Beneficiaries and expenditure incurred on important social security schemes are given in Table 10.87.

**Table 10.87 Beneficiaries and expenditure incurred on important social security schemes**

| Scheme                                           | 2017-18                     |                                | 2018-19                     |                                | 2019-20                     |                                             |
|--------------------------------------------------|-----------------------------|--------------------------------|-----------------------------|--------------------------------|-----------------------------|---------------------------------------------|
|                                                  | No. of beneficiaries (lakh) | Expenditure incurred (₹ Crore) | No. of beneficiaries (lakh) | Expenditure incurred (₹ Crore) | No. of beneficiaries (lakh) | Expenditure incurred <sup>+</sup> (₹ Crore) |
| <i>Sanjay Gandhi Niradhar Anudan</i>             | 8.97                        | 714.05                         | 8.97                        | 865.65                         | 10.82                       | 825.69                                      |
| <i>Shravanbal Seva Rajya Nivruttivetan</i>       | 19.62                       | 1,211.30                       | 19.62                       | 1,396.47                       | 21.74                       | 1,409.97                                    |
| <i>Indira Gandhi National Old Age Pension</i>    | 10.84                       | 281.74                         | 10.84                       | 302.28                         | 11.61                       | 219.51                                      |
| <i>Indira Gandhi National Widow Pension</i>      | 0.57                        | 14.67                          | 0.57                        | 16.71                          | 0.67                        | 16.31                                       |
| <i>Indira Gandhi National Disability Pension</i> | 0.07                        | 1.79                           | 0.07                        | 2.02                           | 0.08                        | 2.08                                        |
| <i>National Family Benefit</i>                   | 0.08                        | 30.61                          | 0.08                        | 28.36                          | 0.88                        | 17.66                                       |

Source: Social Justice and Special Assistance Department, GoM

+upto December

## Development Corporations

10.127 To accelerate economic development of SC, VJNT and OBC the State Government has established various Development Corporations, through various schemes viz. 20 per cent subsidy, seed money, 50 per cent subsidy, direct finance scheme, term loan, micro finance, *Mahila Samruddhi*, education loan, etc. are being implemented by these corporations. These corporations have been also authorised as a State channelising agency to implement various schemes of National Scheduled Castes Finance and Development Corporation, National *Safai Karamchari* Finance and Development Corporation, National Backward Classes Finance & Development Corporation, etc. Number of beneficiaries and amount disbursed by development corporations are given in Table 10.88.

**Table 10.88 Number of beneficiaries and amount disbursed by development corporations**

(₹ Lakh)

| Development corporation                                                              | 2017-18             |                  | 2018-19             |                  | 2019-20             |                               |
|--------------------------------------------------------------------------------------|---------------------|------------------|---------------------|------------------|---------------------|-------------------------------|
|                                                                                      | Beneficiaries (no.) | Amount disbursed | Beneficiaries (no.) | Amount disbursed | Beneficiaries (no.) | Amount disbursed <sup>+</sup> |
| <i>Sant Rohidas Charmodyog &amp; Charmakar</i> Development Corporation Ltd.          | 433                 | 40.50            | 317                 | 35.30            | 172                 | 19.22                         |
| <i>Sahityaratna Lokshahir Annabhau Sathe</i> Development Corporation Ltd.            | 2,118               | 614.78           | 2,066               | 460.46           | 911                 | 182.46                        |
| <i>Mahatma Phule</i> Backward Class Development Corporation Ltd.                     | 11,665              | 2,645.76         | 5,185               | 2,086.08         | 10,487              | 2,344.78                      |
| <i>Vasantrao Naik Vimukta Jati &amp; Nomadic Tribes</i> Development Corporation Ltd. | 41                  | 137.84           | -                   | -                | -                   | -                             |
| Maharashtra State Other Backward Class Finance and Development Corporation Ltd.      | 863                 | 269.48           | 159                 | 56.09            | 64                  | 22.13                         |

Source: Respective Corporation

+ upto December

### ***Annasaheb Patil Aarthik Magas Vikas Mahamandal Ltd.***

10.128 *Annasaheb Patil Aarthik Magas Vikas Mahamandal* Ltd. (APAMVM) is established by the State to provide employment and self-employment opportunities to educated unemployed youth from economically backward community. The performance of the schemes implemented by APAMVM is given in Table 10.89.

**Table 10.89 Performance of schemes implemented by APAMVM**

(₹ Lakh)

| Scheme                            | 2018-19                       |                  | 2019-20                       |                               |
|-----------------------------------|-------------------------------|------------------|-------------------------------|-------------------------------|
|                                   | Beneficiary count/Group count | Disbursed Amount | Beneficiary count/Group count | Disbursed Amount <sup>+</sup> |
| Individual Interest Reimbursement | 1,325                         | 260.82           | 7,347                         | 2,729.07                      |
| Group Loan Interest Reimbursement | -                             | -                | 4                             | 3.33                          |
| Group Project Loan                | 5                             | 50.00            | 14                            | 140.00                        |

Source : *Annasaheb Patil Arthik Magas Vikas Mahamandal* Ltd.

+ upto January

## HUMAN DEVELOPMENT AND SUSTAINABLE DEVELOPMENT GOALS

10.129 Human Development is defined as ‘the process of enlarging peoples’ choices’, the critical one being to live a long and healthy life and in the process to be educated and to enjoy decent standard of living. However, the benefits of growth need to be shared equitably among all sections, especially weaker and vulnerable sections of the society. As per Human Development Report, 2019 published by United Nations Development Programme, Norway ranks first with Human Development Index (HDI) (0.954), whereas India with HDI (0.647) is at 129<sup>th</sup> rank as against 130<sup>th</sup> rank with HDI (0.640) as per 2018 report. Among South Asian Association for Regional Co-operation (SAARC) countries, Sri Lanka (0.780) and Maldives (0.719) are ahead of India (in terms of HDI).

10.130 According to India Human Development Report-2011 Kerala (0.790) ranks first, whereas Maharashtra (0.572) ranks sixth.

10.131 As per the Maharashtra Human Development Report-2012 published by the State, the HDI of the state is 0.752. Mumbai (Mumbai City and Mumbai Suburban districts together) tops the list with HDI (0.841), followed by Pune (0.814), whereas Nandurbar (0.604) is at the bottom. The district wise HDI is given in Annexure 10.15.

### **Maharashtra Human Development Programme**

10.132 Maharashtra human development programme is being implemented in rural areas and all ‘C’ class municipal councils of 125 most backward talukas. Under this programme, various schemes focussing on improvement in education, health and income are being implemented. Considering socio-economic, geographical conditions and local needs of the talukas, district/taluka specific schemes are formulated. An amount of 20 per cent of the total funds allocated to the taluka is kept reserved for this purpose. Under this human development programme, a budget provision of ₹ 354.00 crore has been made for 2019-20 and an expenditure of ₹ 99.94 crore was incurred upto October. The physical progress of various schemes implemented under Maharashtra human development programme is given in Table 10.90.



**Table 10.90 Physical progress of various schemes implemented under Maharashtra human development programme**

(no.)

| Scheme                   |                                                                                                                                              | Type of beneficiaries                | Number of beneficiaries |                   |                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------|----------------------|
|                          |                                                                                                                                              |                                      | 2017-18                 | 2018-19           | 2019-20 <sup>+</sup> |
| <b>Education</b>         |                                                                                                                                              |                                      |                         |                   |                      |
| a)                       | <i>Abhyasika</i> in secondary & higher secondary schools (2,889 <i>Abhyasika</i> )                                                           | Students                             | 97,259                  | 92,186            | 67,177               |
| b)                       | Free of cost school bus service for girl students in rural areas (871 buses)                                                                 | Girls                                | 97,774                  | 1,00,595          | 98,849               |
| c)                       | ‘ <i>BalBhavan</i> ’ science centres (124 centres)                                                                                           | Students visited                     | 1,91,950                | 2,35,796          | 85,449               |
| d)                       | Extending scope of Kasturba Gandhi <i>Balika Vidyalaya Yojana</i> upto X <sup>th</sup> Std. (39 schools)                                     | Girls                                | 1,937                   | 2,029             | 2,033                |
| e)                       | Distribution of bicycles to the needy girls studying in class VIII <sup>th</sup> to XII <sup>th</sup> and living within five km from school. | Girls                                | 29,044                  | 31,252            | 3,883                |
| f)                       | Construction of <i>Anganwadis</i>                                                                                                            |                                      | 630 <sup>\$</sup>       | 630 <sup>\$</sup> | 645 <sup>\$</sup>    |
| <b>Health</b>            |                                                                                                                                              |                                      |                         |                   |                      |
| a)                       | Health camps for pregnant women, lactating mothers and infants (0-6 months)                                                                  | Pregnant & lactating women & infants | 9,14,606                | 9,74,899          | 4,84,335             |
| b)                       | Lapsed wages to SC, ST, BPL pregnant women                                                                                                   | Pregnant women                       | 1,46,666                | 1,25,885          | 32,720               |
| c)                       | Construction of Health sub centres                                                                                                           |                                      | 27 <sup>\$</sup>        | 27 <sup>\$</sup>  | 32 <sup>\$</sup>     |
| <b>Income Generation</b> |                                                                                                                                              |                                      |                         |                   |                      |
| a)                       | Mobile soil testing laboratories                                                                                                             | Soil samples tested                  | 47,704                  | 49,500            | 8,759                |
| b)                       | Seed capital to <i>Gramsabhas</i> for collection of minor forest produce, fishery                                                            | <i>Gramsabha</i> proposals           | 125                     | 3                 | 0                    |

\$ completed since inception of scheme

+ upto October

Source: Commissionerate, Maharashtra Human Development Programme

## Sustainable Development Goals

10.133 UN has adopted development agenda 'Transforming Our World' in September 2015. According to the agenda 17 Sustainable Development Goals (SDGs) comprising 169 targets are to be achieved by 2030 and have been adopted by 193 nations including India. The SDGs are divided in four dimensions viz. social, economic, environmental and peace. In order to meet the targets across the 17 goals, collaborated and robust actions are required nationally and sub nationally, at policy, institutional and local levels.

## Framework

10.134 The Government of Maharashtra has undertaken various measures viz. amending the statutory rules which govern the functioning of the district planning committee, mapping of state and district level schemes to the 169 targets of 17 SDG, training of all stakeholders, setting up of

Village Social Transformation Foundation (VSTF) to transform 1,000 villages with a focus on SDG, approved 'Livelihood Program for Rural Women' under the Human Development Mission for 125 blocks in 23 districts, etc. It has established 'Action Room to Reduce Poverty' in collaboration with United Nations to develop Micro Development plans in most deprived 27 blocks from 13 districts covering eight SDG.

### Sustainable Development Goals Index

10.135 The SDG India Index 2019-20, report was released on 30<sup>th</sup> December, 2019 by NITI Aayog. The Index has been constructed spanning across 16 out of 17 SDGs (excluding 17) with a qualitative assessment. It tracks the progress of all the States and Union Territories (UTs) on a set of 100 National Indicators derived from the National Indicator Framework, measuring their progress on the outcomes of interventions and schemes of the Government of India. The performance of the states has been categorised in four categories based on their score out of 100- Achiever (100), Front runner (65-99), Performer (50-64) and Aspirant (0-49).

10.136 As per SDG India Index Report 2019-20, Maharashtra ranks 7<sup>th</sup> in India with a score of 64 (Performer), along with Gujarat and Uttarakhand, as against all India score of 60. Kerala ranks at the top with score of 70 followed by Himachal Pradesh (69). As per the report, the best performing goal for the state is Goal 6- Clean Water & Sanitation with a score of 93 and the least performing goal for the state is Goal 2- Zero Hunger with a score of 34. The State performance across 16 SDGs is given table 10.91.

**Table 10.91 State performance across the 16 SDGs**

| Performance | Performance    |                                                |                                                |                                            |
|-------------|----------------|------------------------------------------------|------------------------------------------------|--------------------------------------------|
|             | Achiever (100) | Front Runner (65-99)                           | Performer (50-64)                              | Aspirant (0-49)                            |
| SDGs        | None           | Goal 3 Good Health and Well-Being              | Goal 9 Industry, Innovation and Infrastructure | Goal 1 No Poverty                          |
|             |                | Goal 4 Quality Education                       | Goal 13 Climate Action                         | Goal 2 Zero Hunger                         |
|             |                | Goal 6 Clean Water & Sanitation                |                                                | Goal 5 Gender Equality                     |
|             |                | Goal 7 Affordable and Clean Energy             |                                                | Goal 11 Sustainable Cities and Communities |
|             |                | Goal 8 Decent Work and Economic Growth         |                                                | Goal 14 Life Below Water                   |
|             |                | Goal 10 Reduced Inequality                     |                                                |                                            |
|             |                | Goal 12 Sustainable Consumption & Production   |                                                |                                            |
|             |                | Goal 15 Life on Land                           |                                                |                                            |
|             |                | Goal 16 Peace, Justice and Strong Institutions |                                                |                                            |
|             |                |                                                |                                                |                                            |

Source : SDG India Index 2019-20 Report

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## ANNEXURE 10.1

REGIONWISE AND EDUCATION LEVELWISE INSTITUTIONS,  
ENROLMENT AND NUMBER OF TEACHERS

| Item                                     | Year    | Region  |         |         |            |          |         | Total    |
|------------------------------------------|---------|---------|---------|---------|------------|----------|---------|----------|
|                                          |         | Konkan  | Pune    | Nashik  | Aurangabad | Amravati | Nagpur  |          |
| (1)                                      | (2)     | (3)     | (4)     | (5)     | (6)        | (7)      | (8)     | (9)      |
| Primary (I to VIII)                      |         |         |         |         |            |          |         |          |
| No. of Schools                           | 2016-17 | 20,459  | 21,968  | 17,775  | 20,810     | 11,313   | 12,645  | 1,04,970 |
|                                          | 2017-18 | 20,721  | 22,163  | 17,998  | 21,267     | 11,592   | 12,805  | 1,06,546 |
|                                          | 2018-19 | 20,541  | 22,100  | 17,985  | 21,258     | 11,565   | 12,788  | 1,06,237 |
|                                          | 2019-20 | NA      | NA      | NA      | NA         | NA       | NA      | NA       |
| Total enrolment ('000)                   | 2016-17 | 3,840.8 | 3,197.4 | 2,848.1 | 3,057.0    | 1,548.1  | 1,494.4 | 15,985.7 |
|                                          | 2017-18 | 3,863.6 | 3,211.5 | 2,821.1 | 3,016.7    | 1,524.3  | 1,474.9 | 15,912.1 |
|                                          | 2018-19 | 3,795.5 | 3,213.8 | 2,804.7 | 2,986.4    | 1,496.1  | 1,451.6 | 15,748.1 |
|                                          | 2019-20 | NA      | NA      | NA      | NA         | NA       | NA      | NA       |
| Girls enrolment ('000)                   | 2016-17 | 1,817.1 | 1,481.0 | 1,316.5 | 1,424.2    | 732.2    | 719.0   | 7,490.0  |
|                                          | 2017-18 | 1,829.4 | 1,486.9 | 1,304.1 | 1,401.4    | 720.4    | 709.2   | 7,451.4  |
|                                          | 2018-19 | 1,798.7 | 1,491.5 | 1,299.4 | 1,389.3    | 707.4    | 697.8   | 7,384.1  |
|                                          | 2019-20 | NA      | NA      | NA      | NA         | NA       | NA      | NA       |
| No. of teachers ('000)                   | 2016-17 | 116.0   | 109.7   | 84.4    | 104.8      | 55.6     | 60.0    | 530.5    |
|                                          | 2017-18 | 119.2   | 112.2   | 86.5    | 107.3      | 56.3     | 60.6    | 542.0    |
|                                          | 2018-19 | 111.8   | 107.1   | 83.4    | 105.9      | 54.2     | 58.2    | 520.6    |
|                                          | 2019-20 | NA      | NA      | NA      | NA         | NA       | NA      | NA       |
| Pupil Teacher Ratio (PTR)                | 2016-17 | 33.0    | 29.0    | 33.6    | 29.0       | 27.7     | 24.8    | 30.4     |
|                                          | 2017-18 | 32.4    | 28.6    | 32.6    | 28.1       | 27.1     | 24.3    | 29.4     |
|                                          | 2018-19 | 33.9    | 30.0    | 33.6    | 28.2       | 27.6     | 24.9    | 30.3     |
|                                          | 2019-20 | NA      | NA      | NA      | NA         | NA       | NA      | NA       |
| Secondary & Higher secondary (IX to XII) |         |         |         |         |            |          |         |          |
| No. of Schools                           | 2016-17 | 5,188   | 5,336   | 4,070   | 5,044      | 2,941    | 3,158   | 25,737   |
|                                          | 2017-18 | 5,521   | 5,572   | 4,229   | 5,263      | 3,041    | 3,231   | 26,857   |
|                                          | 2018-19 | 5,209   | 5,255   | 3,948   | 4,756      | 2,756    | 2,948   | 24,872   |
|                                          | 2019-20 | NA      | NA      | NA      | NA         | NA       | NA      | NA       |
| Total enrolment ('000)                   | 2016-17 | 1,566.9 | 1,358.4 | 1,069.1 | 1,192.4    | 688.0    | 739.8   | 6,614.7  |
|                                          | 2017-18 | 1,570.8 | 1,375.1 | 1,091.5 | 1,214.7    | 676.4    | 719.7   | 6,648.3  |
|                                          | 2018-19 | 1,563.9 | 1,363.7 | 1,089.6 | 1,224.8    | 666.9    | 698.9   | 6,608.0  |
|                                          | 2019-20 | NA      | NA      | NA      | NA         | NA       | NA      | NA       |
| Girls enrolment ('000)                   | 2016-17 | 736.8   | 608.6   | 471.6   | 518.3      | 318.9    | 358.6   | 3,013.0  |
|                                          | 2017-18 | 741.0   | 619.3   | 484.0   | 535.2      | 314.9    | 348.1   | 3,042.6  |
|                                          | 2018-19 | 738.2   | 621.3   | 486.4   | 545.4      | 311.5    | 339.8   | 3,042.6  |
|                                          | 2019-20 | NA      | NA      | NA      | NA         | NA       | NA      | NA       |
| No. of teachers ('000)                   | 2016-17 | 47.4    | 46.6    | 33.1    | 38.1       | 21.2     | 26.3    | 212.7    |
|                                          | 2017-18 | 48.7    | 47.6    | 34.0    | 38.7       | 20.8     | 26.2    | 215.8    |
|                                          | 2018-19 | 58.1    | 52.7    | 40.0    | 41.8       | 22.9     | 28.3    | 243.7    |
|                                          | 2019-20 | NA      | NA      | NA      | NA         | NA       | NA      | NA       |
| Pupil Teacher Ratio (PTR)                | 2016-17 | 33.0    | 29.1    | 32.2    | 31.3       | 32.5     | 28.1    | 28.1     |
|                                          | 2017-18 | 32.3    | 28.9    | 32.1    | 31.4       | 32.5     | 27.5    | 30.8     |
|                                          | 2018-19 | 12.72   | 11.78   | 12.17   | 13.04      | 13.62    | 12.02   | 12.48    |
|                                          | 2019-20 | NA      | NA      | NA      | NA         | NA       | NA      | NA       |

Source: Maharashtra Prathamik Shikshan Parishad

NA Not Available

## ANNEXURE 10.2

**NUMBER OF HEALTH SCIENCE INSTITUTIONS, THEIR INTAKE CAPACITY AND STUDENTS  
ADMITTED IN THE FIRST YEAR OF THE COURSE FOR THE YEAR 2019-20**

| Faculty                                                  | Government        |                    |                      | Government aided  |                    |                      | Unaided           |                    |                      | Total             |                    |                      |
|----------------------------------------------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|
|                                                          | Insti-<br>tutions | Intake<br>capacity | Admitted<br>students | Insti-<br>tutions | Intake<br>capacity | Admitted<br>students | Insti-<br>tutions | Intake<br>capacity | Admitted<br>students | Insti-<br>tutions | Intake<br>capacity | Admitted<br>students |
| (1)                                                      | (2)               | (3)                | (4)                  | (5)               | (6)                | (7)                  | (8)               | (9)                | (10)                 | (11)              | (12)               | (13)                 |
| <b>Allopathy</b>                                         |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | 24                | 4,180              | 4,180                | 1                 | 100                | 100                  | 17                | 2,120              | 2,120                | 42                | 6,400              | 6,400                |
| Post-Graduate                                            | 21                | 2,101              | 1,863                | 1                 | 67                 | 55                   | 16                | 480                | 398                  | 22                | 2,648              | 2,337                |
| <b>Ayurvedic</b>                                         |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | 5                 | 563                | 561                  | 16                | 1,149              | 1,145                | 48                | 3,190              | 3,180                | 69                | 4,902              | 4,881                |
| Post-Graduate                                            | 4                 | 194                | 178                  | 13                | 160                | 156                  | 17                | 777                | 597                  | 30                | 1,131              | 931                  |
| <b>Homeopathy</b>                                        |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | --                | --                 | --                   | --                | --                 | --                   | 48                | 3,900              | 3,082                | 48                | 3,900              | 3,082                |
| Post-Graduate                                            | --                | --                 | --                   | --                | --                 | --                   | 15                | 357                | 307                  | 15                | 357                | 307                  |
| <b>Unani</b>                                             |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | --                | --                 | --                   | 3                 | 180                | 180                  | 3                 | 180                | 171                  | 6                 | 360                | 351                  |
| Post-Graduate                                            | --                | --                 | --                   | 0                 | 0                  | 0                    | 1                 | 17                 | 7                    | 1                 | 17                 | 7                    |
| <b>Dental</b>                                            |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | 4                 | 294                | 257                  | --                | --                 | --                   | 25                | 2,350              | 2,287                | 29                | 2,644              | 2,544                |
| Post-Graduate                                            | 6                 | 123                | 121                  | --                | --                 | --                   | 20                | 397                | 367                  | 23                | 520                | 488                  |
| <b>Physiotherapy</b>                                     |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | 4                 | 90                 | 90                   | --                | --                 | --                   | 39                | 1,860              | 1,670                | 43                | 1,960              | 1,760                |
| Post-Graduate                                            | 5                 | 50                 | 50                   | --                | --                 | --                   | 17                | 209                | 201                  | 22                | 257                | 251                  |
| <b>Occupational<br/>Therapy</b>                          |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | 4                 | 90                 | 88                   | --                | --                 | --                   | --                | --                 | --                   | 4                 | 90                 | 88                   |
| Post-Graduate                                            | 5                 | 32                 | 30                   | --                | --                 | --                   | --                | --                 | --                   | 5                 | 32                 | 30                   |
| <b>Audiology &amp;<br/>Speech Language<br/>Pathology</b> |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | 2                 | 53                 | 48                   | --                | --                 | --                   | --                | --                 | --                   | 2                 | 53                 | 48                   |
| Post-Graduate                                            | 2                 | 32                 | 31                   | --                | --                 | --                   | --                | --                 | --                   | 2                 | 32                 | 31                   |
| <b>Prosthetics &amp;<br/>Orthotics</b>                   |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | 1                 | 30                 | 30                   | --                | --                 | --                   | --                | --                 | --                   | 1                 | 30                 | 30                   |
| Post-Graduate                                            | 1                 | 4                  | 3                    | --                | --                 | --                   | --                | --                 | --                   | 1                 | 4                  | 3                    |
| <b>Nursing</b>                                           |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | 8                 | 370                | 333                  | --                | --                 | --                   | 135               | 5,470              | 4,346                | 143               | 5,840              | 4,679                |
| Post-Graduate                                            | 3                 | 47                 | 47                   | --                | --                 | --                   | 23                | 353                | 238                  | 26                | 400                | 285                  |
| <b>B.P.M.T</b>                                           |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                                 | 14                | 290                | 260                  | --                | --                 | --                   | 1                 | 80                 | 19                   | 15                | 370                | 279                  |

Source - Maharashtra University of Health Sciences, Nashik

## ANNEXURE 10.3

**NUMBER OF TECHNICAL INSTITUTIONS, THEIR INTAKE CAPACITY AND STUDENTS ADMITTED  
IN THE FIRST YEAR OF THE COURSE FOR THE YEAR 2019-20**

| Faculty                                           | Government        |                    |                      | Government aided  |                    |                      | Unaided           |                    |                      | Total             |                    |                      |
|---------------------------------------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|----------------------|
|                                                   | Insti-<br>tutions | Intake<br>capacity | Admitted<br>students | Insti-<br>tutions | Intake<br>capacity | Admitted<br>students | Insti-<br>tutions | Intake<br>capacity | Admitted<br>students | Insti-<br>tutions | Intake<br>capacity | Admitted<br>students |
| (1)                                               | (2)               | (3)                | (4)                  | (5)               | (6)                | (7)                  | (8)               | (9)                | (10)                 | (11)              | (12)               | (13)                 |
| <b>Engineering</b>                                |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Diploma                                           | 42                | 17,759             | 14,402               | 16                | 3,890              | 2,973                | 320               | 86,392             | 37,648               | 378               | 1,08,041           | 55,023               |
| Graduate                                          | 9                 | 3,280              | 2,961                | 12                | 3,285              | 2,972                | 319               | 1,20,972           | 59,990               | 340               | 1,27,537           | 65,923               |
| Post-Graduate                                     | 6                 | 924                | 621                  | 12                | 1,321              | 739                  | 188               | 11,564             | 3,503                | 206               | 13,809             | 4,863                |
| <b>Architecture</b>                               |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Graduate                                          | --                | --                 | --                   | 3                 | 187                | 187                  | 84                | 5,350              | 2,802                | 87                | 5,537              | 2,989                |
| Post-Graduate                                     | --                | --                 | --                   | --                | --                 | --                   | 20                | 510                | 339                  | 20                | 510                | 339                  |
| <b>Management Sciences</b>                        |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| MMS/MBA                                           | 1                 | 120                | 120                  | 15                | 1,260              | 1,015                | 301               | 32,535             | 28,521               | 317               | 33,915             | 29,656               |
| PGDM                                              | 1                 | 60                 | 60                   | --                | --                 | --                   | --                | --                 | --                   | 1                 | 60                 | 60                   |
| <b>Hotel management &amp; catering technology</b> |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Diploma                                           | 2                 | 120                | 120                  | --                | --                 | --                   | 1                 | 60                 | 52                   | 3                 | 180                | 172                  |
| Graduate                                          | --                | --                 | --                   | 1                 | 36                 | 20                   | 10                | 750                | 386                  | 11                | 786                | 406                  |
| Post-Graduate                                     | --                | --                 | --                   | --                | --                 | --                   | 1                 | 24                 | 7                    | 1                 | 24                 | 7                    |
| <b>Pharmacy</b>                                   |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
| Diploma                                           | 4                 | 210                | 210                  | 19                | 1,150              | 1,141                | 371               | 22,901             | 22,727               | 394               | 24,261             | 24,078               |
| Graduate                                          | 4                 | 208                | 208                  | 8                 | 390                | 381                  | 280               | 21,902             | 17,964               | 292               | 22,500             | 18,553               |
| Post-Graduate                                     | 3                 | 67                 | 67                   | 6                 | 261                | 238                  | 98                | 2,881              | 2,452                | 107               | 3,209              | 2,757                |
| Pharma D                                          | 2                 | 60                 | 60                   | --                | --                 | --                   | 8                 | 240                | 201                  | 10                | 300                | 261                  |
| <b>Master in Computer application</b>             |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
|                                                   | 2                 | 90                 | 85                   | 11                | 589                | 315                  | 78                | 5,709              | 3,158                | 91                | 6,388              | 3,558                |
| <b>Industrial training institutes</b>             |                   |                    |                      |                   |                    |                      |                   |                    |                      |                   |                    |                      |
|                                                   | 417               | 93,220             | 83,210               | --                | --                 | --                   | 557               | 54,988             | 35,087               | 974               | 1,48,208           | 1,18,297             |

Source - 1) Directorate of Technical Education, Mumbai.

2) Directorate of Vocational Education and Training, Mumbai.

## ANNEXURE 10.4

**NUMBER OF INSTITUTIONS FOR ARTS, SCIENCE, COMMERCE, NON A.I.C.T.E COURSES, LAW, EDUCATION, FINE ARTS, THEIR INTAKE CAPACITY AND STUDENTS ADMITTED IN FIRST YEAR OF THE COURSE FOR THE YEAR 2019-20**

| Faculty                      | Government             |                    |                      | Government aided       |                    |                      | Unaided                |                    |                      | Total                  |                    |                      |  |  |  |
|------------------------------|------------------------|--------------------|----------------------|------------------------|--------------------|----------------------|------------------------|--------------------|----------------------|------------------------|--------------------|----------------------|--|--|--|
|                              | Insti-<br>-<br>tutions | Intake<br>capacity | Admitted<br>students | Insti-<br>-<br>tutions | Intake<br>capacity | Admitted<br>students | Insti-<br>-<br>tutions | Intake<br>capacity | Admitted<br>students | Insti-<br>-<br>tutions | Intake<br>capacity | Admitted<br>students |  |  |  |
| (1)                          | (2)                    | (3)                | (4)                  | (5)                    | (6)                | (7)                  | (8)                    | (9)                | (10)                 | (11)                   | (12)               | (13)                 |  |  |  |
| <b>Arts</b>                  |                        |                    |                      |                        |                    |                      |                        |                    |                      |                        |                    |                      |  |  |  |
| Graduate                     | 15                     | 1,400              | 773                  | 1,089                  | 2,58,963           | 2,04,002             | 1,335                  | 75,203             | 46,585               | 2,439                  | 3,35,566           | 2,51,360             |  |  |  |
| Post-Graduate                |                        | 900                | 467                  |                        | 75,885             | 30,670               |                        | 4,457              | 1,616                |                        | 81,242             | 32,753               |  |  |  |
| <b>Science</b>               |                        |                    |                      |                        |                    |                      |                        |                    |                      |                        |                    |                      |  |  |  |
| Graduate                     |                        | 1,105              | 834                  |                        | 1,84,644           | 1,45,735             |                        | 71,394             | 41,415               |                        | 2,57,143           | 1,87,984             |  |  |  |
| Post-Graduate                |                        | 1,072              | 958                  |                        | 31,080             | 25,060               |                        | 4,371              | 3,326                |                        | 36,523             | 29,344               |  |  |  |
| <b>Commerce</b>              |                        |                    |                      |                        |                    |                      |                        |                    |                      |                        |                    |                      |  |  |  |
| Graduate                     |                        | 720                | 657                  |                        | 2,54,098           | 2,10,156             |                        | 1,22,635           | 80,471               |                        | 3,77,453           | 2,91,284             |  |  |  |
| Post-Graduate                |                        | 490                | 371                  |                        | 34,736             | 26,023               |                        | 6,638              | 4,287                |                        | 41,864             | 30,681               |  |  |  |
| <b>Non-A.I.C.T.E Courses</b> |                        |                    |                      |                        |                    |                      |                        |                    |                      |                        |                    |                      |  |  |  |
| Graduate                     |                        | 0                  | 0                    |                        | 16,682             | 12,744               |                        | 20,813             | 14,535               |                        | 37,495             | 27,279               |  |  |  |
| Post-Graduate                | --                     | --                 | 303                  | 91                     | 1,230              | 248                  | 1,533                  | 339                |                      |                        |                    |                      |  |  |  |
| <b>Law</b>                   |                        |                    |                      |                        |                    |                      |                        |                    |                      |                        |                    |                      |  |  |  |
| Graduate                     | 1                      | 300                | 291                  | 41                     | 6,000              | 3,765                | 91                     | 4,245              | 1,720                | 133                    | 10,545             | 5,776                |  |  |  |
| Post-Graduate                | --                     | --                 | --                   |                        | 1,838              | 1,215                |                        | 576                | 417                  |                        | 2,414              | 1,632                |  |  |  |
| <b>Education</b>             |                        |                    |                      |                        |                    |                      |                        |                    |                      |                        |                    |                      |  |  |  |
| D. Ed                        | 14                     | 797                | 536                  | 97                     | 4,545              | 3,180                | 720                    | 46,620             | 14,265               | 831                    | 51,962             | 17,981               |  |  |  |
| B. Ed                        | 12                     | 543                | 424                  | 39                     | 2,506              | 1,922                | 492                    | 22,801             | 18,138               | 543                    | 25,850             | 20,484               |  |  |  |
| M. Ed                        |                        | 152                | 15                   |                        | 250                | 93                   |                        | 1,606              | 612                  |                        | 2,008              | 720                  |  |  |  |
| <b>Visual Art</b>            |                        |                    |                      |                        |                    |                      |                        |                    |                      |                        |                    |                      |  |  |  |
| Diploma                      | 3                      | 145                | 120                  | 31                     | 1,930              | 1,607                | 178                    | 11,600             | 4,170                | 212                    | 13,675             | 5,897                |  |  |  |
| Graduate                     | 4                      | 300                | 329                  | --                     | --                 | --                   | --                     | --                 | --                   | 4                      | 300                | 329                  |  |  |  |
| Post-Graduate                | 3                      | 95                 | 49                   | --                     | --                 | --                   | --                     | --                 | --                   | 3                      | 95                 | 49                   |  |  |  |

Source - 1) Directorate of Higher Education, GoM

2) Directorate of Art, GoM

3) Maharashtra Academic Authority, Pune

Note : The information of Arts, Science, Commerce, Non-A.I.C.T.E Courses, Law and Education courses is provisional upto November 2019.

## ANNEXURE 10.5

**NUMBER OF INSTITUTIONS FOR AGRICULTURE, VETERINARY AND FISHERY SCIENCE COURSES,  
THEIR INTAKE CAPACITY AND STUDENTS ADMITTED IN FIRST YEAR OF THE COURSE  
FOR THE YEAR 2019-20**

| Faculty<br>(1)                         | Government               |                           |                             | Government aided         |                           |                             | Unaided                  |                           |                              | Total                     |                            |                              |
|----------------------------------------|--------------------------|---------------------------|-----------------------------|--------------------------|---------------------------|-----------------------------|--------------------------|---------------------------|------------------------------|---------------------------|----------------------------|------------------------------|
|                                        | Insti-<br>tutions<br>(2) | Intake<br>capacity<br>(3) | Admitted<br>students<br>(4) | Insti-<br>tutions<br>(5) | Intake<br>capacity<br>(6) | Admitted<br>students<br>(7) | Insti-<br>tutions<br>(8) | Intake<br>capacity<br>(9) | Admitted<br>students<br>(10) | Insti-<br>tutions<br>(11) | Intake<br>capacity<br>(12) | Admitted<br>students<br>(13) |
| <b>Agriculture</b>                     |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | 18                       | 1,828                     | 1,958                       | 2                        | 244                       | 243                         | 74                       | 7,890                     | 7,858                        | 94                        | 9,962                      | 10,059                       |
| Post-Graduate                          | 11                       | 885                       | 906                         | --                       | --                        | --                          | --                       | --                        | --                           | 11                        | 885                        | 906                          |
| Ph.D.                                  | 5                        | 174                       | 173                         | --                       | --                        | --                          | --                       | --                        | --                           | 5                         | 174                        | 173                          |
| <b>Horticulture</b>                    |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | 5                        | 200                       | 207                         | --                       | --                        | --                          | 10                       | 560                       | 555                          | 15                        | 760                        | 762                          |
| Post-Graduate                          | 10                       | 134                       | 127                         | --                       | --                        | --                          | --                       | --                        | --                           | 10                        | 134                        | 127                          |
| <b>Forestry</b>                        |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | 2                        | 64                        | 68                          | --                       | --                        | --                          | --                       | --                        | --                           | 2                         | 64                         | 68                           |
| Post-Graduate                          | 2                        | 21                        | 20                          | --                       | --                        | --                          | --                       | --                        | --                           | 2                         | 21                         | 20                           |
| <b>Fishery Science</b>                 |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | 1                        | 40                        | 41                          | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 40                         | 41                           |
| Post-Graduate                          | 1                        | 28                        | 25                          | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 28                         | 25                           |
| Ph.D.                                  | 1                        | 11                        | 2                           | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 11                         | 2                            |
| <b>Food Technology</b>                 |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | 2                        | 104                       | 111                         | --                       | --                        | --                          | 25                       | 1,520                     | 1,139                        | 27                        | 1,624                      | 1,250                        |
| Post-Graduate                          | 1                        | 15                        | 14                          | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 15                         | 14                           |
| Ph.D.                                  | 1                        | 5                         | 5                           | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 5                          | 5                            |
| <b>Bio-Technology</b>                  |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | 2                        | 80                        | 77                          | --                       | --                        | --                          | 16                       | 1,000                     | 887                          | 18                        | 1,080                      | 964                          |
| Post-Graduate                          | 1                        | 8                         | 8                           | --                       | --                        | --                          | 3                        | 24                        | 21                           | 4                         | 32                         | 29                           |
| Ph.D.                                  | 1                        | 3                         | 3                           | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 3                          | 3                            |
| <b>Agriculture Engineering</b>         |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | 4                        | 247                       | 263                         | --                       | --                        | --                          | 15                       | 880                       | 685                          | 19                        | 1,127                      | 948                          |
| Post-Graduate                          | 4                        | 86                        | 79                          | --                       | --                        | --                          | --                       | --                        | --                           | 4                         | 86                         | 79                           |
| Ph.D.                                  | 4                        | 36                        | 22                          | --                       | --                        | --                          | --                       | --                        | --                           | 4                         | 36                         | 22                           |
| <b>Home /Community Science</b>         |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | 1                        | 40                        | 34                          | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 40                         | 34                           |
| Post-Graduate                          | 1                        | 12                        | 10                          | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 12                         | 10                           |
| Ph.D.                                  | 1                        | 2                         | 1                           | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 2                          | 1                            |
| <b>Agriculture Business Management</b> |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | --                       | --                        | --                          | --                       | --                        | --                          | 12                       | 600                       | 515                          | 12                        | 600                        | 515                          |
| Post-Graduate                          | 1                        | 35                        | 23                          | --                       | --                        | --                          | 3                        | 60                        | 60                           | 4                         | 95                         | 83                           |
| <b>Animal Husbandry</b>                |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | --                       | --                        | --                          | --                       | --                        | --                          | --                       | --                        | --                           | --                        | --                         | --                           |
| <b>Post Harvest Management</b>         |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Post-Graduate                          | 1                        | 30                        | 8                           | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 30                         | 8                            |
| <b>Veterinary</b>                      |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | 5                        | 405                       | 399                         | --                       | --                        | --                          | --                       | --                        | --                           | 5                         | 405                        | 399                          |
| Post-Graduate                          | 6                        | 260                       | 198                         | --                       | --                        | --                          | --                       | --                        | --                           | 6                         | 260                        | 198                          |
| Ph.D.                                  | 6                        | 101                       | 17                          | --                       | --                        | --                          | --                       | --                        | --                           | 6                         | 101                        | 17                           |
| <b>Dairy Technology</b>                |                          |                           |                             |                          |                           |                             |                          |                           |                              |                           |                            |                              |
| Graduate                               | 2                        | 76                        | 64                          | --                       | --                        | --                          | --                       | --                        | --                           | 2                         | 76                         | 64                           |
| Post-Graduate                          | 1                        | 8                         | --                          | --                       | --                        | --                          | --                       | --                        | --                           | 1                         | 8                          | --                           |

Source - 1) Maharashtra Council of Agriculture Education and Research, Pune.

2) Maharashtra Animal and Fishery Sciences University, Nagpur



## ANNEXURE 10.6

**MEDICAL FACILITIES AVAILABLE IN THE STATE  
(PUBLIC, LOCAL BODIES AND TRUST HOSPITALS)**

| Serial No. | Year | Hospitals<br>(no.) | Dispensaries<br>(no.) | Sub centres<br>(no.) | Primary<br>health<br>centres<br>(no.) | Primary<br>health units<br>(no.) | T. B.<br>Hospitals<br>and clinics<br>(no.) | Beds in @@<br>institutions<br>(no.) | Beds per @<br>lakh of<br>population |
|------------|------|--------------------|-----------------------|----------------------|---------------------------------------|----------------------------------|--------------------------------------------|-------------------------------------|-------------------------------------|
| (1)        | (2)  | (3)                | (4)                   | (5)                  | (6)                                   | (7)                              | (8)                                        | (9)                                 | (10)                                |
| 1          | 1971 | 299                | 1,372                 | NA                   | 388                                   | 1                                | 72                                         | 43,823                              | 88                                  |
| 2          | 1981 | 530                | 1,776                 | NA                   | 454                                   | 400                              | 90                                         | 71,385                              | 114                                 |
| 3          | 1991 | 768                | 1,896                 | NA                   | 1,672                                 | 81                               | 1,977                                      | 1,09,267                            | 144                                 |
| 4          | 2001 | 981                | 1,629                 | NA                   | 1,768                                 | 169                              | 2,520                                      | 1,01,670                            | 105                                 |
| 5          | 2011 | 1,368              | 3,012                 | 10,580               | 1,816                                 | 191                              | 2,520                                      | 1,18,116                            | 103                                 |
| 6          | 2012 | 1,393              | 3,087                 | 10,580               | 1,816                                 | 193                              | 2,520                                      | 1,19,355                            | 106                                 |
| 7          | 2013 | 1,395              | 3,087                 | 10,580               | 1,811                                 | 193                              | 3,062 <sup>###</sup>                       | 1,20,576                            | 107                                 |
| 8          | 2014 | 1,402              | 3,087                 | 10,580               | 1,811                                 | 193                              | 3,062 <sup>###</sup>                       | 1,21,066                            | 108                                 |
| 9          | 2015 | 1,402              | 3,087                 | 10,580               | 1,811                                 | 193                              | 3,066 <sup>###</sup>                       | 1,21,108                            | 108                                 |
| 10         | 2016 | 1,402              | 3,087                 | 10,580               | 1,811                                 | 193                              | 3,091 <sup>###</sup>                       | 1,21,108                            | 108                                 |
| 11         | 2017 | 1,402              | 3,087                 | 10,668               | 1,814                                 | 193                              | 5,337                                      | 1,23,742                            | 101                                 |
| 12         | 2018 | 1,402              | 3,087                 | 10,668               | 1,828                                 | 193                              | 5,337                                      | 1,27,943                            | 103                                 |

Source - (1) State Family Welfare Bureau, GoM

(2) Directorate of Health Services, GoM

(3) State Bureau of Health Intelligence and Vital Statistics, GoM

@@ Includes beds in Public, Local Bodies and Trust Hospitals only. Beds in Private hospitals not included.

@ Based on mid year projected population of respective year.

## It includes T.B. Hospitals, centres, treatment units, etc.

## ANNEXURE 10.7

**BIRTH RATES, DEATH RATES, INFANT MORTALITY RATES AND TOTAL FERTILITY RATES  
BASED ON SAMPLE REGISTRATION SCHEME OF THE STATE**

| Year  | Birth rate |        |        | Death rate |       |        | Infant mortality rate |       |       | Total fertility rate |       |       |
|-------|------------|--------|--------|------------|-------|--------|-----------------------|-------|-------|----------------------|-------|-------|
|       | Rural      | Urban  | Total  | Rural      | Urban | Total  | Rural                 | Urban | Total | Rural                | Urban | Total |
| (1)   | (2)        | (3)    | (4)    | (5)        | (6)   | (7)    | (8)                   | (9)   | (10)  | (11)                 | (12)  | (13)  |
| 1971  | 33.7       | 29.0   | 32.2   | 13.5       | 9.7   | 12.3   | 111                   | 88    | 105   | 4.9                  | 3.9   | 4.6   |
|       | (38.9)     | (30.1) | (36.9) | (16.4)     | (9.7) | (14.9) | (138)                 | (82)  | (129) | (5.4)                | (4.1) | (5.2) |
| 1981  | 30.4       | 24.5   | 28.5   | 10.6       | 7.4   | 9.6    | 90                    | 49    | 79    | 4.0                  | 3.0   | 3.7   |
|       | (35.6)     | (27.0) | (33.9) | (13.7)     | (7.8) | (12.5) | (119)                 | (62)  | (110) | (4.8)                | (3.3) | (4.5) |
| 1991* | 28.0       | 22.9   | 26.2   | 9.3        | 6.2   | 8.2    | 69                    | 38    | 60    | 3.4                  | 2.5   | 3.0   |
|       | (30.9)     | (24.3) | (29.5) | (10.6)     | (7.1) | (9.8)  | (87)                  | (53)  | (80)  | (3.9)                | (2.7) | (3.6) |
| 2001  | 21.1       | 20.2   | 20.7   | 8.5        | 5.9   | 7.5    | 55                    | 28    | 45    | 2.6                  | 2.2   | 2.4   |
|       | (27.1)     | (20.3) | (25.4) | (9.1)      | (6.3) | (8.4)  | (72)                  | (42)  | (66)  | (3.4)                | (2.3) | (3.1) |
| 2007  | 18.7       | 17.3   | 18.1   | 7.3        | 5.7   | 6.6    | 41                    | 24    | 34    | 2.2                  | 1.8   | 2.0   |
|       | (24.7)     | (18.6) | (23.1) | (8.0)      | (6.0) | (7.4)  | (61)                  | (37)  | (55)  | (3.0)                | (2.0) | (2.7) |
| 2008  | 18.4       | 17.2   | 17.9   | 7.4        | 5.6   | 6.6    | 40                    | 23    | 33    | 2.1                  | 1.7   | 2.0   |
|       | (24.4)     | (18.5) | (22.8) | (8.0)      | (5.9) | (7.4)  | (58)                  | (36)  | (53)  | (2.9)                | (2.0) | (2.6) |
| 2009  | 18.1       | 16.9   | 17.6   | 7.6        | 5.5   | 6.7    | 37                    | 22    | 31    | 2.1                  | 1.7   | 1.9   |
|       | (24.1)     | (18.3) | (22.5) | (7.8)      | (5.8) | (7.3)  | (55)                  | (34)  | (50)  | (2.9)                | (2.0) | (2.6) |
| 2010  | 17.6       | 16.4   | 17.1   | 7.5        | 5.3   | 6.5    | 34                    | 20    | 28    | 2.0                  | 1.7   | 1.9   |
|       | (23.7)     | (18.0) | (22.1) | (7.7)      | (5.8) | (7.2)  | (51)                  | (31)  | (47)  | (2.8)                | (1.9) | (2.5) |
| 2011  | 17.3       | 15.8   | 16.7   | 7.3        | 5.1   | 6.3    | 30                    | 17    | 25    | 1.9                  | 1.6   | 1.8   |
|       | (23.3)     | (17.6) | (21.8) | (7.6)      | (5.7) | (7.1)  | (48)                  | (29)  | (44)  | (2.7)                | (1.9) | (2.4) |
| 2012  | 17.4       | 15.5   | 16.6   | 7.3        | 5.0   | 6.3    | 30                    | 17    | 25    | 2.0                  | 1.6   | 1.8   |
|       | (23.1)     | (17.4) | (21.6) | (7.6)      | (5.6) | (7.0)  | (46)                  | (28)  | (42)  | (2.6)                | (1.8) | (2.4) |
| 2013  | 17.2       | 15.4   | 16.5   | 7.1        | 5.0   | 6.2    | 29                    | 16    | 24    | 1.9                  | 1.6   | 1.8   |
|       | (22.9)     | (17.3) | (21.4) | (7.5)      | (5.6) | (7.0)  | (44)                  | (27)  | (40)  | (2.5)                | (1.8) | (2.3) |
| 2014  | 16.8       | 16.0   | 16.5   | 6.8        | 4.8   | 6.0    | 27                    | 14    | 22    | 1.9                  | 1.7   | 1.8   |
|       | (22.7)     | (17.4) | (21.0) | (7.3)      | (5.5) | (6.7)  | (43)                  | (26)  | (39)  | (2.5)                | (1.8) | (2.3) |
| 2015  | 16.6       | 15.9   | 16.3   | 6.6        | 4.7   | 5.8    | 26                    | 14    | 21    | 2.0                  | 1.6   | 1.8   |
|       | (22.4)     | (17.3) | (20.8) | (7.1)      | (5.4) | (6.5)  | (41)                  | (25)  | (37)  | (2.5)                | (1.8) | (2.3) |
| 2016  | 16.3       | 15.5   | 15.9   | 6.9        | 4.6   | 5.9    | 24                    | 13    | 19    | 1.9                  | 1.6   | 1.8   |
|       | (22.1)     | (17.0) | (20.4) | (6.9)      | (5.4) | (6.4)  | (38)                  | (23)  | (34)  | (2.5)                | (1.8) | (2.3) |
| 2017  | 16.0       | 15.4   | 15.7   | 6.6        | 4.6   | 5.7    | 23                    | 14    | 19    | 1.8                  | 1.5   | 1.7   |
|       | (21.8)     | (16.8) | (20.2) | (6.9)      | (5.3) | (6.3)  | (37)                  | (23)  | (33)  | (2.4)                | (1.7) | (2.2) |

Source - Sample Registration Scheme Bulletin, Registrar General of India, New Delhi

- Note - (1) Bracketed figures are for India.  
 (2) \* Excludes Jammu & Kashmir.  
 (3) Birth rates and Death rates are per thousand population.  
 (4) Infant mortality rates are per thousand live births.

## ANNEXURE 10.8

## ECONOMIC CLASSIFICATION OF WORKERS AS PER POPULATION CENSUS 2011

('000)

| Class of workers           | Main /<br>Marginal /<br>Total | Maharashtra   |               |                 | India <sup>#</sup> |                 |                  |
|----------------------------|-------------------------------|---------------|---------------|-----------------|--------------------|-----------------|------------------|
|                            |                               | Males         | Females       | Total           | Males              | Females         | Total            |
| (1)                        | (2)                           | (3)           | (4)           | (5)             | (6)                | (7)             | (8)              |
| (A) Workers                |                               |               |               |                 |                    |                 |                  |
| 1. Cultivators             | Main                          | 7,181         | 4,297         | 11,478          | 73,018             | 22,823          | 95,841           |
|                            | Marginal                      | 411           | 680           | 1,091           | 9,689              | 13,163          | 22,851           |
|                            | Total                         | 7,592         | 4,977         | 12,569          | 82,707             | 35,986          | 1,18,692         |
| 2. Agricultural labourers  | Main                          | 5,847         | 5,222         | 11,069          | 55,255             | 30,912          | 86,167           |
|                            | Marginal                      | 928           | 1,489         | 2,417           | 27,485             | 30,678          | 58,163           |
|                            | Total                         | 6,775         | 6,711         | 13,486          | 82,740             | 61,590          | 1,44,330         |
| 3. In Household Industries | Main                          | 607           | 385           | 991             | 7,540              | 4,791           | 12,331           |
|                            | Marginal                      | 84            | 150           | 234             | 2,236              | 3,769           | 6,005            |
|                            | Total                         | 691           | 535           | 1,225           | 9,776              | 8,560           | 18,336           |
| 4. Other                   | Main                          | 16,355        | 3,870         | 20,225          | 1,37,336           | 30,771          | 1,68,107         |
|                            | Marginal                      | 1,204         | 718           | 1,922           | 19,307             | 12,971          | 32,278           |
|                            | Total                         | 17,559        | 4,588         | 22,147          | 1,56,643           | 43,742          | 2,00,385         |
| Total (A)                  | Main                          | 29,989        | 13,774        | 43,763          | 2,73,149           | 89,297          | 3,62,446         |
|                            | Marginal                      | 2,628         | 3,037         | 5,665           | 58,717             | 60,580          | 1,19,297         |
|                            | Total                         | 32,617        | 16,811        | 49,428          | 3,31,866           | 1,49,877        | 4,81,743         |
| (B) Non-Workers            | Total                         | 25,626        | 37,320        | 62,946          | 2,91,256           | 4,37,570        | 7,28,826         |
| <b>Total (A+B)</b>         |                               | <b>58,243</b> | <b>54,131</b> | <b>1,12,374</b> | <b>6,23,122</b>    | <b>5,87,447</b> | <b>12,10,569</b> |

Source - Registrar General and Census Commissioner, GoI

# Excludes Mao-Maram, Paomata and Purul sub-divisions of Senapati district of Manipur state

Note - Figures may not add up to totals due to rounding

## ANNEXURE 10.9

## AVERAGE DAILY EMPLOYMENT IN DIFFERENT INDUSTRIES IN THE STATE

('00)

| Sr.<br>No    | Industry Group                                             | Average daily employment |               |               |               |               |               |               |               |               |
|--------------|------------------------------------------------------------|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|              |                                                            | 1971                     | 1981          | 1991          | 2001          | 2011          | 2016          | 2017          | 2018          | 2019          |
| (1)          | (2)                                                        | (3)                      | (4)           | (5)           | (6)           | (7)           | (8)           | (9)           | (10)          | (11)          |
| <b>(A)</b>   | <b>Consumer Goods Industries</b>                           | <b>5,020</b>             | <b>5,168</b>  | <b>4,535</b>  | <b>4,533</b>  | <b>5,164</b>  | <b>5,936</b>  | <b>6,314</b>  | <b>6,707</b>  | <b>7,065</b>  |
| 1            | Food products, beverages and tobacco products              | 921                      | 965           | 1,330         | 1,662         | 1,991         | 2,619         | 2,804         | 3,064         | 3,442         |
| 2            | Textiles (including wearing apparels)                      | 3,516                    | 3,554         | 2,527         | 2,167         | 2,182         | 2,413         | 2,554         | 2,662         | 2,705         |
| 3            | Wood and wood products                                     | 75                       | 75            | 152           | 154           | 217           | 275           | 284           | 308           | 301           |
| 4            | Paper, paper products, printing and publishing, etc.       | 494                      | 549           | 491           | 525           | 736           | 560           | 588           | 583           | 526           |
| 5            | Tanning and dressing of leather & leather products         | 14                       | 25            | 35            | 25            | 38            | 69            | 86            | 91            | 90            |
| <b>(B)</b>   | <b>Reconstruction goods Industries</b>                     | <b>2,435</b>             | <b>3,193</b>  | <b>3,421</b>  | <b>3,462</b>  | <b>6,648</b>  | <b>4,773</b>  | <b>5,242</b>  | <b>5,461</b>  | <b>5,431</b>  |
| 6            | Chemicals and chemical products                            | 760                      | 1,059         | 1,215         | 1,299         | 1,802         | 1,760         | 1,883         | 1,932         | 1,963         |
| 7            | Petroleum, rubber, plastic products                        | 349                      | 421           | 482           | 535           | 1,087         | 1,075         | 1,170         | 1,250         | 1,293         |
| 8            | Non-metallic mineral products                              | 402                      | 403           | 423           | 317           | 465           | 495           | 526           | 560           | 486           |
| 9            | Basic metals, metal products                               | 924                      | 1,310         | 1,301         | 1,311         | 3,294         | 1,443         | 1,663         | 1,719         | 1,689         |
| <b>(C)</b>   | <b>Capital goods Industries</b>                            | <b>2,110</b>             | <b>2,898</b>  | <b>2,712</b>  | <b>3,140</b>  | <b>5,033</b>  | <b>3,262</b>  | <b>3,035</b>  | <b>3,018</b>  | <b>3,251</b>  |
| 10           | Machinery and equipments (other than transport equipments) | 1,322                    | 1,786         | 1,614         | 1,720         | 2,407         | 1,401         | 1,354         | 1,367         | 1,573         |
| 11           | Transport equipments                                       | 608                      | 903           | 867           | 1,025         | 1,785         | 398           | 389           | 357           | 385           |
| 12           | Other manufacturing industries                             | 180                      | 209           | 231           | 395           | 841           | 1,463         | 1,292         | 1,294         | 1,293         |
| <b>(D)</b>   | <b>Others</b>                                              | <b>412</b>               | <b>663</b>    | <b>1,016</b>  | <b>870</b>    | <b>1,301</b>  | <b>10,063</b> | <b>10,957</b> | <b>11,664</b> | <b>13,127</b> |
| <b>Total</b> |                                                            | <b>9,977</b>             | <b>11,922</b> | <b>11,684</b> | <b>12,005</b> | <b>18,146</b> | <b>24,034</b> | <b>25,548</b> | <b>26,851</b> | <b>28,874</b> |

Source - Directorate of Industrial Safety and Health, GoM

Note - (1) Details may not add up to totals due to rounding

(2) Bidi factories are covered under separate Act from 1974

**ANNEXURE 10.10**  
**WORKING FACTORIES AND FACTORY EMPLOYMENT IN THE STATE**

Employment ('000)

| Year | Item **    | Section 2m (i)                 |                              |        | Section 2m (ii) & Section 85   |                              |        | All Factories                  |                              |                     |
|------|------------|--------------------------------|------------------------------|--------|--------------------------------|------------------------------|--------|--------------------------------|------------------------------|---------------------|
|      |            | Employing less than 50 workers | Employing 50 or more workers | Total  | Employing less than 50 workers | Employing 50 or more workers | Total  | Employing less than 50 workers | Employing 50 or more workers | Total all factories |
| (1)  | (2)        | (3)                            | (4)                          | (5)    | (6)                            | (7)                          | (8)    | (9)                            | (10)                         | (11)                |
| 1971 | Factories  | 6,341                          | 2,701                        | 9,042  | 856                            | 343                          | 1,199  | 7,197                          | 3,044                        | 10,241              |
|      | Employment | 123                            | 824                          | 947    | 15                             | 36                           | 51     | 138                            | 860                          | 998                 |
| 1981 | Factories  | 10,238                         | 3,132                        | 13,370 | 3,154                          | 70                           | 3,224  | 13,392                         | 3,202                        | 16,594              |
|      | Employment | 183                            | 983                          | 1,166  | 20                             | 6                            | 26     | 203                            | 989                          | 1,192               |
| 1991 | Factories  | 13,139                         | 3,199                        | 16,338 | 7,743                          | 38                           | 7,781  | 20,882                         | 3,237                        | 24,119              |
|      | Employment | 215                            | 910                          | 1,124  | 40                             | 4                            | 44     | 254                            | 914                          | 1,169               |
| 2001 | Factories  | 15,977                         | 3,929                        | 19,906 | 8,393                          | 25                           | 8,418  | 24,370                         | 3,954                        | 28,324              |
|      | Employment | 266                            | 891                          | 1,157  | 42                             | 2                            | 44     | 308                            | 893                          | 1,201               |
| 2009 | Factories  | 18,668                         | 6,112                        | 24,780 | 9,263                          | 17                           | 9,280  | 27,931                         | 6,129                        | 34,060              |
|      | Employment | 345                            | 1,103                        | 1,448  | 50                             | 2                            | 52     | 395                            | 1,105                        | 1,500               |
| 2010 | Factories  | 19,173                         | 6,517                        | 25,690 | 9,183                          | 15                           | 9,198  | 28,356                         | 6,532                        | 34,888              |
|      | Employment | 363                            | 1,231                        | 1,594  | 52                             | 1                            | 53     | 415                            | 1,233                        | 1,647               |
| 2011 | Factories  | 19,410                         | 7,373                        | 26,783 | 9,067                          | 26                           | 9,093  | 28,477                         | 7,399                        | 35,876              |
|      | Employment | 367                            | 1,394                        | 1,761  | 51                             | 3                            | 54     | 418                            | 1,397                        | 1,815               |
| 2015 | Factories  | 17,917                         | 7,908                        | 25,825 | 10,377                         | 87                           | 10,464 | 28,294                         | 7,995                        | 36,289              |
|      | Employment | 404                            | 1,584                        | 1,989  | 60                             | 10                           | 70     | 464                            | 1,595                        | 2,059               |
| 2016 | Factories  | 20,823                         | 9,317                        | 30,140 | 5,159                          | 48                           | 5,207  | 25,982                         | 9,365                        | 35,347              |
|      | Employment | 449                            | 1,910                        | 2,359  | 40                             | 4                            | 44     | 489                            | 1,914                        | 2,403               |
| 2017 | Factories  | 16,893                         | 9,108                        | 26,001 | 8,698                          | 70                           | 8,768  | 25,591                         | 9,178                        | 34,769              |
|      | Employment | 466                            | 2,014                        | 2,480  | 68                             | 8                            | 76     | 533                            | 2,022                        | 2,555               |
| 2018 | Factories  | 18,655                         | 9,431                        | 28,086 | 7,824                          | 45                           | 7,869  | 26,479                         | 9,476                        | 35,955              |
|      | Employment | 466                            | 2,153                        | 2,618  | 62                             | 5                            | 67     | 528                            | 2,157                        | 2,685               |
| 2019 | Factories  | 18,451                         | 9,252                        | 27,703 | 7,826                          | 51                           | 7,877  | 26,277                         | 9,303                        | 35,580              |
|      | Employment | 537                            | 2,275                        | 2,813  | 70                             | 5                            | 75     | 607                            | 2,280                        | 2,887               |

Source – Directorate of Industrial Safety and Health, GoM

Note - (1) Employment includes estimated average daily employment of factories not submitting returns

(2) Figures pertain to the factories registered under the Factories Act, 1948

(3) Details may not add up to totals due to rounding in respect of employment

\*\* Factories – Number of working factories      Employment – Average Daily Employment

Bidi factories are deregistered and covered under separate Act from 1974

## ANNEXURE 10.11

## REGISTRATIONS IN THE SKILL DEVELOPMENT, EMPLOYMENT AND ENTREPRENEURSHIP GUIDANCE CENTRES IN THE STATE, THE VACANCIES NOTIFIED AND PLACEMENTS EFFECTED

('000)

| Year | Number of Registrations<br>during reference Year | Number of vacancies<br>notified | Number of placements<br>during reference year | Number of persons on live<br>register at the end of the<br>year |
|------|--------------------------------------------------|---------------------------------|-----------------------------------------------|-----------------------------------------------------------------|
| (1)  | (2)                                              | (3)                             | (4)                                           | (5)                                                             |
| 1991 | 591.8                                            | 64.8                            | 30.3                                          | 3,159.8                                                         |
| 1992 | 596.6                                            | 55.9                            | 29.1                                          | 3,320.5                                                         |
| 1993 | 599.7                                            | 55.4                            | 24.1                                          | 3,349.6                                                         |
| 1994 | 635.8                                            | 52.1                            | 24.7                                          | 3,439.2                                                         |
| 1995 | 720.1                                            | 49.7                            | 18.7                                          | 3,634.3                                                         |
| 1996 | 688.7                                            | 53.7                            | 22.6                                          | 3,787.2                                                         |
| 1997 | 692.8                                            | 47.4                            | 22.9                                          | 3,933.1                                                         |
| 1998 | 729.3                                            | 37.9                            | 16.8                                          | 4,109.6                                                         |
| 1999 | 861.1                                            | 50.9                            | 16.2                                          | 4,183.8                                                         |
| 2000 | 750.8                                            | 43.9                            | 18.1                                          | 4,348.8                                                         |
| 2001 | 623.2                                            | 32.3                            | 12.5                                          | 4,419.7                                                         |
| 2002 | 622.7                                            | 30.9                            | 9.5                                           | 4,203.3                                                         |
| 2003 | 819.1                                            | 59.6                            | 16.4                                          | 4,044.1                                                         |
| 2004 | 880.3                                            | 43.4                            | 15.1                                          | 4,105.7                                                         |
| 2005 | 645.2                                            | 44.2                            | 13.9                                          | 4,000.3                                                         |
| 2006 | 608.1                                            | 68.3                            | 14.8                                          | 3,608.5                                                         |
| 2007 | 616.7                                            | 97.5                            | 9.2                                           | 3,213.8                                                         |
| 2008 | 721.5                                            | 99.2                            | 11.8                                          | 3,007.2                                                         |
| 2009 | 698.3                                            | 176.6                           | 17.2                                          | 2,875.9                                                         |
| 2010 | 892.9                                            | 378.8                           | 353.9                                         | 2,682.4                                                         |
| 2011 | 747.5                                            | 346.2                           | 191.0                                         | 2,596.2                                                         |
| 2012 | 612.3                                            | 259.2                           | 134.2                                         | 2,404.0                                                         |
| 2013 | 630.3                                            | 118.9                           | 114.6                                         | 3,034.8                                                         |
| 2014 | 536.4                                            | 841.1                           | 84.7                                          | 3,571.5                                                         |
| 2015 | 461.9                                            | 571.4                           | 70.4                                          | 3,401.5                                                         |
| 2016 | 460.0                                            | 576.8                           | 144.0                                         | 3,356.7                                                         |
| 2017 | 539.3                                            | 413.1                           | 222.6                                         | 3,819.6                                                         |
| 2018 | 726.9                                            | 785.3                           | 197.9                                         | 4,403.4                                                         |
| 2019 | 786.6                                            | 467.6                           | 200.0                                         | 4,990.0                                                         |

Source - Directorate of Skill Development, Employment and Entrepreneurship, GoM

## ANNEXURE 10.12

**NUMBER OF PERSONS ON THE LIVE REGISTER OF SKILL DEVELOPMENT, EMPLOYMENT AND  
ENTREPRENEURSHIP GUIDANCE CENTRES AS ON 31<sup>st</sup> DECEMBER 2019**

| Sr. No. | Educational Qualification            | Total Persons    | Of which, females | Percentage of females | Percentage of persons to grand total |
|---------|--------------------------------------|------------------|-------------------|-----------------------|--------------------------------------|
| (1)     | (2)                                  | (3)              | (4)               | (5)                   | (6)                                  |
| 1.      | Below S.S.C. (including illiterates) | 11,67,997        | 1,61,740          | 13.85                 | 23.41                                |
| 2.      | S.S.C. Passed                        | 12,19,868        | 2,87,808          | 23.59                 | 24.45                                |
| 3.      | H.S.C. Passed                        | 12,28,103        | 3,18,193          | 25.91                 | 24.61                                |
| 4.      | I.T.I. trained and Apprentices       | 2,42,525         | 25,141            | 10.37                 | 4.86                                 |
| 5.      | Diploma holder                       |                  |                   |                       |                                      |
|         | 5.1 Engineering/Technology           | 87,651           | 20,459            | 23.34                 | 1.76                                 |
|         | 5.2 Medicine, DMLT and Pharmacy      | 19,353           | 7,055             | 36.45                 | 0.39                                 |
|         | 5.3 Others                           | 1,40,149         | 1,16,952          | 83.45                 | 2.81                                 |
|         | <b>Total (5.1 to 5.3)</b>            | <b>2,47,153</b>  | <b>1,44,466</b>   | <b>58.45</b>          | <b>4.95</b>                          |
| 6.      | Graduate                             |                  |                   |                       |                                      |
|         | 6.1 Engineering/Technology           | 99,877           | 22,853            | 22.88                 | 2.00                                 |
|         | 6.2 Medicine                         | 2,860            | 1,852             | 64.76                 | 0.06                                 |
|         | 6.3 Others                           | 6,54,661         | 2,23,708          | 34.17                 | 13.12                                |
|         | <b>Total (6.1 to 6.3)</b>            | <b>7,57,398</b>  | <b>2,48,413</b>   | <b>32.80</b>          | <b>15.18</b>                         |
| 7.      | Post-Graduate                        |                  |                   |                       |                                      |
|         | 7.1 Engineering/Technology           | 4,316            | 1,538             | 35.63                 | 0.09                                 |
|         | 7.2 Medicine                         | 240              | 154               | 64.17                 | 0.00                                 |
|         | 7.3 Others                           | 1,22,417         | 39,159            | 31.99                 | 2.45                                 |
|         | <b>Total (7.1 to 7.3)</b>            | <b>1,26,973</b>  | <b>40,851</b>     | <b>32.17</b>          | <b>2.54</b>                          |
|         | <b>Grand Total</b>                   | <b>49,90,017</b> | <b>12,26,612</b>  | <b>24.58</b>          | <b>100.00</b>                        |

Source - Directorate of Skill Development, Employment and Entrepreneurship, GoM

Note - In above, job seeker's having more than one qualification are counted in each respective qualification.



## ANNEXURE 10.13

**CATEGORYWISE NUMBER OF WORKS COMPLETED AND EXPENDITURE INCURRED THEREON UNDER THE MAHATMA GANDHI NATIONAL RURAL EMPLOYMENT GUARANTEE ACT (MGNREGA) IN THE STATE**

| (₹ Lakh)     |                                                       |                 |                      |                 |                      |                 |                      |                 |                      |                       |                      |
|--------------|-------------------------------------------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------------|----------------------|
| Sr. No.      | Category of work                                      | 2015-16         |                      | 2016-17         |                      | 2017-18         |                      | 2018-19         |                      | 2019-20 <sup>\$</sup> |                      |
|              |                                                       | Works           | Expenditure incurred | works           | Expenditure incurred | works           | Expenditure incurred | Works           | Expenditure incurred | works                 | Expenditure incurred |
| (1)          | (2)                                                   | (3)             | (4)                  | (5)             | (6)                  | (7)             | (8)                  | (9)             | (10)                 | (11)                  | (12)                 |
| 1.           | Rural Connectivity                                    | 6,127           | 39,420.29            | 8,179           | 36,660.54            | 6,644           | 20,935.72            | 4,766           | 7,678.35             | 6,020                 | 462.89               |
| 2.           | Flood Control and Protection                          | 314             | 4,293.90             | 595             | 5,505.73             | 725             | 5,226.68             | 718             | 3,184.78             | 713                   | 1,312.86             |
| 3.           | Water Conservation and Water Harvesting               | 20,027          | 35,315.34            | 22,772          | 31,427.76            | 15,287          | 21,115.55            | 19,147          | 20,825.17            | 11,940                | 6,187.78             |
| 4.           | Drought Proofing                                      | 17,370          | 22,136.01            | 28,021          | 19,108.82            | 18,772          | 21,893.14            | 15,004          | 15,477.72            | 18,408                | 4,410.68             |
| 5.           | Micro Irrigation Works                                | 473             | 1,242.39             | 393             | 826.37               | 275             | 965.59               | 276             | 757.19               | 374                   | 429.63               |
| 6.           | Provision of Irrigation facility to SC/ST Land Owners | 35,469          | 44,535.71            | 51,214          | 59,792.88            | 1,35,603        | 75,062.42            | 2,15,447        | 72,107.21            | 2,17,199              | 29,196.69            |
| 7.           | Renovation of Traditional Water Bodies                | 2,438           | 6,639.12             | 3,409           | 6,378.29             | 2,097           | 6,031.82             | 2,547           | 5,764.39             | 1,559                 | 2,015.36             |
| 8.           | Land Development                                      | 4,404           | 6,274.59             | 8,150           | 6,924.41             | 3,887           | 4,591.12             | 3,661           | 3,636.77             | 2,918                 | 980.01               |
| 9.           | Rajiv Gandhi Seva Kendra                              | 135             | 313.08               | 188             | 457.73               | 77              | 80.34                | 73              | 53.81                | 49                    | 7.24                 |
| 10.          | Other works                                           | 25,459          | 2,381.66             | 45,671          | 5,458.80             | 58,244          | 8,031.86             | 56,861          | 5,766.87             | 31,778                | 1,710.97             |
| <b>Total</b> |                                                       | <b>1,12,216</b> | <b>1,62,552.09</b>   | <b>1,68,592</b> | <b>1,72,541.33</b>   | <b>2,41,611</b> | <b>1,63,934.24</b>   | <b>3,18,500</b> | <b>1,35,252.26</b>   | <b>2,90,958</b>       | <b>46,714.11</b>     |

Source - Planning Department, (EGS) GoM

\$ upto February 2020

## ANNEXURE 10.14

## INDUSTRIAL DISPUTES IN THE STATE\*\*

(Workers participated in '00 and person days lost in lakh)

| Item                              | 1981  | 1991  | 2001  | 2011  | 2015  | 2016  | 2017  | 2018  | 2019  |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| (1)                               | (2)   | (3)   | (4)   | (5)   | (6)   | (7)   | (8)   | (9)   | (10)  |
| <b>1. Textile mills —</b>         |       |       |       |       |       |       |       |       |       |
| (a) No. of strikes and lockouts   | 66    | 10    | 12    | 7     | 4     | 18    | 13    | 4     | 6     |
| (b) Workers participated          | 564   | 61    | 86    | 26    | 89    | 70    | 16    | 16    | 57    |
| (c) Person days lost              | 47.36 | 2.37  | 4.53  | 1.73  | 2.32  | 1.80  | 0.41  | 0.85  | 11.40 |
| <b>2. Engineering factories —</b> |       |       |       |       |       |       |       |       |       |
| (a) No. of strikes and lockouts   | 119   | 59    | 28    | 8     | 51    | 60    | 48    | 11    | 14    |
| (b) Workers participated          | 412   | 110   | 65    | 71    | 438   | 147   | 138   | 58    | 19    |
| (c) Person days lost              | 16.21 | 14.46 | 25.79 | 12.90 | 10.75 | 3.81  | 3.65  | 3.59  | 3.30  |
| <b>3. Miscellaneous —</b>         |       |       |       |       |       |       |       |       |       |
| (a) No. of strikes and lockouts   | 451   | 148   | 19    | 18    | 160   | 66    | 57    | 10    | 11    |
| (b) Workers participated          | 1,031 | 423   | 85    | 38    | 669   | 508   | 507   | 48    | 19    |
| (c) Person days lost              | 31.49 | 29.66 | 15.90 | 7.80  | 17.03 | 15.67 | 12.98 | 13.80 | 7.14  |
| <b>4. Total —</b>                 |       |       |       |       |       |       |       |       |       |
| (a) No. of strikes and lockouts   | 636   | 217   | 59    | 33    | 215   | 144   | 118   | 25    | 31    |
| (b) Workers participated          | 2,007 | 594   | 237   | 135   | 1,196 | 725   | 660   | 122   | 96    |
| (c) Person days lost.             | 95.05 | 46.49 | 52.31 | 22.43 | 30.10 | 21.29 | 17.04 | 18.60 | 21.84 |

Source - Commissioner of Labour, GoM

Note - (1) Figures against item No. 4 (b) and 4 (c) may not tally against actual totals due to rounding

(2) \*\* Under State Industrial Relations Machinery

(3) Information January to December

## ANNEXURE 10.15

## DISTRICTWISE HUMAN DEVELOPMENT INDEX 2011

| District                 | Total Literacy Rate (2011) | Gross Enrolment Ratio (2011-12) | Infant Mortality Rate (2007-08) | PCDDP constant (1999-2000) price (₹) | Human Development Index (HDI) 2011 | HDI Status |
|--------------------------|----------------------------|---------------------------------|---------------------------------|--------------------------------------|------------------------------------|------------|
| (1)                      | (2)                        | (3)                             | (4)                             | (5)                                  | (6)                                | (7)        |
| Nandurbar                | 63.0                       | 67.7                            | 75                              | 19,156                               | 0.604                              | Low        |
| Gadchiroli               | 70.6                       | 80.7                            | 63                              | 14,913                               | 0.608                              |            |
| Washim                   | 81.7                       | 88.0                            | 46                              | 14,885                               | 0.646                              |            |
| Hingoli                  | 76.0                       | 78.7                            | 50                              | 18,286                               | 0.648                              |            |
| Osmanabad                | 76.3                       | 81.9                            | 50                              | 17,847                               | 0.649                              |            |
| Nanded                   | 76.9                       | 80.3                            | 30                              | 18,155                               | 0.657                              |            |
| Jalna                    | 73.6                       | 83.7                            | 48                              | 20,565                               | 0.663                              |            |
| Latur                    | 79.0                       | 91.1                            | 53                              | 17,674                               | 0.663                              |            |
| Dhule                    | 74.6                       | 83.7                            | 44                              | 21,442                               | 0.671                              |            |
| Beed                     | 73.5                       | 90.4                            | 33                              | 21,013                               | 0.678                              | Medium     |
| Parbhani                 | 75.2                       | 86.3                            | 51                              | 23,146                               | 0.683                              |            |
| Buldhana                 | 82.1                       | 87.6                            | 34                              | 19,487                               | 0.684                              |            |
| Yavatmal                 | 80.7                       | 84.9                            | 47                              | 24,118                               | 0.700                              |            |
| Gondia                   | 85.4                       | 87.2                            | 67                              | 23,091                               | 0.701                              |            |
| Amravati                 | 88.2                       | 86.0                            | 59                              | 21,804                               | 0.701                              |            |
| Bhandara                 | 85.1                       | 89.3                            | 60                              | 25,735                               | 0.718                              |            |
| Chandrapur               | 81.4                       | 88.9                            | 74                              | 28,730                               | 0.718                              |            |
| Ahmednagar               | 80.2                       | 87.9                            | 41                              | 27,392                               | 0.720                              | High       |
| Akola                    | 87.6                       | 85.6                            | 28                              | 24,055                               | 0.722                              |            |
| Wardha                   | 87.2                       | 87.9                            | 62                              | 26,130                               | 0.723                              |            |
| Jalgaon                  | 79.7                       | 88.2                            | 48                              | 28,939                               | 0.723                              |            |
| Aurangabad               | 80.4                       | 82.2                            | 44                              | 30,690                               | 0.727                              |            |
| Solapur                  | 77.7                       | 89.5                            | 23                              | 28,828                               | 0.728                              |            |
| Ratnagiri                | 82.4                       | 89.0                            | 25                              | 27,685                               | 0.732                              |            |
| Satara                   | 84.2                       | 85.7                            | 27                              | 29,916                               | 0.742                              |            |
| Sangli                   | 82.6                       | 87.9                            | 33                              | 33,713                               | 0.742                              | Very High  |
| Nashik                   | 81.0                       | 82.2                            | 46                              | 35,545                               | 0.746                              |            |
| Sindhudurg               | 86.5                       | 87.5                            | 35                              | 31,563                               | 0.753                              |            |
| Raigad                   | 83.9                       | 88.9                            | 35                              | 34,377                               | 0.759                              |            |
| Kolhapur                 | 82.9                       | 88.4                            | 13                              | 36,178                               | 0.770                              |            |
| Nagpur                   | 89.5                       | 92.6                            | 40                              | 37,995                               | 0.786                              |            |
| Thane <sup>s</sup>       | 86.2                       | 78.5                            | 34                              | 50,408                               | 0.800                              |            |
| Pune                     | 87.2                       | 88.2                            | 28                              | 50,158                               | 0.814                              |            |
| Mumbai <sup>@</sup>      | 90.3                       | 85.5                            | 18                              | 58,818                               | 0.841                              |            |
| <b>Maharashtra State</b> | <b>82.9</b>                | <b>85.4</b>                     | <b>44</b>                       | <b>35,033</b>                        | <b>0.752</b>                       |            |

Source - Maharashtra Human Development Report 2012

PCDDP – Per capita District Domestic Product

Note - @ Mumbai city &amp; Mumbai Suburban districts together

\$ including Palghar



## GLOSSARY

### Demography

**Child Sex Ratio (0-6 Years) :** Child Sex Ratio (0-6 Years) has been defined as the number of females in age-group 0-6 years per 1,000 males in the same age-group in the population.

$$\text{Child Sex Ratio (0-6 Years)} = \frac{\text{Number of Female Children (0-6 Years)}}{\text{Number of Male Children (0-6 Years)}} \times 1000$$

**Institutional Households :** A group of unrelated persons who live in an institution and take their meals from a common kitchen are considered as an Institutional Household. Boarding houses, Messes, Hostels, Hotels, Rescue Homes, Observation Homes, Beggars' Homes, Jails, Ashrams, Old Age Homes, Children Homes, Orphanages, etc. all are covered in this type of household.

**Head of the Household :** The head of household for census purposes is a person who is recognized as such by the household. She or he is generally the person who bears the chief responsibility for managing the affairs of the household and takes decision on behalf of the household. The 'Head of Household' need not necessarily be the oldest male member or an earning member, but may be a female or a younger member of either sex.

**Main Workers :** Workers who worked for more than six months (180 days) in the reference period are termed as main workers.

**Marginal Workers :** Workers who worked for less than six months (180 days) in the reference period are termed as marginal workers.

**Seeking or available for work (unemployed) :** Persons, who owing to lack of work, had not worked but either sought work through employment exchanges, intermediaries, friends or relatives or by making applications to prospective employers or expressed their willingness or availability for work under the prevailing condition of work and remuneration are considered as those who are seeking or available for work (or unemployed).

**Labour Force :** Persons categorised as working (employed) and also those who are seeking or available for work (unemployed) together constitute the labour force.

**Workforce (Employed) :** Persons engaged in any economic activity constitute the work force.

**Work Participation Rate (WPR) :** Work participation rate( as per population census 2011) is defined as the percentage of total workers (main and marginal) to total population

$$\text{Work Participation Rate} = \frac{\text{Total workers(Main + Marginal)}}{\text{Total population}} \times 100$$

**Labour Force Participation Rate (LFPR)<sup>§</sup> :** LFPR is defined as the percentage of persons in the labour force in the population.

$$\text{Labour Force Participation Rate (LFPR)} = \frac{(\text{No. of employed persons} + \text{No. of unemployed persons})}{\text{Total population}} \times 100$$

**Worker Population Ratio (WPR)<sup>§</sup> :** Worker Population Ratio (WPR) is defined as the percentage of employed persons in the population.

$$\text{Worker Population Ratio (WPR)} = \frac{\text{No. of employed persons}}{\text{Total population}} \times 100$$

**Unemployment Rate (UR)<sup>§</sup> :** UR is defined as the percentage of persons unemployed among the persons in the labour force.

$$\text{Unemployment Rate (UR)} = \frac{\text{No. of unemployed persons}}{\text{No. of employed persons} + \text{No. of unemployed persons}} \times 100$$

(As per terminology used in Annual report of Periodic Labour Force Survey, (July 2017-June 2018))

**Usual Principal Activity Status (UPS) :** The activity status on which a person spent relatively long time during the 365 days preceding the date of survey.

**Current Weekly Status (CWS):**

The person is considered working according to current weekly status if that person worked for at least one hour on at least one day during the seven days preceding the date of survey.

## **Public Finance**

**Primary Deficit :** It is fiscal deficit less interest payments

**Per capita development expenditure and per capita revenue expenditure** are obtained by dividing development expenditure and revenue expenditure by mid year population of respective year.

## **Vital Statistics**

**Crude Birth Rate (CBR) :** It is the total number of live births during the year per 1000 persons.

**Crude Death Rate (CDR) :** It is the total number of deaths during the year per 1000 persons.

**Infant Mortality Rate (IMR) :** It is defined as the number of deaths of infants (one year of age or younger) per 1000 live births.

**Neo-natal Mortality Rate (NMR) :** It is the number of children dying under 29 days of age divided by the number of live births in that year.

**Under Five Mortality Rate (U5MR) :** It is defined as the number of deaths of children of age less than five years per 1000 live births.

**Maternal Death :** A maternal death is a death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy and can stem from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes.

**Maternal Mortality Ratio (MMR) :** Refers to the number of women who die as a result of complications of pregnancy or childbearing in a given year per 1,00,000 live births in that year.

$$\text{Maternal Mortality Ratio} = \frac{\text{All maternal deaths occurring within a reference period (usually 1 year)}}{\text{Total number of live births occurring within the reference period}} \times 1,00,000$$

**Total Fertility Rate (TFR) :** TFR measures average number of children born to a women during her entire reproductive period

## **Education**

$$\text{Gross Enrolment Ratio (GER)} = \frac{\text{Enrolment in particular educational level}}{\text{Population of official age group for that particular educational level}} \times 100$$

$$\text{Gender Parity Index} = \frac{\text{Gross Enrolment Ratio of Girls}}{\text{Gross Enrolment Ratio of Boys}}$$

**CWSN :** Children With Special Needs refers to all those children who are challenged with various problems such as vision, hearing, movement, learning, cerebral palsy or mental retardation.

**Drop-out Rate :** It means proportion of pupils from a cohort enrolled in a given stage at a given school year who are no longer enrolled in the following school year.

## Economic

**Gross Domestic Product (GDP) at market prices:** It is a measure in monetary terms of all the goods & services produced (without duplication) within the boundaries of any geographical area during a given period of time (generally, one year). Usually, geographical area is Nation. It is termed as **Gross State Domestic Product (GSDP)** if the geographical boundary is State and termed as **Gross District Domestic Product (GDDP)** if the geographical boundary is District.

**Gross Domestic Product (GDP) at market prices :** Sum of GVA at basic prices for each industry + Taxes on products including import duties less Subsidies on Products

All Net Products such as **Net Domestic Product, Net State Domestic Product & Net District Domestic Product** are obtained by subtracting **Consumption of Fixed Capital (CFC)** from respective **Gross Domestic Products**.

**GVA at basic prices (Income Approach) :** Compensation of Employees + Operating surplus / Mixed Income + Consumption of Fixed Capital + Production taxes less production subsidies

**GVA at basic prices (Production Approach) :** Gross value of output - Inputs

**Gross National Income (GNI) :** It is an addition of Net Income from abroad & Gross Domestic Product of a Nation.

**Net National Income (NNI) :** It is obtained by subtracting Consumption of Fixed Capital (CFC) from Gross National Income. It is also called as **National Income (NI)**.

**Per Capita Income :** **Per capita National Income, Per capita State Income & Per Capita District Income** is obtained by dividing Net Products of respective geographical area by mid- year population of respective year.

**Advance estimate :** Estimates based on available suitable/proxy indicators.

**Consumer goods :** Items purchased by consumers for personal and household use.

**Intermediate goods :** Goods used as inputs in the production of other goods.

**Capital goods :** Goods such as machinery, used in production of commodities.

**Gross output :** Gross output is defined to include the ex-factory value, (i.e., exclusive of taxes, duties, etc. on sale and inclusive of subsidies etc., if any) of products and by-products manufactured during the accounting year, and the net value of the semi-finished goods, value of own construction and also the receipts for industrial and non-industrial services rendered to others, rent received for plant & machinery and other fixed assets, net balance of goods sold in the same condition as purchased and value of electricity generated and sold.

**Net value added (NVA) :** This is obtained by deducting the value of total input and depreciation from gross output.

## General

**Per capita Ultimate Consumption of Electricity** = Ultimate Consumption of Electricity/Mid-year population

Ultimate Consumption of Electricity refers to the electricity actually consumed by the consumers (or the electricity sold to consumers).

## Energy - Units

1 MW = 1 Megawatt = 1,000 kW = 10, 00,000 Watts

1 Unit = 1 kilo-watt-hour = 1 kWh

1 MU = 1 Million Units = 10,00,000 Units = 10, 00,000 kWh

1 MVA = 1 Million Volt Ampere

$$\text{Vehicle productivity} = \frac{\text{Average effective km operated per day (in lakh)}}{\text{Average vehicle held}} \times 100000$$

$$\text{Crew productivity} = \frac{\text{Total effective km operated (in lakh)}}{\text{Total driver on line days}} \times 100000$$

$$\text{Percentage Load Factor} = \frac{\text{Actual passenger earning}}{\text{Expected passenger earning}} \times 100$$

### **Methodology for Construction of State and District HDI (SHDR-2012) :**

The dimension indices for Health, Education and Income are calculated using following formula.

$$I_x = \text{Dimension Index of 'X'} = \frac{\text{Actual value} - \text{Minimum value}}{\text{Maximum value} - \text{Minimum value}}$$

Education index has been calculated by allocating two -third weight to literacy and one -third weight to GER.

An aggregate HDI for a given district has been calculated as a simple arithmetic mean.

The goal posts used to estimate the district wise HDI are as follows:

| <b>Component</b>                                              | <b>Maximum</b> | <b>Minimum</b> |
|---------------------------------------------------------------|----------------|----------------|
| Infant Survival Rate (ISR)                                    | 1,000          | 0              |
| Literacy rate                                                 | 100            | 0              |
| GER                                                           | 100            | 0              |
| Per capita net domestic product<br>(Rupees at current prices) | 1,50,000       | 10,000         |

Note : ISR is obtained as (1,000 – IMR), Log transformation is used for the estimates of DDP

**Cropping Intensity :** Ratio of total cropped area to net area sown.

**Teledensity :** Teledensity is the number of telephone connections for every hundred individuals living within an area.

**Mean age at effective marriage of female :** It is the estimated mean age of the marriages happening to the females in a given year.

### **Water Supply and Sanitation**

**ODF village :** A village can be notified/ declared as ODF village if, no visible faeces found in the environment/ village and every household as well as public/ community insitutions using safe technology option for disposal of faeces.

**ODF city :** A city/ ward can be notified / declared as ODF city if, at any point of the day, not a single person is found defecating in the open.

**ODF+ city :** A city/ ward can be notified / declared as ODF+ city/ ODF+ ward if, at any point of the day, not a single person is found defecating and/ or urinating in the open, and all community & public toilets are functional and well maintained.

**ODF++ city :** A city / ward / work circle can be notified/ declared as ODF++ city/ ODF++ ward/ ODF++ work circle if, at any point of the day, not a single person is found defecating and/ or urinating in the open, all community and public toilets are functional and well maintained, and faecal sludge/septage and sewage is safely managed and treated, with no discharging and/or dumping of untreated faecal sludge/septage and sewage in drains, water bodies or open areas.

\* \* \* \* \*





## Selected Socio-economic indicators of States in India



## C. SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| State                    | Geographical area<br>(lakh sq.km) | Population<br>(lakh) | Density of<br>population<br>(per sq.km) | Percentage<br>of urban<br>population<br>to total<br>population | Percentage<br>of State<br>population to all<br>India population | Decennial<br>growth rate<br>of<br>population<br>(per cent) | Sex ratio  | Child sex<br>ratio<br>(Age group<br>0-6 years) | Total<br>Households<br>(lakh) |
|--------------------------|-----------------------------------|----------------------|-----------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------|------------|------------------------------------------------|-------------------------------|
| Reference Year /<br>Date | (2011)                            | (2011)               | (2011)                                  | (2011)                                                         | (2011)                                                          | (2001-11)                                                  | (2011)     | (2011)                                         | (2011)                        |
| (1)                      | (2)                               | (3)                  | (4)                                     | (5)                                                            | (6)                                                             | (7)                                                        | (8)        | (9)                                            | (10)                          |
| Andhra Pradesh           | 2.75                              | 845.81               | 308                                     | 33.36                                                          | 7.00                                                            | 10.98                                                      | 993        | 939                                            | 210.23                        |
| Telangana^               | -                                 | -                    | -                                       | -                                                              | -                                                               | -                                                          | -          | -                                              | -                             |
| Arunachal Pradesh        | 0.84                              | 13.84                | 17                                      | 22.94                                                          | 0.11                                                            | 26.03                                                      | 938        | 972                                            | 2.71                          |
| Assam                    | 0.78                              | 312.06               | 398                                     | 14.10                                                          | 2.58                                                            | 17.07                                                      | 958        | 962                                            | 64.06                         |
| Bihar                    | 0.94                              | 1,040.99             | 1,106                                   | 11.29                                                          | 8.60                                                            | 25.42                                                      | 918        | 935                                            | 189.14                        |
| Jharkhand                | 0.80                              | 329.88               | 414                                     | 24.05                                                          | 2.72                                                            | 22.42                                                      | 949        | 948                                            | 62.55                         |
| Delhi                    | 0.01                              | 167.88               | 11,320                                  | 97.50                                                          | 1.39                                                            | 21.21                                                      | 868        | 871                                            | 34.36                         |
| Goa                      | 0.04                              | 14.59                | 394                                     | 62.17                                                          | 0.12                                                            | 8.23                                                       | 973        | 942                                            | 3.44                          |
| Gujarat                  | 1.96                              | 604.40               | 308                                     | 42.60                                                          | 4.99                                                            | 19.28                                                      | 919        | 890                                            | 122.48                        |
| Haryana                  | 0.44                              | 253.51               | 573                                     | 34.88                                                          | 2.09                                                            | 19.90                                                      | 879        | 834                                            | 48.58                         |
| Himachal Pradesh         | 0.56                              | 68.65                | 123                                     | 10.03                                                          | 0.57                                                            | 12.94                                                      | 972        | 909                                            | 14.83                         |
| Jammu & Kashmir          | 2.22                              | 125.41               | 124                                     | 27.38                                                          | 1.04                                                            | 23.64                                                      | 889        | 862                                            | 21.20                         |
| Karnataka                | 1.92                              | 610.95               | 319                                     | 38.67                                                          | 5.05                                                            | 15.60                                                      | 973        | 948                                            | 133.57                        |
| Kerala                   | 0.39                              | 334.06               | 860                                     | 47.70                                                          | 2.76                                                            | 4.91                                                       | 1,084      | 964                                            | 78.54                         |
| Madhya Pradesh           | 3.08                              | 726.27               | 236                                     | 27.63                                                          | 6.00                                                            | 20.35                                                      | 931        | 918                                            | 150.93                        |
| Chhattisgarh             | 1.35                              | 255.45               | 189                                     | 23.24                                                          | 2.11                                                            | 22.61                                                      | 991        | 969                                            | 56.51                         |
| <b>Maharashtra</b>       | <b>3.08</b>                       | <b>1,123.74</b>      | <b>365</b>                              | <b>45.22</b>                                                   | <b>9.28</b>                                                     | <b>16.00</b>                                               | <b>929</b> | <b>894</b>                                     | <b>244.22</b>                 |
| Manipur                  | 0.22                              | 28.56                | 128                                     | 29.21                                                          | 0.24                                                            | 24.50                                                      | 985        | 930                                            | 5.58                          |
| Meghalaya                | 0.22                              | 29.67                | 132                                     | 20.07                                                          | 0.25                                                            | 27.95                                                      | 989        | 970                                            | 5.48                          |
| Mizoram                  | 0.21                              | 10.97                | 52                                      | 52.11                                                          | 0.09                                                            | 23.48                                                      | 976        | 970                                            | 2.23                          |
| Nagaland                 | 0.17                              | 19.79                | 119                                     | 28.86                                                          | 0.16                                                            | -0.58                                                      | 931        | 943                                            | 3.96                          |
| Odisha                   | 1.56                              | 419.74               | 270                                     | 16.69                                                          | 3.47                                                            | 14.05                                                      | 979        | 941                                            | 96.38                         |
| Punjab                   | 0.50                              | 277.43               | 551                                     | 37.48                                                          | 2.29                                                            | 13.89                                                      | 895        | 846                                            | 55.13                         |
| Rajasthan                | 3.42                              | 685.48               | 200                                     | 24.87                                                          | 5.66                                                            | 21.31                                                      | 928        | 888                                            | 127.11                        |
| Sikkim                   | 0.07                              | 6.11                 | 86                                      | 25.15                                                          | 0.05                                                            | 12.89                                                      | 890        | 957                                            | 1.29                          |
| Tamil Nadu               | 1.30                              | 721.47               | 555                                     | 48.40                                                          | 5.96                                                            | 15.61                                                      | 996        | 943                                            | 185.25                        |
| Tripura                  | 0.10                              | 36.74                | 350                                     | 26.17                                                          | 0.30                                                            | 14.84                                                      | 960        | 957                                            | 8.56                          |
| Uttar Pradesh            | 2.41                              | 1,998.12             | 829                                     | 22.27                                                          | 16.50                                                           | 20.23                                                      | 912        | 902                                            | 334.48                        |
| Uttarakhand              | 0.53                              | 100.86               | 189                                     | 30.23                                                          | 0.83                                                            | 18.81                                                      | 963        | 890                                            | 20.57                         |
| West Bengal              | 0.89                              | 912.76               | 1,028                                   | 31.87                                                          | 7.54                                                            | 13.84                                                      | 950        | 956                                            | 203.80                        |
| <b>India<sup>§</sup></b> | <b>32.87</b>                      | <b>12,108.55</b>     | <b>382</b>                              | <b>31.14</b>                                                   | <b>100.00</b>                                                   | <b>17.70</b>                                               | <b>943</b> | <b>918</b>                                     | <b>2,495.02</b>               |

§ Includes Union Territories

^ Included in Andhra Pradesh unless specifically mentioned

## SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| Female headed households (lakh) | Number of cultivators (lakh) | Per cent of households having access to safe drinking water | Percentage of scheduled caste and scheduled tribe population to total population | Percentage of disabled population to total population | Percentage of slum population (All towns) to urban population | Percentage of main workers to total population | Percentage of agricultural workers to total workers | Female workers participation rate |
|---------------------------------|------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------|-----------------------------------|
| (2011)                          | (2011)                       | (2011)                                                      | (2011)                                                                           | (2011)                                                | (2011)                                                        | (2011)                                         | (2011)                                              | (2011)                            |
| (11)                            | (12)                         | (13)                                                        | (14)                                                                             | (15)                                                  | (16)                                                          | (17)                                           | (18)                                                | (19)                              |
| 31.27                           | 64.92                        | 90.5                                                        | 23.41                                                                            | 2.68                                                  | 36.10                                                         | 39.06                                          | 59.51                                               | 36.16                             |
| -                               | -                            | -                                                           | -                                                                                | -                                                     | -                                                             | -                                              | -                                                   | -                                 |
| 0.35                            | 3.03                         | 78.6                                                        | 68.79                                                                            | 1.93                                                  | 4.90                                                          | 34.60                                          | 57.67                                               | 35.44                             |
| 8.53                            | 40.62                        | 69.9                                                        | 19.60                                                                            | 1.54                                                  | 4.48                                                          | 27.84                                          | 49.35                                               | 22.46                             |
| 19.75                           | 71.96                        | 94.0                                                        | 17.20                                                                            | 2.24                                                  | 10.53                                                         | 20.52                                          | 73.55                                               | 19.07                             |
| 6.82                            | 38.15                        | 60.1                                                        | 38.29                                                                            | 2.33                                                  | 4.70                                                          | 20.67                                          | 62.99                                               | 29.10                             |
| 3.95                            | 0.33                         | 95.0                                                        | 16.75                                                                            | 1.40                                                  | 10.91                                                         | 31.61                                          | 1.30                                                | 10.58                             |
| 0.80                            | 0.31                         | 85.7                                                        | 11.98                                                                            | 2.26                                                  | 2.89                                                          | 32.64                                          | 10.07                                               | 21.92                             |
| 12.35                           | 54.48                        | 90.3                                                        | 21.50                                                                            | 1.81                                                  | 6.53                                                          | 33.70                                          | 49.61                                               | 23.38                             |
| 5.66                            | 24.81                        | 93.8                                                        | 20.17                                                                            | 2.16                                                  | 18.80                                                         | 27.67                                          | 44.96                                               | 17.79                             |
| 3.05                            | 20.62                        | 93.7                                                        | 30.90                                                                            | 2.26                                                  | 8.90                                                          | 30.05                                          | 62.85                                               | 44.82                             |
| 2.04                            | 12.45                        | 76.8                                                        | 19.28                                                                            | 2.88                                                  | 19.28                                                         | 21.08                                          | 41.48                                               | 19.11                             |
| 22.69                           | 65.81                        | 87.5                                                        | 24.10                                                                            | 2.17                                                  | 13.93                                                         | 38.30                                          | 49.28                                               | 31.87                             |
| 19.83                           | 6.70                         | 33.5                                                        | 10.55                                                                            | 2.28                                                  | 1.27                                                          | 27.93                                          | 17.15                                               | 18.23                             |
| 15.04                           | 98.44                        | 78.0                                                        | 36.71                                                                            | 2.14                                                  | 28.35                                                         | 31.26                                          | 69.79                                               | 32.64                             |
| 7.35                            | 40.05                        | 86.3                                                        | 43.44                                                                            | 2.45                                                  | 31.98                                                         | 32.26                                          | 74.68                                               | 39.70                             |
| <b>31.36</b>                    | <b>125.69</b>                | <b>83.4</b>                                                 | <b>21.17</b>                                                                     | <b>2.64</b>                                           | <b>23.32</b>                                                  | <b>38.94</b>                                   | <b>52.71</b>                                        | <b>31.06</b>                      |
| 0.83                            | 5.74                         | 45.4                                                        | 44.29                                                                            | 1.89                                                  | N A                                                           | 33.26                                          | 52.81                                               | 39.88                             |
| 1.27                            | 4.95                         | 44.7                                                        | 86.73                                                                            | 1.49                                                  | 9.64                                                          | 31.06                                          | 58.45                                               | 32.67                             |
| 0.37                            | 2.30                         | 60.4                                                        | 94.54                                                                            | 1.38                                                  | 13.74                                                         | 37.83                                          | 55.76                                               | 36.16                             |
| 0.53                            | 5.38                         | 53.8                                                        | 86.48                                                                            | 1.50                                                  | 14.42                                                         | 37.46                                          | 61.66                                               | 44.74                             |
| 12.02                           | 41.04                        | 75.3                                                        | 39.98                                                                            | 2.96                                                  | 22.28                                                         | 25.51                                          | 61.82                                               | 27.16                             |
| 7.96                            | 19.35                        | 97.6                                                        | 31.94                                                                            | 2.36                                                  | 14.04                                                         | 30.46                                          | 35.59                                               | 13.91                             |
| 11.77                           | 136.19                       | 78.1                                                        | 31.31                                                                            | 2.28                                                  | 12.13                                                         | 30.72                                          | 62.10                                               | 35.12                             |
| 0.17                            | 1.17                         | 85.3                                                        | 38.43                                                                            | 2.98                                                  | 20.43                                                         | 37.73                                          | 46.53                                               | 39.57                             |
| 29.65                           | 42.48                        | 92.5                                                        | 21.11                                                                            | 1.64                                                  | 16.61                                                         | 38.73                                          | 42.13                                               | 31.80                             |
| 1.21                            | 2.96                         | 67.5                                                        | 49.59                                                                            | 1.75                                                  | 14.54                                                         | 29.32                                          | 44.20                                               | 23.57                             |
| 40.07                           | 190.58                       | 95.1                                                        | 21.27                                                                            | 2.08                                                  | 14.02                                                         | 22.34                                          | 59.25                                               | 16.75                             |
| 3.93                            | 15.80                        | 92.2                                                        | 21.66                                                                            | 1.84                                                  | 16.00                                                         | 28.46                                          | 51.23                                               | 26.68                             |
| 26.15                           | 51.17                        | 92.2                                                        | 29.32                                                                            | 2.21                                                  | 22.06                                                         | 28.14                                          | 44.04                                               | 18.08                             |
| <b>327.83</b>                   | <b>1,188.09</b>              | <b>85.5</b>                                                 | <b>25.27</b>                                                                     | <b>2.21</b>                                           | <b>17.37</b>                                                  | <b>29.94</b>                                   | <b>54.61</b>                                        | <b>25.51</b>                      |

N. A. Not Applicable

## SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| State                  | Basic Indicators of Human Development |        |        |                                  |           |            |            |                                    |                                                      | Human Development Index |
|------------------------|---------------------------------------|--------|--------|----------------------------------|-----------|------------|------------|------------------------------------|------------------------------------------------------|-------------------------|
|                        | Literacy percentage <sup>††</sup>     |        |        | Life expectancy at birth (years) |           | Birth rate | Death rate | Infant mortality rate <sup>@</sup> | Per capita income at current prices <sup>*</sup> (₹) |                         |
|                        | Male                                  | Female | Total  | Male                             | Female    |            |            |                                    |                                                      |                         |
| Reference Year / Date  | (2011)                                | (2011) | (2011) | (2013-17)                        | (2013-17) | (2017)     | (2017)     | (2017)                             | (2018-19)                                            | (2011)                  |
| (1)                    | (20)                                  | (21)   | (22)   | (23)                             | (24)      | (25)       | (26)       | (27)                               | (28)                                                 | (29)                    |
| Andhra Pradesh         | 74.88                                 | 59.15  | 67.02  | 68.3                             | 71.2      | 16.2       | 7.2        | 32                                 | 1,64,025                                             | 0.473                   |
| Telangana <sup>^</sup> | -                                     | -      | -      | -                                | -         | 17.2       | 6.6        | 29                                 | 2,05,696                                             | -                       |
| Arunachal Pradesh      | 72.55                                 | 57.70  | 65.38  | N.A.                             | N.A.      | 18.3       | 6.1        | 42                                 | NA                                                   | N A                     |
| Assam                  | 77.85                                 | 66.27  | 72.19  | 65.4                             | 67.3      | 21.2       | 6.5        | 44                                 | 81,841                                               | 0.444                   |
| Bihar                  | 71.20                                 | 51.50  | 61.80  | 69.2                             | 68.6      | 26.4       | 5.8        | 35                                 | 43,822                                               | 0.367                   |
| Jharkhand              | 76.84                                 | 55.42  | 66.41  | 68.8                             | 68.4      | 22.7       | 5.5        | 29                                 | 76,019                                               | 0.376                   |
| Delhi                  | 90.94                                 | 80.76  | 86.21  | 73.3                             | 76.3      | 15.2       | 3.7        | 16                                 | 3,65,529                                             | 0.750                   |
| Goa                    | 92.65                                 | 84.66  | 88.70  | N.A.                             | N.A.      | 12.5       | 6.2        | 9                                  | 4,67,998                                             | 0.617                   |
| Gujarat                | 85.75                                 | 69.68  | 78.03  | 67.6                             | 72.0      | 19.9       | 6.2        | 30                                 | NA                                                   | 0.527                   |
| Haryana                | 84.06                                 | 65.94  | 75.55  | 67.6                             | 72.3      | 20.5       | 5.8        | 30                                 | 2,26,644                                             | 0.552                   |
| Himachal Pradesh       | 89.53                                 | 75.93  | 82.80  | 69.8                             | 75.6      | 15.8       | 6.6        | 22                                 | 1,79,188                                             | 0.652                   |
| Jammu & Kashmir        | 76.75                                 | 56.43  | 67.16  | 72.1                             | 76.7      | 15.4       | 4.8        | 23                                 | NA                                                   | 0.529                   |
| Karnataka              | 82.47                                 | 68.08  | 75.36  | 67.7                             | 70.8      | 17.4       | 6.5        | 25                                 | 2,10,887                                             | 0.519                   |
| Kerala                 | 96.11                                 | 92.07  | 94.00  | 72.5                             | 77.8      | 14.2       | 6.8        | 10                                 | 2,04,105                                             | 0.790                   |
| Madhya Pradesh         | 78.73                                 | 59.24  | 69.32  | 64.2                             | 67.9      | 24.8       | 6.8        | 47                                 | 90,998                                               | 0.375                   |
| Chhattisgarh           | 80.27                                 | 60.24  | 70.28  | 63.8                             | 66.6      | 22.7       | 7.5        | 38                                 | 96,887                                               | 0.358                   |
| Maharashtra            | 88.38                                 | 75.87  | 82.34  | 71.2                             | 73.9      | 15.7       | 5.7        | 19                                 | 1,91,736                                             | 0.572                   |
| Manipur                | 82.27                                 | 72.37  | 79.21  | N.A.                             | N.A.      | 14.6       | 5.3        | 12                                 | NA                                                   | N A                     |
| Meghalaya              | 75.95                                 | 72.89  | 74.43  | N.A.                             | N.A.      | 22.8       | 6.1        | 39                                 | 89,024                                               | N A                     |
| Mizoram                | 93.35                                 | 89.27  | 91.33  | N.A.                             | N.A.      | 15.0       | 4.0        | 15                                 | 1,68,626                                             | N A                     |
| Nagaland               | 82.75                                 | 76.11  | 79.55  | N.A.                             | N.A.      | 13.5       | 3.6        | 7                                  | 1,13,977                                             | N A                     |
| Odisha                 | 81.59                                 | 64.01  | 72.87  | 67.1                             | 69.9      | 18.3       | 7.4        | 41                                 | 93,352                                               | 0.362                   |
| Punjab                 | 80.44                                 | 70.73  | 75.84  | 71.0                             | 74.0      | 14.9       | 7.0        | 21                                 | 1,54,598                                             | 0.605                   |
| Rajasthan              | 79.19                                 | 52.12  | 66.11  | 66.3                             | 70.9      | 24.1       | 6.0        | 38                                 | 1,09,105                                             | 0.434                   |
| Sikkim                 | 86.55                                 | 75.61  | 81.42  | N.A.                             | N.A.      | 16.4       | 4.5        | 12                                 | 3,57,643                                             | N A                     |
| Tamil Nadu             | 86.77                                 | 73.44  | 80.09  | 69.9                             | 73.7      | 14.9       | 6.7        | 16                                 | 1,93,750                                             | 0.570                   |
| Tripura                | 91.53                                 | 82.73  | 87.22  | N.A.                             | N.A.      | 13.0       | 5.2        | 29                                 | 1,13,467                                             | N A                     |
| Uttar Pradesh          | 77.28                                 | 57.18  | 67.68  | 64.3                             | 65.6      | 25.9       | 6.7        | 41                                 | 61,351                                               | 0.380                   |
| Uttarakhand            | 87.40                                 | 70.01  | 78.82  | 68.0                             | 74.2      | 17.3       | 6.7        | 32                                 | 1,98,738                                             | 0.490                   |
| West Bengal            | 81.69                                 | 70.54  | 76.26  | 70.4                             | 72.2      | 15.2       | 5.8        | 24                                 | 1,09,491                                             | 0.492                   |
| India\$                | 80.88                                 | 64.63  | 72.98  | 67.8                             | 70.4      | 20.2       | 6.3        | 33                                 | 1,26,521                                             | 0.467                   |

\$ Includes Union Territories    ^ Included in Andhra Pradesh unless specifically mentioned

\* Provisional

N A Not Available

†† The literacy rates related to the population aged seven years and above

@ Infant mortality rates for smaller States and Union Territories are based on three years period 2015-17

## SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| Financial Indicators                         |                                                                       |                                       |                                   |                                                                  |                                                      |                                                    |                                               |
|----------------------------------------------|-----------------------------------------------------------------------|---------------------------------------|-----------------------------------|------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|-----------------------------------------------|
| Per capita revenue receipts of the State (₹) | Share of State's own Tax Revenue in Total revenue receipts (per cent) | Per capita share in central taxes (₹) | Per capita grants from centre (₹) | Share of development expenditure in total expenditure (per cent) | Percentage of revenue deficit(+)/surplus (-) to GSDP | Percentage of fiscal deficit(+)/surplus(-) to GSDP | Percentage of outstanding liabilities to GSDP |
| (2018-19)                                    | (2018-19)                                                             | (2018-19)                             | (2018-19)                         | (2018-19)                                                        | (2018-19)                                            | (2018-19)                                          | (31-3-2019)                                   |
| (30)                                         | (31)                                                                  | (32)                                  | (33)                              | (34)                                                             | (35)                                                 | (36)                                               | (37)                                          |
| 22,011                                       | 51.2                                                                  | 6,169                                 | 3,734                             | 66.8                                                             | 1.2                                                  | 3.6                                                | 32.8                                          |
| 32,108                                       | 55.6                                                                  | 4,842                                 | 7,695                             | 74.8                                                             | Neg.                                                 | 3.3                                                | 16.7                                          |
| 1,32,012                                     | 6.1                                                                   | 69,760                                | 48,716                            | 74.6                                                             | N.A                                                  | N.A                                                | N.A                                           |
| 26,322                                       | 20.6                                                                  | 7,387                                 | 9,658                             | 70.5                                                             | -2.4                                                 | 3.0                                                | 17.8                                          |
| 13,306                                       | 20.9                                                                  | 6,242                                 | 3,909                             | 72.7                                                             | -1.7                                                 | 4.5                                                | 30.2                                          |
| 18,714                                       | 31.3                                                                  | 6,616                                 | 3,725                             | 71.4                                                             | -2.3                                                 | 2.4                                                | 27.2                                          |
| 22,804                                       | 85.7                                                                  | N.A                                   | 2,938                             | 70.7                                                             | -0.6                                                 | 0.1                                                | 0.7                                           |
| 77,348                                       | 45.1                                                                  | 18,878                                | 4,910                             | 69.3                                                             | -0.2                                                 | 5.3                                                | 26.5                                          |
| 20,804                                       | 59.3                                                                  | 3,477                                 | 3,196                             | 66.0                                                             | N.A                                                  | N.A                                                | N.A                                           |
| 26,954                                       | 66.6                                                                  | 2,816                                 | 2,985                             | 65.9                                                             | 1.2                                                  | 2.9                                                | 26.0                                          |
| 42,843                                       | 22.0                                                                  | 7,458                                 | 22,787                            | 61.6                                                             | 1.4                                                  | 5.1                                                | 35.2                                          |
| 49,179                                       | 14.1                                                                  | 9,565                                 | 28,438                            | 68.0                                                             | N.A                                                  | N.A                                                | N.A                                           |
| 25,297                                       | 58.2                                                                  | 5,371                                 | 4,099                             | 71.3                                                             | Neg.                                                 | 2.6                                                | 18.1                                          |
| 28,533                                       | 54.3                                                                  | 5,360                                 | 3,986                             | 48.3                                                             | 1.7                                                  | 3.0                                                | 30.5                                          |
| 18,489                                       | 34.9                                                                  | 7,032                                 | 3,822                             | 69.9                                                             | Neg.                                                 | 3.5                                                | 24.7                                          |
| 25,917                                       | 30.8                                                                  | 8,266                                 | 6,796                             | 80.4                                                             | 2.0                                                  | 6.0                                                | 21.9                                          |
| <b>23,546</b>                                | <b>65.9</b>                                                           | <b>3,456</b>                          | <b>3,161</b>                      | <b>62.5</b>                                                      | <b>0.6</b>                                           | <b>2.1</b>                                         | <b>16.8</b>                                   |
| 39,503                                       | 8.5                                                                   | 14,724                                | 20,850                            | 64.2                                                             | N.A                                                  | N.A                                                | N.A                                           |
| 39,063                                       | 15.8                                                                  | 14,958                                | 16,264                            | 70.9                                                             | -1.4                                                 | 3.3                                                | 31.4                                          |
| 73,136                                       | 5.6                                                                   | 28,582                                | 37,748                            | 69.0                                                             | -2.4                                                 | 7.6                                                | 34.7                                          |
| 55,984                                       | 5.9                                                                   | 17,730                                | 33,307                            | 54.9                                                             | -2.0                                                 | 5.0                                                | 37.8                                          |
| 23,370                                       | 29.5                                                                  | 7,926                                 | 5,971                             | 73.3                                                             | -2.2                                                 | 2.9                                                | 23.0                                          |
| 23,656                                       | 47.0                                                                  | 3,924                                 | 5,282                             | 49.1                                                             | 2.3                                                  | 3.4                                                | 40.7                                          |
| 19,284                                       | 41.8                                                                  | 5,446                                 | 3,183                             | 65.8                                                             | 2.7                                                  | 3.4                                                | 33.0                                          |
| 1,02,679                                     | 9.9                                                                   | 42,343                                | 40,356                            | 67.0                                                             | -3.3                                                 | 3.4                                                | 25.4                                          |
| 23,908                                       | 61.0                                                                  | 4,056                                 | 3,323                             | 57.6                                                             | 1.2                                                  | 2.7                                                | 21.7                                          |
| 36,851                                       | 15.6                                                                  | 12,473                                | 17,747                            | 62.1                                                             | -3.6                                                 | 2.4                                                | 29.0                                          |
| 16,985                                       | 36.3                                                                  | 6,157                                 | 3,368                             | 61.0                                                             | -3.1                                                 | 2.8                                                | 36.5                                          |
| 31,344                                       | 42.5                                                                  | 7,225                                 | 7,424                             | 54.7                                                             | Neg.                                                 | 2.2                                                | 23.6                                          |
| 15,791                                       | 40.4                                                                  | 5,813                                 | 3,173                             | 61.6                                                             | 0.6                                                  | 2.8                                                | 34.0                                          |
| <b>21,569</b>                                | <b>44.3</b>                                                           | <b>N.A.</b>                           | <b>N.A.</b>                       | <b>65.2</b>                                                      | <b>0.1</b>                                           | <b>2.9</b>                                         | <b>24.9</b>                                   |

N. A. Not Applicable

N A Not Available

Neg. Negligible

## SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| State                    | Scheduled Commercial Banks                                 |                                         |                                       |                                      |                                                                                               | Pradhan Mantri Mudra Yojana <sup>SS</sup> |                               | Annual Credit Plan <sup>#</sup><br>(₹ Crore) | Annual Rainfall<br>(mm) | Average size of operational Holdings<br>(ha.) |
|--------------------------|------------------------------------------------------------|-----------------------------------------|---------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------|----------------------------------------------|-------------------------|-----------------------------------------------|
|                          | Number of banking offices per lakh population <sup>@</sup> | Per capita deposits <sup>@</sup><br>(₹) | Per capita credit <sup>@</sup><br>(₹) | Credit – Deposit Ratio<br>(Per cent) | Share of priority sector advances in total credit of scheduled commercial banks<br>(per cent) | No. of Accounts ('000)                    | Amount Disbursed<br>(₹ Crore) |                                              |                         |                                               |
| Reference Year / Date    | As on 31 <sup>st</sup> March, 2019                         |                                         |                                       |                                      |                                                                                               | (2019-20)                                 | (2019-20)                     | (2019-20)                                    | (2018)                  | (2015-16)                                     |
| (1)                      | (38)                                                       | (39)                                    | (40)                                  | (41)                                 | (42)                                                                                          | (43)                                      | (44)                          | (45)                                         | (46)                    | (47)                                          |
| Andhra Pradesh           | 13.3                                                       | 57,613                                  | 70,195                                | 121.8                                | 54.7                                                                                          | 535                                       | 4,864                         | 1,15,000                                     | 663.8                   | 0.94                                          |
| Telangana                | 13.7                                                       | 1,23,275                                | 1,29,376                              | 104.9                                | 26.3                                                                                          | 612                                       | 3,644                         | 68,597                                       | 846.0                   | 1.00                                          |
| Arunachal Pradesh        | 10.3                                                       | 1,11,108                                | 25,479                                | 22.9                                 | 30.5                                                                                          | 1                                         | 38                            | 444                                          | 2,032.5                 | 3.35                                          |
| Assam                    | 6.8                                                        | 42,925                                  | 18,975                                | 44.2                                 | 55.8                                                                                          | 710                                       | 3,000                         | 15,758                                       | 1,807.1                 | 1.09                                          |
| Bihar                    | 5.7                                                        | 29,558                                  | 10,064                                | 34.0                                 | 61.1                                                                                          | 3,461                                     | 12,717                        | 60,000                                       | 860.6                   | 0.39                                          |
| Jharkhand                | 7.9                                                        | 58,420                                  | 16,094                                | 27.5                                 | 53.5                                                                                          | 967                                       | 4,106                         | 6,118                                        | 960.0                   | 1.10                                          |
| Delhi                    | 17.9                                                       | 6,00,620                                | 6,49,562                              | 108.1                                | 11.0                                                                                          | 472                                       | 2,901                         | 11,612                                       | 687.3                   | 1.39                                          |
| Goa                      | 43.4                                                       | 4,61,727                                | 1,21,812                              | 26.4                                 | 37.0                                                                                          | 21                                        | 266                           | 772                                          | 2,671.3                 | 1.10                                          |
| Gujarat                  | 11.7                                                       | 99,314                                  | 78,220                                | 78.8                                 | 41.8                                                                                          | 974                                       | 6,133                         | 78,434                                       | 485.3                   | 1.88                                          |
| Haryana                  | 17.0                                                       | 1,42,970                                | 86,267                                | 60.3                                 | 46.1                                                                                          | 725                                       | 4,254                         | 80,271                                       | 478.4                   | 2.22                                          |
| Himachal Pradesh         | 22.0                                                       | 1,30,853                                | 40,307                                | 30.8                                 | 59.5                                                                                          | 67                                        | 1,170                         | 11,072                                       | 1,182.1                 | 0.95                                          |
| Jammu & Kashmir          | 13.2                                                       | 87,526                                  | 39,800                                | 45.5                                 | 47.2                                                                                          | 107                                       | 2,370                         | 13,131                                       | 1,040.6                 | 0.59                                          |
| Karnataka                | 15.4                                                       | 1,42,063                                | 98,618                                | 69.4                                 | 33.7                                                                                          | 3,262                                     | 15,925                        | 1,14,938                                     | 1,076.7                 | 1.36                                          |
| Kerala                   | 18.3                                                       | 1,41,136                                | 92,606                                | 65.6                                 | 52.7                                                                                          | 1,290                                     | 7,160                         | 71,537                                       | 3,518.9                 | 0.18                                          |
| Madhya Pradesh           | 8.0                                                        | 44,815                                  | 30,315                                | 67.6                                 | 57.4                                                                                          | 1,902                                     | 9,002                         | 1,23,857                                     | 897.2                   | 1.57                                          |
| Chhattisgarh             | 8.9                                                        | 49,628                                  | 31,271                                | 63.0                                 | 46.7                                                                                          | 594                                       | 2,702                         | 17,129                                       | 1,211.9                 | 1.24                                          |
| <b>Maharashtra</b>       | <b>10.2</b>                                                | <b>2,08,750</b>                         | <b>2,22,247</b>                       | <b>106.5</b>                         | <b>32.2</b>                                                                                   | <b>2,739</b>                              | <b>14,102</b>                 | <b>87,322</b>                                | <b>1,000.8</b>          | <b>1.34</b>                                   |
| Manipur                  | 6.4                                                        | 32,866                                  | 16,786                                | 51.1                                 | 41.3                                                                                          | 34                                        | 157                           | 667                                          | 1,580.2                 | 1.14                                          |
| Meghalaya                | 10.6                                                       | 74,352                                  | 20,093                                | 27.0                                 | 21.5                                                                                          | 18                                        | 123                           | 953                                          | 2,540.0                 | 1.29                                          |
| Mizoram                  | 15.2                                                       | 75,615                                  | 27,554                                | 36.4                                 | 48.2                                                                                          | 3                                         | 49                            | 520                                          | 2,552.6                 | 1.25                                          |
| Nagaland                 | 7.6                                                        | 51,934                                  | 18,611                                | 35.8                                 | 23.8                                                                                          | 2                                         | 65                            | 371                                          | 1,581.3                 | 4.87                                          |
| Odisha                   | 11.1                                                       | 70,898                                  | 27,270                                | 38.5                                 | 49.3                                                                                          | 2,112                                     | 7,932                         | 41,320                                       | 1,630.0                 | 0.95                                          |
| Punjab                   | 21.5                                                       | 1,27,099                                | 76,561                                | 60.2                                 | 48.8                                                                                          | 867                                       | 4,990                         | 1,27,875                                     | 629.0                   | 3.62                                          |
| Rajasthan                | 9.4                                                        | 49,005                                  | 39,751                                | 81.1                                 | 61.3                                                                                          | 1,616                                     | 8,836                         | 1,00,396                                     | 400.9                   | 2.73                                          |
| Sikkim                   | 21.4                                                       | 1,44,910                                | 41,091                                | 28.4                                 | 25.1                                                                                          | 8                                         | 65                            | 306                                          | 3,105.2                 | 1.27                                          |
| Tamil Nadu               | 14.4                                                       | 1,05,524                                | 1,15,785                              | 109.7                                | 43.2                                                                                          | 3,631                                     | 17,131                        | 1,37,427                                     | 801.0                   | 0.75                                          |
| Tripura                  | 11.4                                                       | 62,154                                  | 25,961                                | 41.8                                 | 68.9                                                                                          | 179                                       | 667                           | 3,455                                        | 2,191.4                 | 0.49                                          |
| Uttar Pradesh            | 7.6                                                        | 46,260                                  | 19,545                                | 42.2                                 | 58.1                                                                                          | 3,227                                     | 15,005                        | 1,70,201                                     | 805.4                   | 0.73                                          |
| Uttarakhand              | 18.5                                                       | 1,22,993                                | 46,292                                | 37.6                                 | 51.8                                                                                          | 179                                       | 1,638                         | 10,385                                       | 1,392.2                 | 0.85                                          |
| West Bengal              | 8.2                                                        | 80,223                                  | 39,194                                | 48.9                                 | 40.2                                                                                          | 2,895                                     | 11,873                        | 55,000                                       | 1,444.1                 | 0.76                                          |
| <b>India<sup>S</sup></b> | <b>10.6</b>                                                | <b>94,221</b>                           | <b>73,662</b>                         | <b>78.2</b>                          | <b>37.1</b>                                                                                   | <b>33,333</b>                             | <b>1,63,938</b>               | <b>15,27,920</b>                             | <b>1,020.8</b>          | <b>1.08</b>                                   |

<sup>S</sup> Includes Union Territories @ Projected Population as on 1<sup>st</sup> March, 2019

<sup>SS</sup> upto December, 2019

<sup>#</sup> Target for Agriculture and allied activities

# SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| Yield per hectare (kg)                 |            |                |              |               |                   | Per capita foodgrains Production (kg) | Consumption of fertilizer per hectare cropped area (kg) | Percentage of gross irrigated area to gross cropped area | Net area sown per cultivator (ha) | Percentage of net area sown to total geographical area |
|----------------------------------------|------------|----------------|--------------|---------------|-------------------|---------------------------------------|---------------------------------------------------------|----------------------------------------------------------|-----------------------------------|--------------------------------------------------------|
| All cereals                            | All pulses | All foodgrains | All oilseeds | Cotton (lint) | Sugarcane (Tonne) |                                       |                                                         |                                                          |                                   |                                                        |
| Triennial average (2015-16 to 2017-18) |            |                |              |               |                   | (2017-18)                             | (2015-16)                                               | (2015-16)                                                | (2015-16)                         | (2015-16)                                              |
| (48)                                   | (49)       | (50)           | (51)         | (52)          | (53)              | (54)                                  | (55)                                                    | (56)                                                     | (57)                              | (58)                                                   |
| 3,730                                  | 791        | 2,705          | 954          | 531           | 77                | 234.7                                 | 225.5                                                   | 47.1                                                     | 1.6                               | 38.1                                                   |
| 3,085                                  | 726        | 2,611          | 1,426        | 411           | 71                | 255.7                                 | 269.0                                                   | 41.4                                                     | -                                 | 37.2                                                   |
| 1,619                                  | 1,015      | 1,583          | 1,040        | -             | 21                | 242.5                                 | 1.9                                                     | 18.6                                                     | 0.7                               | 2.7                                                    |
| 2,054                                  | 747        | 1,982          | 659          | Neg           | 37                | 163.7                                 | 59.8                                                    | 9.6                                                      | 0.7                               | 35.7                                                   |
| 2,543                                  | 912        | 2,423          | 1,141        | -             | 55                | 145.6                                 | 224.1                                                   | 69.3                                                     | 0.7                               | 55.3                                                   |
| 2,057                                  | 981        | 1,786          | 709          | -             | 70                | 163.8                                 | 93.4                                                    | 13.0                                                     | 0.4                               | 17.4                                                   |
| 3,626                                  | 2,463      | 3,624          | 1,256        | -             | -                 | 5.5                                   | 95.3                                                    | 63.7                                                     | 0.7                               | 14.8                                                   |
| 2,744                                  | 876        | 2,588          | 2,245        | -             | 45                | 70.6                                  | 30.8                                                    | 24.5                                                     | 4.1                               | 35.1                                                   |
| 2,312                                  | 938        | 2,001          | 1,826        | 620           | 69                | 115.0                                 | 131.6                                                   | 52.4                                                     | 1.9                               | 52.5                                                   |
| 3,726                                  | 846        | 3,672          | 1,809        | 433           | 79                | 576.3                                 | 207.0                                                   | 91.4                                                     | 1.4                               | 79.7                                                   |
| 2,152                                  | 1,847      | 2,141          | 533          | Neg           | 17                | 205.8                                 | 60.3                                                    | 22.1                                                     | 0.3                               | 9.9                                                    |
| 1,809                                  | 577        | 1,785          | 628          | -             | 2                 | 117.7                                 | 105.5                                                   | 44.7                                                     | 0.6                               | 3.4                                                    |
| 1,972                                  | 545        | 1,410          | 696          | 480           | 79                | 181.2                                 | 148.2                                                   | 31.2                                                     | 1.5                               | 52.2                                                   |
| 2,696                                  | 1,048      | 2,675          | 998          | Neg           | 106               | 15.0                                  | 87.0                                                    | 18.4                                                     | 3.0                               | 52.1                                                   |
| 2,601                                  | 977        | 1,950          | 1,022        | 527           | 53                | 414.9                                 | 82.9                                                    | 42.3                                                     | 1.5                               | 49.1                                                   |
| 1,619                                  | 721        | 1,467          | 511          | Neg           | 30                | 211.5                                 | 113.0                                                   | 31.1                                                     | 1.2                               | 34.4                                                   |
| <b>1,285</b>                           | <b>699</b> | <b>1,077</b>   | <b>919</b>   | <b>339</b>    | <b>83</b>         | <b>109.9</b>                          | <b>116.1</b>                                            | <b>N.A</b>                                               | <b>1.4</b>                        | <b>55.9</b>                                            |
| 1,961                                  | 967        | 1,858          | 859          | -             | 58                | 231.0                                 | 33.9                                                    | 16.7                                                     | 1.0                               | 19.6                                                   |
| 2,377                                  | 1,442      | 2,322          | 1,066        | Neg           | 3                 | 113.9                                 | 0.0                                                     | 42.1                                                     | 0.5                               | 10.9                                                   |
| 1,636                                  | 1,419      | 1,619          | 1,122        | Neg           | 31                | 63.2                                  | 12.3                                                    | 16.3                                                     | 0.6                               | 6.9                                                    |
| 1,688                                  | 1,153      | 1,626          | 1,049        | Neg           | 44                | 260.8                                 | 5.0                                                     | 22.7                                                     | 0.7                               | 23.2                                                   |
| 1,782                                  | 536        | 1,573          | 646          | 455           | 64                | 164.7                                 | 108.2                                                   | 29.9                                                     | 1.0                               | 27.0                                                   |
| 4,464                                  | 909        | 4,444          | 1,395        | 580           | 79                | 1073.6                                | 246.9                                                   | 98.6                                                     | 2.1                               | 82.2                                                   |
| 1,808                                  | 586        | 1,384          | 1,337        | 506           | 76                | 263.2                                 | 61.2                                                    | 42.2                                                     | 1.3                               | 52.7                                                   |
| 1,661                                  | 957        | 1,596          | 917          | -             | -                 | 143.5                                 | 0.0                                                     | 11.5                                                     | 0.7                               | 10.9                                                   |
| 3,090                                  | 616        | 2,499          | 2,296        | 428           | 96                | 142.5                                 | 188.4                                                   | 58.8                                                     | 1.1                               | 37.2                                                   |
| 2,874                                  | 778        | 2,723          | 788          | Neg           | 52                | 217.5                                 | 45.9                                                    | 24.2                                                     | 0.9                               | 24.4                                                   |
| 2,625                                  | 821        | 2,423          | 866          | Neg           | 70                | 232.7                                 | 161.4                                                   | 79.7                                                     | 0.9                               | 68.4                                                   |
| 2,218                                  | 854        | 2,120          | 981          | -             | 67                | 173.7                                 | 185.8                                                   | 50.0                                                     | 0.4                               | 13.1                                                   |
| 2,912                                  | 968        | 2,799          | 1,171        | Neg           | 89                | 175.7                                 | 163.5                                                   | 64.0                                                     | 1.0                               | 59.1                                                   |
| <b>2,525</b>                           | <b>764</b> | <b>2,135</b>   | <b>1,149</b> | <b>457</b>    | <b>73</b>         | <b>217.1</b>                          | <b>135.8</b>                                            | <b>49.0</b>                                              | <b>1.2</b>                        | <b>42.4</b>                                            |

N A Not Available      Neg. Negligible



## SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| State                    | Cropping intensity | Percentage of forest cover <sup>+</sup> to total geographical area | Percentage of tree cover <sup>++</sup> to total geographical area | Annual Survey of Industries <sup>*</sup> |                |                                |                                   | Percentage of employed persons <sup>#</sup> |             | Unemployment Rate |            |
|--------------------------|--------------------|--------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------|----------------|--------------------------------|-----------------------------------|---------------------------------------------|-------------|-------------------|------------|
|                          |                    |                                                                    |                                                                   | Factories (no.)                          | Workers ('000) | Gross output Per worker ('000) | Net value added Per worker ('000) | Rural                                       | Urban       | Rural             | Urban      |
| Reference Year /Date     | (2015-16)          | (2019)                                                             | (2019)                                                            | (2017-18)                                |                |                                |                                   | (2017-18)                                   |             |                   |            |
| (1)                      | (59)               | (60)                                                               | (61)                                                              | (62)                                     | (63)           | (64)                           | (65)                              | (66)                                        | (67)        | (68)              | (69)       |
| Andhra Pradesh           | 121.3              | 17.9                                                               | 2.4                                                               | 16,296                                   | 487            | 6,392                          | 738                               | 48.4                                        | 38.3        | 3.6               | 6.6        |
| Telangana <sup>^</sup>   | 117.2              | 18.4                                                               | 2.2                                                               | 15,263                                   | 669            | 3,321                          | 588                               | 42.0                                        | 35.2        | 6.5               | 9.4        |
| Arunachal Pradesh        | 132.9              | 79.6                                                               | 1.0                                                               | 117                                      | 3              | 3,744                          | 457                               | 31.4                                        | 26.9        | 5.3               | 9.9        |
| Assam                    | 144.9              | 36.1                                                               | 1.8                                                               | 4,538                                    | 180            | 3,730                          | 756                               | 32.7                                        | 34.6        | 8.3               | 6.3        |
| Bihar                    | 145.5              | 7.8                                                                | 2.1                                                               | 3,461                                    | 104            | 5,769                          | 615                               | 23.6                                        | 24.2        | 7.0               | 9.0        |
| Jharkhand                | 130.7              | 29.6                                                               | 3.3                                                               | 2,866                                    | 153            | 9,244                          | 1,526                             | 29.2                                        | 26.7        | 7.1               | 10.5       |
| Delhi                    | 267.1              | 13.2                                                               | 8.7                                                               | 3,432                                    | 69             | 6,783                          | 810                               | 27.7                                        | 33.0        | 3.5               | 9.8        |
| Goa                      | 120.9              | 60.4                                                               | 7.3                                                               | 715                                      | 51             | 9,819                          | 2,748                             | 37.8                                        | 32.6        | 13.9              | 13.8       |
| Gujarat                  | 111.8              | 7.6                                                                | 3.5                                                               | 26,586                                   | 1,403          | 9,682                          | 1,292                             | 37.0                                        | 35.1        | 5.2               | 4.3        |
| Haryana                  | 184.8              | 3.6                                                                | 3.5                                                               | 8,891                                    | 674            | 7,517                          | 944                               | 29.7                                        | 32.0        | 9.3               | 7.3        |
| Himachal Pradesh         | 169.2              | 27.7                                                               | 1.5                                                               | 2,671                                    | 147            | 7,701                          | 2,022                             | 47.4                                        | 37.9        | 5.2               | 8.7        |
| Jammu & Kashmir          | 153.7              | 10.6                                                               | 3.6                                                               | 1,019                                    | 58             | 5,669                          | 1,105                             | 39.9                                        | 34.0        | 4.2               | 10.0       |
| Karnataka                | 120.0              | 20.1                                                               | 3.3                                                               | 13,518                                   | 829            | 6,383                          | 1,052                             | 39.8                                        | 35.4        | 3.9               | 6.5        |
| Kerala                   | 129.9              | 54.4                                                               | 7.6                                                               | 7,649                                    | 242            | 6,786                          | 801                               | 32.7                                        | 32.0        | 10.0              | 13.2       |
| Madhya Pradesh           | 156.5              | 25.1                                                               | 2.7                                                               | 4,533                                    | 281            | 9,152                          | 1,420                             | 41.7                                        | 34.5        | 3.6               | 7.7        |
| Chhattisgarh             | 121.3              | 41.1                                                               | 3.1                                                               | 3,352                                    | 147            | 8,527                          | 984                               | 47.5                                        | 37.9        | 2.5               | 7.5        |
| <b>Maharashtra</b>       | <b>136.5</b>       | <b>16.5</b>                                                        | <b>3.5</b>                                                        | <b>26,393</b>                            | <b>1,415</b>   | <b>8,526</b>                   | <b>1,626</b>                      | <b>42.7</b>                                 | <b>34.6</b> | <b>3.3</b>        | <b>7.4</b> |
| Manipur                  | 100.0              | 75.5                                                               | 0.8                                                               | 191                                      | 7              | 574                            | 114                               | 32.3                                        | 31.5        | 11.6              | 11.4       |
| Meghalaya                | 123.3              | 76.3                                                               | 3.2                                                               | 133                                      | 11             | 5,288                          | 1,138                             | 43.2                                        | 33.7        | 0.6               | 6.7        |
| Mizoram                  | 130.2              | 85.4                                                               | 2.1                                                               | N.A.                                     | N.A.           | N.A.                           | N.A.                              | 39.1                                        | 32.5        | 6.5               | 14.4       |
| Nagaland                 | 131.2              | 75.3                                                               | 2.2                                                               | 186                                      | 5              | 1,039                          | 253                               | 26.4                                        | 24.7        | 21.6              | 21.1       |
| Odisha                   | 114.4              | 33.2                                                               | 3.0                                                               | 3,066                                    | 229            | 10,041                         | 1,178                             | 34.1                                        | 32.1        | 6.9               | 8.3        |
| Punjab                   | 190.3              | 3.7                                                                | 3.2                                                               | 12,726                                   | 569            | 3,726                          | 471                               | 32.8                                        | 35.5        | 7.8               | 7.7        |
| Rajasthan                | 138.8              | 4.9                                                                | 2.4                                                               | 9,212                                    | 432            | 6,878                          | 982                               | 35.2                                        | 30.7        | 4.5               | 7.2        |
| Sikkim                   | 177.0              | 47.1                                                               | 0.5                                                               | 82                                       | 15             | 12,184                         | 7,062                             | 47.7                                        | 45.1        | 2.7               | 5.8        |
| Tamil Nadu               | 125.7              | 20.3                                                               | 3.7                                                               | 37,787                                   | 2,095          | 4,123                          | 655                               | 42.5                                        | 38.3        | 7.9               | 7.2        |
| Tripura                  | 190.1              | 73.7                                                               | 2.2                                                               | 607                                      | 23             | 667                            | 130                               | 33.9                                        | 33.5        | 6.3               | 8.7        |
| Uttar Pradesh            | 159.1              | 6.2                                                                | 3.1                                                               | 15,830                                   | 839            | 6,142                          | 877                               | 28.7                                        | 28.8        | 5.5               | 9.7        |
| Uttarakhand              | 155.0              | 45.4                                                               | 1.6                                                               | 2,998                                    | 340            | 6,953                          | 1,292                             | 31.0                                        | 29.8        | 6.9               | 9.5        |
| West Bengal              | 188.5              | 19.0                                                               | 2.3                                                               | 9,534                                    | 517            | 6,173                          | 716                               | 37.4                                        | 37.0        | 3.8               | 6.5        |
| <b>India<sup>S</sup></b> | <b>141.3</b>       | <b>21.7</b>                                                        | <b>2.9</b>                                                        | <b>2,37,684</b>                          | <b>12,224</b>  | <b>6,611</b>                   | <b>1,013</b>                      | <b>35.0</b>                                 | <b>33.9</b> | <b>5.3</b>        | <b>7.8</b> |

<sup>S</sup> Includes Union Territories N A Not Available <sup>\*</sup> Provisional

<sup>+</sup> All Lands, more than one ha. in area, with a tree canopy density of more than 10 per cent irrespective of ownership and legal status, it also includes orchards, bamboo and palm. <sup>++</sup> It comprises of tree patches outside the recorded forest area exclusive of forest cover and less than the minimum mappable area (one ha)

<sup>#</sup> Data based on Annual Report- Periodic Labour Force Survey, (July 2017-June 2018)



## SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| Labour force participation Rate <sup>#</sup> |       | Economic Census                           |                                                 |                                                                      |            | Installed capacity of electricity per lakh population* (MW) | Per capita generation of electricity* (kwh.) | Transmission and Distribution Losses (Per cent) |
|----------------------------------------------|-------|-------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------|------------|-------------------------------------------------------------|----------------------------------------------|-------------------------------------------------|
|                                              |       | No. of establishments per lakh population | Employment in establishment per lakh population | CAGR (Per cent)                                                      |            |                                                             |                                              |                                                 |
| Rural                                        | Urban |                                           |                                                 | Establishment                                                        | Employment |                                                             |                                              |                                                 |
| (2017-18)                                    |       | 6 <sup>th</sup> Economic Census           |                                                 | (5 <sup>th</sup> Economic Census - 6 <sup>th</sup> Economic Census ) |            | (31-03-2019)                                                | (2018-19)                                    | (2017-18)                                       |
| (70)                                         | (71)  | (72)                                      | (73)                                            | (74)                                                                 | (75)       | (76)                                                        | (77)                                         | (78)                                            |
| 50.2                                         | 41.0  | 7,484                                     | 16,703                                          | 6.11                                                                 | 3.52       | 42.13                                                       | 1,228.07                                     | 16.07                                           |
| 44.9                                         | 38.9  | -                                         | -                                               | -                                                                    | -          | 34.15                                                       | 1,074.01                                     | 18.26                                           |
| 33.2                                         | 29.8  | 2,632                                     | 7,873                                           | 3.67                                                                 | 3.54       | 9.08                                                        | 1.18                                         | 48.32                                           |
| 35.7                                         | 36.9  | 6,505                                     | 12,669                                          | 9.59                                                                 | 8.31       | 1.41                                                        | 42.78                                        | 24.60                                           |
| 25.4                                         | 26.6  | 1,640                                     | 3,116                                           | 4.39                                                                 | 5.26       | 0.27                                                        | 4.11                                         | 30.29                                           |
| 31.5                                         | 29.8  | 1,936                                     | 4,406                                           | 3.56                                                                 | 4.10       | 6.47                                                        | 362.41                                       | 16.27                                           |
| 28.7                                         | 36.6  | 5,214                                     | 17,988                                          | 1.87                                                                 | -1.47      | 13.47                                                       | 458.44                                       | 17.38                                           |
| 43.9                                         | 37.9  | 6,622                                     | 19,792                                          | 3.63                                                                 | 3.96       | 3.37                                                        | 0.00                                         | 17.21                                           |
| 39.0                                         | 36.7  | 6,573                                     | 15,897                                          | 6.57                                                                 | 6.53       | 42.39                                                       | 1,342.70                                     | 17.90                                           |
| 32.8                                         | 34.5  | 4,595                                     | 12,767                                          | 4.44                                                                 | 5.52       | 22.85                                                       | 1,006.17                                     | 28.24                                           |
| 50.0                                         | 41.5  | 6,005                                     | 14,235                                          | 6.05                                                                 | 6.98       | 46.05                                                       | 1,573.23                                     | 21.78                                           |
| 41.6                                         | 37.8  | 4,002                                     | 8,735                                           | 5.90                                                                 | 6.71       | 11.85                                                       | 419.79                                       | 45.47                                           |
| 41.4                                         | 37.9  | 4,715                                     | 11,696                                          | 1.76                                                                 | 2.29       | 37.46                                                       | 861.46                                       | 13.25                                           |
| 36.4                                         | 36.8  | 10,043                                    | 20,711                                          | 2.37                                                                 | 2.98       | 7.27                                                        | 229.81                                       | 15.76                                           |
| 43.3                                         | 37.4  | 2,964                                     | 6,262                                           | 3.04                                                                 | 2.73       | 21.55                                                       | 854.53                                       | 26.75                                           |
| 48.7                                         | 41.0  | 3,029                                     | 7,286                                           | 2.74                                                                 | 3.51       | 59.54                                                       | 2,414.92                                     | 23.97                                           |
| 44.1                                         | 37.4  | 5,462                                     | 12,914                                          | 5.00                                                                 | 4.09       | 30.05 <sup>@</sup>                                          | 938.54 <sup>\$</sup>                         | 17.85                                           |
| 36.5                                         | 35.6  | 8,942                                     | 15,936                                          | 10.42                                                                | 8.61       | 1.45                                                        | 0.61                                         | 36.41                                           |
| 43.5                                         | 36.1  | 3,558                                     | 9,755                                           | 3.32                                                                 | 4.71       | 11.00                                                       | 305.50                                       | 35.08                                           |
| 41.9                                         | 38.0  | 5,239                                     | 11,140                                          | 2.68                                                                 | 4.88       | 3.10                                                        | 33.79                                        | 24.23                                           |
| 33.7                                         | 31.3  | 3,080                                     | 8,179                                           | 7.52                                                                 | 3.91       | 1.47                                                        | 40.89                                        | 19.67                                           |
| 36.6                                         | 35.1  | 4,977                                     | 10,287                                          | 1.84                                                                 | 2.79       | 15.53                                                       | 509.20                                       | 38.11                                           |
| 35.6                                         | 38.4  | 5,454                                     | 13,145                                          | 4.53                                                                 | 4.67       | 36.18                                                       | 1,565.97                                     | 17.52                                           |
| 36.8                                         | 33.0  | 4,223                                     | 9,136                                           | 5.25                                                                 | 5.74       | 24.24                                                       | 870.12                                       | 28.66                                           |
| 49.0                                         | 47.8  | 6,096                                     | 14,950                                          | 9.06                                                                 | 7.14       | 122.16                                                      | 4,573.85                                     | 35.54                                           |
| 46.1                                         | 41.3  | 6,971                                     | 16,210                                          | 1.83                                                                 | 2.57       | 30.52                                                       | 804.72                                       | 15.94                                           |
| 36.2                                         | 36.7  | 6,445                                     | 10,997                                          | 3.10                                                                 | 2.48       | 4.65                                                        | 158.71                                       | 29.89                                           |
| 30.3                                         | 32.0  | 3,345                                     | 7,066                                           | 6.65                                                                 | 7.62       | 7.29                                                        | 313.82                                       | 23.19                                           |
| 33.3                                         | 32.9  | 3,908                                     | 10,416                                          | 2.68                                                                 | 5.73       | 28.05                                                       | 989.11                                       | 25.00                                           |
| 38.9                                         | 39.6  | 6,470                                     | 13,041                                          | 4.42                                                                 | 2.73       | 9.28                                                        | 403.33                                       | 22.20                                           |
| 37.0                                         | 36.8  | 4,832                                     | 10,846                                          | 4.46                                                                 | 4.12       | 26.71                                                       | 1,022.98                                     | 21.04                                           |

# Data based on Annual Report-Periodic Labour Force Survey,(July2017-June2018) \*provisional

@ MAHAGENCO, Tata power, Reliance Infrastructure/Adani Electricity, MAHADISCOM, MEDA, CEA/WRPC

\$ MAHAGENCO, Tata power, Reliance Infrastructure/ Adani Electricity, MAHADISCOM, CEA/WRPC

## SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| State                     | Annual per capita ultimate consumption of electricity* (kwh.) |               |               |               | Motor vehicles per lakh population (no.) | Total road length per hundred sq. km of area (km) | Railway route length per hundred sq. km of area* (km) |
|---------------------------|---------------------------------------------------------------|---------------|---------------|---------------|------------------------------------------|---------------------------------------------------|-------------------------------------------------------|
|                           | Total                                                         | Domestic      | Industrial    | Agriculture   |                                          |                                                   |                                                       |
| Reference Year / Date     | (2018-19)                                                     |               |               |               | (31-3-2017)                              | (31-3-2017)                                       | (31-3-2019)                                           |
| (1)                       | (79)                                                          | (80)          | (81)          | (82)          | (83)                                     | (84)                                              | (85)                                                  |
| Andhra Pradesh            | 1,072.54                                                      | 271.83        | 354.02        | 245.74        | 18,678                                   | 108                                               | 2.35                                                  |
| Telangana ^               | 1,542.76                                                      | 301.92        | 366.50        | 636.42        | 26,905                                   | 113                                               | 1.63                                                  |
| Arunachal Pradesh         | 307.30                                                        | 122.85        | 89.61         | 0.02          | 12,270                                   | 44                                                | 0.01                                                  |
| Assam                     | 208.78                                                        | 104.19        | 49.19         | 1.40          | 9,072                                    | 431                                               | 3.21                                                  |
| Bihar                     | 183.98                                                        | 103.19        | 28.06         | 6.93          | 5,421                                    | 223                                               | 3.95                                                  |
| Jharkhand                 | 655.58                                                        | 167.38        | 403.19        | 5.95          | 9,374                                    | 88                                                | 3.23                                                  |
| Delhi                     | 1,274.43                                                      | 674.03        | 150.32        | 1.46          | 54,291                                   | N.A.                                              | 12.36                                                 |
| Goa                       | 1,807.70                                                      | 549.90        | 958.70        | 12.59         | 81,674                                   | 450                                               | 4.74                                                  |
| Gujarat                   | 1,467.42                                                      | 238.56        | 856.19        | 232.15        | 33,543                                   | 92                                                | 2.71                                                  |
| Haryana                   | 1,429.39                                                      | 337.90        | 498.69        | 341.09        | 33,836                                   | 184                                               | 3.85                                                  |
| Himachal Pradesh          | 1,184.39                                                      | 280.42        | 678.65        | 8.76          | 18,870                                   | 113                                               | 0.56                                                  |
| Jammu & Kashmir           | 679.55                                                        | 278.43        | 137.62        | 25.43         | 11,409                                   | 29                                                | 0.13                                                  |
| Karnataka                 | 965.34                                                        | 203.17        | 219.57        | 349.09        | 27,692                                   | 188                                               | 1.98                                                  |
| Kerala                    | 597.13                                                        | 302.08        | 129.64        | 10.07         | 32,588                                   | 619                                               | 2.69                                                  |
| Madhya Pradesh            | 644.40                                                        | 155.79        | 127.72        | 242.80        | 16,608                                   | 111                                               | 1.59                                                  |
| Chhattisgarh              | 832.93                                                        | 195.57        | 338.89        | 188.95        | 18,859                                   | 72                                                | 0.90                                                  |
| <b>Maharashtra</b>        | <b>1,037.52</b>                                               | <b>231.01</b> | <b>323.04</b> | <b>249.78</b> | <b>25,309</b>                            | <b>203</b>                                        | <b>2.01</b>                                           |
| Manipur                   | 262.13                                                        | 173.47        | 11.23         | 0.80          | 11,232                                   | 124                                               | 0.06                                                  |
| Meghalaya                 | 387.86                                                        | 155.38        | 152.09        | 0.04          | 18,537                                   | 102                                               | 0.04                                                  |
| Mizoram                   | 355.42                                                        | 205.88        | 13.16         | 0.00          | 16,079                                   | 52                                                | 0.01                                                  |
| Nagaland                  | 243.51                                                        | 155.66        | 17.21         | 0.00          | 19,552                                   | 219                                               | 0.07                                                  |
| Odisha                    | 447.18                                                        | 165.63        | 170.31        | 12.90         | 15,169                                   | 195                                               | 1.68                                                  |
| Punjab                    | 1,626.90                                                      | 471.94        | 538.66        | 425.32        | 33,617                                   | 277                                               | 4.50                                                  |
| Rajasthan                 | 797.24                                                        | 165.76        | 213.07        | 308.82        | 19,914                                   | 78                                                | 1.73                                                  |
| Sikkim                    | 573.51                                                        | 161.84        | 305.06        | 0.00          | 8,346                                    | 160                                               | 0.00                                                  |
| Tamil Nadu                | 1,320.60                                                      | 384.38        | 514.02        | 186.20        | 34,886                                   | 201                                               | 3.10                                                  |
| Tripura                   | 243.22                                                        | 133.31        | 12.66         | 10.09         | 9,836                                    | 409                                               | 2.15                                                  |
| Uttar Pradesh             | 402.78                                                        | 174.26        | 83.57         | 76.55         | 12,058                                   | 178                                               | 3.66                                                  |
| Uttarakhand               | 1,053.33                                                      | 257.60        | 578.82        | 41.07         | 19,732                                   | 130                                               | 0.64                                                  |
| West Bengal               | 502.45                                                        | 161.94        | 195.10        | 15.86         | 7,802                                    | 363                                               | 4.77                                                  |
| <b>India<sup>\$</sup></b> | <b>784.15</b>                                                 | <b>219.02</b> | <b>261.06</b> | <b>160.94</b> | <b>19,508</b>                            | <b>151</b>                                        | <b>2.07</b>                                           |

\$ Includes Union Territories ^ Included in Andhra Pradesh unless specifically mentioned

N A Not Available \*provisional

## SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| Teledensity  |          | State’s share<br>in total<br>value of<br>mineral<br>production<br>(per cent) | Enrolment<br>in primary<br>and secondary<br>schools per<br>thousand<br>population* | Gross Enrolment Ratio*         |        |        | Gender Parity Index*                     |                                  |                                              |
|--------------|----------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------|--------|--------|------------------------------------------|----------------------------------|----------------------------------------------|
|              |          |                                                                              |                                                                                    | Elementary Level (Std.I –VIII) |        |        | Elementary<br>Level<br>(Std I-<br>VIII ) | Secondary<br>Level (Std<br>IX-X) | Higher<br>Secondary<br>Level (Std<br>XI-XII) |
| Wireline     | Wireless |                                                                              |                                                                                    | Boys                           | Girls  | Total  |                                          |                                  |                                              |
| (30-09-2019) |          | (2018-19)                                                                    | (2017-18)                                                                          | (2017-18)                      |        |        | (2017-18)                                |                                  |                                              |
| (86)         | (87)     | (88)                                                                         | (89)                                                                               | (90)                           | (91)   | (92)   | (93)                                     | (94)                             | (95)                                         |
| 1.52         | 96.5     | 1.76                                                                         | 135                                                                                | 86.71                          | 83.10  | 84.97  | 0.96                                     | 1.02                             | 1.15                                         |
| -            | -        | 0.84                                                                         | 158                                                                                | 94.37                          | 94.40  | 94.38  | 1.00                                     | 1.04                             | 1.17                                         |
| 1.75         | 101.79   | 0.00                                                                         | 219                                                                                | 109.46                         | 112.65 | 111.02 | 1.03                                     | 1.00                             | 1.02                                         |
| 0.34         | 71.31    | 0.07                                                                         | 187                                                                                | 98.27                          | 104.69 | 101.40 | 1.07                                     | 1.15                             | 1.08                                         |
| 0.09         | 58.28    | 0.02                                                                         | 206                                                                                | 92.49                          | 103.08 | 97.47  | 1.11                                     | 1.20                             | 1.00                                         |
| 0.23         | 63.63    | 3.43                                                                         | 193                                                                                | 100.42                         | 103.36 | 101.84 | 1.03                                     | 1.11                             | 1.04                                         |
| 13.81        | 168.51   | 0.00                                                                         | 189                                                                                | 108.45                         | 120.43 | 113.74 | 1.11                                     | 1.13                             | 1.15                                         |
| 4.39         | 137.45   | Neg.                                                                         | 161                                                                                | 96.41                          | 100.97 | 98.54  | 1.05                                     | 1.01                             | 1.20                                         |
| 1.84         | 104.21   | 0.95                                                                         | 160                                                                                | 92.68                          | 96.92  | 94.60  | 1.05                                     | 0.87                             | 0.92                                         |
| 1.07         | 120.02   | 0.00                                                                         | 175                                                                                | 94.72                          | 101.05 | 97.47  | 1.07                                     | 1.03                             | 0.99                                         |
| 1.45         | 147.71   | 0.35                                                                         | 163                                                                                | 98.62                          | 100.53 | 99.52  | 1.02                                     | 1.01                             | 1.03                                         |
| 0.91         | 88.27    | 0.04                                                                         | 154                                                                                | 72.68                          | 75.65  | 74.07  | 1.04                                     | 0.98                             | 0.96                                         |
| 3.35         | 107.62   | 11.93                                                                        | 156                                                                                | 100.45                         | 100.63 | 100.54 | 1.00                                     | 1.03                             | 1.13                                         |
| 5.01         | 123.29   | 0.05                                                                         | 143                                                                                | 94.17                          | 94.98  | 94.56  | 1.01                                     | 1.01                             | 1.14                                         |
| 0.92         | 66.85    | 3.52                                                                         | 182                                                                                | 88.04                          | 90.22  | 89.06  | 1.02                                     | 0.98                             | 0.96                                         |
| 0.67         | 77.21    | 15.12                                                                        | 186                                                                                | 97.42                          | 98.34  | 97.87  | 1.01                                     | 1.07                             | 1.05                                         |
| 3.53         | 103.52   | 1.80                                                                         | 163                                                                                | 96.85                          | 98.58  | 97.65  | 1.02                                     | 0.98                             | 0.96                                         |
| 0.77         | 88.59    | 0.00                                                                         | 184                                                                                | 127.41                         | 127.57 | 127.48 | 1.00                                     | 1.00                             | 0.91                                         |
| 0.59         | 80.40    | 0.38                                                                         | 283                                                                                | 142.89                         | 150.03 | 146.39 | 1.05                                     | 1.18                             | 1.16                                         |
| 1.11         | 120.68   | 0.00                                                                         | 204                                                                                | 123.30                         | 121.39 | 122.37 | 0.98                                     | 1.06                             | 1.11                                         |
| 0.28         | 70.17    | 0.00                                                                         | 171                                                                                | 87.96                          | 91.60  | 89.70  | 1.04                                     | 1.07                             | 1.06                                         |
| 0.52         | 75.34    | 41.18                                                                        | 166                                                                                | 96.63                          | 95.21  | 95.94  | 0.99                                     | 0.99                             | 0.98                                         |
| 1.98         | 126.68   | 0.00                                                                         | 158                                                                                | 92.39                          | 100.07 | 95.74  | 1.08                                     | 1.05                             | 1.05                                         |
| 0.70         | 85.98    | 17.52                                                                        | 194                                                                                | 97.12                          | 97.65  | 97.36  | 1.01                                     | 0.92                             | 0.82                                         |
| 0.85         | 110.06   | 0.00                                                                         | 181                                                                                | 108.64                         | 106.94 | 107.81 | 0.98                                     | 1.13                             | 1.20                                         |
| 2.96         | 115.92   | 0.93                                                                         | 141                                                                                | 91.96                          | 93.05  | 92.48  | 1.01                                     | 1.05                             | 1.23                                         |
| 0.50         | 79.56    | 0.00                                                                         | 171                                                                                | 110.75                         | 113.32 | 112.00 | 1.02                                     | 1.07                             | 0.98                                         |
| 0.29         | 69.43    | 0.09                                                                         | 184                                                                                | 76.27                          | 85.67  | 80.58  | 1.12                                     | 0.96                             | 0.92                                         |
| 0.82         | 120.64   | 0.02                                                                         | 187                                                                                | 91.96                          | 92.20  | 92.07  | 1.00                                     | 1.00                             | 1.05                                         |
| 0.90         | 85.12    | 0.00                                                                         | 155                                                                                | 98.02                          | 103.59 | 100.72 | 1.06                                     | 1.27                             | 1.22                                         |
| 1.63         | 88.90    | 100.0                                                                        | 172                                                                                | 90.78                          | 95.58  | 93.03  | 1.05                                     | 1.03                             | 1.02                                         |

Neg. Negligible \* provisional

## SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| State                    | Pupil -Teacher Ratio <sup>@@*</sup> |                                      |                               |                                        | Drop- Out Rates <sup>@@*</sup> |       |                                      |       |                               |       |
|--------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------------|--------------------------------|-------|--------------------------------------|-------|-------------------------------|-------|
|                          | Primary Level<br>(Std I-V)          | Upper Primary level<br>(Std VI-VIII) | Secondary Level<br>(Std IX-X) | Higher secondary Level<br>(Std XI-XII) | Primary Level<br>(Std I-V)     |       | Upper Primary Level<br>(Std VI-VIII) |       | Secondary Level<br>(Std IX-X) |       |
|                          |                                     |                                      |                               |                                        | Boys                           | Girls | Boys                                 | Girls | Boys                          | Girls |
| Reference Year /<br>Date | (2017-18)                           |                                      |                               |                                        |                                |       |                                      |       |                               |       |
| (1)                      | (96)                                | (97)                                 | (98)                          | (99)                                   | (100)                          | (101) | (102)                                | (103) | (104)                         | (105) |
| Andhra Pradesh           | 23.32                               | 28.85                                | 18.63                         | 34.99                                  | -                              | -     | -                                    | 0.55  | 24.21                         | 21.43 |
| Telangana ^              | 27.61                               | 37.36                                | 11.35                         | 46.31                                  | 3.95                           | 3.07  | 3.09                                 | 2.12  | 19.01                         | 15.16 |
| Arunachal Pradesh        | 13.52                               | 12.37                                | 17.21                         | 26.40                                  | 10.00                          | 6.14  | 6.89                                 | 7.57  | 20.69                         | 17.20 |
| Assam                    | 22.22                               | 13.95                                | 12.82                         | 18.33                                  | 11.22                          | 8.92  | 6.15                                 | 4.62  | 32.08                         | 35.17 |
| Bihar                    | 78.52                               | 19.13                                | 57.67                         | 47.58                                  | 5.24                           | 4.87  | 13.30                                | 13.27 | 30.34                         | 33.72 |
| Jharkhand                | 31.74                               | 26.27                                | 58.08                         | 81.96                                  | -                              | -     | 0.18                                 | -     | 8.24                          | 10.73 |
| Delhi                    | 37.03                               | 26.92                                | 29.61                         | 20.50                                  | -                              | -     | 1.55                                 | 1.56  | 18.85                         | 16.03 |
| Goa                      | 26.90                               | 24.46                                | 12.66                         | 19.09                                  | -                              | -     | -                                    | -     | 10.21                         | 3.96  |
| Gujarat                  | 28.82                               | 26.95                                | 32.94                         | 27.09                                  | 1.31                           | 2.07  | 5.56                                 | 9.83  | 21.77                         | 18.97 |
| Haryana                  | 24.30                               | 26.97                                | 15.06                         | 12.95                                  | -                              | -     | -                                    | 1.17  | 13.75                         | 13.07 |
| Himachal Pradesh         | 15.51                               | 12.27                                | 15.32                         | 11.58                                  | 0.17                           | -     | 0.41                                 | 0.73  | 7.49                          | 5.31  |
| Jammu & Kashmir          | 21.85                               | 6.81                                 | 13.80                         | 28.19                                  | 3.64                           | 2.17  | 1.90                                 | 0.48  | 4.07                          | 2.53  |
| Karnataka                | 32.53                               | 24.02                                | 16.36                         | 37.35                                  | 1.97                           | 1.36  | 2.51                                 | 2.70  | 26.41                         | 21.92 |
| Kerala                   | 25.93                               | 21.25                                | 15.54                         | 20.18                                  | -                              | 0.31  | -                                    | 0.03  | 14.48                         | 9.47  |
| Madhya Pradesh           | 30.38                               | 17.66                                | 34.74                         | 38.69                                  | 4.36                           | 3.55  | 5.67                                 | 7.24  | 24.15                         | 24.24 |
| Chhattisgarh             | 21.49                               | 20.47                                | 30.69                         | 26.89                                  | 2.23                           | 1.46  | 5.06                                 | 4.91  | 21.94                         | 18.21 |
| Maharashtra              | 28.42                               | 29.94                                | 25.00                         | 43.55                                  | 0.18                           | 0.21  | 1.30                                 | 2.22  | 12.90                         | 12.17 |
| Manipur                  | 12.88                               | 11.94                                | 10.38                         | 15.71                                  | 3.01                           | 3.85  | -                                    | 1.16  | 4.12                          | 7.82  |
| Meghalaya                | 21.93                               | 13.37                                | 10.99                         | 20.29                                  | 2.73                           | 0.71  | 6.43                                 | 5.44  | 17.34                         | 17.60 |
| Mizoram                  | 16.17                               | 7.04                                 | 8.75                          | 12.76                                  | 8.56                           | 7.41  | 8.22                                 | 5.63  | 22.61                         | 16.87 |
| Nagaland                 | 14.73                               | 7.96                                 | 11.51                         | 18.01                                  | 4.97                           | 4.27  | 3.82                                 | 3.94  | 13.53                         | 12.92 |
| Odisha                   | 19.61                               | 25.30                                | 19.52                         | 39.14                                  | 6.01                           | 5.62  | 5.88                                 | 4.83  | 28.72                         | 27.83 |
| Punjab                   | 23.53                               | 21.19                                | 12.91                         | 19.53                                  | 3.03                           | 2.79  | 4.08                                 | 3.98  | 13.65                         | 10.76 |
| Rajasthan                | 27.55                               | 19.81                                | 21.42                         | 24.28                                  | 3.33                           | 3.50  | 2.25                                 | 3.35  | 10.33                         | 10.78 |
| Sikkim                   | 8.54                                | 6.75                                 | 14.53                         | 13.75                                  | -                              | -     | 1.90                                 | -     | 18.34                         | 14.09 |
| Tamil Nadu               | 21.92                               | 21.34                                | 19.30                         | 22.88                                  | 5.85                           | 6.03  | 8.83                                 | 9.44  | 19.40                         | 12.97 |
| Tripura                  | 14.04                               | 16.20                                | 21.01                         | 9.78                                   | 1.10                           | 0.70  | 3.35                                 | 1.87  | 27.06                         | 27.26 |
| Uttar Pradesh            | 37.05                               | 27.22                                | 47.73                         | 80.94                                  | 7.23                           | 7.12  | 5.04                                 | 9.77  | 18.66                         | 19.47 |
| Uttarakhand              | 17.81                               | 22.44                                | 14.91                         | 20.92                                  | 3.38                           | 3.41  | 2.14                                 | 2.77  | 11.90                         | 10.74 |
| West Bengal              | 21.60                               | 29.45                                | 38.05                         | 53.71                                  | 1.30                           | -     | 0.46                                 | -     | 14.12                         | 15.09 |
| India <sup>§</sup>       | 29.30                               | 22.54                                | 24.67                         | 33.21                                  | 3.68                           | 3.32  | 4.49                                 | 5.57  | 18.62                         | 18.39 |

§ Includes Union Territories      ^ Included in Andhra Pradesh unless specifically mentioned      @@ Based on Educational stage  
 N A Not Available      \* provisional      (“-”) Negative drop-out rates have not been reported.

## SELECTED SOCIO-ECONOMIC INDICATORS OF STATES IN INDIA

| Average number of Teachers per school* | Percentage of female Teachers* | Per cent of children fully immunised | Mean age at effective marriage (females) | Total Fertility Rate | Maternal Mortality Ratio | Crimes against women (no.) | Crimes against children (no.) | Number of fair price / ration shops per lakh population | Percentage of population Below Poverty Line |
|----------------------------------------|--------------------------------|--------------------------------------|------------------------------------------|----------------------|--------------------------|----------------------------|-------------------------------|---------------------------------------------------------|---------------------------------------------|
| (2017-18)                              | (2017-18)                      | (2015-16)                            | (2017)                                   | (2017)               | (2015-17)                | (2018)                     | (2018)                        | (14-01-2020)                                            | (2011-12)                                   |
| (106)                                  | (107)                          | (108)                                | (109)                                    | (110)                | (111)                    | (112)                      | (113)                         | (114)                                                   | (115)                                       |
| 4.7                                    | 48.88                          | 65.3                                 | 22.0                                     | 1.6                  | 74                       | 16,438                     | 2,672                         | 55                                                      | 9.20                                        |
| 6.1                                    | 53.09                          | 68.1                                 | 22.0                                     | 1.7                  | 76                       | 16,027                     | 3,747                         | 46                                                      | -                                           |
| 5.7                                    | 45.51                          | 38.2                                 | N.A.                                     | N.A.                 | N.A                      | 368                        | 166                           | 129                                                     | 34.67                                       |
| 5.2                                    | 37.95                          | 47.1                                 | 22.3                                     | 2.3                  | 229                      | 27,728                     | 5,447                         | 111                                                     | 31.98                                       |
| 6.4                                    | 40.60                          | 61.7                                 | 21.8                                     | 3.2                  | 165                      | 16,920                     | 7,340                         | 39                                                      | 33.74                                       |
| 4.2                                    | 38.13                          | 61.9                                 | 21.9                                     | 2.5                  | 76                       | 7,083                      | 1,479                         | 68                                                      | 36.96                                       |
| 24.3                                   | 72.93                          | 66.4                                 | 23.7                                     | 1.5                  | N.A                      | 13,640                     | 8,246                         | 11                                                      | 9.91                                        |
| 8.1                                    | 81.10                          | 88.4                                 | N.A.                                     | N.A.                 | N.A                      | 362                        | 182                           | 30                                                      | 5.09                                        |
| 7.5                                    | 57.12                          | 50.4                                 | 22.5                                     | 2.2                  | 87                       | 8,329                      | 4,929                         | 25                                                      | 16.63                                       |
| 9.9                                    | 59.00                          | 62.2                                 | 22.5                                     | 2.2                  | 98                       | 14,326                     | 4,869                         | 33                                                      | 11.16                                       |
| 5.5                                    | 49.44                          | 69.5                                 | 23.4                                     | 1.6                  | N.A                      | 1,633                      | 772                           | 67                                                      | 8.06                                        |
| 5.6                                    | 46.64                          | 75.1                                 | 25.1                                     | 1.6                  | N.A                      | 3,437                      | 473                           | 47                                                      | 10.35                                       |
| 4.9                                    | 60.33                          | 62.6                                 | 22.3                                     | 1.7                  | 97                       | 13,514                     | 6,131                         | 30                                                      | 20.91                                       |
| 15.3                                   | 79.01                          | 82.1                                 | 23.2                                     | 1.7                  | 42                       | 10,461                     | 4,253                         | 41                                                      | 7.05                                        |
| 3.8                                    | 44.87                          | 53.6                                 | 21.4                                     | 2.7                  | 188                      | 28,942                     | 18,992                        | 30                                                      | 31.65                                       |
| 4.2                                    | 43.84                          | 76.4                                 | 21.8                                     | 2.4                  | 141                      | 8,587                      | 6,924                         | 43                                                      | 39.93                                       |
| <b>6.8</b>                             | <b>40.79</b>                   | <b>56.3</b>                          | <b>22.5</b>                              | <b>1.7</b>           | <b>55</b>                | <b>35,497</b>              | <b>18,892</b>                 | <b>43<sup>#</sup></b>                                   | <b>17.35</b>                                |
| 9.4                                    | 53.57                          | 65.8                                 | N.A.                                     | N.A.                 | N.A                      | 271                        | 128                           | 86                                                      | 36.89                                       |
| 3.4                                    | 56.22                          | 61.5                                 | N.A.                                     | N.A.                 | N.A                      | 571                        | 385                           | 146                                                     | 11.87                                       |
| 5.7                                    | 46.89                          | 50.5                                 | N.A.                                     | N.A.                 | N.A                      | 249                        | 198                           | 105                                                     | 20.40                                       |
| 11.4                                   | 52.21                          | 35.7                                 | N.A.                                     | N.A.                 | N.A                      | 75                         | 70                            | 78                                                      | 18.88                                       |
| 4.8                                    | 46.24                          | 78.6                                 | 21.9                                     | 1.9                  | 168                      | 20,274                     | 5,217                         | 29                                                      | 32.59                                       |
| 9.4                                    | 74.98                          | 89.1                                 | 23.5                                     | 1.6                  | 122                      | 5,302                      | 2,308                         | 58                                                      | 8.26                                        |
| 6.5                                    | 36.44                          | 54.8                                 | 21.5                                     | 2.6                  | 186                      | 27,866                     | 5,150                         | 33                                                      | 14.71                                       |
| 11.6                                   | 57.57                          | 83.0                                 | N.A.                                     | N.A.                 | N.A                      | 172                        | 221                           | 204                                                     | 8.19                                        |
| 9.8                                    | 74.53                          | 69.7                                 | 23.0                                     | 1.6                  | 63                       | 5,822                      | 4,155                         | 46                                                      | 11.28                                       |
| 9.9                                    | 30.30                          | 54.5                                 | N.A.                                     | N.A.                 | N.A                      | 907                        | 271                           | 45                                                      | 14.05                                       |
| 4.4                                    | 41.79                          | 51.1                                 | 22.2                                     | 3.0                  | 216                      | 59,445                     | 19,936                        | 36                                                      | 29.43                                       |
| 5.0                                    | 52.75                          | 57.7                                 | 22.3                                     | 1.9                  | 89                       | 2,817                      | 1,306                         | 88                                                      | 11.26                                       |
| 6.3                                    | 43.26                          | 84.4                                 | 21.2                                     | 1.6                  | 94                       | 30,394                     | 6,286                         | 21                                                      | 19.98                                       |
| <b>5.8</b>                             | <b>49.21</b>                   | <b>62.0</b>                          | <b>22.1</b>                              | <b>2.2</b>           | <b>122</b>               | <b>3,78,277</b>            | <b>1,41,764</b>               | <b>40</b>                                               | <b>21.92</b>                                |

N A Not Available

# As on 31<sup>st</sup> December, 2019

\* provisional





<http://mahades.maharashtra.gov.in>

