सत्यमेव जयते

# EnviStats India 2019

# पर्यावरण सांख्यिकी



## Vol.I: Environment Statistics

GOVERNMENT OF INDIA
MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION
CENTRAL STATISTICS OFFICE
(SOCIAL STATISTICS DIVISION)
www.mospi.gov.in

@ Government of India, 2019

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## Introduction

The story of growth across several civilizations has followed similar paths, though maybe, with varying milestones. The most significant turning point of the Indian story has been its attainment of independence. Sixty years hence, India has made remarkable achievements in science and technology. For instance, in the context of agricultural production, activities under the umbrella of Green Revolution converted India from being an importer of food grains to that of an exporter. An important consequence of these developmental activities across the globe is the changed pattern of land use. There is no doubt that bringing more land under food crops for the ever increasing population has saved mankind from hunger and pestilence. However, activities such as construction of huge dams, establishment of power plants and industrial units, while changing the economic and socio-cultural life of the people, have also affected the relationship between man and nature. Destruction of forests for extension of land for agricultural purpose, for making buildings, roads and other construction has led to the extinction of a number of plant and animal species affecting the food web and is also responsible for environmental / ecological imbalance. Adding to the woes is the heavy rush of population from villages to urban areas which has resulted in over-crowding of cities. All these have led to the disturbance in corresponding recycling system which then gets manifested as pollution.

2. The worsening of environmental health is, in fact, rendering considerable economic loss and warrants serious attention of all – policymakers, administrators, scientists and people – to save the environment and humanity and to provide generational equity. These environmental issues are neither confined to any country or continent nor is it limited to the developing or the developed world. Therefore, the United Nations and other global institutions have been paying attention towards environment management since decades. It has been realized that the sustainability of development depends considerably upon the management of the environment and hence the expenditure on environmental management today is, in fact, a compulsory investment for a safe future. United Nations has initiated several measures to coordinate the development of environmental policy by keeping the global environment under review and bringing emerging issues to the attention of the governments and the international communities for action.

3. The UN General Assembly in its 70$^{th}$ Session adopted an agenda, 'Transforming the World: 2030 Agenda for Sustainable Development', which includes 17 goals (referred to as Sustainable Development Goals or SDGs) and 169 targets. At the core of this agenda is the realisation that for any development intervention to be sustainable, it must take into account not only the social and economic effects, but also the environmental consequences it generates, and lead to conscious choices in view of the trade-offs, synergies and spin offs

it creates. With a view to stimulate action in areas of critical importance in line with the goals and targets of the 2030 Agenda, a global indicator framework has been formulated for monitoring the progress made towards achievement of the SDGs. More than half of the SDGs are directly environmental in focus or address the sustainability of natural resources; for instance, the goals related to food and agriculture, water and sanitation, human settlements, health, energy, climate change, sustainable consumption and production, oceans and terrestrial ecosystems. Not surprisingly, therefore, the latest framework for environment statistics has a strong linkage with the global SDG indicator framework. The correspondence between the environmentally-related global indicators prescribed under the SDGs and the Basic Set of Environment Statistics (BSES) contained in the Framework for the Development of Environment Statistics (FDES 2013) as suggested by UNSD is given at **Appendix-I**.

4. In the Indian context, out of the total 306 indicators of the National Indicator Framework (NIF) defined for monitoring the SDGs, 116 indicators are closely related to environment. The total number of indicators pertaining to the different SDGs in the NIF and the corresponding number of environment-related indicators is given in the table below:

**Table: SDG National Indicators and Environmental Indicators**

| SDGs | Total number of National Indicators | Environment-related National Indicators |
|---|---|---|
| 1 | 19 | 7 |
| 2 | 19 | 5 |
| 3 | 41 | 5 |
| 4 | 20 | - |
| 5 | 29 | - |
| 6 | 19 | 18 |
| 7 | 5 | 4 |
| 8 | 40 | 4 |
| 9 | 18 | 5 |
| 10 | 7 | - |
| 11 | 16 | 15 |
| 12 | 17 | 14 |
| 13 | 4 | 4 |
| 14 | 13 | 12 |
| 15 | 21 | 21 |
| 16 | 18 | - |
| 17 | - | - |
| **Total** | **306** | **116** |

Information related to many of these indicators of the NIF have been given in EnviStats-India, the mapping of which has been given in **Appendix-II**.

### Changes in this issue of EnviStats- India

5. In March 2018, the Ministry of Statistics and Programme Implementation, which has the mandate to compile and release publications on environment statistics, published EnviStats-India in the prescribed framework of FDES 2013. Subsequently, with the increasing demand to 'account' for the country's natural resources, a supplement on environment accounts was released in September 2018. To ensure that the latest datasets on various dimensions of environment are available to all stakeholders, both the publications have been conceptualised as annual publications. However, in order to enable distinguishing the two publications, both of which provide different viewpoints of the 'environment' around us, the two publications would be referred to as under:

EnviStats-India; Vol. I – Environment Statistics

EnviStats-India; Vol. II – Environment Accounts

6. The extant publication is organised in the same way as its predecessor, with the tables classified under six Chapters, each of them focusing on one of the six fundamental components of FDES 2013. The following paragraphs contain a brief description of the various chapters.

## Chapter 1

### FDES Component-1: Environmental Conditions and Quality

7. Component 1 of FDES covers statistics on different aspects of the environmental conditions like its meteorological, hydrographical, geological and geographical conditions, soil characteristics, land cover, extent of ecosystems, biodiversity and environmental quality. Statistics on these characteristics are vital since they depict environmental health and are crucial for any assessment of sustainability. The remaining five components of FDES - Environmental Resources and their Use, Residuals, Extreme events and disasters, human settlements and environmental health, Environment Protection, Management and Engagement – have been established based on their relationship with this central component, primarily because the impact of all the other components can be assessed using these statistics.

***Statements on Component 1: Environmental Conditions and Quality are numbered 1.01 to 1.57.***

## Chapter 2

### FDES Component 2: Environmental Resources and their Uses

8. Component 2 of FDES includes statistics on environmental resources and their use, with specific focus on their stocks and changes therein, as also their use for production and consumption so as to help policy formulation to ensure sustainable management of current and future use by the human sub-system.

***Statements on Component 2: Environmental Resources and their Uses are numbered 2.01 to 2.62.***

## Chapter 3

### FDES Component 3: Residuals

9. Statistics on pollution are covered under two Components of FDES. While Component 1 of FDES focusses on "environmental quality" and organizes statistics on the concentration of pollutants, Component 3 of FDES focusses on generation and management of pollution. It contains statistics on the amount and characteristics of residuals generated by human production and consumption processes, their management, and their final release to the environment. Residuals are defined as flows of solid, liquid and gaseous materials, and energy that are discarded, discharged or emitted by establishments and households through processes of production, consumption or accumulation. Data on the type of management of residuals- collection, treatment and recycling/reuse are included in this chapter.

***Statements on Component 3: Residuals are numbered 3.01 to 3.11.***

## Chapter 4

### FDES Component 4: Extreme Events and Disasters

10. Climate Change, disaster and sustainable development – the connections between these three seemingly different issues have become the topic for many of the national and international discussions. The anthropogenic climate change has now been proven to be the cause of increased extremes of heat and rainfall and the frequency and severity of the extreme events- heat waves, cold waves, floods and droughts- is likely to get worse. These disasters cannot be neglected for the disturbances they cause and the effect they have on people, their incomes, their livelihoods and local business, and therefore, it is important for the policy makers to take mitigation and adaptation action for the extreme events.

***Statements on Component 4: Extreme Events and Disasters are numbered 4.01 to 4.11.***

# Chapter 5

## FDES Component 5: Human Settlements and Environment Health

Component 5 of FDES 2013 encompasses the statistics related to two sub-components – human settlements and environmental health.

### 5.1 Human Settlements

11. The impact of human settlements on the natural environment increases as the population grows, urbanizes and consumes more. These interactions and effects are described using information on human population, housing conditions, access to selected basic services (e.g., water, sanitation, waste removal, energy and transport) and environmental concerns, especially those specific to urban settlements.

### 5.2 Environmental Health

12. Environmental health focuses on how environmental factors and processes impact and change human health. It can be defined as an interdisciplinary field that focuses on analysing the relationship between public health and the environment. Common measures of health problems within human populations include statistics on morbidity (incidence and prevalence) and mortality associated with specific types of diseases and conditions that are heavily influenced by environmental factors.

***Statements on Component 5: Human Settlements and Environment Health are numbered 5.01 to 5.28.***

# Chapter 6

## FDES Component 6: Environment Protection, Management and Regulation

13. Degradation of environment affects all nations. State boundaries are no guarantors to check the spread of pollution. Regulatory measures to protect and preserve environment do require laws at both national and international levels. Accordingly, national and international laws are supposed to work in tandem.

14. Component 6 of FDES recognizes the importance of synchronization of regulations and instruments. This component organizes information on the following key aspects of environmental governance:

6.1 Expenditure on environmental protection and resource management to improve the environment and maintain ecosystem health;

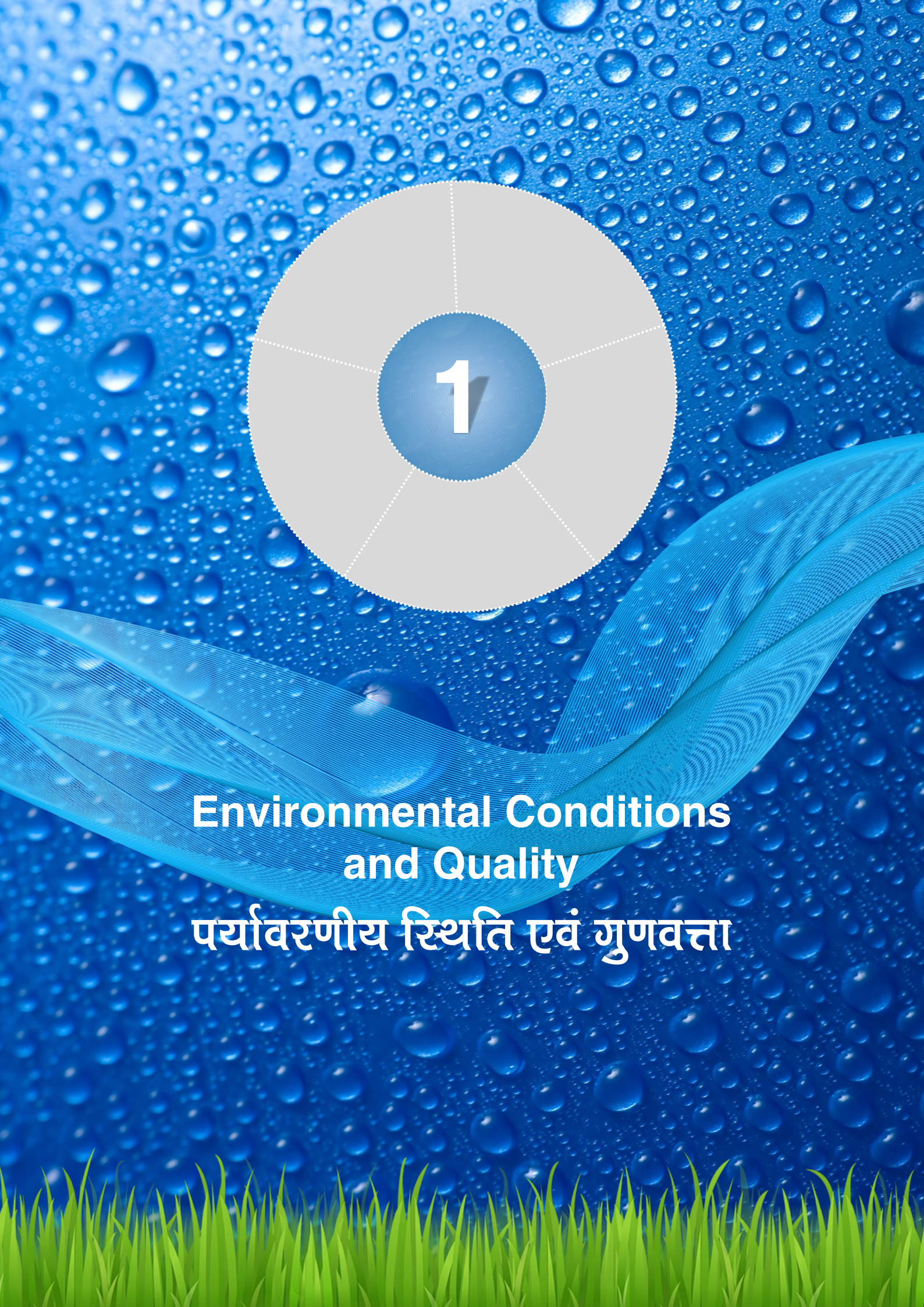
6.2 Statistics on environmental governance, institutional strength, enforcement of regulations and extreme event preparedness; and

6.3 Programmes and activities undertaken to increase awareness about environment, to diminish environmental impacts and to improve the quality of local environments.

***Statements on Component 6: Environment Protection, Management and Regulation are numbered 6.01 to 6.17.***

15. In this edition of EnviStats India, 2019, Vol. I: Environment Statistics, updated information at more disaggregated levels have been provided for the indicators, so that the areas warranting focused interventions could be identified for guiding prognosis and evaluation. However, recognising the fact that stakeholders are likely to demand more data when they are convinced of its usefulness, this publication envisages to draw the attention towards collection and compilation of more data on environment. This will provide the requisite impetus to strengthening the link between factor 'nature' and the policies and programmes of the government, thereby ensuring a "better environment, better tomorrow".

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# Environmental Conditions and Quality

# पर्यावरणीय स्थिति एवं गुणवत्ता

**Statement 1.01 : Annual and Seasonal Mean Temperature - India**

**विवरण 1.01 : वार्षिक एवं मौसमी औसत तापमान - भारत**

**Unit - (°C)/ईकाई - (°C)**

| Year<br>वर्ष | Annual<br>वार्षिक | Jan-Feb<br>जनवरी-फरवरी | Mar-May<br>मार्च-मई | June-Sept<br>जून-सितंबर | Oct-Dec<br>अक्टूबर-दिसंबर |
|---|---|---|---|---|---|
| 1901-10* | 25.26 | 20.37 | 27.36 | 27.85 | 22.98 |
| 1911-20* | 25.27 | 20.68 | 27.24 | 27.81 | 22.98 |
| 1921-30* | 25.40 | 20.69 | 27.71 | 27.83 | 22.97 |
| 1931-40* | 25.38 | 20.81 | 27.45 | 27.78 | 23.15 |
| 1941-50* | 25.38 | 20.58 | 27.60 | 27.90 | 23.01 |
| 1951-60* | 25.53 | 20.97 | 27.70 | 27.90 | 23.22 |
| 1961-70* | 25.44 | 20.81 | 27.55 | 27.88 | 23.17 |
| 1971-80 | 25.46 | 20.66 | 27.61 | 27.83 | 23.36 |
| 1981-90* | 25.57 | 20.93 | 27.56 | 28.03 | 23.38 |
| 1991-2000* | 25.73 | 21.09 | 27.76 | 28.12 | 23.60 |
| 2001 | 25.61 | 20.81 | 27.74 | 27.91 | 23.62 |
| 2002 | 25.75 | 20.76 | 28.03 | 28.16 | 23.58 |
| 2003 | 25.61 | 20.73 | 27.84 | 28.09 | 23.34 |
| 2004 | 25.66 | 20.80 | 28.12 | 28.02 | 23.32 |
| 2005 | 25.59 | 20.83 | 27.72 | 28.24 | 23.12 |
| 2006 | 25.73 | 21.43 | 27.70 | 28.01 | 23.60 |
| 2007 | 25.68 | 20.95 | 27.86 | 28.10 | 23.43 |
| 2008 | 25.56 | 20.29 | 27.71 | 27.84 | 23.87 |
| 2009 | 26.05 | 21.61 | 28.13 | 28.54 | 23.63 |
| 2010 | 26.04 | 21.13 | 28.91 | 28.19 | 23.59 |
| 2011 | 25.63 | 20.55 | 27.68 | 28.04 | 23.73 |
| 2012 | 25.61 | 20.40 | 27.83 | 28.25 | 23.35 |
| 2013 | 25.69 | 20.96 | 28.05 | 28.02 | 23.37 |
| 2014 | 25.74 | 20.56 | 27.63 | 28.56 | 23.55 |
| 2015 | 25.93 | 21.08 | 27.64 | 28.45 | 24.10 |
| 2016 | 26.21 | 21.83 | 28.66 | 28.34 | 23.84 |
| 2017 | 26.04 | 21.40 | 28.22 | 28.38 | 23.85 |
| 2018 | 25.90 | 21.27 | 28.17 | 28.27 | 23.57 |

Source: India Meteorological Department, Ministry of Earth Sciences/स्रोत : भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय |

* Denotes average for the period.

**Statement: 1.02 - Annual and Seasonal Minimum and Maximum Temperature - India**

**विवरण: 1.02 - वार्षिक एवं मौसमी न्यूनतम एवं अधिकतम तापमान - भारत**

**Unit - (°C)/ईकाई - (°C)**

| Year वर्ष | Annual वार्षिक | | Jan-Feb जनवरी-फरवरी | | Mar-May मार्च-मई | | June-Sept जून-सितंबर | | Oct-Dec अक्टूबर-दिसंबर | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Min न्यूनतम | Max अधिकतम | Min न्यूनतम | Max अधिकतम | Min न्यूनतम | Max अधिकतम | Min न्यूनतम | Max अधिकतम | Min न्यूनतम | Max अधिकतम |
| 1901-10* | 20.21 | 30.45 | 13.60 | 27.25 | 21.32 | 33.42 | 23.98 | 31.98 | 16.92 | 28.74 |
| 1911-20* | 20.18 | 30.31 | 14.37 | 26.71 | 21.01 | 33.61 | 23.94 | 32.11 | 17.47 | 28.98 |
| 1921-30* | 20.45 | 30.52 | 14.09 | 27.09 | 21.78 | 34.17 | 24.09 | 31.76 | 17.42 | 28.26 |
| 1931-40* | 20.47 | 30.34 | 14.94 | 26.62 | 21.72 | 33.42 | 24.13 | 31.64 | 17.54 | 28.71 |
| 1941-50* | 19.88 | 30.70 | 13.53 | 27.37 | 21.50 | 33.74 | 24.03 | 31.77 | 16.54 | 29.11 |
| 1951-60* | 20.45 | 30.72 | 14.40 | 27.52 | 21.56 | 33.90 | 23.91 | 31.84 | 17.18 | 29.20 |
| 1961-70* | 20.14 | 30.97 | 14.25 | 27.79 | 21.20 | 33.89 | 23.84 | 32.01 | 17.06 | 29.20 |
| 1971-80* | 19.93 | 30.93 | 13.94 | 27.38 | 21.41 | 33.96 | 23.61 | 32.42 | 17.13 | 29.31 |
| 1981-90* | 20.20 | 31.09 | 14.35 | 27.67 | 21.49 | 34.06 | 23.88 | 32.80 | 17.51 | 29.29 |
| 1991-2000* | 20.43 | 30.91 | 14.73 | 27.22 | 21.64 | 33.72 | 24.15 | 32.23 | 17.75 | 29.76 |
| 2001 | 20.45 | 30.77 | 14.58 | 27.03 | 22.04 | 33.44 | 24.10 | 31.72 | 17.92 | 29.32 |
| 2002 | 20.57 | 30.92 | 14.71 | 26.81 | 22.34 | 33.72 | 24.22 | 32.10 | 17.87 | 29.29 |
| 2003 | 20.49 | 30.74 | 14.78 | 26.68 | 22.13 | 33.55 | 24.22 | 31.96 | 17.67 | 29.00 |
| 2004 | 20.49 | 30.84 | 14.79 | 26.80 | 22.27 | 33.96 | 24.07 | 31.96 | 17.71 | 28.93 |
| 2005 | 20.42 | 30.76 | 14.99 | 26.66 | 21.92 | 33.51 | 24.24 | 32.23 | 17.44 | 28.79 |
| 2006 | 20.55 | 30.92 | 15.08 | 27.78 | 21.89 | 33.51 | 24.11 | 31.90 | 18.10 | 29.10 |
| 2007 | 20.51 | 30.85 | 14.87 | 27.02 | 22.03 | 33.68 | 24.32 | 31.87 | 17.65 | 29.21 |
| 2008 | 20.37 | 30.74 | 14.18 | 26.41 | 21.84 | 33.58 | 24.00 | 31.67 | 18.20 | 29.53 |
| 2009 | 20.74 | 31.37 | 15.34 | 27.89 | 22.15 | 34.12 | 24.40 | 32.67 | 18.04 | 29.21 |
| 2010 | 20.90 | 31.18 | 14.96 | 27.29 | 22.98 | 34.84 | 24.31 | 32.07 | 18.24 | 28.94 |
| 2011 | 20.36 | 30.89 | 14.34 | 26.75 | 21.74 | 33.62 | 24.16 | 31.93 | 17.93 | 29.53 |
| 2012 | 20.28 | 30.95 | 14.26 | 26.53 | 21.72 | 33.95 | 24.26 | 32.25 | 17.54 | 29.15 |
| 2013 | 20.53 | 30.84 | 14.87 | 27.04 | 22.05 | 34.05 | 24.21 | 31.83 | 17.89 | 28.84 |
| 2014 | 20.54 | 30.94 | 14.82 | 26.31 | 21.67 | 33.59 | 24.49 | 32.63 | 17.97 | 29.13 |
| 2015 | 20.75 | 31.11 | 15.10 | 27.05 | 21.94 | 33.34 | 24.37 | 32.53 | 18.51 | 29.69 |
| 2016 | 20.88 | 31.54 | 15.57 | 28.09 | 22.76 | 34.55 | 24.41 | 32.27 | 17.81 | 29.88 |
| 2017 | 20.77 | 31.31 | 15.11 | 27.69 | 22.30 | 34.13 | 24.40 | 32.37 | 18.18 | 29.51 |
| 2018 | 20.57 | 31.23 | 14.79 | 27.74 | 22.22 | 34.12 | 24.33 | 32.20 | 17.78 | 29.36 |

*Source: India Meteorological Department, Ministry of Earth Sciences/स्रोत : भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय |*

* Denotes min & max during the period.

## Statement 1.03: Annual and Monthly Rainfall - India
## विवरण 1.03: वार्षिक एवं मासिक वर्षा - भारत

**Unit -Millimetre/ ईकाई-मिलीमीटर**

| Year वर्ष | Jan जनवरी | Feb फ़रवरी | Mar मार्च | Apr अप्रैल | May मई | Jun जून | Jul जुलाई | Aug अगस्त | Sep सितम्बर | Oct अक्टू | Nov नवम्बर | Dec दिसम्बर | Annual वार्षिक |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1901-10* | 19.7 | 22.4 | 24.2 | 37.1 | 49.5 | 147.8 | 273.5 | 254.9 | 161.4 | 60.8 | 21.5 | 15.9 | 1088.7 |
| 1911-20* | 20.2 | 25.4 | 32.6 | 36.2 | 64.8 | 186.7 | 268.4 | 247.1 | 165.6 | 78.6 | 36.5 | 12.5 | 1174.6 |
| 1921-30* | 25.6 | 23.3 | 23.2 | 40.6 | 61.5 | 167.9 | 315.9 | 256.9 | 180.4 | 77.1 | 35.0 | 18.0 | 1225.3 |
| 1931-40* | 17.8 | 31.8 | 28.3 | 40.6 | 66.4 | 190.5 | 308.1 | 263.4 | 176.9 | 79.3 | 33.1 | 14.4 | 1250.5 |
| 1941-50* | 27.0 | 24.4 | 29.8 | 42.0 | 71.2 | 165.3 | 322.0 | 264.7 | 192.0 | 72.7 | 29.7 | 15.0 | 1255.7 |
| 1951-60* | 23.6 | 16.0 | 28.9 | 33.6 | 66.9 | 162.9 | 307.9 | 271.7 | 183.9 | 98.9 | 24.0 | 11.4 | 1229.8 |
| 1961-70* | 15.9 | 20.4 | 28.2 | 36.9 | 58.8 | 159.9 | 292.3 | 262.7 | 177.9 | 69.1 | 24.1 | 18.5 | 1164.4 |
| 1971-80* | 15.3 | 21.9 | 24.1 | 36.6 | 59.2 | 172.3 | 279.6 | 263.2 | 156.5 | 76.9 | 36.4 | 14.2 | 1156.2 |
| 1981-90* | 18.2 | 25.9 | 36.5 | 43.2 | 67.2 | 164.6 | 285.5 | 263.1 | 172.2 | 72.9 | 27.0 | 20.3 | 1196.5 |
| 1991-2000* | 20.0 | 23.3 | 28.0 | 34.7 | 64.8 | 171.6 | 289.9 | 256.2 | 167.2 | 78.9 | 30.2 | 15.6 | 1180.1 |
| 2001 | 7.2 | 10.3 | 21.3 | 45.5 | 61.3 | 215.1 | 281.1 | 210.0 | 109.2 | 97.7 | 18.5 | 6.0 | 1083.3 |
| 2002 | 16.8 | 21.0 | 22.9 | 38.9 | 57.7 | 170.1 | 138.9 | 246.2 | 133.9 | 54.4 | 14.7 | 5.2 | 920.8 |
| 2003 | 7.2 | 42.1 | 33.7 | 35.5 | 38.6 | 164.5 | 305.6 | 247.8 | 179.9 | 92.7 | 10.2 | 16.6 | 1174.5 |
| 2004 | 26.2 | 10.7 | 11.9 | 50.6 | 74.5 | 167.8 | 241.7 | 252.5 | 123.6 | 88.8 | 16.9 | 6.1 | 1071.3 |
| 2005 | 40.3 | 46.0 | 42.6 | 38.5 | 50.3 | 146.9 | 340.3 | 192.0 | 200.7 | 96.2 | 27.2 | 11.5 | 1232.5 |
| 2006 | 17.4 | 11.5 | 34.4 | 30.4 | 80.7 | 151.4 | 298.5 | 302.6 | 175.4 | 52.3 | 32.1 | 12.7 | 1199.4 |
| 2007 | 2.7 | 35.7 | 34.4 | 33.6 | 50.4 | 201.4 | 295.8 | 259.2 | 215.1 | 55.3 | 15.2 | 16.7 | 1215.6 |
| 2008 | 22.4 | 19.2 | 37.7 | 32.6 | 45.2 | 208.8 | 250.0 | 264.3 | 165.7 | 50.5 | 25.1 | 10.8 | 1132.1 |
| 2009 | 11.8 | 13.2 | 15.2 | 26.0 | 56.6 | 86.5 | 283.7 | 191.9 | 140.3 | 70.1 | 53.2 | 10.8 | 959.3 |
| 2010 | 7.5 | 16.3 | 16.6 | 42.1 | 69.0 | 140.9 | 293.6 | 272.3 | 195.6 | 67.7 | 56.7 | 22.1 | 1200.5 |
| 2011 | 7.7 | 26.3 | 21.4 | 41.0 | 51.6 | 182.8 | 243.0 | 284.6 | 190.5 | 36.5 | 18.4 | 6.5 | 1110.1 |
| 2012 | 28.5 | 10.8 | 10.6 | 48.5 | 32.1 | 125.0 | 258.1 | 263.9 | 197.7 | 59.8 | 28.9 | 9.6 | 1073.5 |
| 2013 | 10.0 | 36.9 | 14.5 | 29.4 | 56.5 | 217.9 | 305.4 | 248.4 | 148.4 | 128.9 | 13.7 | 6.2 | 1216.2 |
| 2014 | 17.3 | 25.9 | 32.6 | 20.2 | 72.8 | 95.5 | 258.8 | 237.9 | 187.9 | 60.9 | 13.5 | 10.4 | 1033.7 |
| 2015 | 17.4 | 21.0 | 62.0 | 69.4 | 53.8 | 192.8 | 242.4 | 205.2 | 131.8 | 42.9 | 39.4 | 15.0 | 1093.2 |
| 2016 | 7.8 | 10.1 | 30.8 | 31.4 | 68.1 | 147.6 | 309.2 | 239.6 | 168.0 | 54.5 | 7.7 | 8.4 | 1083.1 |
| 2017 | 26.9 | 12.4 | 29.0 | 44.3 | 56.1 | 172.5 | 290.5 | 229.6 | 153.3 | 81.5 | 14.7 | 16.2 | 1127.1 |
| 2018 | 28.5 | 10.8 | 10.6 | 48.5 | 32.1 | 125.0 | 258.1 | 263.9 | 197.7 | 59.8 | 28.9 | 9.6 | 1073.5 |

*Source: India Meteorological Department, Ministry of Earth Sciences/स्रोत : भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय |*

* Denotes average for the period.

## Statement 1.04: Monsoon performance as departure from long-term mean
## विवरण 1.04: दीर्घावधिक औसत से प्रस्थान के रूप में मानसून का प्रदर्शन

**(June-September/जून-सितंबर)**

| Sl. No. क्र. सं. | Year वर्ष | Number of Meteorological Sub-Divisions मौसम विज्ञानी उप मंडलों की संख्या | | | Percentage of Long Period Average Rainfall for the Country as a Whole देश के लिए पूर्णरूपेण दीर्घावधिक औसत वर्षा का प्रतिशत |
|---|---|---|---|---|---|
| | | Normal सामान्य | Large Excess/Excess (LE/E) विस्तृत अतिरिक्त/ अतिरिक्त | Deficient/Large Deficient (D/LD) अपूर्ण/विस्तृत अपूर्ण | |
| 1 | 1998 | 22 | 11 | 2 | 105 |
| 2 | 1999 | 25 | 3 | 7 | 96 |
| 3 | 2000 | 23 | 5 | 7 | 92 |
| 4 | 2001 | 28 | 1 | 6 | 91 |
| 5 | 2002 | 14 | 1 | 21 | 81 |
| 6 | 2003 | 23 | 8 | 5 | 105 |
| 7 | 2004 | 23 | 0 | 13 | 87 |
| 8 | 2005 | 24 | 8 | 4 | 99 |
| 9 | 2006 | 21 | 6 | 9 | 100 |
| 10 | 2007 | 18 | 13 | 5 | 106 |
| 11 | 2008 | 31 | 2 | 3 | 98 |
| 12 | 2009 | 11 | 3 | 22 | 78 |
| 13 | 2010 | 17 | 14 | 5 | 102 |
| 14 | 2011 | 26 | 7 | 3 | 102 |
| 15 | 2012 | 22 | 1 | 13 | 93 |
| 16 | 2013 | 16 | 14 | 6 | 106 |
| 17 | 2014 | 24 | 1 | 11 | 88 |
| 18 | 2015 | 19 | 1 | 16 | 86 |
| 19 | 2016 | 22 | 4 | 10 | 97 |
| 20 | 2017 | 25 | 5 | 6 | 95 |
| 21 | 2018 | 23 | 1 | 12 | 91 |

*Source : India Meteorological Department, Ministry of Earth Sciences/स्रोत : भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय।*

**Category: % Age from LPA(Long Period Average)**

| | | | |
|---|---|---|---|
| LE : Large Excess | +60% or more | D : Deficient | -20% to -59% |
| E : Excess | +20% to +59% | LD :Large Deficient | -60% to -90% |
| N: Normal | +19% to -19% | NR : No Rain | -100% |

**Statement 1.05 : Sub divisional Actual and Normal rainfall**

**विवरण 1.05 : उप मंडलीय वास्तविक एवं सामान्य वर्षा**

**Unit -Millimetre/ ईकाई-मिलीमीटर**

| Sl. No. क्र. सं. | Meteorological Sub-divisions | 2015 | | 2016 | | 2017 | | 2018 | | मौसम विज्ञानी उप-मंडल |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Actual वास्तविक | Normal सामान्य | Actual वास्तविक | Normal सामान्य | Actual वास्तविक | Normal सामान्य | Actual वास्तविक | Normal सामान्य | |
| **East & North India** | | | | | | | | | | **पूर्वी एवं उत्तर भारत** |
| 1 | Arunachal Pradesh | 2593.2 | 2933.7 | 2706.9 | 2933.7 | 1583.5 | 1768.0 | 1198.4 | 1768.0 | अरुणाचल प्रदेश |
| 2 | Assam and Meghalaya | 2509.4 | 2624.9 | 2266.9 | 2624.9 | 1742.7 | 1792.8 | 1322.9 | 1792.8 | असम एवं मेघालय |
| 3 | Bihar | 874.0 | 1205.6 | 1158.0 | 1205.6 | 936.8 | 1027.6 | 770.8 | 1027.6 | बिहार |
| 4 | Gangetic West Bengal | 1507.7 | 1527.2 | 1427.0 | 1527.2 | 1138.9 | 1167.9 | 936.8 | 1167.9 | पश्चिम बंगाल में गंगा का तराई क्षेत्र |
| 5 | Jharkhand | 1085.6 | 1296.3 | 1264.0 | 1296.3 | 988.2 | 1091.9 | 784.3 | 1091.9 | झारखंड |
| 6 | Nagaland, Mizoram, Manipur & Tripura | 1947.4 | 2278.0 | 1956.4 | 2278.0 | 1829.8 | 1496.9 | 1258.4 | 1496.9 | नागालैंड, मिजोरम, मणिपुर एवं त्रिपुरा |
| 7 | Sub-Himalayan West Bengal & Sikkim | 2501.7 | 2708.9 | 2624.8 | 2708.9 | 2047.3 | 2006.2 | 1740.6 | 2006.2 | उप हिमालयी पश्चिम बंगाल एवं सिक्किम |
| **North West India** | | | | | | | | | | **उत्तर पश्चिम भारत** |
| 1 | Haryana, Chandigarh & Delhi | 437.8 | 562.8 | 398.7 | 562.8 | 359.4 | 466.3 | 423.1 | 466.3 | हरियाणा, चंडीगढ़ एवं दिल्ली |
| 2 | Himachal Pradesh | 1223.2 | 1373.9 | 444.0 | 1373.9 | 715.7 | 825.3 | 917.3 | 825.3 | हिमाचल प्रदेश |
| 3 | Jammu & Kashmir | 1572.6 | 1205.3 | 902.8 | 1205.3 | 543.9 | 534.6 | 597.3 | 534.6 | जम्मू एवं कश्मीर |
| 4 | Punjab | 512.6 | 635.9 | 398.7 | 635.9 | 390.1 | 491.9 | 527.4 | 491.9 | पंजाब |
| 5 | East Uttar Pradesh | 603.6 | 1018.6 | 871.7 | 1018.6 | 650.0 | 897.6 | 758.0 | 897.6 | पूर्वी उत्तर प्रदेश |
| 6 | West Uttar Pradesh | 586.4 | 886.2 | 692.8 | 886.2 | 365.9 | 263.2 | 774.7 | 769.4 | पश्चिमी उत्तर प्रदेश |
| 7 | Uttarakhand | 1247.6 | 1580.9 | 1308.0 | 1580.9 | 1199.0 | 1229.1 | 1194.3 | 1229.1 | उत्तराखंड |
| 8 | East Rajasthan | 650.6 | 671.3 | 860.6 | 671.3 | 566.9 | 615.8 | 635.3 | 615.8 | पूर्वी राजस्थान |
| 9 | West Rajasthan | 458.6 | 299.2 | 247.0 | 299.2 | 536.5 | 769.4 | 201.7 | 263.2 | पश्चिमी राजस्थान |
| **Central India** | | | | | | | | | | **मध्य भारत** |
| 1 | Odisha | 1210.1 | 1460.5 | 1253.5 | 1460.5 | 1053.1 | 1149.9 | 1290.2 | 1149.9 | ओडिशा |
| 2 | West Madhya Pradesh | 1045.4 | 956.3 | 1098.0 | 956.3 | 738.0 | 876.1 | 837.6 | 876.1 | पश्चिमी मध्य प्रदेश |
| 3 | East Madhya Pradesh | 943.5 | 1169.4 | 1340.0 | 1169.4 | 795.8 | 1051.2 | 919.3 | 1051.2 | पूर्वी मध्य प्रदेश |
| 4 | Gujarat Region | 677.6 | 943.4 | 764.9 | 956.9 | 997.7 | 914.7 | 696.1 | 914.7 | गुजरात संभाग |
| 5 | Saurashtra, Kutch | 516.1 | 507.0 | 482.9 | 511.3 | 645.8 | 477.5 | 316.0 | 477.5 | सौराष्ट्र, कच्छ |
| 6 | Konkan & Goa | 2191.5 | 3100.2 | 3663.9 | 3101.1 | 3213.8 | 2914.7 | 2883.4 | 2914.7 | कोकंण एवं गोवा |
| 7 | Madhya Maharashtra | 629.5 | 876.8 | 906.3 | 876.8 | 852.3 | 729.3 | 665.4 | 729.3 | मध्य महाराष्ट्र |
| 8 | Marathwada | 532.8 | 821.6 | 949.0 | 821.6 | 642.1 | 682.9 | 534.6 | 682.9 | मराठवाडा |
| 9 | Vidarbha | 993.7 | 1084.5 | 1163.0 | 1084.5 | 731.5 | 954.6 | 875.4 | 954.6 | विदार्भ |
| 10 | Chhattisgarh | 1136.0 | 1290.7 | 1315.8 | 1298.9 | 1041.2 | 1153.3 | 1101.5 | 1153.3 | छत्तीसगढ़ |
| **South Peninsula** | | | | | | | | | | **दक्षिणी प्रायद्वीप** |
| 1 | Andaman & Nicobar Islands | 2904.4 | 2926.3 | 2851.9 | 2926.3 | 1526.0 | 1682.5 | 1569.2 | 1682.5 | अंडमान एवं निकोबार द्वीपसमूह |
| 2 | Coastal Andhra Pradesh | 987.9 | 1024.2 | 908.9 | 1024.2 | 668.8 | 581.1 | 581.1 | 581.1 | तटीय आंध्र प्रदेश |
| 3 | Telangana | 747.9 | 942.6 | 1043.4 | 942.6 | 664.9 | 755.2 | 741.1 | 759.2 | तेलंगाना |
| 4 | Rayalaseema | 875.6 | 706.1 | 555.4 | 706.1 | 507.2 | 398.3 | 252.6 | 398.3 | रायलसीमा |
| 5 | Tamilnadu & Puducherry | 1204.5 | 914.4 | 535.0 | 914.4 | 414.6 | 317.2 | 290.7 | 317.2 | तमिलनाडु एवं पुद्दुचेरी |
| 6 | Coastal Karnataka | 2757.3 | 3526.3 | 2619.7 | 3526.3 | 2593.2 | 3083.8 | 3060.2 | 3083.8 | तटीय कर्नाटक |
| 7 | North Interior Karnataka | 549.9 | 740.3 | 625.0 | 740.3 | 520.5 | 506.0 | 358.0 | 506.0 | उत्तरी आंतरिक कर्नाटक |
| 8 | South Interior Karnataka | 1083.8 | 1019.2 | 687.3 | 1019.2 | 665.2 | 660.0 | 686.7 | 660.0 | दक्षिणी आंतरिक कर्नाटक |
| 9 | Kerala | 2602.9 | 2924.3 | 1870.9 | 2924.3 | 1856.5 | 2039.6 | 2517.3 | 2039.6 | केरल |
| 10 | Lakshadweep | 1640.0 | 1600.0 | 1065.7 | 1600.0 | 1108.3 | 998.5 | 553.2 | 998.5 | लक्षद्वीप |

*Source : India Meteorological Department, Ministry of Earth Sciences/स्रोत : भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय |*

**Statement 1.06 : (a) State-wise rainfall distribution of districts**

**विवरण 1.06 : (क) जिलों का राज्यवार वर्षा वितरण**

**Season: Monsoon/मौसम: मानसून, 2018**

| Sl. No. क्र. सं. | State/UT | SEASON/मौसम | | | MONSOON/मानसून 2018 | | | | | % of normal rainfall सामान्य वर्षा का प्रतिशत | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LE | E | N | D | LD | NR | ND | Total कुल | | |
| 1 | Andhra Pradesh | | 2 | 5 | 6 | | | | 13 | 38 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 1 | | 3 | 7 | 2 | | 3 | 16 | 19 | अरुणाचल प्रदेश |
| 3 | Assam | | 2 | 12 | 11 | | | 2 | 27 | 44 | असम |
| 4 | Bihar | | 1 | 9 | 28 | | | | 38 | 24 | बिहार |
| 5 | Chhattisgarh | | 3 | 18 | 6 | | | | 27 | 67 | छत्तीसगढ़ |
| 6 | Delhi | | 2 | 5 | 2 | | | | 9 | 56 | दिल्ली |
| 7 | Goa | | | 2 | | | | | 2 | 100 | गोवा |
| 8 | Gujarat | 1 | | 10 | 19 | 3 | | | 33 | 30 | गुजरात |
| 9 | Haryana | | 2 | 11 | 8 | | | | 21 | 52 | हरियाणा |
| 10 | Himachal Pradesh | | 7 | 2 | 3 | | | | 12 | 17 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 2 | 8 | 6 | 2 | 1 | | 3 | 22 | 27 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | | | 7 | 17 | | | | 24 | 29 | झारखंड |
| 13 | Karnataka | | 3 | 11 | 15 | 1 | | | 30 | 37 | कर्नाटक |
| 14 | Kerala | 1 | 6 | 7 | | | | | 14 | 50 | केरल |
| 15 | Madhya Pradesh | | 7 | 36 | 8 | | | | 51 | 71 | मध्य प्रदेश |
| 16 | Maharashtra | | | 23 | 13 | | | | 36 | 64 | महाराष्ट्र |
| 17 | Manipur | | 1 | | 2 | 1 | | 5 | 9 | | मणिपुर |
| 18 | Meghalaya | | | 2 | 4 | | | 1 | 7 | 29 | मेघालय |
| 19 | Mizoram | | 2 | 1 | 1 | | | 5 | 9 | 11 | मिजोरम |
| 20 | Nagaland | | 2 | 4 | 4 | | | 1 | 11 | 36 | नागालैंड |
| 21 | Odisha | | 10 | 19 | 1 | | | | 30 | 63 | ओडिशा |
| 22 | Punjab | 1 | 7 | 8 | 3 | 1 | | | 20 | 40 | पंजाब |
| 23 | Rajasthan | | 4 | 23 | 5 | 1 | | | 33 | 70 | राजस्थान |
| 24 | Sikkim | | 1 | 3 | | | | | 4 | 75 | सिक्किम |
| 25 | Tamil Nadu | 3 | 2 | 9 | 18 | | | | 32 | 28 | तमिलनाडु |
| 26 | Telangana | | 5 | 17 | 9 | | | | 31 | 55 | तेलंगाना |
| 27 | Tripura | | | 2 | 2 | | | | 4 | 50 | त्रिपुरा |
| 28 | Uttar Pradesh | 1 | 15 | 26 | 28 | 2 | | | 72 | 36 | उत्तर प्रदेश |
| 29 | Uttarakhand | 1 | 2 | 6 | 4 | | | | 13 | 46 | उत्तराखंड |
| 30 | West Bengal | | | 9 | 10 | | | | 19 | 47 | पश्चिम बंगाल |
| 31 | Andaman & Nicobar Islands | | | 2 | 1 | | | | 3 | 67 | अंडमान एवं निकोबार द्वीपसमूह |
| 32 | Chandigarh | | | 1 | | | | | 1 | 100 | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | | | 1 | | | | | 1 | 100 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 1 | | | 1 | | | | 2 | | दमन एवं दीव |
| 35 | Lakshadweep | | | | 1 | | | | 1 | | लक्षद्वीप |
| 36 | Puducherry | | | 1 | 1 | | | 2 | 4 | 25 | पुद्दुचेरी |
| **Total** | | **12** | **94** | **301** | **240** | **12** | | **22.0** | **681.0** | **44** | **कुल** |

Source: India Meteorological Department, M/o Earth Sciences

स्रोत : भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय

Note: The rainfall categories have been modified w.e.f. 2016. Blank cells indicate nil

LE : Large Excess +60% or More D : Deficient -20% to -59% N : Normal + 19% to -19%

E : Excess +20% to +59% LD :Large Deficient -60% to -90% NR : No Rain -100%

## Statement 1.06 : (b) State-wise rainfall distribution of districts
## विवरण 1.06 : (ख) जिलों का राज्यवार वर्षा वितरण

**Season: Monsoon/मौसम: मानसून 2011**

| Sl.No. क्र. सं. | STATE/UT | E | N | D | S | NR | ND | Total कुल | % of normal rainfall सामान्य वर्षा का प्रतिशत | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 1 | 18 | 4 | | | | 23 | 78 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 1 | 2 | 7 | 1 | | 5 | 16 | 13 | अरुणाचल प्रदेश |
| 3 | Assam | | 6 | 18 | | | 3 | 27 | 22 | असम |
| 4 | Bihar | 9 | 18 | 11 | | | | 38 | 47 | बिहार |
| 5 | Chhattisgarh | 3 | 14 | 1 | | | | 18 | 78 | छत्तीसगढ़ |
| 6 | Delhi | 1 | 4 | 4 | | | | 9 | 44 | दिल्ली |
| 7 | Goa | 1 | 1 | | | | | 2 | 50 | गोवा |
| 8 | Gujarat | 10 | 12 | 4 | | | | 26 | 46 | गुजरात |
| 9 | Haryana | 1 | 11 | 8 | 1 | | | 21 | 52 | हरियाणा |
| 10 | Himachal Pradesh | 1 | 8 | 2 | 1 | | | 12 | 67 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 3 | 11 | 3 | 2 | | 3 | 22 | 50 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 6 | 11 | 2 | | | 5 | 24 | 46 | झारखंड |
| 13 | Karnataka | 3 | 15 | 12 | | | | 30 | 50 | कर्नाटक |
| 14 | Kerala | 2 | 10 | 2 | | | | 14 | 71 | केरल |
| 15 | Madhya Pradesh | 20 | 28 | 2 | | | | 50 | 56 | मध्य प्रदेश |
| 16 | Maharashtra | 7 | 26 | 2 | | | | 35 | 74 | महाराष्ट्र |
| 17 | Manipur | | 1 | | | | 8 | 9 | 11 | मणिपुर |
| 18 | Meghalaya | | 3 | 1 | | | 3 | 7 | 43 | मेघालय |
| 19 | Mizoram | | | 1 | | | 8 | 9 | | मिजोरम |
| 20 | Nagaland | | | 3 | | | 8 | 11 | | नागालैंड |
| 21 | Odisha | 4 | 22 | 4 | | | | 30 | 73 | ओडिशा |
| 22 | Punjab | 4 | 10 | 5 | 1 | | | 20 | 50 | पंजाब |
| 23 | Rajasthan | 29 | 4 | | | | | 33 | 12 | राजस्थान |
| 24 | Sikkim | | 3 | | | | 1 | 4 | 75 | सिक्किम |
| 25 | Tamil Nadu | 6 | 11 | 14 | 1 | | | 32 | 34 | तमिलनाडु |
| 26 | Tripura | | 3 | 1 | | | | 4 | 75 | त्रिपुरा |
| 27 | Uttar Pradesh | 9 | 40 | 21 | 1 | | | 71 | 56 | उत्तर प्रदेश |
| 28 | Uttarakhand | 7 | 6 | | | | | 13 | 46 | उत्तराखंड |
| 29 | West Bengal | 8 | 10 | 1 | | | | 19 | 53 | पश्चिम बंगाल |
| 30 | Andaman & Nicobar Islands | 1 | 2 | | | | | 3 | 67 | अंडमान एवं निकोबार द्वीपसमूह |
| 31 | Chandigarh | | 1 | | | | | 1 | 100 | चंडीगढ़ |
| 32 | Dadra & Nagar Haveli | | 2 | | | | | 2 | 100 | दादरा एवं नगर हवेली |
| 33 | Daman & Diu | | 1 | | | | | 1 | 100 | दमन एवं दीव |
| 34 | Lakshadweep | | 1 | | | | | 1 | 100 | लक्षद्वीप |
| 35 | Puducherry | 1 | | 1 | | | 2 | 4 | | पुद्दुचेरी |
| **Total** | | **138** | **315** | **134** | **8** | | **46** | **641** | **49** | **कुल** |

*Source: India Meteorological Department, M/o Earth Sciences/स्रोत : भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय |*

Legend : E : Excess N : Normal ND : No Data D : Deficient S : Scanty

NR : No Rainfall Note: Blank cells indicate nil

## Statement 1.07 : Wetlands in India

## विवरण 1.07 : भारत में दलदली भूमि

**(Area in Ha. / क्षेत्रफल हेक्टेयर में)**

| Sr. No. क्र. सं. | Wettcode वेटकोड | Wetland Category | Number of wetlands दलदली भूमि की संख्या | Total Wetland area दलदली भूमि का कुल क्षेत्रफल | % of Wetland area दलदली भूमि के क्षेत्रफल का प्रतिशत | Open Water खुला जल | | दलदली भूमि की श्रेणी |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Post-monsoon area मानसून पश्चात क्षेत्रफल | Pre-monsoon area मानसून पूर्व क्षेत्रफल | |
| | **1100** | **Inland wetlands-Natural** | | | | | | **अन्तर्देशीय दलदली भूमि-प्राकृतिक** |
| 1 | 1101 | Lake/Pond | 11740 | 729532 | 4.78 | 454416 | 198054 | झील/तालाब |
| 2 | 1102 | Ox-bow lake/Cut-off meander | 4673 | 104124 | 0.68 | 57576 | 37818 | ऑक्स-बो लेक/कट-ऑफ मेंडर |
| 3 | 1103 | High altitude lake | 2707 | 124253 | 0.81 | 116615 | 109277 | अधिक तुंगता वाली झील |
| 4 | 1104 | Riverine wetland | 2834 | 91682 | 0.60 | 48918 | 29739 | तीरवर्ती दलदली भूमि |
| 5 | 1105 | Waterlogged | 11957 | 315091 | 2.06 | 197003 | 112631 | जलाप्लावित |
| 6 | 1106 | River/Stream | 11747 | 5258385 | 34.46 | 3226238 | 2628182 | नदी/धारा |
| | **1200** | **Inland Wetlands-Man-made** | | | | | | **अन्तर्देशीय दलदली भूमि-मानव निर्मित** |
| 7 | 1201 | Reservoir/Barrage | 14894 | 2481987 | 16.26 | 2260574 | 1268237 | जलाशय/बैराज |
| 8 | 1202 | Tank/Pond | 122370 | 1310443 | 8.59 | 916020 | 349512 | टैंक/तालाब |
| 9 | 1203 | Waterlogged | 5488 | 135704 | 0.89 | 85715 | 33822 | जलाप्लावित |
| 10 | 1204 | Salt pan | 60 | 13698 | 0.09 | 5293 | 2599 | लवण क्यारी |
| | | **Total -Inland** | **188470** | **10564899** | **69.22** | **7368368** | **4769871** | **कुल - अन्तर्देशीय** |
| | **2100** | **Coastal Wetlands-Natural** | | | | | | **तटीय दलदली भूमि-प्राकृतिक** |
| 11 | 2101 | Lagoon | 178 | 246044 | 1.61 | 208915 | 191301 | लैगून |
| 12 | 2102 | Creek | 586 | 206698 | 1.35 | 199743 | 189489 | संकरी खाड़ी |
| 13 | 2103 | Sand/Beach | 1353 | 63033 | 0.41 | - | - | बालू/बालू-तट |
| 14 | 2104 | Intertidal mud flat | 2931 | 2413642 | 15.82 | 516636 | 366953 | अंतराज्वारीय कीचड़दार भूमि |
| 15 | 2105 | Salt Marsh | 744 | 161144 | 1.06 | 5369 | 2596 | लवण कच्छ |
| 16 | 2106 | Mangrove | 3806 | 471407 | 3.09 | - | - | गरान |
| 17 | 2107 | Coral Reef | 606 | 142003 | 0.93 | - | - | प्रवाल भित्ति |
| | **2200** | **Coastal Wetlands-Man-made** | | | | | | **तटीय दलदली भूमि-मानव निर्मित** |
| 18 | 2201 | Salt pan | 609 | 148913 | 0.98 | 105253 | 94047 | लवण क्यारी |
| 19 | 2202 | Aquaculture pond | 2220 | 287232 | 1.88 | 196514 | 186963 | मत्स्यपालन तालाब |
| | | **Total -Coastal** | **13033** | **4140116** | **27.13** | **1232430** | **1031349** | **कुल - तटीय** |
| | | **Sub-Total** | **201503** | **14705015** | **96.35** | **8600798** | **5801220** | **उप जोड़** |
| | | Wetlands(<2.25ha) | 555557 | 555557 | 3.64 | - | - | दलदली भूमि (2.25 हेक्टेयर से कम) |
| | | **Total** | **757060** | **15260572** | **99.99** | **8600798** | **5801220** | **कुल** |

| | | | |
|---|---|---|---|
| **Area under Aquatic Vegetation** | 1322837 | 2065096 | **जलीय वनस्पति के तहत क्षेत्रफल** |
| **Area under turbidity levels** | | | **आविलता स्तर के तहत क्षेत्रफल** |
| Low | 3206003 | 1888493 | निम्न |
| Mooderate | 4168401 | 2967523 | मध्यम |
| High | 1226394 | 945204 | उच्च |

*Source : National Wetlands Atlas, 2011, Space Applications Centre, (ISRO), Ahmedabad, India*

*स्रोत : नेशनल वेटलैंड्स एटलस, 2011, स्पेस एप्लीकेशन सेंटर, (ISRO), अहमदाबाद, भारत सरकार*

## Statement 1.08 : State-wise Inland Water Resources
## विवरण 1.08 : राज्यवार अंतर्देशीय जल संसाधन

| Sl. No. क्र. सं. | States | Rivers & Canals (Length in kms.) नदियां एवं नहरें (लंबाई किलोमीटर में) | Reservoirs (Lakh Ha.) जलाशय (लाख हेक्टेयर) | Tanks & Ponds (Lakh Ha.) टैंक एवं तालाब (लाख हेक्टेयर) | Floodplain Lakes & Derelict Water (Lakh Ha.) बाढ़ क्षेत्र की झीलें एवं परित्यक्त जल (लाख हेक्टेयर) | Brackish Water (Lakh Ha.) खारा जल (लाख हेक्टेयर) | Total (Lakh Ha.) कुल (लाख हेक्टेयर) | राज्य |
|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh* | 11514 | 2.34 | 5.17 | - | 0.60 | 8.11 | आंध्र प्रदेश* |
| 2 | Arunachal Pradesh | 2000 | - | 2.76 | 0.42 | - | 3.18 | अरुणाचल प्रदेश |
| 3 | Assam | 4820 | 0.02 | 0.23 | 1.10 | - | 1.35 | असम |
| 4 | Bihar | 3200 | 0.60 | 0.95 | 0.05 | - | 1.60 | बिहार |
| 5 | Chhattisgarh | 3573 | 0.84 | 0.63 | - | - | 1.47 | छत्तीसगढ़ |
| 6 | Delhi | 150 | 0.04 | - | - | - | 0.04 | दिल्ली |
| 7 | Goa | 250 | 0.03 | 0.03 | - | NEG | 0.06 | गोवा |
| 8 | Gujarat | 3865 | 2.43 | 0.71 | 0.12 | 1.00 | 4.26 | गुजरात |
| 9 | Haryana | 5000 | NEG | 0.10 | 0.10 | - | 0.20 | हरियाणा |
| 10 | Himachal Pradesh | 3000 | 0.42 | 0.01 | - | - | 0.43 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 27781 | 0.07 | 0.17 | 0.06 | - | 0.30 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 4200 | 0.94 | 0.29 | - | - | 1.23 | झारखंड |
| 13 | Karnataka | 9000 | 4.40 | 2.90 | - | 0.10 | 7.40 | कर्नाटक |
| 14 | Kerala | 3092 | 0.30 | 0.30 | 2.43 | 2.40 | 5.43 | केरल |
| 15 | Madhya Pradesh | 17088 | 2.27 | 0.60 | - | - | 2.87 | मध्य प्रदेश |
| 16 | Maharashtra | 16000 | 2.99 | 0.72 | - | 0.12 | 3.83 | महाराष्ट्र |
| 17 | Manipur | 3360 | 0.01 | 0.05 | 0.04 | - | 0.10 | मणिपुर |
| 18 | Meghalaya | 5600 | 0.08 | 0.02 | NEG | - | 0.10 | मेघालय |
| 19 | Mizoram | 1395 | - | 0.02 | - | - | 0.02 | मिजोरम |
| 20 | Nagaland | 1600 | 0.17 | 0.50 | NEG | - | 0.67 | नागालैंड |
| 21 | Odisha | 4500 | 2.56 | 1.23 | 1.80 | 4.30 | 9.89 | ओडिशा |
| 22 | Punjab | 15270 | NEG | 0.07 | - | - | 0.07 | पंजाब |
| 23 | Rajasthan | 5290 | 1.20 | 1.80 | - | - | 3.00 | राजस्थान |
| 24 | Sikkim | 900 | - | - | 0.03 | - | 0.03 | सिक्किम |
| 25 | Tamil Nadu | 7420 | 5.70 | 0.56 | 0.07 | 0.60 | 6.93 | तमिलनाडु |
| 26 | Tripura | 1200 | 0.05 | 0.13 | - | - | 0.18 | त्रिपुरा |
| 27 | Uttar Pradesh | 28500 | 1.38 | 1.61 | 1.33 | - | 4.32 | उत्तर प्रदेश |
| 28 | Uttarakhand | 2686 | 0.20 | 0.01 | 0.00 | - | 0.21 | उत्तराखंड |
| 29 | West Bengal | 2526 | 0.17 | 2.76 | 0.42 | 2.10 | 5.45 | पश्चिम बंगाल |
| 30 | Andaman And Nicobar Islands | - | 0.00367 | 0.001600 | - | 0.33 | 0.34 | अंडमान एवं निकोबार द्वीप समूह |
| 31 | Chandigarh | 2 | - | NEG | NEG | - | 0.00 | चंडीगढ़ |
| 32 | Dadra & Nagar Haveli | 54 | 0.05 | - | - | - | 0.05 | दादरा एवं नगर हवेली |
| 33 | Daman & Diu | 12 | - | NEG | - | NEG | 0.00 | दमन एवं दीव |
| 34 | Lakshadweep | - | | - | - | - | 0.00 | लक्षद्वीप |
| 35 | Puducherry | 247 | - | NEG | 0.01 | NEG | 0.01 | पुद्दुचेरी |
| **TOTAL** | | **195095** | **29.26** | **24.32** | **7.98** | **11.55** | **73.12** | |

Source : Annual Report 2017-18, Department of Animal Husbandry, Dairying & Fisheries, Ministry of Agriculture & Farmers Welfare

स्रोत : वार्षिक रिपोर्ट 2017-18, पशुपालन, डेयरी एवं मछली पालन विभाग, कृषि एवं किसान कल्याण मंत्रालय

* Including Telangana. NEG: Negligible

## Statement 1.09 : Water Sheds in India
## विवरण 1.09 : भारत में पनढाल

| Name of Basin & River length बेसिन का नाम एवं नदी की लम्बाई | Sl. No. क्र. सं. | Name of Sub-Basin | Area/क्षेत्रफल (Sq. km/वर्ग कि.मी.) | Size Range of Watershed (Sq. km/कि.मी..) पनढाल के प्रमाप की रेंज (वर्ग कि.मी.) | No. of Watersheds पनढाल की संख्या | Dams बाँध | Barrages बैराज | Weirs मेड़ | Anicuts एनीकट | Lifts लिफ्ट | Power House पावर हाउस | उप-बेसिन का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Indus /सिंधु- 1114 (2280) km/कि.मी. | 1 | Beas | 19002.47 | 389 - 999 | 30 | 11 | 2 | 5 | 0 | 4 | 16 | ब्यास |
| | 2 | Chenab | 29981.38 | 323 - 1127 | 48 | 4 | 0 | 2 | 0 | 5 | 6 | चैनाब |
| | 3 | Ghaghar and others | 26235.29 | 207 - 1158 | 45 | 2 | 0 | 0 | 0 | 5 | 0 | घग्गर एवं |
| | 4 | Gilgit | 27088.70 | 340 - 1012 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | गिलगित |
| | 5 | Jhelum | 29200.52 | 320 - 1322 | 44 | 3 | 1 | 5 | 0 | 26 | 8 | झेलम |
| | 6 | Lower Indus | 23894.10 | 319 - 1270 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | लोअर सिंधु |
| | 7 | Ravi | 13710.20 | 390 - 1303 | 20 | 7 | 3 | 1 | 0 | 2 | 9 | रावी |
| | 8 | Shyok | 38545.05 | 430 - 1374 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | श्योक |
| | 9 | Satluj Lower | 38442.79 | 329 - 1296 | 58 | 7 | 4 | 0 | 0 | 3 | 6 | सतलुज लोअर |
| | 10 | Satluj Upper | 21439.43 | 384 - 952 | 31 | 4 | 1 | 2 | 0 | 0 | 10 | सतलुज अपर |
| | 11 | Upper Indus | 46450.13 | 383 - 974 | 70 | 1 | 2 | 3 | 0 | 0 | 4 | अपर सिंधु |
| Ganga/गंगा- 2525 km/कि.मी. | 12 | Above Ramganga | 39104.61 | 430 - 1301 | 51 | 3 | 9 | 0 | 0 | 0 | 11 | रामगंगा के |
| | 13 | Banas | 51651.51 | 331 - 1433 | 64 | 76 | 0 | 0 | 0 | 0 | 0 | बनास |
| | 14 | Bhagirathi and others | 64038.97 | 308 - 1755 | 75 | 12 | 10 | 3 | 0 | 0 | 4 | भागीरथी एवं |
| | 15 | Chambal Lower | 10941.26 | 406 - 1136 | 14 | 3 | 0 | 0 | 0 | 2 | 0 | चंबल लोअर |
| | 16 | Chambal Upper | 25546.57 | 405 - 1404 | 30 | 31 | 1 | 0 | 0 | 1 | 2 | चंबल अपर |
| | 17 | Damodar | 41965.49 | 326 - 1301 | 60 | 39 | 3 | 6 | 0 | 0 | 4 | दमोदर |
| | 18 | Gandak and others | 56260.43 | 335 - 1309 | 76 | 30 | 5 | 36 | 0 | 6 | 0 | गंडक एवं |
| | 19 | Ghaghara Confluence | 58634.18 | 372 - 1762 | 36 | 11 | 7 | 0 | 0 | 7 | 3 | घाघरा संगम |
| | 20 | Ghaghara | 26254.06 | 375 - 1300 | 76 | 12 | 0 | 7 | 0 | 7 | 2 | घाघरा |
| | 21 | Gomti | 29865.21 | 333 - 1331 | 41 | 0 | 1 | 0 | 0 | 0 | 0 | गोमती |
| | 22 | Kali Sindh and others | 48492.61 | 430 - 1275 | 64 | 125 | 1 | 2 | 0 | 0 | 1 | पार्वती के |
| | 23 | Kosi | 18413.58 | 304- 1695 | 19 | 0 | 0 | 2 | 0 | 0 | 1 | कोसी |
| | 24 | Ramganga | 30839.69 | 350 - 1443 | 40 | 11 | 9 | 1 | 0 | 0 | 1 | रामगंगा |
| | 25 | Sone | 65110.05 | 381 - 1389 | 83 | 159 | 2 | 19 | 0 | 5 | 7 | सोन |
| | 26 | Tons | 16905.74 | 442 - 1173 | 23 | 32 | 3 | 1 | 0 | 2 | 2 | टोन्स |
| | 27 | Upstream of Gomti | 29061.37 | 364 - 1281 | 40 | 14 | 0 | 1 | 0 | 2 | 1 | गोमती संगम |
| | 28 | Yamuna Lower | 124867.19 | 734 - 1781 | 98 | 201 | 5 | 11 | 1 | 7 | 3 | यमुना लोअर |
| | 29 | Yamuna Middle | 34586.39 | 410 - 1232 | 43 | 19 | 1 | 0 | 0 | 0 | 0 | यमुना मिडल |
| | 30 | Yamuna Upper | 35798.19 | 328 - 1241 | 47 | 6 | 9 | 3 | 0 | 6 | 14 | यमुना अपर |
| Brahmapurta/ ब्रह्मपुत्र - 916(2900) km/कि.मी. | 31 | Brahmaputra Lower | 87392.22 | 429 - 1490 | 83 | 13 | 16 | 5 | 0 | 2 | 18 | ब्रह्मपुत्र लोअर |
| | 32 | Brahmaputra Upper | 98972.87 | 489- 1473 | 97 | 3 | 1 | 0 | 0 | 2 | 3 | ब्रह्मपुत्र अपर |
| Cauvery/ कावेरी- 800 km/कि.मी. | 33 | Cauvery Lower | 17386.45 | 321 -979 | 28 | 2 | 0 | 1 | 3 | 0 | 0 | कावेरी लोअर |
| | 34 | Cauvery Middle | 57280.98 | 377-935 | 86 | 85 | 10 | 3 | 9 | 2 | 23 | कावेरी मिडल |
| | 35 | Cauvery Upper | 10958.80 | 363-991 | 18 | 9 | 0 | 0 | 0 | 7 | 1 | कावेरी अपर |
| Godavari/गोदावरी - 1465 km/कि.मी. | 36 | Wardha | 46242.09 | 361 - 946 | 69 | 236 | 3 | 4 | 0 | 4 | 0 | वर्धा |
| | 37 | Weinganga | 49695.40 | 305 - 972 | 80 | 149 | 2 | 3 | 0 | 15 | 1 | वेनगंगा |
| | 38 | Godavari Lower | 44492.93 | 304 - 990 | 67 | 28 | 5 | 3 | 1 | 7 | 7 | गोदावरी लोअर |
| | 39 | Godavari Middle | 36290.47 | 325 - 955 | 56 | 186 | 16 | 0 | 0 | 15 | 3 | गोदावरी मिडल |
| | 40 | Godavari Upper | 21443.23 | 331 - 988 | 33 | 114 | 0 | 5 | 0 | 7 | 3 | गोदावरी अपर |
| | 41 | Indravati | 38306.10 | 343 - 993 | 60 | 21 | 0 | 0 | 0 | 0 | 0 | इंद्रावती |
| | 42 | Manjra | 29472.88 | 421 - 981 | 44 | 128 | 1 | 1 | 0 | 6 | 2 | मंजरा |
| | 43 | Pranhita and others | 36119.60 | 326 - 982 | 57 | 59 | 1 | 2 | 0 | 8 | 0 | प्राणहिता एवं |
| Subernarekha Barak and Others/ सुवर्णरेखा बराक एवं अन्य | 44 | Subernarekha | 25792.16 | 387 - 962 | 45 | 38 | 4 | 12 | - | - | 3 | सुवर्णरेखा |
| | 45 | Barak | 27658.98 | 365 – 844 | 47 | 1 | 0 | 0 | 0 | 0 | 1 | बराक |
| | 46 | Kynchiang and other | 10267.39 | 309 – 790 | 17 | 2 | 0 | 0 | 0 | 0 | 1 | क्यूंनचियांग |
| | 47 | Naochchara and others | 76,95.81 | 384 – 857 | 13 | 1 | 3 | 0 | 0 | 0 | 1 | नाओचचारा एवं अन्य |
| Krishna/कृष्णा - 1401 km/कि.मी. | 48 | Bhima Lower | 23652.70 | 396 - 929 | 36 | 68 | 5 | 0 | 0 | 2 | 0 | भीमा लोअर |
| | 49 | Bhima Upper | 44793.32 | 351 - 940 | 71 | 273 | 0 | 1 | 0 | 30 | 9 | भीमा अपर |
| | 50 | Krishna Lower | 39494.33 | 277 - 971 | 59 | 29 | 2 | 0 | 2 | 1 | 4 | कृष्णा लोअर |
| | 51 | Krishna Middle | 22229.12 | 341 - 963 | 36 | 34 | 0 | 0 | 0 | 8 | 4 | कृष्णा मिडल |
| | 52 | Krishna Upper | 54504.77 | 322 - 964 | 85 | 188 | 4 | 57 | 0 | 61 | 10 | कृष्णा अपर |
| | 53 | Tungabhadra Lower | 41556.48 | 357 - 976 | 59 | 37 | 0 | 0 | 3 | 4 | 3 | तुंगभद्रा लोअर |
| | 54 | Tungabhadra Upper | 28519.41 | 331 - 924 | 45 | 31 | 1 | 0 | 1 | 13 | 5 | तुंगभद्रा अपर |
| Brahmani and Baitarni/ ब्राह्मणी एवं वैतरणी - 799 km/कि.मी. | 55 | Baitarni | 14351.23 | 472 - 975 | 21 | 18 | 2 | 1 | 1 | - | - | वैतरणी |
| | 56 | Brahmani | 37545.83 | 333 - 964 | 58 | 43 | 3 | 3 | 0 | - | - | ब्राह्मणी |
| Pennar/पेन्नार - 597 km/कि.मी. | 57 | Pennar Lower | 17979.85 | 358 - 851 | 29 | 19 | 0 | 0 | 2 | - | - | पेन्नार लोअर |
| | 58 | Pennar Upper | 36263.58 | 310 - 927 | 61 | 39 | 0 | 1 | 0 | - | - | पेन्नार अपर |

## Statement 1.09 : Water Sheds in India
## विवरण 1.09 : भारत में पनढाल

| Name of Basin & River length बेसिन का नाम एवं नदी की लम्बाई | Sl. No. क्र. सं. | Name of Sub-Basin | Area/क्षेत्रफल (Sq. km/वर्ग कि.मी.) | Size Range of Watershed (Sq. km/कि.मी..) पनढाल के प्रमाप की रेंज (वर्ग कि.मी.) | No. of Watersheds पनढाल की संख्या | Dams बाँध | Barrages बैराज | Weirs मेड़ | Anicuts एनीकट | Lifts लिफ्ट | Power House पावर हाउस | उप-बेसिन का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mahanadi/महानदी-851km/कि.मी. | 59 | Mahanadi Lower | 57958.88 | 320 - 1458 | 91 | 75 | 7 | 4 | - | - | - | महानदी लोअर |
| | 60 | Mahanadi Middle | 51895.91 | 301 - 902 | 88 | 116 | 3 | 5 | - | - | - | महानदी मिडल |
| | 61 | Mahanadi Upper | 29796.64 | 314 - 908 | 48 | 62 | 4 | 4 | - | - | - | महानदी अपर |
| West flowing rivers from Tapi to Tadri पश्चिम की ओर बहने वाली नदियां ताप्ती से ताडरी तक | 62 | Vasishti and others | 27473.95 | 335- 979 | 47 | 113 | 0 | 2 | 0 | 1 | 9 | वशिष्ठी एवं |
| | 63 | Bhatsol and others | 29348.90 | 311 – 932 | 49 | 106 | 0 | 1 | 0 | 0 | 9 | भाटसोल एवं अन्य |
| Mahi/माही-583 km/कि.मी. | 64 | Mahi Lower | 13377.00 | 372 - 873 | 22 | 47 | 0 | 2 | 0 | 0 | 1 | माही लोअर |
| | 65 | Mahi Upper | 24959.80 | 331 - 954 | 41 | 87 | 0 | 2 | 0 | 0 | 2 | माही अपर |
| Tapi/ताप्ती - 724 km/कि.मी. | 66 | Tapi Lower | 4108.90 | 427 - 782 | 7 | 6 | 0 | 2 | 0 | 0 | 1 | ताप्ती लोअर |
| | 67 | Tapi Middle | 31766.67 | 366 - 938 | 47 | 225 | 6 | 7 | 0 | 5 | 1 | ताप्ती मिडल |
| | 68 | Tapi Upper | 28047.34 | 322-937 | 46 | 125 | 2 | 2 | 0 | 8 | 0 | ताप्ती अपर |
| East flowing rivers between Pennar and Kanyakumari पूर्व की ओर बहने वाली नदियां पेन्नार से कन्याकुमारी तक | 69 | Vaippar and others | 20356.69 | 318-888 | 33 | 18 | 0 | 1 | | - | 2 | वाईपार एवं |
| | 70 | Palar and other | 35392.34 | 322-957 | 56 | 18 | 2 | 5 | | - | 0 | पलार एवं |
| | 71 | Pamba and others | 18289.41 | 317-938 | 30 | 7 | 0 | 2 | | - | 3 | पम्बा एवं |
| | 72 | Ponnaiyar and other | 28249.49 | 357-900 | 46 | 18 | 0 | 5 | | - | 1 | पोन्नीयार एवं अन्य |
| Narmada/नर्मदा-1312 km/कि.मी. | 73 | Narmada Lower | 8904.02 | 308 - 750 | 16 | 22 | 0 | 1 | - | 0 | 2 | नर्मदा लोअर |
| | 74 | Narmada Middle | 40575.72 | 338 - 957 | 63 | 134 | 1 | 0 | - | 3 | 4 | नर्मदा मिडल |
| | 75 | Narmada Upper | 43192.68 | 327 - 986 | 71 | 121 | 1 | 1 | - | 1 | 3 | नर्मदा अपर |
| West flowing rivers of Kutch and Saurashtra including Luni कच्छ और सौराष्ट्र की पश्चिम की बहने वाली नदियां जिसमें लुनी शामिल है | 76 | Luni Upper | 70202.58 | 381-1448 | 81 | 27 | 0 | 0 | 0 | 0 | 0 | लुनी अपर |
| | 77 | Luni Lower | 29180.12 | 316-1419 | 42 | 55 | 0 | 0 | 0 | 0 | 0 | लुनी लोअर |
| | 78 | Drainage of Rann | 21229.90 | 311-968 | 40 | 107 | 0 | 1 | 0 | 0 | 0 | रन का ड्रेनेज |
| | 79 | Saraswati | 27260.84 | 309-1018 | 43 | 50 | 1 | 0 | 0 | 0 | 0 | सरस्वती |
| | 80 | Bhadar and other WFR | 18489.70 | 331-965 | 30 | 70 | 0 | 6 | 0 | 0 | 0 | भादर और |
| | 81 | Shetrunji and other EFR | 18221.67 | 300-856 | 32 | 99 | 0 | 3 | 0 | 0 | 0 | शेतरुंजी और अन्य ईएफआर |
| Sabarmati/ साबरमती - 371 km/कि.मी. | 82 | Sabarmati Lower | 8904.02 | 398 - 986 | 17 | 17 | 0 | 0 | 0 | 0 | 0 | साबरमती |
| | 83 | Sabarmati Upper | 40575.72 | 313 - 828 | 34 | 33 | 2 | 10 | 0 | 0 | 0 | साबरमती अपर |
| East flowing rivers between Mahanadi and Pennar महानदी और पेन्नार के बीच पूरब की ओर बहने वाली नदियां | 84 | Vamsadhara & other | 21870.63 | 392-930 | 34 | 27 | 2 | 12 | 6 | 0 | 0 | वामशधारा |
| | 85 | Nagvati & other | 24372.24 | 358-928 | 41 | 21 | 2 | 0 | 3 | 0 | 0 | नागवती और |
| | 86 | East flowing rivers | 10342.29 | 472-902 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | गोदावरी और |
| | 87 | East flowing rivers between Krishna & Pennar | 23334.63 | 205-1404 | 41 | 13 | 1 | 0 | 3 | 0 | 0 | कृष्णा और पेन्नार के बीच पूरब की ओर बहने वाली नदियों |
| West flowing rivers from Tadri to Kanyakumari ताडरी से कन्याकुमारी तक पश्चिम की ओर बहने वाली नदियां | 88 | Netravati and others | 18762.09 | 317 -929 | 32 | 9 | 1 | 1 | 1 | 0 | 6 | नेत्रवती एवं |
| | 89 | Periyar and others | 21895.21 | 340 - 934 | 37 | 40 | 4 | 2 | 0 | 0 | 17 | पेरियार एवं |
| | 90 | Varrar and others | 14164.70 | 363- 978 | 23 | 20 | 1 | 3 | 3 | 0 | 6 | वरार एवं अन्य |
| Minor rivers draining into Myanmar and Bangladesh छोटी नदियां जिनका अपवाह म्यांमार एवं बंग्लादेश में है | 92 | Imphal and others Sub | 16754.90 | 321 - 900 | 29 | 3 | 5 | 0 | 0 | 3 | 0 | इम्फाल एवं |
| | 93 | Karnaphuli and Others | 3776.84 | 312 - 882 | 6 | - | - | - | - | - | - | कर्णफूली एवं |
| | 94 | Mangpui Lui and | 7976.18 | 359 - 656 | 16 | - | - | - | - | - | - | मांगपुई लुई |
| | 95 | Muhury and Others Sub Basin | 1676.39 | 532 - 608 | 3 | - | - | - | - | - | - | मुहुरी एवं अन्य सब-बेसिन |

*Source : Basin-wise Reports as downloaded from India WRIS*

स्रोत : बेसिन-वार रिपोर्टें जो इंडिया डब्ल्यूआरआईएस से डाउनलोड की गई हैं

कि.मी. : किलोमीटर

**Statement 1.10: Catchment area of major river basins**

**विवरण 1.10: प्रमुख नदी द्रोणियों का जलग्रहण क्षेत्र**

| Sl. No. क्र. सं. | Name of the River | Origin | Length (Km.) लंबाई (कि.मी) | Catchment Area (Sq. Km.) जलग्रहण क्षेत्रफल (वर्ग कि.मी.) | नदी का नाम | उद्गम |
|---|---|---|---|---|---|---|
| 1 | Indus | Mansarovar (Tibet) | 1114 (2880) | 321289 (1165500) | सिंधु | मानसरोवर (तिब्बत) |
| 2 | a) Ganga | Gangotri | 2525 | 861452 (1186000) | क) गंगा | गंगोत्री |
| | b) Brahmaputra | Kailash Range (Tibet) | 916 (2900) | 194413 (580000) | ख) बह्मपुत्र | कैलाश पर्वत (तिब्बत) |
| | c) Barak & other rivers flowing into Meghna like Gomti, Muhari, Fenny etc. | Manipur Hills (Manipur) | | 41723 | (ग) बैरक एवं अन्य नदियां जो मेघना में बह रही हैं जैसे कि गोमती, मुहारी, फेन्नी आदि| | मणिपुर पहाड़ियां (मणिपुर) |
| 3 | Sabarmati | Aravalli Hills (Rajasthan) | 371 | 21674 | साबरमती | अरावली पहाड़ियां (राजस्थान) |
| 4 | Mahi | Dhar (Madhya Pradesh) | 583 | 34842 | माही | धार (मध्य प्रदेश) |
| 5 | Narmada | Amarkantak (Madhya Pradesh) | 1312 | 98796 | नर्मदा | अमरकंटक (मध्य प्रदेश) |
| 6 | Tapi | Betul (Madhya Pradesh) | 724 | 65145 | ताप्ती | बेतूल (मध्य प्रदेश) |
| 7 | Brahmani | Ranchi (Bihar) | 799 | 39033 | ब्राह्मणी | रांची (बिहार) |
| 8 | Mahanadi | Nazri Town (Madhya Pradesh) | 851 | 141589 | महानदी | नाजरी कस्बा (मध्य प्रदेश) |
| 9 | Godavari | Nasik (Maharashtra) | 1465 | 312812 | गोदावरी | नासिक (महाराष्ट्र) |
| 10 | Krishna | Mahabaleshwar (Maharashtra) | 1401 | 258948 | कृष्णा | महाबलेश्वर (महाराष्ट्र) |
| 11 | Pennar | Kolar (Karnataka) | 597 | 55213 | पेन्नार | कोलार (कर्नाटक) |
| 12 | Cauvery | Coorg (Karnataka) | 800 | 81155 | कावेरी | कुर्ग (कर्नाटक) |
| **Total** | | | | **2528084** | **कुल** | |

*Source : Water Year Book 2012, Central Water Commission/स्रोत : जल आब्दिकी 2012, केंद्रीय जल आयोग*

*Note: Figures within bracket indicate the total river basin in India and neighbouring countries*

**Statement 1.11 : Status of monitored glacial lakes & water bodies**

**विवरण 1.11 : ऐसी हिमानी झीलों एवं जल पिंडों की स्थिति जिनकी निगरानी की जाती है**

| Month | No. of Glacial Lakes /Water Bodies Monitored ऐसी हिमानी झीलों/जल पिंडों की संख्या जिनकी निगरानी की जाती है | Water Spread Area जल विस्तार क्षेत्र | | | माह |
|---|---|---|---|---|---|
| | | Increased वर्धित | Decreased ह्रासित | No Change कोई परिवर्तन नहीं | |
| June-Oct, 2011 | 391 | 218 | 35 | 138 | जून-अक्टूबर, 2011 |
| June-Oct, 2012 | 391* | 88 | 110 | 190 | जून-अक्टूबर, 2012 |
| June-Oct, 2013 | 476** | 165 | 115 | 195 | जून-अक्टूबर, 2013 |
| June-Oct, 2014 | 438# | 88 | 178 | 170 | जून-अक्टूबर, 2014 |
| June-Oct, 2015 | 459$ | 119 | 144 | 195 | जून-अक्टूबर, 2015 |
| June-Oct, 2016 | | | | | जून-अक्टूबर, 2016 |
| June 2016 | 372 | 25 | 247 | 100 | जून 2016 |
| July 2016 | 112 | 21 | 55 | 36 | जुलाई, 2016 |
| August 2016 | 181 | 21 | 95 | 65 | अगस्त, 2016 |
| September 2016 | 195 | 29 | 110 | 56 | सितंबर, 2016 |
| October 2016 | 398 | 105 | 168 | 125 | अक्टूबर, 2016 |
| June-Oct, 2017 | | | | | जून-अक्टूबर, 2017 |
| June 2017 | 192 | 58 | 90 | 44 | जून 2017 |
| July 2017 | 176 | 47 | 87 | 42 | जुलाई, 2017 |
| August 2017 | 165 | 37 | 86 | 42 | अगस्त, 2017 |
| September 2017 | 273 | 80 | 116 | 77 | सितंबर, 2017 |
| October 2017 | 326 | 97 | 122 | 107 | अक्टूबर, 2017 |
| June -October 2018 | | | | | जून-अक्टूबर, 2018 |
| June 2018 | 380 | 156 | 29 | 195 | जून 2018 |
| July 2018 | 294 | 129 | 32 | 133 | जुलाई, 2018 |
| August 2018 | 208 | 117 | 13 | 78 | अगस्त, 2018 |
| September 2018 | 285 | 175 | 15 | 95 | सितंबर, 2018 |
| October 2018 | 320 | 192 | 25 | 103 | अक्टूबर, 2018 |

*Source: Monitoring of Glacier, Lakes and water Bodies in Himalayan region of Indian river basin (Report of the respective months), Centre Water Commission*

*स्रोत : भारतीय नदी द्रोणी के हिमालयी क्षेत्र में हिमखंडों, झीलों एवं जल पिंडों की निगरानी (संबंधित महीनों की रिपोर्टें), केंद्रीय जल आयोग*

Note: *: Includes 3 new Glacial lakes that were missed earlier **: Includes 1 Glacial lake that is dry

$: Includes 1 Glacial lake that is dry #: Includes 2 Water Bodies that are dry

**Statement 1.12 : Glacial lakes with significant change in water spread**

**विवरण 1.12 : हिमानी झीलें जिनके जल विस्तार में काफी परिवर्तन हुआ है**

**(a) : Lakes with increasing water spread**

**(क) : झीलें जिनका जल विस्तार बढ़ रहा है (>20% )**

| S. No. क्र. सं. | UID | Lake_ID | Water spread area in Ha जल विस्तार क्षेत्र (हेक्टेयर में) | % Difference in Water spread area जल विस्तार क्षेत्र में अंतर का प्रतिशत | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 (Inventory) (सूची) | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 |
| 1 | JK_23 | 01_43A_002 | 91 | 26.37 | 9.56 | -1.57 | 0.00 | -5.49 | 1.10 |
| 2 | JK_159 | 01_43N_032 | 49 | 34.69 | 30.08 | 13.26 | 12.24 | 8.16 | -4.08 |
| 3 | JK_115 | 01_43K_014 | 112 | 41.07 | 23.25 | 14.65 | 16.07 | 13.39 | 6.25 |
| 4 | JK_167 | 01_43P_002 | 52 | 23.08 | 19.69 | cloud | 5.77 | 5.77 | 3.85 |
| 5 | HP_1 | 01_52D_001 | 688 | 32.12 | 29.05 | -4.60 | 8.58 | 9.45 | 11.34 |
| 6 | HP_12 | 01_53E_001 | 72 | 81.94 | 81.65 | 14.11 | 15.28 | 20.83 | 29.17 |
| 7 | HP_3 | 01_52H_002 | 62 | 72.58 | 44.58 | 16.46 | 25.81 | 20.97 | 20.97 |
| 8 | CH_1 | 01_52L_008 | 50 | 126.00 | 85.84 | cloud | -8.00 | 18.00 | 108.00 |
| 9 | CH_30 | 01_61C_002 | 685 | 21.17 | 18.52 | cloud | 12.55 | 11.82 | 4.23 |
| 10 | CH_33 | 01_61C_005 | 139 | 147.48 | 11.67 | cloud | 76.26 | 33.81 | 22.30 |
| 11 | CH_38 | 01_61C_010 | 88 | 35.23 | 11.51 | cloud | 9.09 | 4.55 | 0.00 |
| 12 | CH_39 | 01_61C_011 | 408 | 33.33 | 18.52 | cloud | 12.50 | 0.49 | -1.72 |
| 13 | CH_40 | 01_61C_012 | 290 | 20.69 | 13.89 | cloud | 8.28 | 6.21 | 7.59 |
| 14 | CH_66 | 01_61H_001 | 282 | 30.50 | 2.55 | -2.60 | 21.28 | -15.25 | 19.50 |
| 15 | CH_55 | 01_61D_003 | 46 | 63.04 | 66.97 | cloud | -4.35 | 0.00 | 17.39 |
| 16 | CH_78 | 01_62E_003 | 136 | 22.79 | 14.17 | -2.71 | 20.59 | 8.09 | 11.76 |
| 17 | CH_106 | 02_62B_001 | 47 | 25.53 | 21.32 | cloud | 10.64 | 8.51 | 6.38 |
| 18 | CH_101 | 01_62F_010 | 45 | 84.44 | 1.56 | cloud | 13.33 | 8.89 | 4.44 |
| 19 | CH_288 | 03_62J_016 | 44 | 43.18 | 9.75 | cloud | 9.09 | -2.27 | 6.82 |
| 20 | CH_298 | 03_62J_026 | 103 | 36.89 | -3.02 | 6.96 | 10.68 | 9.71 | 12.62 |
| 21 | CH_303 | 03_62J_031 | 166 | 46.99 | 36.51 | 7.52 | 15.66 | 2.41 | 4.82 |
| 22 | CH_304 | 03_62J_032 | 77 | 40.26 | 21.32 | -10.57 | 3.90 | 0.00 | 2.60 |
| 23 | NP_19 | 02_62J_003 | 49 | 34.69 | -6.45 | cloud | 24.49 | 0.00 | 8.16 |
| 24 | NP_12 | 02_62F_019 | 58 | 24.14 | cloud | cloud | 1.72 | -13.79 | 5.17 |
| 25 | CH_385 | 03_62O_040 | 107 | 20.56 | -5.73 | cloud | 25.23 | -4.67 | 5.61 |
| 26 | CH_377 | 03_62O_032 | 49 | 20.41 | -13.34 | -12.96 | 0.00 | 8.16 | -2.04 |
| 27 | CH_375 | 03_62O_030 | 97 | 23.71 | -10.89 | cloud | 8.25 | 3.09 | 5.15 |
| 28 | CH_316 | 03_62K_012 | 73 | 24.66 | 0.05 | cloud | 2.74 | -1.37 | -1.37 |
| 29 | CH_313 | 03_62K_009 | 250 | 29.20 | 22.25 | 20.02 | 17.60 | 14.40 | 12.40 |
| 30 | CH_306 | 03_62K_002 | 45 | 31.11 | 7.27 | 0.18 | 2.22 | 8.89 | 4.44 |
| 31 | CH_396 | 03_71C_003 | 47 | 27.66 | 6.96 | cloud | 8.51 | -4.26 | 10.64 |
| 32 | CH_423 | 03_71G_014 | 140 | 78.57 | 22.21 | -18.73 | 16.43 | 20.71 | 12.14 |
| 33 | CH_420 | 03_71G_011 | 1192 | 33.05 | -7.15 | cloud | 3.10 | 3.78 | 8.98 |
| 34 | CH_422 | 03_71G_013 | 244 | 37.30 | 19.99 | cloud | 1.23 | 25.41 | -0.41 |
| 35 | CH_432 | 03_71K_009 | 170 | 46.47 | cloud | -15.53 | 0.00 | 11.76 | 18.82 |
| 36 | CH_128 | 02_71H_008 | 94 | 31.91 | -4.91 | cloud | 18.09 | 6.38 | 6.38 |
| 37 | CH_132 | 02_71H_012 | 89 | 56.18 | 3.37 | cloud | 41.57 | 34.83 | 23.60 |
| 38 | NP_57 | 02_72E_001 | 142 | 41.55 | 9.90 | cloud | 2.82 | 5.63 | 23.94 |
| 39 | UK_8 | 02_53O_005 | 1510 | 26.09 | 21.17 | cloud | 2.19 | -1.13 | -31.79 |
| 40 | CH_564 | 03_77O_001 | 154 | 25.97 | 18.96 | 16.72 | 13.64 | 17.53 | 23.38 |
| 41 | CH_552 | 03_77L_043 | 181 | 37.02 | -21.84 | cloud | 23.76 | 8.84 | 4.42 |

| S. No. क्र. सं. | UID | Lake_ID | Water spread area in Ha जल विस्तार क्षेत्र (हेक्टेयर में) | % Difference in Water spread area जल विस्तार क्षेत्र में अंतर का प्रतिशत | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 (Inventory) (सूची) | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 |
| 42 | CH_551 | 03_77L_42 | 50 | 62.00 | 15.97 | cloud | 28.00 | 26.00 | 14.00 |
| 43 | CH_545 | 03_77l_029 | 45 | 24.44 | cloud | cloud | -4.44 | -15.56 | -8.89 |
| 44 | CH_1075 | 03_91C_024 | 239 | 38.91 | 31.50 | cloud | 16.74 | 8.37 | 19.25 |
| 45 | CH_1076 | 03_91C_025 | 97 | 32.99 | -10.18 | cloud | 3.09 | 4.12 | 14.43 |
| 46 | BH_99 | 03_78l_018 | 63 | 31.75 | 7.47 | cloud | 11.11 | 1.59 | 0.00 |
| 47 | BH_19 | 03_77L_044 | 123 | 21.14 | cloud | cloud | 0.00 | -6.50 | 5.69 |
| 48 | BH_22 | 03_77L_051 | 143 | 24.48 | -17.95 | cloud | 11.89 | -7.69 | 7.69 |
| 49 | BH_13 | 03_77L_033 | 177 | 23.16 | -9.93 | cloud | 2.82 | 3.95 | 10.17 |
| 50 | BH_14 | 03_77L_035 | 58 | 20.69 | cloud | cloud | 1.72 | 8.62 | 10.34 |
| 48 | BH_22 | 03_77L_051 | 143 | 24.48 | -17.95 | बादल | 11.89 | -7.69 | 7.69 |
| 49 | BH_13 | 03_77L_033 | 177 | 23.16 | -9.93 | बादल | 2.82 | 3.95 | 10.17 |
| 50 | BH_14 | 03_77L_035 | 58 | 20.69 | बादल | बादल | 1.72 | 8.62 | 10.34 |
| 51 | BH_12 | 03_77L_030 | 79 | 25.32 | -89.67 | cloud | 5.06 | 0.00 | 12.66 |
| 52 | CH_426 | 03_71K_003 | 72 | 23.61 | -14.75 | cloud | -4.17 | -4.17 | 1.39 |
| 53 | CH_155 | 02_71H_035 | 45 | 26.67 | -3.09 | cloud | 13.33 | 15.56 | 2.22 |
| 54 | CH_165 | 02_71L_010 | 47 | 38.30 | -5.38 | cloud | 10.64 | 34.04 | -4.26 |
| 55 | CH_178 | 02_71L_023 | 116 | 25.86 | 3.41 | -5.41 | 8.62 | -3.45 | 2.59 |
| 56 | CH_181 | 02_71L_026 | 59 | 28.81 | 121.38 | cloud | 1.69 | 5.08 | -1.69 |
| 57 | CH_188 | 02_71L_034 | 46 | 71.74 | 29.97 | cloud | 21.74 | 8.70 | 17.39 |
| 58 | NP_67 | 02_72l_014 | 137 | 21.90 | 42.15 | cloud | 15.33 | 10.95 | 9.49 |
| 59 | CH_244 | 02_72l_004 | 121 | 75.21 | 71.92 | cloud | 26.45 | 15.70 | 10.74 |
| 60 | NP_78 | 02_72l_025 | 106 | 35.85 | 39.29 | cloud | 6.60 | 2.83 | 2.83 |
| 61 | NP_64 | 02_72l_011 | 100 | 75.00 | 44.68 | cloud | 23.00 | 14.00 | 2.00 |
| 62 | NP_92 | 02_72M_016 | 161 | 27.33 | -33.76 | cloud | -0.62 | -2.48 | -0.62 |
| 63 | CH_235 | 02_71P_047 | 71 | 35.21 | 10.23 | cloud | 16.90 | 5.63 | 7.04 |
| 64 | CH_213 | 02_71P_025 | 123 | 22.76 | -12.32 | cloud | 0.00 | -8.94 | -2.04 |
| 65 | CH_231 | 02_71P_043 | 66 | 31.82 | 19.91 | cloud | 3.03 | -9.09 | 7.58 |
| 66 | CH_215 | 02_71P_027 | 49 | 22.45 | 2.98 | cloud | 0.00 | -2.04 | -8.16 |
| 67 | CH_262 | 02_77D_007 | 54 | 20.37 | -31.82 | cloud | -1.85 | 0.00 | 0.00 |
| 68 | CH_271 | 02_78A_005 | 89 | 28.09 | 29.66 | cloud | 15.73 | 25.84 | 16.85 |
| 69 | CH_253 | 02_72M_007 | 90 | 22.22 | -4.73 | cloud | 6.67 | -5.56 | -11.11 |
| 70 | NP_86 | 02_72M_009 | 64 | 25.00 | 20.90 | cloud | -4.69 | -4.69 | 3.13 |
| 71 | SK_20 | 03_78A_014 | 94 | 65.96 | cloud | cloud | 40.43 | 36.17 | 24.47 |
| 72 | SK_19 | 03_78A_013 | 63 | 47.62 | 45.70 | cloud | 28.57 | 14.29 | 0.00 |
| 73 | CH_269 | 02_78A_003 | 124 | 33.87 | 22.35 | cloud | 14.52 | 6.45 | 4.84 |
| 74 | CH_270 | 02_78A_004 | 84 | 51.19 | 24.71 | cloud | 10.71 | 8.33 | 9.52 |
| 75 | SK_16 | 03_78A_009 | 54 | 24.07 | -62.56 | cloud | 3.70 | 12.96 | 7.41 |
| 76 | SK_4 | 03_77D_004 | 106 | 31.13 | 22.23 | cloud | 11.32 | 7.55 | 9.43 |
| 77 | SK_5 | 03_77D_005 | 79 | 29.11 | -23.83 | cloud | 10.13 | 7.59 | 15.19 |
| 78 | SK_9 | 03_78A_001 | 156 | 23.08 | 7.94 | cloud | 5.13 | 0.64 | 5.13 |
| 79 | SK_11 | 03_78A_003 | 58 | 220.69 | 2.20 | cloud | -5.17 | -27.59 | -1.72 |
| 80 | CH_488 | 03_77H_018 | 80 | 31.25 | cloud | cloud | 18.75 | -1.25 | -8.75 |
| 81 | CH_492 | 03_77H_023 | 47 | 23.40 | -6.80 | cloud | -2.13 | -2.13 | -19.15 |
| 82 | CH_159 | 02_71L_004 | 86 | 31.40 | -18.17 | cloud | 12.78 | 9.30 | 12.79 |
| 83 | CH_6 | 01_52O_003 | 148 | 40.54 | 48.13 | cloud | 22.30 | 42.57 | 43.92 |

Source: Monitoring of Glacier, Lakes and water Bodies in Himalayan region of Indian river basin for October 2018, Centre Water Commission

स्रोत: अक्टूबर 2018 के लिए भारतीय नदी द्रोणी के हिमालयी क्षेत्र में हिमखंडों, झीलों एवं जल पिंडों की निगरानी, केंद्रीय जल आयोग

**Statement 1.12 : Glacial lakes with significant change in water spread**

**विवरण 1.12 : हिमानी झीलें जिनके जल विस्तार में काफी परिवर्तन हुआ है**

**(b) Lakes with decreasing water spread**

**(ख) झीलें जिनका जल विस्तार घट रहा है**

**(>20% )**

| S. No. क्र. सं. | UID | Lake_ID | Water spread area in Ha जल विस्तार क्षेत्र (हेक्टेयर में) | % Difference in Water spread area जल विस्तार क्षेत्र में अंतर का प्रतिशत | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 (Inventory) (सूची) | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 |
| 1 | CH_59 | 01_61F_002 | 55 | -25.45 | 9.57 | CLOUD | -1.82 | -3.64 | 5.45 |
| 2 | UK_10 | 02_53P_002 | 734 | -38.56 | -40.59 | CLOUD | 21.25 | -41.96 | -35.97 |
| 3 | CH_589 | 03_77P_018 | 154 | -25.32 | 10.44 | -5.73 | -19.48 | -7.14 | 3.9 |
| 4 | SK_26 | 03_78A_021 | 56 | -39.29 | -20.41 | CLOUD | 14.29 | -10.71 | 3.57 |
| 5 | CH_609 | 03_78E_017 | 65 | -27.69 | CLOUD | CLOUD | -3.08 | -24.62 | -7.69 |
| 6 | CH_481 | 03_77H_007 | 924 | -34.52 | CLOUD | CLOUD | -22.29 | -49.68 | -27.06 |

Source: Monitoring of Glacier, Lakes and water Bodies in Himalayan region of Indian river basin for October 2018, Centre
स्रोत: अक्टूबर 2018 के लिए भारतीय नदी द्रोणी के हिमालयी क्षेत्र में हिमखंडों, झीलों एवं जल पिंडों की निगरानी, केंद्रीय जल

## Statement 1.17: Marine Fishery Resources of India
## विवरण 1.17 : भारत के समुद्री मछली पालन संसाधन

| State/U.T. | Coastal length (Kms.) तटीय लंबाई (कि.मी) | Landing Centres अवतरण केंद्र | Fishing Villages मछली पकड़ने वाले गांव | Fishermen Families मछुआरा परिवार | Traditional Fisherman Families परंपरागत मछुआरा परिवार | BPL Families बीपीएल परिवार | Fisherfolk Population मछुआरों की आबादी | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|
| Andhra Pradesh | 974 | 353 | 555 | 163427 | 161039 | 159101 | 605428 | आंध्र प्रदेश |
| Goa | 104 | 33 | 39 | 2189 | 2147 | 489 | 10545 | गोवा |
| Gujarat | 1600 | 121 | 247 | 62231 | 59469 | 15784 | 336181 | गुजरात |
| Karnataka | 300 | 96 | 144 | 30713 | 28533 | 23624 | 167429 | कर्नाटक |
| Kerala | 590 | 187 | 222 | 118937 | 116321 | 65459 | 610165 | केरल |
| Maharashtra | 720 | 152 | 456 | 81492 | 74203 | 15509 | 386259 | महाराष्ट्र |
| Odisha | 480 | 73 | 813 | 114238 | 87541 | 56279 | 605514 | ओडिशा |
| Tamil Nadu | 1076 | 407 | 573 | 192697 | 185465 | 127245 | 802912 | तमिलनाडु |
| West Bengal | 158 | 59 | 188 | 76981 | 53532 | 48870 | 380138 | पश्चिम बंगाल |
| Daman & Diu | 21 | 5 | 11 | 7374 | 7181 | 333 | 40016 | दमन एवं दीव |
| Puducherry | 45 | 25 | 40 | 14271 | 14248 | 10998 | 54627 | पुद्दुचेरी |
| **Total** | **6068** | **1511** | **3288** | **864550** | **789679** | **523691** | **3999214** | **कुल** |

*Source: Marine Fisheries Census, 2010, Central Marine Fisheries Research Institute(CMFRI), D/o Animal Husbandry, Dairying & Fisheries*

स्रोत: समुद्री मछली पालन जनगणना, 2010, केन्द्रीय समुद्री मात्स्यिकी अनुसंधान संस्थान, पशुपालन, डेयरी एवं मछली पालन विभाग

Note: In West Bengal, villages mean Gram panchayat.

**Statement 1.18 : Coral Reefs in India**

**विवरण 1.18 : भारत में प्रवाल भित्तियां**

**(a) :Area-distribution of Coral Reefs**

**(क) : क्षेत्र-प्रवाल भित्तियों का वितरण**

| Sr. No क्र. सं. | Lakshadweep लक्षद्वीप | | |
|---|---|---|---|
| | Class Name | Area $Km^2$ क्षेत्रफल वर्ग कि.मी | वर्ग का नाम |
| 1 | Shallow Lagoon | 107.15 | उथला लगून |
| 2 | Deep Lagoon | 135.88 | गहन लगून |
| 3 | Inlet | 0.48 | इनलेट |
| 4 | Lagoonal Patch Reef | 1.6 | लगूनीय चप्पा शैलभित्ति |
| 5 | Beach/Exposed Sand | 9.78 | बीच/उद्भासित बालू |
| 6 | Lagoon(Shallow Sandy) | 110.21 | लगून (उथला बलुआ) |
| 7 | Sea Grass/Algae | 9.77 | समुद्री घास/शैवाल |
| 8 | Boulders/Dead Corals | 7.31 | बोल्डर/मृत प्रवाल |
| 9 | Live Corals Zone (Open/Scattered)/Aligned Coral Zone | 29.77 | जिंदा प्रवाल क्षेत्र (खुला/बिखरा) संरेखित प्रवाल क्षेत्र |
| 10 | Live Corals Zone (Dense)/Aligned Coral Zone | 7.24 | जिंदा प्रवाल क्षेत्र (घना)/संरेखित प्रवाल क्षेत्र |
| 11 | Coralline shelf | 118 | प्रवाल रेखा उपतट |
| 12 | Live Corals Zone (Deep Lagoon) | 57.17 | जिंदा प्रवाल क्षेत्र (गहन लगून) |
| 13 | Live Corals Zone (Intermediate Depth) | 4.48 | जिंदा प्रवाल क्षेत्र (मध्यवर्ती गहराई) |
| 14 | Coral Knolls | 2.47 | प्रवाल टेकरी |
| 15 | Reef Front (Live Corals) | 3.48 | शैलभित्ति फ्रंट (जिंदा प्रवाल) |

| Gulf of Mannar मन्नार की खाड़ी | | | |
|---|---|---|---|
| S. No. | Class Name | Area $Km^2$ क्षेत्रफल वर्ग कि.मी | वर्ग का नाम |
| 1 | Sand | 1.65 | रेत |
| 2 | Sandy substrate | 18.56 | बालुई अवस्तर |
| 3 | Sandy substrate Deep | 34.12 | बालुई अवस्तर गहन |
| 4 | Sea Grass | 11.16 | समुद्री घास |
| 5 | Rubbles Zone | 1.01 | रबल क्षेत्र |
| 6 | Live Corals Zone with sea grass | 9.15 | समुद्री घास के साथ जिंदा प्रवाल क्षेत्र |
| 7 | Dead Corals | 2.45 | मृत प्रवाल |
| 8 | Windward Reef Front | 3.22 | हवा की दिशा वाले शैलभित्ति फ्रंट |
| 9 | Algal Ridge | 0.32 | शैवाल युक्त कटक |

| Gulf of Kachchh कच्छ की खाड़ी | | | |
|---|---|---|---|
| **Sr. No क्रम संख्या** | **Class Name** | **Area $Km^2$ क्षेत्रफल वर्ग कि.मी** | **वर्ग का नाम** |
| 1 | Turbid Water | 7.62 | पंकिल जल |
| 2 | Mud | 90.01 | पंक |
| 3 | Sand | 13.13 | बालू |
| 4 | Matty Algae | 3.82 | मैटी शैवाल |
| 5 | Algae with Mud and Sand | 30.04 | पंक एवं बालू बाला बीच |
| 6 | Inner Reef (Live Corals with Algae) | 77.11 | आंतरिक शैलभित्ति (शैवाल के साथ जिंदे प्रवाल) |
| 7 | Outer Reef (Live Corals with Algae) | 26.77 | बाहरी शैलभित्ति (शैवाल के साथ जिंदे प्रवाल) |
| 8 | Algal Ridge (live Corals with Algae) | 14.81 | शैवाल युक्त कटक (शैवाल के साथ) |
| 9 | Sea Grass/Algae | 5.74 | समुद्री घास/शैवाल |
| 10 | Live Corals (More than 80%) | 16.25 | जिंदे प्रवाल (80 प्रतिशत से अधिक) |
| 11 | Deep Water Live Corals | 5.46 | गहरे पानी के जिंदे प्रवाल |
| 12 | Deep Corals with sand and Algae | 1.01 | बालू एवं शैवाल के साथ गहन प्रवाल |
| 13 | Dead Corals | 2.28 | मृत प्रवाल |
| 14 | Sandy Substrate | 2.52 | बालुई अवस्तर |
| 15 | Reef Slope (No Live Corals) | 0.19 | शैलभित्ति ढलान (कोई जिंदा प्रवाल नहीं) |
| 16 | Windward Reef Front | 3.6 | हवा की दिशा वाले शैलभित्ति फ्रंट |
| **Andaman & Nicobar Islands अंडमान एवं निकोबार द्वीपसमूह** | | | |
| **S. No.** | **Class Name** | **Area $Km^2$ क्षेत्रफल वर्ग कि.मी** | **वर्ग का नाम** |
| 1 | Sandy Beach | 16.71 | बालू-तट |
| 2 | Sandy Substrate (<5 m) | 49.07 | बालुई अवस्तर (<5 मीटर) |
| 3 | Sandy Substrate Deep (>5 m) | 67.23 | बालुई अवस्तर गहन (<5 मीटर) |
| 4 | Rock with sandy substrate | 25.52 | बालुई अवस्तर वाल शैल |
| 5 | live Corals with Rocks | 5.74 | शैल के साथ जिंदा प्रवाल |
| 6 | Live Corals with Sand | 3.12 | बालू के साथ जिंदा प्रवाल |
| 7 | Exposed Rocky Land | 5.2 | उद्भासित शैलीय भूमि |
| 8 | Sea Grass | 0.04 | समुद्री घास |
| 9 | Dead Corals | 0.12 | मृत प्रवाल |

Source: State of Forest Report 2011, FSI

स्रोत: राज्य वन रिपोर्ट 2011, एफएसआई

**Statement 1.18 : Coral Reefs in India**

**विवरण 1.18 : भारत में प्रवाल भित्तियां**

**(b) : Diversity of hermatypic corals in the Indian Ocean**

**(ख) : हिंद महासागर में वायुरुद्ध प्रवालों की विविधता**

| Locality स्थल | Genera जातियां | Species प्रजातियां |
|---|---|---|
| Gulf of Kutch* कच्छ की खाड़ी* | 24 | 37 |
| West Coast Patches* पश्चिमी तट के पैबंद* | 17 | 29 |
| Lakshadweep Islands लक्षद्वीप द्वीपसमूह | 37 | 103 |
| Palk bay and Gulf of Mannar पाल्क खाड़ी, मन्नार की खाड़ी | 36 | 96 |
| Tuticorin तूतीकोरिन | 19 | 21 |
| Andaman Islands अंडमान द्वीपसमूह | 31 | 82 |
| Nicobar Islands निकोबार द्वीपसमूह | 43 | 103 |
| Total for India* भारत के लिए कुल* | 37 | 199 |

Source/स्रोत : Bakus G.J (1994) (ed.) *"Coral reef Ecosystem*," Oxford and IBH Publishing Co. India. C.M.F.R.I (1989), *Bulletin No 43: "Marine Living Resources of the U.T of Lakshadweep,* CMFRI, Cochin. India

* Pillai, C.S.G. (1996) "Coral reefs of India: Their Conservation and Management, in *(Pillai CSG and Menon N.G. eds) "Marine Biodiversity, Conservation and Management,"* CMFRI, Cochin, India.

**Statement 1.19: State-wise area by major soil type**

**विवरण 1.19 : मृदा के प्रमुख प्रकार के अनुसार राज्यवार क्षेत्रफल**

| Sr. No. | State | Major Soils Area (Thousand ha) प्रमुख मृदा क्षेत्र (हजार हेक्टेयर) | | | | | | | | | | | | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Alluvial soils जलोढ़ मृदा | Coastal Alluvial soils तटीय जलोढ़ मृदा | Black Soils काली मृदा | Brown forest soils बादामी वन मृदा | Beaches बीच | Mountain meadow soils पर्वतीय शादवल मृदा | Laterites लेटराइट | Sub-montane soils अवपर्वतीय मृदा | Salt Waste लवण अपशिष्ट | Sand dunes बालू टिब्बा | Greeks and Lagoons क्रीक एवं लगून | Gullied land नालीदार भूमि | Glaciers हिमनद | Desert Soils मरुस्थली मृदा | Hill Soils पहाड़ी मृदा | Water bodies जल पिंड | Peat Soils पीट मृदा | Red Soils लाल मृदा | Rock outerops शैल दृश्यांश | Rock Land शैल भूमि | Teral Soils तराई मृदा | Mangrove swamps मैंग्रोव अनूप | Miscellaneous विविध | Others अन्य | Total कुल | |
| 1 | Andhra Pradesh | 2432.68 | 785.15 | 4727.26 | | | | 7003.35 | | | | | | | | | | | 9930.11 | | | | | | 2625.95 | 27504.50 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 251.61 | | | | | | | | | | | | | | | | | 8004.46 | | | | | | 118.23 | 8374.30 | अरुणाचल प्रदेश |
| 3 | Assam | 1204.68 | | | | | | | | | | | | | | | | | 6292.32 | | | | | | 346.80 | 7843.80 | असम |
| 4 | Bihar (including Jharkhand) | 9012.82 | | 11.52 | | | | | | | | | | | | | | | 7113.67 | 18.72 | | | | | 470.12 | 16626.85 | बिहार (झारखंड सहित) |
| 5 | Delhi | 94.58 | | | | | | | | | | | | | | | | | 6.06 | | | | | | 47.66 | 148.30 | दिल्ली |
| 6 | Goa | 281.98 | | | | | | | | | | | | | | | | | 70.04 | | | | | | 18.18 | 370.20 | गोवा |
| 7 | Gujarat | 6703.43 | 2021.06 | 5308.68 | | | | | | | | | | | 2534.87 | | | | 101.40 | | | | | | 2932.96 | 19602.40 | गुजरात |
| 8 | Haryana | 3828.93 | | 12.74 | | | | | | | | | | | 409.07 | | | | | | | | | | 170.46 | 4421.20 | हरियाणा |
| 9 | Himachal Pradesh | 1054.00 | | | | | - | | | | | | | 248.04 | | | | | 2917.11 | 1348.15 | | | | | | 5567.30 | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 11869.76 | | | | | 60.14 | | 103.84 | | | | | 850.60 | | | 113.70 | | - | 9225.56 | | | | | - | 22223.60 | जम्मू एवं कश्मीर |
| 11 | Karnataka | 1825.54 | 913.21 | 6685.43 | 263.30 | | | 4446.77 | | | | | | | | | | | 4344.98 | | 355.61 | | | | 344.26 | 19179.10 | कर्नाटक |
| 12 | Kerala | 315.16 | 191.20 | | | | | 955.16 | | | | | | | | | | | 2044.90 | 202.88 | | | | | 177.00 | 3886.30 | केरल |
| 13 | Madhya Pradesh* | 11867.72 | | 15203.57 | | | | | | | | | | | | | | | 16601.28 | 13.51 | | | | | 658.52 | 44344.60 | मध्य प्रदेश* |
| 14 | Maharashtra | 8577.24 | | 15423.78 | 276.72 | | | 64.05 | | | | | | | | | | | 4302.86 | 274.75 | | | | | 1844.60 | 30764.00 | महाराष्ट्र |
| 15 | Manipur | 318.04 | | | | | | | | | | | | | | 428.44 | | | 1432.40 | 3.90 | | | | | 49.92 | 2232.70 | मणिपुर |
| 16 | Meghalaya | 167.62 | | | | | | | | | | | | | | | | | 2075.28 | | | | | | | 2242.90 | मेघालय |
| 17 | Mizoram | 107.30 | | | | | | | | | | | | | | | | | 1840.44 | | | | | | 160.36 | 2108.10 | मिजोरम |
| 18 | Nagaland | | | | | | | | | | | | | | | | | | 1604.44 | | | | | | 53.46 | 1657.90 | नागालैंड |
| 19 | Odisha | 4527.71 | 2214.89 | 908.30 | | | | 1960.63 | | | | | | | | 1372.06 | | | 3948.85 | | | | | | 638.26 | 15570.70 | ओडिशा |
| 20 | Punjab | 3897.48 | | | | | | | | | | | | | 957.51 | 131.81 | | | | | | | | | 49.40 | 5036.20 | पंजाब |
| 21 | Rajasthan | 6992.47 | | 1678.12 | | | | | | 36.92 | 49.08 | | | | 22381.95 | | | | 588.22 | 1656.60 | | | | 837.46 | 2586.22 | 36807.04 | राजस्थान |
| 22 | Sikkim | | | | | | | | | | | | | 101.40 | | | | | 523.16 | | | 78.34 | | | 6.70 | 709.60 | सिक्किम |
| 23 | Tamil Nadu | 704.44 | 178.64 | 2334.74 | | | | 1934.27 | | | | | | | | | | | 7009.01 | 73.21 | 474.57 | | | | 296.92 | 13005.80 | तमिलनाडु |
| 24 | Tripura | 243.08 | | | | | | | | | | | | | | 90.92 | | 2.40 | 706.69 | | | | | | 5.51 | 1048.60 | त्रिपुरा |
| 25 | Uttar Pradesh * | 23089.58 | | 1494.46 | | | | | | | | | | | | | | | 3926.97 | | | 83.01 | | | 847.08 | 29441.10 | उत्तर प्रदेश* |
| 26 | West Bengal | 3247.43 | 3369.40 | | | | | 1727.96 | | | | | | | | 238.54 | | | | 18.20 | | | | | 273.67 | 8875.20 | पश्चिम बंगाल |
| 27 | Andaman & Nicobar | 197.00 | 362.70 | | | | | | | | | | | | | | | | 89.57 | | | | 114.46 | | 61.17 | 824.90 | अंडमान एवं निकोबार |
| 28 | Lakshadweep | | 2.49 | | | | | | | | 0.05 | | | | | | | | | | | | | 0.56 | 0.10 | 3.20 | लक्षद्वीप |
| 29 | Puducherry | 11.31 | 10.53 | 14.61 | | 0.92 | | 1.32 | | | | 0.09 | 0.20 | | | | | | 0.74 | | | | | | 9.48 | 49.20 | पुदुचेरी |

Source: National Bureau of Soil Survey and Land Use Planning (ICAR) Nagpur

स्रोत : राष्ट्रीय मृदा सर्वेक्षण और भूमि प्रयोग आयोजना ब्यूरो (आईसीएआर), नागपुर

* Including Uttarakhand (with UP) and Chhattisgarh( with MP)

**Statement 1.20 : State-wise district-wise degraded land**

**विवरण 1.20 : राज्यवार और जिलावार विकृत भूमि**

**(Upto March/ मार्च, 2018 तक)** **(hectare/हेक्टेयर)**

| Sl. No. क्र. सं. | State/UT | District | | Total Area कुल क्षेत्रफल | Total Degraded Land area विकृत भूमि का कुल क्षेत्रफल | % Degraded Land Area विकृत भूमि के क्षेत्रफल का प्रतिशत | राज्य/संघ राज्य क्षेत्र | जिला |
|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 1 | Chittor | 1492644 | 127725 | 8.56 | आंध्र प्रदेश | चित्तौर |
| | | 2 | Kurnool | 1761393 | 309412 | 17.57 | | कुर्नूल |
| | | 3 | Nellore | 1307600 | 169808 | 12.99 | | नेल्लोर |
| | | | **Total of affected districts** | **4561637** | **606945** | **13.31** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **16296800** | **606945** | **3.72** | **कुल राज्य** | |
| 2 | Bihar | 1 | Banka | 278768 | 29294 | 10.51 | बिहार | बंका |
| | | 2 | Bhagalpur | 255822 | 32589 | 12.74 | | भागलपुर |
| | | 3 | Gaya | 473659 | 7727 | 1.63 | | गया |
| | | 4 | Munger | 634594 | 144617 | 22.79 | | मुंगेर |
| | | 5 | Siwan | 221900 | 22611 | 10.19 | | सिवान |
| | | | **Total of affected districts** | **1864743** | **236838** | **12.70** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **9416300** | **236838** | **2.52** | **कुल राज्य** | |
| 3 | Goa | 1 | North Goa | 175592 | 24634 | 14.03 | गोवा | उत्तरी गोवा |
| | | 2 | South Goa | 194608 | 19639 | 10.09 | | दक्षिणी गोवा |
| | | | **Total of affected districts** | **370200** | **44273** | **11.96** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **370200** | **44273** | **11.96** | **कुल राज्य** | |
| 4 | Gujarat | 1 | Bharuch | 776430 | 192841 | 24.84 | गुजरात | भारूच |
| | | 2 | Bhavnagar | 1115500 | 271337 | 24.32 | | भावनगर |
| | | 3 | Surat | 776161 | 85469 | 11.01 | | सूरत |
| | | | **Total of affected districts** | **2668091** | **549647** | **20.60** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **19624400** | **549647** | **2.80** | **कुल राज्य** | |
| 5 | Himachal Pradesh | 1 | Chamba | 671500 | 74238 | 11.06 | हिमाचल प्रदेश | चंबा |
| | | 2 | Kullu | 566604 | 259127 | 45.73 | | कुल्लू |
| | | | **Total of affected districts** | **1238104** | **333365** | **26.93** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **5567300** | **333365** | **5.99** | **कुल राज्य** | |
| 6 | Jharkhand | 1 | East Singhbhum | 337155 | 27783 | 8.24 | झारखंड | पूर्वी सिंहभूम |
| | | 2 | Palamau | 802291 | 50363 | 6.28 | | पलामू |
| | | 3 | Sarailela- Kharsawan | 272340 | 37050 | 13.60 | | सारयलेला- खारसवान |
| | | 4 | West Singhbhoom | 529021 | 58539 | 11.07 | | पश्चिमी सिंहभूम |
| | | | **Total of affected districts** | **1940807** | **173735** | **8.95** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **7971600** | **173735** | **2.18** | **कुल राज्य** | |
| 7 | Karnataka | 1 | Bagalkot | 658877 | 135145 | 20.51 | कर्नाटक | बागलकोट |
| | | 2 | Bijapur | 1053471 | 256010 | 24.30 | | बीजापुर |
| | | 3 | Chickmagalur | 722072 | 16038 | 2.22 | | चिकमगलुर |
| | | 4 | Gulbarga | 1610208 | 313347 | 19.46 | | गुलबर्ग |
| | | 5 | Tumkur | 1055090 | 58808 | 5.57 | | तुमकुर |
| | | | **Total of affected districts** | **5099718** | **779348** | **15.28** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **19179100** | **779348** | **4.06** | **कुल राज्य** | |
| 8 | Kerala | 1 | Palghat | 448000 | 16204 | 3.62 | केरल | पालघाट |
| | | | **Total of affected districts** | **448000** | **16204** | **3.62** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **3885200** | **16204** | **0.42** | **कुल राज्य** | |

**Statement 1.20 : State-wise district-wise degraded land**

**विवरण 1.20 : राज्यवार और जिलावार विकृत भूमि**

**(Upto March/ मार्च, 2018 तक)** **(hectare/हेक्टेयर)**

| Sl. No. क्र. सं. | State/UT | District | | Total Area कुल क्षेत्रफल | Total Degraded Land area विकृत भूमि का कुल क्षेत्रफल | % Degraded Land Area विकृत भूमि के क्षेत्रफल का प्रतिशत | राज्य/संघ राज्य क्षेत्र | जिला |
|---|---|---|---|---|---|---|---|---|
| 9 | Madhya Pradesh | 1 | Balaghat | 924500 | 112941 | 12.22 | मध्य प्रदेश | बालाघाट |
| | | 2 | Chattarpur | 863120 | 191511 | 22.19 | | छत्तरपुर |
| | | 3 | Gwalior | 456449 | 144079 | 31.57 | | ग्वालियर |
| | | 4 | Jhabua | 646912 | 322601 | 49.87 | | झाबुआ |
| | | 5 | Morena | 1168336 | 373553 | 31.97 | | मुरेना |
| | | 6 | Ratlam | 486007 | 160244 | 32.97 | | रतलाम |
| | | 7 | Sidhi | 1039194 | 228736 | 22.01 | | सिधी |
| | | 8 | Ujjain | 609874 | 129700 | 21.27 | | उज्जैन |
| | | | **Total of affected districts** | **6194392** | **1663365** | **26.85** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **30825200** | **1663365** | **5.40** | **कुल राज्य** | |
| 10 | Maharashtra | 1 | Bhandara | 934716 | 49933 | 5.34 | महाराष्ट्र | भंडारा |
| | | 2 | Nasik | 1527764 | 647462 | 42.38 | | नासिक |
| | | 3 | Wardha | 630900 | 69308 | 10.99 | | वर्धा |
| | | | **Total of affected districts** | **3093380** | **766703** | **24.79** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **30771300** | **766703** | **2.49** | **कुल राज्य** | |
| 11 | Manipur | 1 | East Imphal | 57800 | 10238 | 17.71 | मणिपुर | पूर्वी इंफाल |
| | | 2 | West Imphal | 51900 | 15098 | 29.09 | | पश्चिमी इंफाल |
| | | | **Total of affected districts** | **109700** | **25336** | **23.10** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **2232700** | **25336** | **1.13** | **कुल राज्य** | |
| 12 | Meghalaya | 1 | East Garohills | 260300 | 34201 | 13.14 | मेघालय | पूर्वी गारोहिल्स |
| | | 2 | Jaintia Hills | 381900 | 178666 | 46.78 | | जयंतिया हिल्स |
| | | 3 | South Garohills | 185700 | 8003 | 4.31 | | दक्षिणी गारोहिल्स |
| | | 4 | West Garohills | 370700 | 42516 | 11.47 | | पश्चिमी गारोहिल्स |
| | | | **Total of affected districts** | **1198600** | **263386** | **21.97** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **2242900** | **263386** | **11.74** | **कुल राज्य** | |
| 13 | Mizoram | 1 | Aizawl | 357631 | 109184 | 30.53 | मिजोरम | आइजवाल |
| | | 2 | Champhai | 318583 | 184795 | 58.01 | | चम्फाई |
| | | 3 | Kolasib | 138251 | 16865 | 12.20 | | कोलासिब |
| | | 4 | Lawngtlai | 199119 | 95965 | 48.19 | | लांगतलई |
| | | 5 | Lunglei | 453800 | 59913 | 13.20 | | लुंगलेई |
| | | 6 | Mamit | 302575 | 50986 | 16.85 | | मामित |
| | | 7 | Saiha | 196581 | 29416 | 14.96 | | सैहा |
| | | 8 | Serchhip | 142160 | 70702 | 49.73 | | सेरछिप |
| | | | **Total of affected districts** | **2108700** | **617826** | **29.30** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **2108700** | **617826** | **29.30** | **कुल राज्य** | |
| 14 | Nagaland | | Kohima, Phek, Wokha, Zunheboto | 1657900 | 441339 | 26.62 | नागालैंड | कोहिमा, फेक, वोखा, [illegible] |
| | | | **Total of affected districts** | **1657900** | **441339** | **26.62** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **1657900** | **441339** | **26.62** | **कुल राज्य** | |
| 15 | Rajasthan | 1 | Ajmer | 842388 | 398913 | 47.36 | राजस्थान | अजमेर |
| | | 2 | Jhunjhunu | 591681 | 81478 | 13.77 | | झुंझुनु |
| | | 3 | Nagaur | 1764504 | 361120 | 20.47 | | नागौर |
| | | 4 | Rajsamand | 455093 | 136908 | 30.08 | | राजसमंद |
| | | | **Total of affected districts** | **3653666** | **978419** | **26.78** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **34223900** | **978419** | **2.86** | **कुल राज्य** | |

**Statement 1.20 : State-wise district-wise degraded land**

**विवरण 1.20 : राज्यवार और जिलावार विकृत भूमि**

**(Upto March/ मार्च, 2018 तक)** **(hectare/हेक्टेयर)**

| Sl. No. क्र. सं. | State/UT | District | | Total Area कुल क्षेत्रफल | Total Degraded Land area विकृत भूमि का कुल क्षेत्रफल | % Degraded Land Area विकृत भूमि के क्षेत्रफल का प्रतिशत | राज्य/संघ राज्य क्षेत्र | जिला |
|---|---|---|---|---|---|---|---|---|
| 16 | Sikkim | 1 | East | 95400 | 5922 | 6.21 | सिक्किम | पूर्वी |
| | | 2 | West | 116600 | 17274 | 14.81 | | पश्चिमी |
| | | 3 | North | 422600 | 94963 | 22.47 | | उत्तरी |
| | | 4 | South | 75000 | 5323 | 7.10 | | दक्षिणी |
| | | | **Total of affected districts** | **709600** | **123482** | **17.40** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **709600** | **123482** | **17.40** | **कुल राज्य** | |
| 17 | Tamil Nadu | 1 | Coimbatore | 746128 | 19566 | 2.62 | तमिलनाडु | कोयम्बटूर |
| | | 2 | Dharmapuri | 962247 | 194502 | 20.21 | | धर्मापुरी |
| | | 3 | Erode | 825997 | 5579 | 0.68 | | इरोड |
| | | 4 | Thirunelveli | 682308 | 36240 | 5.31 | | तिरूनेलवेली |
| | | 5 | Tuticorin | 459054 | 78213 | 17.04 | | तूतीकोरिन |
| | | | **Total of affected districts** | **3675734** | **334100** | **9.09** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **13006000** | **334100** | **2.57** | **कुल राज्य** | |
| 18 | Tripura | 1 | West | 303300 | 21385 | 7.05 | त्रिपुरा | पश्चिमी |
| | | 2 | South | 314000 | 33396 | 10.64 | | दक्षिणी |
| | | 3 | North | 210070 | 60732 | 28.91 | | उत्तरी |
| | | 4 | Dhalai | 221230 | 47323 | 21.39 | | दलही |
| | | | **Total of affected districts** | **1048600** | **162836** | **15.53** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **1048600** | **162836** | **15.53** | **कुल राज्य** | |
| 19 | Uttar Pradesh | 1 | Agra | 400369 | 92650 | 23.14 | उत्तर प्रदेश | आगरा |
| | | 2 | Bijnor | 454057 | 37732 | 8.31 | | बिजनौर |
| | | 3 | Lalitpur | 504149 | 95450 | 18.93 | | ललितपुर |
| | | 4 | Mathura | 376432 | 22975 | 6.10 | | मथुरा |
| | | 5 | Sitapur | 570633 | 88717 | 15.55 | | सीतापुर |
| | | | **Total of affected districts** | **2305640** | **337524** | **14.64** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **24092800** | **337524** | **1.40** | **कुल राज्य** | |
| 20 | West Bengal | 1 | North 24 Pargana | 378090 | 64062 | 16.94 | पश्चिम बंगाल | उत्तरी 24 परगना |
| | | 2 | Puruliya | 625100 | 198619 | 31.77 | | पुरूलिया |
| | | 3 | South 24 Paragna | 966171 | 263635 | 27.29 | | दक्षिणी 24 परगना |
| | | | **Total of affected districts** | **1969361** | **526316** | **26.73** | | **प्रभावित जिलों का योग** |
| | **State Total** | | | **8875200** | **526316** | **5.93** | **कुल राज्य** | |
| **GRAND TOTAL** | | **82 Districts** | | **45916573** | **8853262** | **19.28** | | **82 जिले** |
| **India Total** | | | | **328746900** | **8853262** | **2.69** | | |

Source: Soil and Land Use Survey of India, Ministry of Agriculture and Farmers' Welfare

**स्रोत :भारतीय मृदा और भूमि उपयोग सर्वेक्षण, कृषि और किसान कल्याण मंत्रालय**

**Statement 1.21: State-wise degraded land by type of soil degradation**

**विवरण 1.21: मृदा की विकृति के प्रकार के अनुसार राज्यवार विकृत भूमि**

**(Area in Ha./क्षेत्रफल हेक्टेयर में)**

| State Name | Vegetation Degradation वनस्पति निम्नीकरण | | Water Erosion जल अपरदन | | Wind Erosion वायु अपरदन | | Salinity लवणता | | Water Logging जल भराव | | Frost Shattering तुषार विध्वंस | | राज्य का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2011-13 | 2003-05 | 2011-13 | 2003-05 | 2011-13 | 2003-05 | 2011-13 | 2003-05 | 2011-13 | 2003-05 | 2011-13 | 2003-05 | |
| Andhra Pradesh | 1164257 | 1168447 | 789433 | 783830 | 3986 | 4722 | 117952 | 117239 | 132334 | 125755 | - | - | आंध्र प्रदेश |
| Arunachal Pradesh | 120499 | 107845 | - | - | - | - | - | - | - | - | 20186 | 19072 | अरुणाचल प्रदेश |
| Assam | 471958 | 322540 | 31424 | 31424 | - | - | - | - | 186667 | 193669 | - | - | असम |
| Bihar | 242525 | 255073 | 321175 | 304364 | - | - | - | - | 106628 | 78450 | - | - | बिहार |
| Chhattisgarh | 1348089 | 1348122 | 783645 | 770387 | - | - | - | - | - | - | - | - | छत्तीसगढ़ |
| Delhi | 9980 | 9980 | - | - | - | - | - | - | 347 | 347 | - | - | दिल्ली |
| Goa | 138172 | 132301 | 33889 | 33892 | - | - | - | - | 9005 | 9003 | - | - | गोवा |
| Gujarat | 2319826 | 2255417 | 3859497 | 3788099 | 1177105 | 1179548 | 2645405 | 2643828 | 3375 | 3375 | - | - | गुजरात |
| Haryana | 41411 | 40514 | 13568 | 13568 | 151797 | 148151 | 27841 | 27841 | 12530 | 8822 | - | - | हरियाणा |
| Himachal Pradesh | 1790803 | 1582938 | 268261 | 233990 | - | - | - | - | - | - | 332423 | 322417 | हिमाचल प्रदेश |
| Jammu and Kashmir | 1951000 | 1907187 | 146932 | 110222 | 1670244 | 1650577 | - | - | 70563 | 46548 | 2968279 | 2750257 | जम्मू एवं कश्मीर |
| Jharkhand | 1379038 | 1307162 | 4036785 | 4037261 | - | - | - | - | - | - | - | - | झारखंड |
| Karnataka | 1712386 | 1704569 | 5043041 | 5059629 | 2159 | 2159 | 86740 | 86582 | - | - | - | - | कर्नाटक |
| Kerala | 337613 | 328638 | - | - | - | - | - | - | 11989 | 12906 | - | - | केरल |
| Madhya Pradesh | 2523801 | 2514983 | 1125418 | 1120221 | - | - | - | - | 7788 | 7788 | - | - | मध्य प्रदेश |
| Maharashtra | 4884005 | 4890778 | 8060753 | 7622800 | - | - | 29089 | 30054 | - | - | - | - | महाराष्ट्र |
| Manipur | 575603 | 574706 | 8070 | 8070 | - | - | - | - | 5026 | 5026 | - | - | मणिपुर |
| Meghalaya | 435527 | 414659 | 53149 | 54046 | - | - | - | - | 1548 | 5881 | - | - | मेघालय |
| Mizoram | 167050 | 81854 | 8119 | 7444 | - | - | - | - | - | - | - | - | मिजोरम |
| Nagaland | 778421 | 637957 | - | - | - | - | - | - | - | - | - | - | नागालैंड |
| Odisha | 745122 | 752929 | 4409413 | 4442556 | - | - | - | - | 36439 | 36439 | - | - | ओडिशा |
| Punjab | 32561 | 18705 | 14116 | 1897 | - | - | - | - | - | - | - | - | पंजाब |
| Rajasthan | 2606221 | 2596003 | 2116314 | 2116082 | 15197874 | 15332054 | 363768 | 365666 | 18421 | 18421 | - | - | राजस्थान |
| Sikkim | 74318 | 74205 | - | - | - | - | - | - | - | - | 3730 | 3730 | सिक्किम |
| Tamil Nadu | 1385478 | 1368330 | 6411 | 6411 | 30429 | 30429 | 9878 | 9878 | - | - | - | - | तमिलनाडु |
| Telangana | 541145 | 538533 | 2854285 | 2951871 | - | - | 86514 | 81917 | - | - | - | - | तेलंगाना |
| Tripura | 236374 | 125058 | 186900 | 189533 | - | - | - | - | - | - | - | - | त्रिपुरा |
| Uttar Pradesh | 413476 | 414176 | 586961 | 610989 | - | - | 307571 | 636202 | 33620 | 33907 | - | - | उत्तर प्रदेश |
| Uttarakhand | 606616 | 545610 | 11943 | 11943 | - | - | - | - | - | - | 13786 | 13786 | उत्तराखंड |
| West Bengal | 265277 | 264325 | 1329539 | 1299542 | - | - | - | - | 17627 | 13261 | - | - | पश्चिम बंगाल |
| **Total** | **29298553** | **28283544** | **36099042** | **35610069** | **18233594** | **18347639** | **3674759** | **3999206** | **653908** | **599597** | **3338404** | **3109262** | कुल |

Source: Desertification and Land Degradation Atlas Of India - 2016, Space Applications Centre, ISRO

स्रोत : भारत के मरुस्थलीकरण एवं भूमि निम्नीकरण का एटलस, 2016, अंतरिक्ष अनुप्रयोग केंद्र, इसरो

**Statement 1.21: State-wise degraded land by type of soil degradation**

**विवरण 1.21: मृदा की विकृति के प्रकार के अनुसार राज्यवार विकृत भूमि**

(Area in Ha./क्षेत्रफल हेक्टेयर में)

| State Name | Mass Movement जन आंदोलन | | Manmade मानव निर्मित | | Barren/Rocky बंजर/शैलीय | | Settlement बस्ती | | Total Area under Desertification मरुस्थलीकरण के तहत कुल क्षेत्रफल | | Total Area under Desertification (%) मरुस्थलीकरण के तहत कुल क्षेत्रफल (प्रतिशत में) | | No Apparent Degradation कोई प्रकट निम्नीकरण नहीं | | राज्य का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2011-13 | 2003-05 | 2011-13 | 2003-05 | 2011-13 | 2003-05 | 2011-13 | 2003-05 | 2011-13 | 2003-05 | 2011-13 | 2003-05 | 2011-13 | 2003-05 | |
| Andhra Pradesh | - | - | 20833 | 20565 | 20521 | 20521 | 49441 | 26649 | 2298758 | 2267728 | 14.35 | 14.16 | 13447078 | 13476591 | आंध्र प्रदेश |
| Arunachal Pradesh | - | - | - | - | - | - | 13247 | 9769 | 153933 | 136686 | 1.84 | 1.63 | 8144850 | 8162237 | अरुणाचल प्रदेश |
| Assam | - | - | - | - | - | - | 26548 | 24583 | 716596 | 572215 | 9.14 | 7.3 | 6591013 | 6735134 | असम |
| Bihar | - | - | 984 | 984 | - | - | 23496 | 20669 | 694809 | 659539 | 7.38 | 7 | 8511828 | 8527091 | बिहार |
| Chhattisgarh | - | - | 40541 | 31972 | 7222 | 7222 | 31656 | 18685 | 2211153 | 2176388 | 16.36 | 16.1 | 11130592 | 11166012 | छत्तीसगढ़ |
| Delhi | - | - | - | - | - | - | 79541 | 63187 | 89868 | 73514 | 60.6 | 49.57 | 57307 | 73661 | दिल्ली |
| Goa | - | - | 3374 | 3374 | - | - | 8533 | 7889 | 192973 | 186458 | 52.13 | 50.37 | 168648 | 174991 | गोवा |
| Gujarat | - | - | 51637 | 50524 | 39218 | 39218 | 165578 | 117447 | 10261641 | 10077455 | 52.29 | 51.35 | 8533439 | 8718876 | गुजरात |
| Haryana | - | - | 5962 | 4894 | - | - | 85855 | 70792 | 338964 | 314583 | 7.67 | 7.12 | 4082236 | 4106617 | हरियाणा |
| Himachal Pradesh | - | - | 656 | 656 | - | - | 2097 | 1365 | 2394240 | 2141366 | 43.01 | 38.46 | 3123624 | 3376690 | हिमाचल प्रदेश |
| Jammu and Kashmir | 927986 | 843554 | - | - | 218679 | 218679 | 15924 | 11790 | 7969607 | 7538814 | 35.86 | 33.92 | 14027316 | 14455333 | जम्मू एवं कश्मीर |
| Jharkhand | - | - | 52734 | 49730 | - | - | 30169 | 24503 | 5498726 | 5418657 | 68.98 | 67.97 | 2398866 | 2469577 | झारखंड |
| Karnataka | - | - | 20876 | 18704 | 3389 | 2887 | 82409 | 66413 | 6951000 | 6940943 | 36.24 | 36.19 | 11984329 | 11994157 | कर्नाटक |
| Kerala | - | - | - | - | - | - | 29984 | 28968 | 379587 | 370512 | 9.77 | 9.54 | 3455238 | 3464358 | केरल |
| Madhya Pradesh | - | - | 19454 | 16024 | 31495 | 30457 | 96359 | 82379 | 3804315 | 3771853 | 12.34 | 12.24 | 26502030 | 26648676 | मध्य प्रदेश |
| Maharashtra | - | - | 19912 | 19912 | 506163 | 509789 | 326013 | 275272 | 13825935 | 13348604 | 44.93 | 43.38 | 16415568 | 16873660 | महाराष्ट्र |
| Manipur | - | - | - | - | - | - | 13260 | 5290 | 601959 | 593093 | 26.96 | 26.56 | 1613978 | 1622844 | मणिपुर |
| Meghalaya | - | - | - | - | - | - | 4656 | 4239 | 494880 | 478825 | 22.06 | 21.35 | 1746580 | 1762634 | मेघालय |
| Mizoram | - | - | - | - | - | - | 12285 | 6575 | 187453 | 95873 | 8.89 | 4.55 | 1903762 | 1998679 | मिजोरम |
| Nagaland | - | - | - | - | - | - | 8257 | 4347 | 786678 | 642304 | 47.45 | 38.74 | 869562 | 1013937 | नागालैंड |
| Odisha | - | - | 63851 | 51445 | 5128 | 5053 | 44161 | 33481 | 5304114 | 5321903 | 34.06 | 34.18 | 9758929 | 9741425 | ओडिशा |
| Punjab | - | - | 1641 | 652 | - | - | 96335 | 71861 | 144653 | 93115 | 2.87 | 1.85 | 4849651 | 4901242 | पंजाब |
| Rajasthan | - | - | 53058 | 50865 | 1052374 | 1047818 | 118482 | 98696 | 21526512 | 21625604 | 62.9 | 63.19 | 12546925 | 12448140 | राजस्थान |
| Sikkim | - | - | - | - | - | - | 700 | 546 | 78749 | 78482 | 11.1 | 11.06 | 630234 | 630500 | सिक्किम |
| Tamil Nadu | - | - | 13965 | 13965 | 515 | 515 | 97223 | 87133 | 1543898 | 1516660 | 11.87 | 11.66 | 11344261 | 11371500 | तमिलनाडु |
| Telangana | - | - | 16982 | 14592 | 1979 | 1979 | 97951 | 69591 | 3598856 | 3658482 | 31.34 | 31.86 | 7689491 | 7631019 | तेलंगाना |
| Tripura | - | - | - | - | - | - | 13854 | 12711 | 437128 | 327302 | 41.69 | 31.21 | 608776 | 716717 | त्रिपुरा |
| Uttar Pradesh | - | - | 5970 | 4028 | - | - | 181399 | 135962 | 1528997 | 1835263 | 6.35 | 7.62 | 22115961 | 21831845 | उत्तर प्रदेश |
| Uttarakhand | - | - | - | - | - | - | 15908 | 9903 | 648253 | 581241 | 12.12 | 10.87 | 4667750 | 4738936 | उत्तराखंड |
| West Bengal | - | - | 15102 | 14112 | - | - | 106386 | 90941 | 1733931 | 1682181 | 19.54 | 18.95 | 6884910 | 6926022 | पश्चिम बंगाल |
| **Total** | **927986** | **843554** | **407531** | **366998** | **1886682** | **1884137** | **1877708** | **1481638** | **96398166** | **94525643** | **29.32** | **28.76** | **225804731** | **227759103** | कुल |

Source: Desertification and *Source: Desertification and Land Degradation Atlas Of India - 2016, Space Applications Centre, ISRO*

स्रोत : भारत के मरुस्थलीक *स्रोत : भारत के मरुस्थलीकरण एवं भूमि निम्नीकरण का एटलस, 2016, अंतरिक्ष अनुप्रयोग केंद्र, इसरो*

**Statement 1.22: State-wise nutrient status of soil**

**विवरण 1.22 : मृदा के पोषण की राज्यवार स्थिति**

**(a) Status of macro nutrients**

**(क) स्थूल पोषक तत्वों की स्थिति**

**(For cycle I - 2015-16 to 2016-17 के चक्र I के लिए)**

| State Name | Nitrogen (N) नाइट्रोजन (एन) | | | | | Phosphorus (P) फॉस्फोरस (पी) | | | | | राज्य का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Very Low बहुत कम | Low निम्न | Medium मीडियम | High उच्च | Very High बहुत अधिक | Very Low बहुत कम | Low निम्न | Medium मीडियम | High उच्च | Very High बहुत अधिक | |
| Andhra Pradesh | 638147 | 323644 | 64065 | 3155 | 2909 | 3166 | 133715 | 270925 | 625741 | | आंध्र प्रदेश |
| Arunachal Pradesh | 207 | 546 | 3780 | 14399 | 168 | 12089 | 4564 | 2020 | 224 | 243 | अरुणाचल प्रदेश |
| Assam | 6883 | 60123 | 46918 | 56268 | 565 | 77074 | 56013 | 32323 | 13046 | 5813 | असम |
| Bihar | 2049 | 154349 | 61799 | 157 | 212 | 22936 | 34436 | 150460 | 9953 | 1769 | बिहार |
| Chhattisgarh | 75382 | 403790 | 166416 | 10890 | 7532 | 82959 | 137040 | 313964 | 74646 | 64717 | छत्तीसगढ़ |
| Delhi | 41 | 49 | 23 | | | 10 | 47 | 55 | 1 | | दिल्ली |
| Goa | 400 | 5647 | 13288 | 1428 | 2488 | 14416 | 3075 | 5238 | 592 | 492 | गोवा |
| Gujarat | 1174837 | 5995 | 2993 | 137 | 164 | 193497 | 284596 | 1280934 | 406679 | 88805 | गुजरात |
| Haryana | 275495 | 3028 | 105 | 4 | 98 | 796327 | 287763 | 153804 | 30100 | 33429 | हरियाणा |
| Himachal Pradesh | 5192 | 36598 | 49475 | 3001 | 114 | 4239 | 12268 | 58823 | 14704 | 12563 | हिमाचल प्रदेश |
| Jammu And Kashmir | 4954 | 18903 | 56405 | 9168 | 8608 | 30405 | 47345 | 68785 | 6172 | 6207 | जम्मू एवं कश्मीर |
| Jharkhand | 4985 | 20517 | 18547 | 1274 | 871 | 14328 | 16011 | 10823 | 1642 | 3369 | झारखंड |
| Karnataka | 181342 | 211657 | 207709 | 41791 | 77020 | 175080 | 342320 | 606608 | 199007 | 270285 | कर्नाटक |
| Kerala | 2699 | 272 | 62 | | 1 | 36550 | 33063 | 82876 | 17083 | 21685 | केरल |
| Madhya Pradesh | 60149 | 734951 | 248971 | 7147 | 2413 | 204783 | 452633 | 363413 | 32184 | 20889 | मध्य प्रदेश |
| Maharashtra | 327084 | 649826 | 813448 | 117470 | 119279 | 205432 | 567750 | 1051849 | 251463 | 322308 | महाराष्ट्र |
| Manipur | 53 | 8 | | | | 19 | 18 | 20 | 4 | | मणिपुर |
| Meghalaya | 133 | 173 | 86 | 6 | 1 | 16422 | 8738 | 5927 | 352 | 254 | मेघालय |
| Mizoram | 52 | 1450 | 10269 | 21 | | 3842 | 7438 | 422 | 40 | 48 | मिजोरम |
| Nagaland | 47 | 918 | 8175 | 10219 | 30 | 11056 | 5175 | 2668 | 466 | 26 | नागालैंड |
| Odisha | 1251 | 793 | 631 | 7 | 4 | 132826 | 105709 | 83534 | 13092 | 10987 | ओडिशा |
| Punjab | 25513 | 1199 | 4807 | 1200 | 912 | 138480 | 145853 | 118288 | 11031 | 3244 | पंजाब |
| Rajasthan | 364657 | 6 | 6 | 1 | | 85692 | 929353 | 2809199 | 292077 | 38939 | राजस्थान |
| Sikkim | 173 | 2966 | 7422 | 555 | 19 | 1054 | 3567 | 5547 | 703 | 265 | सिक्किम |
| Tamil Nadu | 598212 | 594928 | 22653 | 227 | 917 | 260563 | 301067 | 360321 | 132704 | 168513 | तमिलनाड़ |
| Telangana | 27904 | 51698 | 22069 | 4961 | 1265 | 43421 | 29910 | 15367 | 8454 | 11244 | तेलंगाना |
| Tripura | 107 | 63 | 232 | 138 | | 781 | 15148 | 7343 | 4489 | 1564 | त्रिपुरा |
| Uttar Pradesh | 3861343 | 299372 | 63099 | 1181 | 6693 | 1529078 | 3033623 | 354408 | 15298 | 64854 | उत्तर प्रदेश |
| Uttarakhand | 8211 | 167 | 170 | 9 | 3 | 17542 | 20112 | 55726 | 21207 | 10335 | उत्तराखंड |
| West Bengal | 10292 | 118688 | 137692 | 3544 | 248 | 1030 | 8458 | 81660 | 91127 | 89037 | पश्चिम बंगाल |
| Andaman And Nicobar Island | 7199 | 2039 | 58 | | 5 | 7574 | 1072 | 554 | 50 | 57 | अंडमान एवं निकोबार द्वीप |
| Dadra And Nagar Haveli | | | | | | 1 | 1557 | 536 | 103 | 30 | दादरा एवं नगर हवेली |
| Puducherry | 3510 | 1087 | 50 | | 3 | 3772 | 387 | 450 | 28 | 14 | पुद्दुचेरी |
| **Total** | **7668503** | **3705450** | **2031423** | **288358** | **232542** | **4126444** | **7029824** | **8354870** | **2274462** | **1251985** | **कुल** |

Source: http://soilhealth.dac.gov.in/, Department of Agriculture Cooperation & Farmer Welfare, (As retrieved on 08.03.2019)

स्रोत: http://soilhealth.dac.gov.in/, कृषि सहयोग एवं किसान कल्याण विभाग,

**Statement 1.22: State-wise nutrient status of soil**

**विवरण 1.22 : मृदा के पोषण की राज्यवार स्थिति**

**(a) Status of macro nutrients**

**(क) स्थूल पोषक तत्वों की स्थिति**

**(For cycle II - 2017-18 to 2018-19 के चक्र II के लिए)**

| State Name | Nitrogen (N) नाइट्रोजन (एन) | | | | | Phosphorus (P) फॉस्फोरस (पी) | | | | | राज्य का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Very Low बहुत कम | Low निम्न | Medium मीडियम | High उच्च | Very High बहुत अधिक | Very Low बहुत कम | Low निम्न | Medium मीडियम | High उच्च | Very High बहुत अधिक | |
| Andhra Pradesh | 352355 | 767449 | 313234 | 18546 | 6039 | 135 | 162738 | 425697 | 869207 | | आंध्र प्रदेश |
| Arunachal Pradesh | | 3 | 179 | 607 | | 451 | 247 | 88 | 2 | 1 | अरुणाचल प्रदेश |
| Assam | 1011 | 10798 | 32873 | 44657 | 65 | 42694 | 30959 | 15785 | 2738 | 1195 | असम |
| Bihar | 1 | 10 | | | | | | 11 | | | बिहार |
| Chhattisgarh | 78535 | 587056 | 203659 | 9658 | 3538 | 72017 | 228134 | 440303 | 84815 | 56753 | छत्तीसगढ़ |
| Delhi | 12 | 174 | 343 | | | 195 | 231 | 92 | 5 | 5 | दिल्ली |
| Goa | 621 | 3490 | 5258 | 1058 | 1234 | 5651 | 1558 | 2527 | 1014 | 912 | गोवा |
| Gujarat | 116741 | 726007 | 341463 | 17585 | 5658 | 30970 | 161755 | 743628 | 229927 | 42362 | गुजरात |
| Haryana | 136235 | 7701 | 427 | 4 | 209 | 292378 | 57061 | 27251 | 10725 | 11957 | हरियाणा |
| Himachal Pradesh | 1886 | 34512 | 40044 | 5933 | 213 | 2259 | 9681 | 59393 | 14928 | 7181 | हिमाचल प्रदेश |
| Jammu And Kashmir | 1991 | 13574 | 53167 | 7248 | 7375 | 25575 | 40471 | 54495 | 6662 | 2316 | जम्मू एवं कश्मीर |
| Jharkhand | 2515 | 18705 | 18742 | 537 | 154 | 9057 | 17594 | 10210 | 1182 | 2595 | झारखंड |
| Karnataka | 161534 | 184297 | 181847 | 37773 | 58420 | 197625 | 284491 | 491815 | 186851 | 156907 | कर्नाटक |
| Kerala | 161 | 12 | 7 | | 1 | 15380 | 11856 | 32117 | 5631 | 7609 | केरल |
| Madhya Pradesh | 52143 | 636120 | 217854 | 7776 | 1719 | 151493 | 401280 | 324240 | 27469 | 20787 | मध्य प्रदेश |
| Maharashtra | 380950 | 1108101 | 689056 | 69127 | 35696 | 141770 | 451991 | 1071312 | 305102 | 355694 | महाराष्ट्र |
| Manipur | 18 | 4 | | 1 | | 28 | 24 | 9 | 24 | 19 | मणिपुर |
| Meghalaya | 20 | 5 | 15 | 3 | | 10573 | 7001 | 5325 | 81 | 63 | मेघालय |
| Mizoram | 57 | 702 | 3879 | 5 | 1 | 1455 | 2897 | 232 | 30 | 29 | मिजोरम |
| Nagaland | | 6 | 566 | 486 | | 300 | 212 | 464 | 68 | 14 | नागालैंड |
| Odisha | 1822 | 1191 | 680 | 5 | 4 | 157883 | 125032 | 97417 | 14943 | 11957 | ओडिशा |
| Punjab | 25475 | 1032 | 1613 | 499 | 549 | 90464 | 176428 | 182279 | 31155 | 7771 | पंजाब |
| Rajasthan | | | | | | | | 2 | | | राजस्थान |
| Sikkim | 255 | 1280 | 413 | 1 | | 15 | 216 | 959 | 656 | 100 | सिक्किम |
| Tamil Nadu | 345646 | 829689 | 32743 | 218 | 763 | 159914 | 325384 | 389070 | 147103 | 187451 | तमिलनाडु |
| Telangana | 165926 | 461603 | 134430 | 11274 | 3121 | 47112 | 104340 | 319490 | 144391 | 161066 | तेलंगाना |
| Tripura | 1420 | 12196 | 9759 | 1232 | 23 | 1669 | 9272 | 11225 | 2400 | 502 | त्रिपुरा |
| Uttar Pradesh | 3497769 | 298268 | 64670 | 1977 | 4931 | 1089579 | 2308827 | 415640 | 60993 | 70900 | उत्तर प्रदेश |
| Uttarakhand | 2916 | 59 | 343 | 38 | 9 | 18731 | 21087 | 54619 | 29975 | 13898 | उत्तराखंड |
| West Bengal | 3 | 7 | 5 | | | | 3 | 7 | 2 | 3 | पश्चिम बंगाल |
| Andaman And Nicobar Island | 610 | 1657 | 16 | 2 | 3 | 1935 | 303 | 44 | 1 | 5 | अंडमान एवं निकोबार द्वीप समूह |
| Daman And Diu | 26 | 48 | 1 | | | 217 | 14 | 57 | 4 | | दमन एवं दीव |
| Dadra And Nagar Haveli | 169 | 1383 | 586 | | 1 | 3 | 1458 | 411 | 106 | 161 | दादरा एवं नगर हवेली |
| Puducherry | 2481 | 784 | 22 | | 1 | 1947 | 434 | 756 | 125 | 27 | पुद्दुचेरी |
| **Total** | **5331304** | **5707923** | **2347894** | **236250** | **129727** | **2569475** | **4942979** | **5176970** | **2178315** | **1120240** | **कुल** |

Source: http://soilhealth.dac.gov.in/, Department of Agriculture Cooperation & Farmer Welfare, (As retrieved on 08.03.2019)

स्रोत: http://soilhealth.dac.gov.in/, कृषि सहयोग एवं किसान कल्याण विभाग,

**Statement 1.22: State-wise nutrient status of soil**

**विवरण 1.22 : मृदा के पोषण की राज्यवार स्थिति**

**(a) Status of macro nutrients**

**(क) स्थूल पोषक तत्वों की स्थिति**

**(For cycle I - 2015-16 to 2016-17 के चक्र I के लिए)**

| State Name | Potassium (K) पोटैशियम (के) | | | | | Organic Carbon (OC) जैविक कार्बन (ओसी) | | | | | Total No.of samples नमूनों की कुल संख्या | राज्य का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Very Low बहुत कम | Low निम्न | Medium मीडियम | High उच्च | Very High बहुत अधिक | Very Low बहुत कम | Low निम्न | Medium मीडियम | High उच्च | Very High बहुत अधिक | | |
| Andhra Pradesh | 32709 | 285939 | 434892 | 280764 | | 113921 | 304427 | 193816 | 252671 | 167109 | 1295393 | आंध्र प्रदेश |
| Arunachal Pradesh | 1102 | 2959 | 10672 | 3260 | 1150 | 462 | 1234 | 1606 | 2130 | 13682 | 19433 | अरुणाचल प्रदेश |
| Assam | 73065 | 63961 | 40331 | 5959 | 893 | 6387 | 32247 | 45011 | 30157 | 70432 | 184179 | असम |
| Bihar | 27942 | 34895 | 149507 | 6414 | 800 | 10074 | 64465 | 98162 | 41944 | 4866 | 220497 | बिहार |
| Chhattisgarh | 39091 | 94708 | 372106 | 151781 | 15791 | 87921 | 226112 | 174660 | 72393 | 87081 | 682901 | छत्तीसगढ़ |
| Delhi | 1 | 15 | 75 | 22 | | 29 | 50 | 25 | 9 | | 113 | दिल्ली |
| Goa | 875 | 4657 | 11362 | 4758 | 2341 | 355 | 1951 | 2218 | 3163 | 16315 | 24002 | गोवा |
| Gujarat | 163968 | 102772 | 1024044 | 923563 | 37149 | 145481 | 780685 | 766868 | 350998 | 203281 | 2910939 | गुजरात |
| Haryana | 186842 | 287883 | 485708 | 281446 | 56721 | 332452 | 923171 | 38738 | 3422 | 6002 | 1319683 | हरियाणा |
| Himachal Pradesh | 4575 | 18355 | 58849 | 15609 | 5200 | 1122 | 7419 | 17095 | 20675 | 56119 | 101105 | हिमाचल प्रदेश |
| Jammu And Kashmir | 16273 | 38699 | 92148 | 10012 | 1456 | 7174 | 29138 | 37663 | 25344 | 59411 | 158303 | जम्मू एवं कश्मीर |
| Jharkhand | 7245 | 10668 | 21435 | 5388 | 1437 | 4695 | 13177 | 12927 | 7311 | 7777 | 45951 | झारखंड |
| Karnataka | 155105 | 213249 | 600375 | 546256 | 78771 | 244000 | 534841 | 403762 | 204701 | 196051 | 1560902 | कर्नाटक |
| Kerala | 22931 | 44944 | 81045 | 37704 | 4629 | 9477 | 29795 | 34835 | 29339 | 87290 | 191326 | केरल |
| Madhya Pradesh | 28318 | 83394 | 530482 | 396750 | 33565 | 53373 | 319090 | 416039 | 169118 | 114434 | 1081586 | मध्य प्रदेश |
| Maharashtra | 43042 | 86888 | 792432 | 1095679 | 380762 | 291870 | 970854 | 683515 | 238379 | 212137 | 2481828 | महाराष्ट्र |
| Manipur | 21 | 29 | 11 | | | 5 | 12 | 12 | 6 | 26 | 61 | मणिपुर |
| Meghalaya | 9046 | 12352 | 8367 | 1771 | 102 | 542 | 1902 | 4049 | 4141 | 20628 | 31672 | मेघालय |
| Mizoram | 41 | 1788 | 9727 | 209 | 5 | 126 | 5839 | 5097 | 282 | 409 | 11794 | मिजोरम |
| Nagaland | 1764 | 3007 | 11155 | 2732 | 734 | 245 | 690 | 725 | 1323 | 16402 | 19399 | नागालैंड |
| Odisha | 35435 | 99852 | 158152 | 44590 | 7720 | 69096 | 133490 | 92742 | 30648 | 20162 | 344254 | ओडिशा |
| Punjab | 36381 | 102325 | 179558 | 79742 | 13009 | 5453 | 383749 | 34703 | 4167 | 2421 | 440275 | पंजाब |
| Rajasthan | 44632 | 316805 | 2656308 | 1067317 | 70187 | 1378192 | 1980335 | 650892 | 114595 | 31219 | 4280905 | राजस्थान |
| Sikkim | 124 | 288 | 7048 | 2999 | 677 | 4 | 32 | 130 | 256 | 10687 | 10921 | सिक्किम |
| Tamil Nadu | 136370 | 280546 | 501718 | 223564 | 80485 | 374631 | 599063 | 171269 | 42955 | 29361 | 1225954 | तमिलनाडु |
| Telangana | 2167 | 25134 | 56009 | 17653 | 7416 | 1440 | 87997 | 14602 | 2671 | 1487 | 349055 | तेलंगाना |
| Tripura | 2569 | 21891 | 2446 | 2434 | 17 | 1527 | 5058 | 11134 | 11564 | 268 | 29719 | त्रिपुरा |
| Uttar Pradesh | 192045 | 865999 | 3780944 | 133731 | 16670 | 1042068 | 3350984 | 442964 | 63638 | 89887 | 5021510 | उत्तर प्रदेश |
| Uttarakhand | 4868 | 32018 | 74678 | 12100 | 1222 | 8690 | 46837 | 40491 | 17883 | 10937 | 125038 | उत्तराखंड |
| West Bengal | 11162 | 34870 | 161284 | 58696 | 5290 | 13526 | 94109 | 118546 | 34112 | 10047 | 271421 | पश्चिम बंगाल |
| Andaman And Nicobar Island | 3935 | 4060 | 969 | 241 | 5 | 3103 | 4213 | 998 | 255 | 737 | 9315 | अंडमान एवं निकोबार |
| Dadra And Nagar Haveli | 2 | 14 | 281 | 984 | 946 | 81 | 773 | 923 | 414 | 36 | 2285 | दादरा एवं नगर हवेली |
| Puducherry | 455 | 1090 | 2055 | 961 | 89 | | | | | | 4651 | पुद्दुचेरी |
| **Total** | **1284101** | **3176054** | **12316173** | **5415089** | **825239** | **4207522** | **10933739** | **4516217** | **1780664** | **1546701** | **24456370** | **कुल** |

Source: http://soilhealth.dac.gov.in/, Department of Agriculture Cooperation & Farmer Welfare, (As retrieved on 08.03.2019)

स्रोत: http://soilhealth.dac.gov\स्रोत: http://soilhealth.dac.gov.in/, कृषि सहयोग एवं किसान कल्याण विभाग,

**Statement 1.22: State-wise nutrient status of soil**

**विवरण 1.22 : मृदा के पोषण की राज्यवार स्थिति**

**(a) Status of macro nutrients**

**(क) स्थूल पोषक तत्वों की स्थिति**

**(For cycle II - 2017-18 to 2018-19 के चक्र II के लिए)**

| State Name | Potassium (K) पोटैशियम (के) | | | | | Organic Carbon (OC) जैविक कार्बन (ओसी) | | | | | Total No.of samples नमूनों की कुल संख्या | राज्य का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Very Low बहुत कम | Low निम्न | Medium मीडियम | High उच्च | Very High बहुत अधिक | Very Low बहुत कम | Low निम्न | Medium मीडियम | High उच्च | Very High बहुत अधिक | | |
| Andhra Pradesh | 55 | 199179 | 481710 | 776647 | | 221362 | 567841 | 323121 | 180994 | 164364 | 1457513 | आंध्र प्रदेश |
| Arunachal Pradesh | 21 | 102 | 407 | 213 | 46 | 3 | 9 | 119 | 73 | 585 | 791 | अरुणाचल प्रदेश |
| Assam | 20216 | 38381 | 30847 | 3735 | 191 | 5224 | 9406 | 22713 | 14645 | 41384 | 93995 | असम |
| Bihar | | 2 | 9 | | | | 1 | 10 | | | 10 | बिहार |
| Chhattisgarh | 26303 | 87329 | 473854 | 272628 | 21943 | 98899 | 341646 | 260134 | 97995 | 83296 | 892905 | छत्तीसगढ़ |
| Delhi | 15 | 128 | 195 | 155 | 35 | 14 | 92 | 278 | 126 | 19 | 557 | दिल्ली |
| Goa | 908 | 2365 | 4442 | 2698 | 1246 | 407 | 1427 | 1150 | 1981 | 6695 | 11861 | गोवा |
| Gujarat | 12717 | 56558 | 628397 | 489289 | 21929 | 42194 | 427393 | 412543 | 181729 | 144806 | 1216799 | गुजरात |
| Haryana | 71745 | 89162 | 140165 | 81212 | 17442 | 80026 | 288627 | 28669 | 823 | 1178 | 424320 | हरियाणा |
| Himachal Pradesh | 2409 | 17612 | 52652 | 16493 | 4216 | 905 | 9877 | 19823 | 18803 | 44019 | 92786 | हिमाचल प्रदेश |
| Jammu And Kashmir | 8791 | 29812 | 80761 | 9419 | 621 | 3167 | 16040 | 32761 | 26944 | 50570 | 129410 | जम्मू एवं कश्मीर |
| Jharkhand | 3727 | 9050 | 23480 | 3678 | 678 | 3475 | 10598 | 10958 | 9601 | 6027 | 40927 | झारखंड |
| Karnataka | 112222 | 203334 | 508353 | 448411 | 45454 | 168654 | 461398 | 324506 | 178206 | 181491 | 1286003 | कर्नाटक |
| Kerala | 7721 | 16366 | 30798 | 15578 | 2150 | 3539 | 10543 | 12650 | 10594 | 35226 | 73043 | केरल |
| Madhya Pradesh | 25007 | 81609 | 530814 | 268454 | 19044 | 49560 | 280024 | 326539 | 153896 | 115145 | 939232 | मध्य प्रदेश |
| Maharashtra | 56207 | 105667 | 710888 | 1070661 | 382090 | 255332 | 940011 | 665553 | 266851 | 196932 | 2358812 | महाराष्ट्र |
| Manipur | 17 | 16 | 65 | 6 | | | 5 | 7 | 6 | 86 | 104 | मणिपुर |
| Meghalaya | 5780 | 8229 | 6625 | 2349 | 46 | 311 | 787 | 1996 | 2167 | 17773 | 24646 | मेघालय |
| Mizoram | 26 | 696 | 3782 | 135 | | 104 | 1935 | 2216 | 171 | 216 | 4837 | मिजोरम |
| Nagaland | 24 | 165 | 696 | 172 | 1 | 9 | 95 | 294 | 383 | 277 | 1058 | नागालैंड |
| Odisha | 36020 | 109313 | 188730 | 56129 | 16786 | 80410 | 166312 | 107529 | 33636 | 19422 | 408915 | ओडिशा |
| Punjab | 25319 | 100250 | 234340 | 104094 | 23745 | 4046 | 433556 | 39981 | 3177 | 7093 | 489140 | पंजाब |
| Rajasthan | | | 2 | | | | 2 | | | | 2 | राजस्थान |
| Sikkim | 34 | 146 | 1225 | 474 | 65 | 2 | 153 | 164 | 177 | 1452 | 1975 | सिक्किम |
| Tamil Nadu | 31665 | 127683 | 599021 | 315528 | 134961 | 292834 | 692850 | 182376 | 28495 | 12098 | 1220445 | तमिलनाडु |
| Telangana | 60214 | 116556 | 300427 | 259299 | 39481 | 80223 | 344312 | 149739 | 116445 | 75430 | 783640 | तेलंगाना |
| Tripura | 3304 | 13354 | 7261 | 1129 | 12 | 3737 | 6594 | 11416 | 2458 | 876 | 25426 | त्रिपुरा |
| Uttar Pradesh | 250620 | 682902 | 2881331 | 119567 | 9523 | 685577 | 2823879 | 365731 | 32421 | 38042 | 3978201 | उत्तर प्रदेश |
| Uttarakhand | 5126 | 27611 | 81614 | 20085 | 3958 | 8640 | 44725 | 47541 | 17671 | 18548 | 138171 | उत्तराखंड |
| West Bengal | 1 | 3 | 2 | 7 | 2 | | 6 | 7 | 1 | 1 | 15 | पश्चिम बंगाल |
| Andaman And Nicobar Island | 1659 | 535 | 90 | 3 | 1 | 918 | 1100 | 144 | 1 | 130 | 2336 | अंडमान एवं निकोबार द्वीप समूह |
| Daman And Diu | 33 | 48 | 151 | 56 | 4 | 7 | 75 | 139 | 56 | 15 | 290 | दमन एवं दीव |
| Dadra And Nagar Haveli | 1 | 20 | 407 | 942 | 769 | 32 | 626 | 1076 | 357 | 48 | 2139 | दादरा एवं नगर हवेली |
| Puducherry | 143 | 607 | 1326 | 921 | 292 | | | 1 | | 1 | 3456 | पुद्दुचेरी |
| **Total** | **768050** | **2124790** | **8004867** | **4340167** | **746731** | **2089611** | **7881945** | **3351884** | **1380883** | **1263245** | **16103760** | **कुल** |

Source: http://soilhealth.dac.gov.in/, Department of Agriculture Cooperation & Farmer Welfare, (As retrieved on 08.03.2019)

स्रोत: http://soilhealth.dac.gov\स्रोत: http://soilhealth.dac.gov.in/, कृषि सहयोग एवं किसान कल्याण विभाग,

**Statement No. 1.22: State-wise nutrient status of soil**
**विवरण संख्या 1.22 : मृदा के पोषण की राज्यवार स्थिति**
**(b) Status of micro nutrients**
**(ख) सूक्ष्म पोषक तत्वों की स्थिति**
**(For cycle I - 2015-16 to 2016-17 के चक्र I के लिए)**

| State Name | Boron (B) बोरॉन (बी) | | Copper (Cu) तांबा (Cu) | | Iron (Fe) लोहा (Fe) | | Manganese (Mn) मैंगनीज (Mn) | | Sulphur (S) सल्फर (S) | | Zinc (Zn) ज़स्ता (Zn) | | Total No. of samples नमूनों की कुल संख्या | राज्य का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Deficient अपूर्ण | Sufficient पूर्ण | Deficient अपूर्ण | Sufficient पूर्ण | Deficient अपूर्ण | Sufficient पूर्ण | Deficient अपूर्ण | Sufficient पूर्ण | Deficient अपूर्ण | Sufficient पूर्ण | Deficient अपूर्ण | Sufficient पूर्ण | | |
| Andhra Pradesh | 406251 | 378123 | 842615 | 60938 | 602245 | 302065 | 790552 | 107696 | 855249 | 164449 | 537812 | 366679 | 1295393 | आंध्र प्रदेश |
| Arunachal Pradesh | 341 | 1099 | 14629 | 4302 | 17621 | 1316 | 14152 | 4473 | 13246 | 3185 | 10907 | 8230 | 19433 | अरुणाचल प्रदेश |
| Assam | 30822 | 144991 | 172677 | 10484 | 176810 | 6625 | 175436 | 6238 | 153135 | 17641 | 170502 | 13420 | 184179 | असम |
| Bihar | 132 | 200629 | 52835 | 158079 | 48540 | 162356 | 48006 | 162614 | 271 | 200758 | 32249 | 178681 | 220497 | बिहार |
| Chhattisgarh | 299934 | 211957 | 577536 | 32796 | 535183 | 89916 | 561476 | 47951 | 459241 | 165758 | 387506 | 238657 | 682901 | छत्तीसगढ़ |
| Delhi | 85 | 28 | 99 | 14 | 67 | 46 | 74 | 38 | 113 | | 97 | 16 | 113 | दिल्ली |
| Goa | 1595 | 1457 | 2506 | 56 | 2531 | 32 | 2529 | 31 | 208 | 81 | 2041 | 522 | 24002 | गोवा |
| Gujarat | 687631 | 1406052 | 1909245 | 332325 | 1144696 | 1108545 | 1894662 | 353359 | 953590 | 1293591 | 917608 | 1340318 | 2910939 | गूजरात |
| Haryana | 3869 | 693 | 751241 | 73099 | 889187 | 397772 | 956768 | 323966 | 1147351 | 104327 | 1016752 | 282698 | 1319683 | हरियाणा |
| Himachal Pradesh | 31285 | 3594 | 85670 | 5049 | 80410 | 10426 | 64540 | 25943 | 57771 | 2055 | 81205 | 9807 | 101105 | हिमाचल प्रदेश |
| Jammu And Kashmir | 6010 | 8527 | 66818 | 20946 | 56721 | 30011 | 44051 | 42745 | 45706 | 23492 | 50269 | 38740 | 158303 | जम्मू एवं कश्मीर |
| Jharkhand | 26619 | 13257 | 27467 | 1884 | 38441 | 3981 | 26883 | 2425 | 24913 | 17013 | 28242 | 14678 | 45951 | झारखंड |
| Karnataka | 838961 | 725659 | 1459963 | 129940 | 777751 | 813951 | 1293573 | 282827 | 1017746 | 555461 | 737546 | 854799 | 1560902 | कर्नाटक |
| Kerala | 70816 | 81460 | 179533 | 9940 | 180303 | 8151 | 169002 | 19118 | 78300 | 72386 | 169659 | 19931 | 191326 | केरल |
| Madhya Pradesh | 465563 | 199635 | 857061 | 58328 | 683036 | 237282 | 820822 | 96919 | 536194 | 224245 | 544805 | 385422 | 1081586 | मध्य प्रदेश |
| Maharashtra | 465274 | 1465420 | 2326618 | 63716 | 908383 | 1484477 | 2108086 | 272291 | 489709 | 1551013 | 1186354 | 1206595 | 2481828 | महाराष्ट्र |
| Manipur | 33 | 1 | 47 | 10 | 18 | 38 | 23 | 33 | 36 | 8 | 41 | 16 | 61 | मणिपुर |
| Meghalaya | 16 | 136 | 266 | 34 | 167 | 143 | 214 | 79 | 33 | 45 | 264 | 46 | 31672 | मेघालय |
| Mizoram | 211 | 105 | 220 | 1 | 164 | 11 | 219 | 3 | 210 | 101 | 302 | 23 | 11794 | मिजोरम |
| Nagaland | 15 | 5 | 11079 | 8299 | 16767 | 2618 | 14168 | 5206 | 18218 | 1168 | 11834 | 7553 | 19399 | नागालैंड |
| Odisha | 4170 | 7970 | 290 | 239 | 448 | 273 | 255 | 249 | 7761 | 9413 | 7884 | 7146 | 344254 | ओडिशा |
| Punjab | 2800 | 23413 | 396675 | 1692 | 353276 | 42781 | 216371 | 176109 | 352190 | 30062 | 367083 | 33131 | 440275 | पंजाब |
| Rajasthan | 1621 | 364750 | 3897803 | 255706 | 2156673 | 1997278 | 3643914 | 483655 | 1575251 | 1488090 | 2303403 | 1851850 | 4280905 | राजस्थान |
| Sikkim | 7136 | 3999 | 7989 | 3135 | 10570 | 560 | 7350 | 3673 | 8818 | 2317 | 8346 | 2790 | 10921 | सिक्किम |
| Tamil Nadu | 465813 | 750518 | 1162394 | 54476 | 814080 | 405866 | 963784 | 235059 | 770469 | 450700 | 882992 | 338201 | 1225954 | तमिलनाडु |
| Telangana | 8270 | 97543 | 9441 | 96382 | 5800 | 100057 | 8065 | 97699 | 8929 | 97401 | 7164 | 98728 | 349055 | तेलंगाना |
| Tripura | 498 | 58 | 25662 | 850 | 24464 | 1742 | 24970 | 646 | 606 | 368 | 23484 | 2958 | 29719 | त्रिपुरा |
| Uttar Pradesh | 1471823 | 831329 | 4666606 | 261010 | 3759979 | 1178021 | 4320342 | 591106 | 2993229 | 1765061 | 3505100 | 1436278 | 5021510 | उत्तर प्रदेश |
| Uttarakhand | 674 | 8902 | 111633 | 13053 | 107766 | 16901 | 106943 | 16124 | 87538 | 36481 | 96636 | 28129 | 125038 | उत्तराखंड |
| West Bengal | 75193 | 194146 | 248373 | 8075 | 253301 | 17500 | 195418 | 59725 | 101770 | 168547 | 140314 | 130417 | 271421 | पश्चिम बंगाल |
| Andaman and Nicobar Islands | 8233 | 261 | 8924 | 332 | 9122 | 149 | 9188 | 72 | 73 | 9230 | 7054 | 2225 | 9315 | अंडमान एवं निकोबार द्वीपसमूह |
| Dadra and Nagar Haveli | 2227 | | 2225 | 2 | 2046 | 179 | 2220 | 6 | 2226 | 1 | 1973 | 254 | 2285 | दादरा एवं नगर हवेली |
| Puducherry | 2 | 3624 | 4515 | 133 | 3828 | 822 | 4211 | 415 | 775 | 1 | 4196 | 455 | 4651 | पुद्दुचेरी |
| **Total** | **5383923** | **7129341** | **19880655** | **1665325** | **13660394** | **8421891** | **18488267** | **3418493** | **11760875** | **8454449** | **13241624** | **8899393** | **24456370** | **कुल** |

Source: http://soilhealth.dac.gov.in/, Department of Agriculture Cooperation & Farmer Welfare, (As retrieved on 08.03.2019)
स्रोत: http://soilhealth.dac.gov.in/, कृषि सहयोग एवं किसान कल्याण विभाग,

**Statement No. 1.22: State-wise nutrient status of soil**

**विवरण संख्या 1.22 : मृदा के पोषण की राज्यवार स्थिति**

**(b) Status of micro nutrients**

**(ख) सूक्ष्म पोषक तत्वों की स्थिति**

**(For cycle II - 2017-18 to 2018-19 के चक्र II के लिए)**

| State Name | Boron (B) | | Copper (Cu) | | Iron (Fe) | | Manganese (Mn) | | Sulphur (S) | | Zinc (Zn) | | Total No. of samples नमूनों की कुल संख्या | राज्य का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Deficient अपूर्ण | Sufficient पूर्ण | Deficient अपूर्ण | Sufficient पूर्ण | Deficient अपूर्ण | Iron (Fe) लोहा (Fe) | Deficient अपूर्ण | Sufficient पूर्ण | Deficient अपूर्ण | Sufficient पूर्ण | Deficient अपूर्ण | Sufficient पूर्ण | | |
| Andhra Pradesh | 1206973 | 248577 | 1383144 | 68890 | 1041523 | 413430 | 1302227 | 141756 | 1302548 | 154786 | 936856 | 519655 | 1457513 | आंध्र प्रदेश |
| Arunachal Pradesh | 1 | 16 | 640 | 148 | 787 | 2 | 632 | 155 | 606 | 183 | 687 | 102 | 791 | अरुणाचल प्रदेश |
| Assam | 2563 | 87616 | 92623 | 581 | 92709 | 598 | 89852 | 3070 | 86507 | 3090 | 80352 | 12823 | 93995 | असम |
| Bihar | | | 7 | | 3 | 4 | 7 | | | | 7 | | 10 | बिहार |
| Chhattisgarh | 571227 | 247198 | 834552 | 29911 | 779963 | 87320 | 835091 | 28916 | 567432 | 314292 | 493841 | 373985 | 892905 | छत्तीसगढ़ |
| Delhi | 465 | 63 | 521 | 6 | 463 | 65 | 411 | 116 | 436 | 92 | 521 | 7 | 557 | दिल्ली |
| Goa | 1772 | 2307 | 3965 | 92 | 4043 | 15 | 3977 | 69 | 191 | 177 | 3397 | 661 | 11861 | गोवा |
| Gujarat | 629375 | 578963 | 1133597 | 74726 | 899596 | 309105 | 1148521 | 57208 | 932757 | 276056 | 828127 | 380651 | 1216799 | गुजरात |
| Haryana | 30187 | 12280 | 265255 | 10287 | 301646 | 98881 | 287662 | 109224 | 348860 | 25090 | 320376 | 79243 | 424320 | हरियाणा |
| Himachal Pradesh | 32369 | 1568 | 83035 | 2443 | 76332 | 9193 | 67294 | 17747 | 41421 | 6508 | 76757 | 8808 | 92786 | हिमाचल प्रदेश |
| Jammu And Kashmir | 18299 | 5976 | 80141 | 21281 | 67560 | 30614 | 52240 | 48429 | 39309 | 27141 | 66391 | 35359 | 129410 | जम्मू एवं कश्मीर |
| Jharkhand | 26172 | 8030 | 30358 | 2308 | 31577 | 2659 | 28377 | 4305 | 27197 | 10504 | 25038 | 9236 | 40927 | झारखंड |
| Karnataka | 564796 | 710038 | 1216364 | 98945 | 601347 | 715122 | 1080601 | 222904 | 829738 | 487221 | 504050 | 812928 | 1286003 | कर्नाटक |
| Kerala | 31023 | 23978 | 69314 | 2514 | 70255 | 1581 | 68244 | 3552 | 36638 | 17999 | 66861 | 5205 | 73043 | केरल |
| Madhya Pradesh | 594584 | 234980 | 857480 | 50433 | 733801 | 184874 | 835043 | 72660 | 688810 | 203420 | 550259 | 370043 | 939232 | मध्य प्रदेश |
| Maharashtra | 1174146 | 1039640 | 2242413 | 70487 | 784501 | 1536800 | 1964571 | 339749 | 1032901 | 1198792 | 1095762 | 1226542 | 2358812 | महाराष्ट्र |
| Manipur | 15 | 7 | 15 | 7 | 15 | 7 | 15 | 7 | | 22 | 15 | 7 | 104 | मणिपुर |
| Meghalaya | 20 | 3 | 11423 | 1525 | 11929 | 1042 | 8444 | 4389 | 13 | 14 | 8236 | 4769 | 24646 | मेघालय |
| Mizoram | 3 | | | | 3 | | | | | | 3 | | 4837 | मिजोरम |
| Nagaland | | 4 | 1032 | 26 | 1046 | 12 | 865 | 188 | 1055 | 3 | 983 | 75 | 1058 | नागालैंड |
| Odisha | 6184 | 14286 | 76 | 993 | 287 | 1023 | 73 | 997 | 11811 | 14860 | 13181 | 12540 | 408915 | ओडिशा |
| Punjab | 6838 | 12693 | 483901 | 1905 | 442215 | 45498 | 262118 | 215814 | 423862 | 51066 | 435043 | 52630 | 489140 | पंजाब |
| Rajasthan | | | 2 | | | 2 | 2 | | 2 | | 2 | | 2 | राजस्थान |
| Sikkim | 983 | 959 | 1831 | 111 | 1495 | 447 | 1511 | 429 | 1475 | 468 | 1485 | 457 | 1975 | सिक्किम |
| Tamil Nadu | 551699 | 655823 | 1164430 | 41882 | 787562 | 420394 | 894801 | 290565 | 755086 | 452915 | 848683 | 359855 | 1220445 | तमिलनाड़ |
| Telangana | 563769 | 197410 | 674818 | 85843 | 416502 | 345582 | 573801 | 181152 | 603711 | 160530 | 439983 | 323615 | 783640 | तेलंगाना |
| Tripura | 20194 | 4197 | 24542 | 422 | 24647 | 319 | 24579 | 428 | 23272 | 1309 | 20587 | 4449 | 25426 | त्रिपुरा |
| Uttar Pradesh | 2030539 | 1180543 | 3766762 | 153384 | 2925576 | 1000505 | 3278174 | 613455 | 2433217 | 1442900 | 2744674 | 1185437 | 3978201 | उत्तर प्रदेश |
| Uttarakhand | 59571 | 65786 | 123305 | 14925 | 116168 | 22065 | 111982 | 23920 | 104094 | 34236 | 112383 | 25971 | 138171 | उत्तराखंड |
| West Bengal | 11 | 4 | 12 | 3 | 12 | 3 | 11 | 4 | 12 | 3 | 11 | 4 | 15 | पश्चिम बंगाल |
| Andaman and Nicobar Islands | 2158 | 126 | 1931 | 350 | 2275 | 8 | 2272 | 10 | 10 | 2276 | 1893 | 393 | 2336 | अंडमान एवं निकोबार द्वीपसमूह |
| Daman And Diu | 28 | 47 | 267 | 24 | 220 | 72 | 256 | 32 | 279 | 13 | 246 | 46 | 290 | दमन एवं दीव |
| Dadra and Nagar Haveli | 2136 | | 2135 | 1 | 2112 | 24 | 2136 | | 2136 | | 1995 | 141 | 2139 | दादरा एवं नगर हवेली |
| Puducherry | 6 | 211 | 3277 | 13 | 3009 | 281 | 3191 | 90 | 1 | | 2995 | 291 | 3456 | पुद्दुचेरी |
| **Total** | **8128106** | **5333329** | **14553168** | **734466** | **10221179** | **5227547** | **12928981** | **2381340** | **10295387** | **4885966** | **9681680** | **5805928** | **16103760** | **कुल** |

Source: http://soilhealth.dac.gov.in/, Department of Agriculture Cooperation & Farmer Welfare, (As retrieved on 08.03.2019)

स्रोत: http://soilhealth.dac.gov.in/, कृषि सहयोग एवं किसान कल्याण विभाग,

## Statement 1.23 : Land use and land cover classes - India
## विवरण 1.23 : भूमि प्रयोग एवं भूमि आच्छादन की श्रेणियां - भारत

| S. No. क्र. सं. | Level 1 | Level 2 | Area (Sq. Kms.) क्षेत्रफल (वर्ग कि.मी.) | | | स्तर 1 | स्तर 2 |
|---|---|---|---|---|---|---|---|
| | | | 1985 | 1995 | 2005 | | |
| 1 | Agriculture | Crop land | 15,58,712 | 15,56,346 | 16,14,921 | कृषि | शस्य भूमि |
| | | Fallow | 2,52,073 | 2,66,671 | 2,21,136 | | परती |
| | | Plantation | 77,493 | 77,956 | 78,560 | | बागान |
| | | ***Sub Total -1*** | **18,88,278** | **19,00,973** | **19,14,617** | | ***उप जोड़ - 1*** |
| 2 | Barren/unculturable/ Wastelands | Barren Rocky | 65,484 | 71,250 | 69,855 | बंजर/ अपरिशोध्य/ बंजर भूमि | बंजर शैलीय |
| | | Gullied / Ravinous Land | 84,414 | 78,649 | 74,355 | | नालीदार /रैविनस भूमि |
| | | Scrub Land | 1,82,860 | 1,88,342 | 1,92,873 | | कुंज भूमि |
| | | ***Sub Total-2*** | ***3,32,758*** | ***3,38,241*** | ***3,37,083*** | | ***उप जोड़ - 2*** |
| 3 | Builtup | Builtup & Urban | 34,019 | 40,090 | 47,239 | निर्मित | निर्मित और शहरी |
| | | ***Sub Total-3*** | **34,019** | **40,090** | **47,239** | | ***उप जोड़ - 3*** |
| 4 | Forest | Deciduous | 3,17,429 | 2,94,777 | 2,80,684 | वन | पर्णपाती |
| | | Evergreen/Semi evergreen | 2,08,063 | 2,05,160 | 1,97,992 | | सदाबहार/अर्ध सदाबहार |
| | | Forest Plantation | 1,50,163 | 1,49,523 | 1,47,284 | | वन बागान |
| | | Scrub Forest | 84,368 | 91,188 | 98,723 | | झाड़दार वन |
| | | Swamp / Mangroves | 4120 | 4525 | 4579 | | अनूप/मैंग्रोव |
| | | ***Sub Total-4*** | ***7,64,143*** | ***7,45,173*** | ***7,29,262*** | | ***उप जोड़ - 4*** |
| 5 | Grass / Grazing | Grass / Grazing | 54,553 | 56,604 | 61,595 | घास/चराई | घास/चराई |
| | | ***Sub Total-5*** | ***54,553*** | ***56,604*** | ***61,595*** | | ***उप जोड़ - 5*** |
| 6 | Snow and Glacier[2] | Snow and Glacier | 97,152 | 91,636 | 92,522 | बर्फ एवं हिमनद[2] | बर्फ एवं हिमनद |
| | | ***Sub Total-6*** | **97,152** | **91,636** | **92,522** | | ***उप जोड़ - 6*** |
| 7 | Wet lands / Water bodies[1] | Water bodies | 1,16,119 | 1,21,148 | 1,14,856 | दलदली भूमि/ जल पिंड[1] | जल पिंड |
| | | ***Sub Total-7*** | ***1,16,119*** | ***1,21,148*** | ***1,14,856*** | | ***उप जोड़ - 7*** |
| | ***Grand Total*** | | ***32,87,022*** | ***32,93,865*** | ***32,97,174*** | ***कुल योग*** | |

Source: National Remote Sensing Centre/स्रोत : राष्ट्रीय सुदूर संवेदन केन्द्र 2015, 7(3), 2401-2430; doi:10.3390/rs70302401 Article "Development of Decadal (1985-1995-2005) Land Use and Land Cover Database for India

Note: 1. Includes Aqua Culture, Water bodies, and Permanent Wetlands

2. Includes Salt Pan, Snow and Ice.

## Statement 1.24 : State-wise area by land cover classes

## विवरण 1.24 : भूमि आच्छादन की श्रेणियों के अनुसार राज्यवार क्षेत्रफल

(Area in Sq. Kms. क्षेत्रफल वर्ग कि.मी.)

| S. No. क्र. सं. | Level 1 | Level 2 | Andhra Pradesh आंध्र प्रदेश | | Arunachal Pradesh अरुणाचल प्रदेश | | Assam असम | | Bihar बिहार | | स्तर 1 | स्तर 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | | |
| 1 | Agriculture | Crop land | 133244.91 | 137494.61 | 2552.29 | 2678.20 | 23655.61 | 23296.60 | 59677.25 | 65078.77 | कृषि | शस्य भूमि |
| | | Current Shifting cultivation | 16.19 | 15.31 | 988.09 | 893.69 | 150.28 | 122.83 | | | | मौजूदा झूम खेती |
| | | Fallow | 25936.15 | 18979.95 | 42.09 | 70.11 | 247.84 | 624.27 | 10808.08 | 5939.42 | | परती |
| | | Plantation | 6797.65 | 8537.89 | 31.68 | 50.05 | 3815.57 | 3829.46 | 2434.34 | 2445.83 | | बागान |
| | | *Sub Total -1* | ***165994.90*** | ***165027.76*** | ***3614.16*** | ***3692.04*** | ***27869.30*** | ***27873.16*** | ***72919.67*** | ***73464.02*** | | *उप जोड़ - 1* |
| 2 | Barren/uncultura ble/ Wastelands | Barren Rocky | 2912.98 | 2893.38 | 133.12 | 175.76 | 7.37 | 7.52 | 150.28 | 150.28 | बंजर/अपरिशो ध्य/बंजर भूमि | बंजर शैलीय |
| | | Gullied / Ravinous Land | 372.88 | 371.91 | | | 6.80 | 6.80 | 60.71 | 56.87 | | नालीदार / रैविनस भूमि |
| | | Rann | | | | | | | | | | रान्न |
| | | Salt Affected Land | 1551.64 | 1606.68 | | | | | | | | नमक प्रभावित भूमि |
| | | Sandy Area | 568.39 | 490.04 | 7.53 | 7.53 | 69.69 | 216.25 | 6.79 | 5.89 | | बालूई क्षेत्र |
| | | Scrub Land | 17234.50 | 16895.25 | 2527.63 | 2399.83 | 3764.61 | 3782.50 | 3256.16 | 3058.93 | | कुंज भूमि |
| | | *Sub Total-2* | ***22640.38*** | ***22257.25*** | ***2668.27*** | ***2583.11*** | ***3848.47*** | ***4013.08*** | ***3473.95*** | ***3271.97*** | | *उप जोड़ - 2* |
| 3 | Builtup | Mining | 738.73 | 982.63 | 0.61 | 0.61 | 34.82 | 60.68 | 45.97 | 53.47 | निर्मित | खनन |
| | | Rural | 4917.12 | 4925.31 | 397.74 | 398.06 | 556.99 | 615.08 | 4448.57 | 4474.44 | | ग्रामीण |
| | | Urban | 2594.47 | 3343.83 | 122.74 | 123.04 | 560.72 | 579.34 | 797.51 | 835.46 | | शहरी |
| | | *Sub Total-3* | ***8250.32*** | ***9251.77*** | ***521.09*** | ***521.71*** | ***1152.52*** | ***1255.10*** | ***5292.05*** | ***5363.37*** | | *उप जोड़ - 3* |
| 4 | Forest | Deciduous | 44871.27 | 44574.42 | 123.95 | 137.36 | 23972.25 | 23787.33 | 4637.14 | 4687.55 | वन | पर्णपाती |
| | | Evergreen/Semi evergreen | 257.00 | 257.00 | 60031.74 | 59555.23 | 7938.60 | 7860.01 | | | | सदाबहार/अर्ध सदाबहार |
| | | Forest Plantation | 1025.86 | 1085.01 | 22.48 | 24.11 | 124.42 | 123.88 | 2.81 | 2.81 | | कुंज वन |
| | | Scrub Forest | 12966.53 | 13168.38 | 607.08 | 1347.47 | 2040.32 | 2184.56 | 1074.56 | 1024.52 | | झाड़दार वन |
| | | Swamp / Mangroves | 325.89 | 371.77 | | | | | | | | अनूप/मैंग्रोव |
| | | *Sub Total-4* | ***59446.55*** | ***59456.57*** | ***60785.25*** | ***61064.18*** | ***34075.58*** | ***33955.78*** | ***5714.51*** | ***5714.88*** | | *उप जोड़ - 4* |
| 5 | Grass / Grazing | Grass / Grazing | 129.70 | 128.97 | 5935.64 | 5782.76 | 2675.25 | 3043.49 | 17.80 | 21.28 | घास/चराई | घास/चराई |
| | | *Sub Total-5* | **129.70** | **128.97** | **5935.64** | **5782.76** | **2675.25** | **3043.49** | **17.80** | **21.28** | | *उप जोड़ - 5* |
| 6 | Snow and Glacier | Snow and Glacier | | | 8706.29 | 8547.52 | | | | | बर्फ एवं हिमन | बर्फ एवं हिमनद |
| | | *Sub Total-6* | **0.00** | **0.00** | **8706.29** | **8547.52** | **0.00** | **0.00** | **0.00** | **0.00** | | *उप जोड़ - 6* |
| 7 | Wet lands / Water bodies | Inland Wetland | 237.36 | 468.78 | 4.16 | 4.16 | 1805.03 | 1495.13 | 2021.44 | 1839.66 | दलदली भूमि/जल पिंड | अंतर्देशीय दलदली भूमि |
| | | Coastal Wetland | 1131.43 | 1082.11 | | | | | | | | तटीय दलदली भूमि |
| | | River/Stream/Canals | 5704.15 | 5933.61 | 1472.64 | 1511.27 | 6941.86 | 6728.40 | 4556.52 | 4324.23 | | नदी/धारा/नहर |
| | | Water bodies | 11533.21 | 11461.19 | 35.49 | 36.25 | 69.98 | 73.86 | 175.07 | 171.59 | | जल पिंड |
| | | Sub Total-7 | ***18606.15*** | ***18945.69*** | ***1512.29*** | ***1551.68*** | ***8816.87*** | ***8297.38*** | ***6753.03*** | ***6335.48*** | | उप जोड़ - 7 |
| | Grand Total | | ***275068.00*** | ***275068.00*** | ***83743.00*** | ***83743.00*** | ***78438.00*** | ***78438.00*** | ***94171.00*** | ***94171.00*** | कुल योग | |

*Source: National Remote Sensing Centre, Government of India.*

*स्रोत : राष्ट्रीय सुदूर संवेदन केन्द्र, भारत सरकार*

## Statement 1.24 : State-wise area by land cover classes

## विवरण 1.24 : भूमि आच्छादन की श्रेणियों के अनुसार राज्यवार क्षेत्रफल

(Area in Sq. Kms. क्षेत्रफल वर्ग कि.मी.)

| S. No. क्र. सं. | Level 1 | Level 2 | Chhattisgarh छत्तीसगढ़ | | Goa गोवा | | Gujarat गुजरात | | Haryana हरियाणा | | स्तर 1 | स्तर 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | | |
| 1 | Agriculture | Crop land | 57594.88 | 58551.41 | 564.19 | 559.65 | 110184.09 | 109601.94 | 37806.42 | 37671.80 | कृषि | शस्य भूमि |
| | | Current Shifting cultivation | 1.84 | 20.39 | | | | | | | | मौजूदा झूम खेती |
| | | Fallow | 3268.64 | 3015.37 | 28.93 | 30.56 | 14017.14 | 14326.31 | 762.73 | 486.32 | | परती |
| | | Plantation | 221.37 | 237.21 | 176.67 | 174.11 | 310.20 | 330.05 | 140.56 | 138.19 | | बागान |
| | | *Sub Total -1* | ***61086.73*** | ***61824.38*** | ***769.79*** | ***764.33*** | ***124511.44*** | ***124258.31*** | ***38709.71*** | ***38296.30*** | | *उप जोड़ - 1* |
| 2 | Barren/uncultura ble/ Wastelands | Barren Rocky | 573.21 | 566.69 | 57.59 | 57.59 | 203.43 | 203.43 | 188.56 | 187.16 | बंजर/अपरि शोध्य/बंजर भूमि | बंजर शैलीय |
| | | Gullied / Ravinous Land | 65.26 | 23.31 | | | 439.15 | 444.39 | | | | नालीदार / रैविनस भूमि |
| | | Rann | | | | | 16868.79 | 16868.50 | | | | रान्न |
| | | Salt Affected Land | 0.29 | 0.29 | | | 964.49 | 963.45 | 69.71 | 52.75 | | नमक प्रभावित भूमि |
| | | Sandy Area | 98.04 | 88.36 | 2.42 | 2.42 | 196.25 | 195.00 | 37.16 | 22.21 | | बालूई क्षेत्र |
| | | Scrub Land | 4543.76 | 4317.73 | 269.97 | 264.34 | 18668.03 | 18592.98 | 698.91 | 662.49 | | कुंज भूमि |
| | | *Sub Total-2* | ***5280.56*** | ***4996.39*** | ***329.98*** | ***324.35*** | ***37340.14*** | ***37267.74*** | ***994.34*** | ***924.61*** | | *उप जोड़ - 2* |
| 3 | Builtup | Mining | 238.30 | 295.96 | 72.73 | 83.73 | 111.92 | 125.54 | 73.98 | 109.35 | निर्मित | खनन |
| | | Rural | 3114.70 | 3114.70 | 19.84 | 19.90 | 1494.67 | 1494.50 | 796.15 | 880.71 | | ग्रामीण |
| | | Urban | 712.10 | 849.37 | 289.53 | 292.22 | 1706.41 | 1966.98 | 1220.20 | 1625.36 | | शहरी |
| | | *Sub Total-3* | ***4065.10*** | ***4260.03*** | ***382.10*** | ***395.85*** | ***3313.01*** | ***3587.02*** | ***2090.32*** | ***2615.43*** | | *उप जोड़ - 3* |
| 4 | Forest | Deciduous | 58129.63 | 57336.15 | 1157.14 | 1155.24 | 10121.97 | 10117.67 | 891.68 | 893.39 | वन | पर्णपाती |
| | | Evergreen/Semi evergreen | | | 608.37 | 608.37 | 10.21 | 10.21 | 1.24 | 1.24 | | सदाबहार/अर्ध सदाबहार |
| | | Forest Plantation | 51.10 | 58.66 | 41.00 | 41.00 | 187.88 | 187.47 | 10.57 | 10.57 | | कुंज वन |
| | | Scrub Forest | 3393.89 | 3380.77 | 207.52 | 207.52 | 1933.99 | 1933.99 | 155.14 | 153.11 | | झाड़दार वन |
| | | Swamp / Mangroves | | | 17.31 | 17.31 | 635.39 | 693.22 | | | | अनूप/मैंग्रोव |
| | | *Sub Total-4* | ***61574.62*** | ***60775.57*** | ***2031.35*** | ***2029.45*** | ***12889.44*** | ***12942.57*** | ***1058.63*** | ***1058.31*** | | *उप जोड़ - 4* |
| 5 | Grass / Grazing | Grass / Grazing | | | 0.09 | 0.09 | 17.20 | 19.59 | 856.09 | 782.01 | घास/चराई | घास/चराई |
| | | *Sub Total-5* | **0.00** | **0.00** | **0.09** | **0.09** | **17.20** | **19.59** | **856.09** | **782.01** | | *उप जोड़ - 5* |
| 6 | Snow and Glacier | Snow and Glacier | | | | | | | | | बर्फ एवं हिमन | बर्फ एवं हिमनद |
| | | *Sub Total-6* | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | | *उप जोड़ - 6* |
| 7 | Wet lands / Water bodies | Inland Wetland | 0.05 | 0.50 | 55.18 | 54.57 | 990.65 | 992.68 | 43.43 | 48.97 | दलदली भूमि/जल पिंड | अंतर्देशीय दलदली भूमि |
| | | Coastal Wetland | | | 23.28 | 23.28 | 9176.93 | 9094.20 | | | | तटीय दलदली भूमि |
| | | River/Stream/Canals | 1753.77 | 1766.31 | 79.96 | 80.07 | 3041.08 | 3053.29 | 336.85 | 348.42 | | नदी/धारा/नहर |
| | | Water bodies | 1433.18 | 1570.82 | 30.26 | 30.01 | 4744.11 | 4808.60 | 122.63 | 137.95 | | जल पिंड |
| | | Sub Total-7 | ***3186.99*** | ***3337.63*** | ***188.68*** | ***187.93*** | ***17952.77*** | ***17948.77*** | ***502.91*** | ***535.34*** | | उप जोड़ - 7 |
| | Grand Total | | ***135194.00*** | ***135194.00*** | ***3702.00*** | ***3702.00*** | ***196024.00*** | ***196024.00*** | ***44212.00*** | ***44212.00*** | कुल योग | |

*Source: National Remote Sensing Centre, Government of India.*

*स्रोत : राष्ट्रीय सुदूर संवेदन केन्द्र, भारत सरकार*

## Statement 1.24 : State-wise area by land cover classes

## विवरण 1.24 : भूमि आच्छादन की श्रेणियों के अनुसार राज्यवार क्षेत्रफल

(Area in Sq. Kms. क्षेत्रफल वर्ग कि.मी.)

| S. No. क्र. सं. | Level 1 | Level 2 | Himachal Pradesh हिमाचल प्रदेश | | Jammu & Kashmir जम्मू एवं कश्मीर | | Jharkhand झारखंड | | Karnataka कर्नाटक | | स्तर 1 | स्तर 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | | |
| 1 | Agriculture | Crop land | 6608.07 | 6503.38 | 10929.98 | 10916.58 | 32752.22 | 33058.79 | 110724.72 | 111415.90 | कृषि | शस्य भूमि |
| | | Current Shifting cultivation | | | | | | | | | | मौजूदा झूम खेती |
| | | Fallow | 1.66 | 1.66 | 158.72 | 153.27 | 4931.50 | 4520.83 | 5065.21 | 4010.41 | | परती |
| | | Plantation | 2156.28 | 2042.88 | 2073.73 | 2079.06 | 23.86 | 47.45 | 19750.14 | 19877.88 | | बागान |
| | | *Sub Total -1* | ***8766.01*** | ***8547.92*** | ***13162.43*** | ***13148.90*** | ***37707.58*** | ***37627.08*** | ***135540.07*** | ***135304.19*** | | *उप जोड़ - 1* |
| 2 | Barren/uncultura ble/ Wastelands | Barren Rocky | 6590.22 | 9551.97 | 94384.80 | 104156.80 | 465.18 | 461.38 | 1147.71 | 1141.18 | बंजर/अपरि शोध्य/बंजर भूमि | बंजर शैलीय |
| | | Gullied / Ravinous Land | 144.14 | 129.30 | 608.47 | 609.41 | 79.43 | 79.45 | 60.91 | 60.97 | | नालीदार / रैविनस भूमि |
| | | Rann | | | | | | | | | | रान्न |
| | | Salt Affected Land | 2.41 | 2.41 | 73.31 | 73.31 | | | 514.84 | 514.15 | | नमक प्रभावित भूमि |
| | | Sandy Area | 25.11 | 22.43 | 1952.46 | 1968.03 | | | 13.14 | 13.06 | | बालुई क्षेत्र |
| | | Scrub Land | 3632.66 | 3899.48 | 7212.67 | 7931.52 | 6046.70 | 6006.62 | 6849.81 | 6830.38 | | कुंज भूमि |
| | | *Sub Total-2* | ***10394.54*** | ***13605.59*** | ***104231.71*** | ***114739.06*** | ***6591.31*** | ***6547.45*** | ***8586.41*** | ***8559.74*** | | *उप जोड़ - 2* |
| 3 | Builtup | Mining | 11.42 | 14.88 | 8.32 | 8.90 | 485.66 | 553.15 | 555.47 | 579.54 | निर्मित | खनन |
| | | Rural | 397.20 | 304.99 | 370.33 | 373.22 | 2957.01 | 2953.55 | 3012.49 | 3013.02 | | ग्रामीण |
| | | Urban | 203.73 | 299.09 | 396.98 | 412.15 | 962.61 | 999.07 | 2323.94 | 2590.80 | | शहरी |
| | | *Sub Total-3* | ***612.36*** | ***618.96*** | ***775.62*** | ***794.27*** | ***4405.29*** | ***4505.77*** | ***5891.90*** | ***6183.37*** | | *उप जोड़ - 3* |
| 4 | Forest | Deciduous | 2316.55 | 2332.37 | 2657.27 | 1936.67 | 23712.21 | 23675.39 | 15910.72 | 15894.86 | वन | पर्णपाती |
| | | Evergreen/Semi evergreen | 11135.54 | 11055.31 | 14169.62 | 15164.77 | | | 9970.82 | 9969.95 | | सदाबहार/अर्ध सदाबहार |
| | | Forest Plantation | 5.73 | 5.73 | 16.31 | 15.61 | 18.66 | 27.23 | 2993.46 | 2998.93 | | कुंज वन |
| | | Scrub Forest | 1210.40 | 1194.06 | 22873.52 | 26311.66 | 5310.17 | 5310.83 | 4899.45 | 4879.10 | | झाड़दार वन |
| | | Swamp / Mangroves | 0.32 | 0.32 | | | | | 7.88 | 7.88 | | अनूप/मैंग्रोव |
| | | *Sub Total-4* | ***14668.54*** | ***14587.80*** | ***39716.72*** | ***43428.72*** | ***29041.03*** | ***29013.44*** | ***33782.33*** | ***33750.72*** | | *उप जोड़ - 4* |
| 5 | Grass / Grazing | Grass / Grazing | 9035.16 | 8550.94 | 4531.80 | 4910.09 | | | 680.61 | 679.96 | घास/चराई | घास/चराई |
| | | *Sub Total-5* | **9035.16** | **8550.94** | **4531.80** | **4910.09** | **0.00** | **0.00** | **680.61** | **679.96** | | *उप जोड़ - 5* |
| 6 | Snow and Glacier | Snow and Glacier | 10760.11 | 8316.22 | 55765.58 | 41160.07 | | | | | बर्फ एवं हिमन | बर्फ एवं हिमनद |
| | | *Sub Total-6* | **10760.11** | **8316.22** | **55765.58** | **41160.07** | **0.00** | **0.00** | **0.00** | **0.00** | | *उप जोड़ - 6* |
| 7 | Wet lands / Water bodies | Inland Wetland | 7.66 | 3.46 | 708.81 | 710.04 | 12.98 | 12.98 | 27.42 | 26.89 | दलदली भूमि/जल पिंड | अंतर्देशीय दलदली भूमि |
| | | Coastal Wetland | | | | | | | 42.00 | 42.00 | | तटीय दलदली भूमि |
| | | River/Stream/Canals | 1002.69 | 1012.47 | 2098.16 | 2077.14 | 1301.90 | 1303.00 | 1992.48 | 1995.46 | | नदी/धारा/नहर |
| | | Water bodies | 425.94 | 429.65 | 1245.17 | 1267.71 | 645.91 | 696.27 | 5247.78 | 5248.67 | | जल पिंड |
| | | Sub Total-7 | ***1436.29*** | ***1445.58*** | ***4052.13*** | ***4054.89*** | ***1960.79*** | ***2012.26*** | ***7309.68*** | ***7313.02*** | | उप जोड़ - 7 |
| | Grand Total | | ***55673.00*** | ***55673.00*** | ***222236.00*** | ***222236.00*** | ***79706.00*** | ***79706.00*** | ***191791.00*** | ***191791.00*** | कुल योग | |

*Source: National Remote Sensing Centre, Government of India.*

*स्रोत : राष्ट्रीय सुदूर संवेदन केन्द्र, भारत सरकार*

## Statement 1.24 : State-wise area by land cover classes

## विवरण 1.24 : भूमि आच्छादन की श्रेणियों के अनुसार राज्यवार क्षेत्रफल

(Area in Sq. Kms. क्षेत्रफल वर्ग कि.मी.)

| S. No. क्र. सं. | Level 1 | Level 2 | Kerala केरल | | Madhya Pradesh मध्य प्रदेश | | Maharashtra महाराष्ट्र | | Manipur मणिपुर | | स्तर 1 | स्तर 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | | |
| 1 | Agriculture | Crop land | 2683.56 | 2634.22 | 182790.38 | 182202.58 | 184746.07 | 188103.93 | 1554.02 | 1534.18 | कृषि | शस्य भूमि |
| | | Current Shifting cultivation | | | | | | | 492.39 | 450.87 | | मौजूदा झूम खेती |
| | | Fallow | 77.70 | 98.78 | 6516.56 | 5775.34 | 19233.42 | 14689.73 | 8.63 | 8.63 | | परती |
| | | Plantation | 19009.88 | 18924.47 | 50.28 | 55.90 | 6259.43 | 6133.37 | 37.04 | 37.92 | | बागान |
| | | *Sub Total -1* | ***21771.14*** | ***21657.47*** | ***189357.22*** | ***188033.82*** | ***210238.93*** | ***208927.03*** | ***2092.08*** | ***2031.60*** | | *उप जोड़ - 1* |
| 2 | Barren/unculturable/ Wastelands | Barren Rocky | 258.93 | 257.21 | 433.96 | 418.76 | 1103.44 | 1094.20 | | | बंजर/अपरिशोध्य/बंजर भूमि | बंजर शैलीय |
| | | Gullied / Ravinous Land | | | 1466.36 | 1465.07 | 500.83 | 484.86 | | | | नालीदार /रैविनस भूमि |
| | | Rann | | | | | | | | | | रान्न |
| | | Salt Affected Land | | | 1.86 | | 16.91 | 8.10 | | | | नमक प्रभावित भूमि |
| | | Sandy Area | 19.06 | 15.04 | | | 0.86 | 0.95 | | | | बालूई क्षेत्र |
| | | Scrub Land | 1373.87 | 1387.42 | 23815.00 | 23558.56 | 22422.58 | 22169.34 | 3146.08 | 3060.71 | | कुंज भूमि |
| | | *Sub Total-2* | ***1651.85*** | ***1659.67*** | ***25717.17*** | ***25442.38*** | ***24044.62*** | ***23757.45*** | ***3146.08*** | ***3060.71*** | | *उप जोड़ - 2* |
| 3 | Builtup | Mining | 53.22 | 55.62 | 229.49 | 288.06 | 293.74 | 349.31 | | | निर्मित | खनन |
| | | Rural | 2423.11 | 2425.78 | 2781.12 | 2771.99 | 2982.16 | 3084.29 | 302.23 | 307.28 | | ग्रामीण |
| | | Urban | 554.88 | 663.65 | 1425.84 | 1611.37 | 3106.62 | 3849.04 | 101.84 | 103.25 | | शहरी |
| | | *Sub Total-3* | ***3031.21*** | ***3145.05*** | ***4436.45*** | ***4671.41*** | ***6382.52*** | ***7282.64*** | ***404.07*** | ***410.52*** | | *उप जोड़ - 3* |
| 4 | Forest | Deciduous | 1595.65 | 1572.67 | 69196.97 | 69054.04 | 40396.15 | 39994.02 | 11801.32 | 11701.08 | वन | पर्णपाती |
| | | Evergreen/Semi evergreen | 6040.41 | 6021.11 | 0.10 | 0.10 | 7165.69 | 7163.96 | 2774.07 | 2756.01 | | सदाबहार/अर्ध सदाबहार |
| | | Forest Plantation | 2127.65 | 2122.48 | 34.17 | 65.53 | 263.18 | 354.94 | 1.59 | 1.59 | | कुंज वन |
| | | Scrub Forest | 889.32 | 915.61 | 12290.58 | 12218.50 | 8780.72 | 9014.18 | 1566.49 | 1818.03 | | झाड़दार वन |
| | | Swamp / Mangroves | 0.24 | 0.24 | | | 310.95 | 310.95 | | | | अनूप/मैंग्रोव |
| | | *Sub Total-4* | ***10653.27*** | ***10632.10*** | ***81521.82*** | ***81338.16*** | ***56916.69*** | ***56838.05*** | ***16143.47*** | ***16276.71*** | | *उप जोड़ - 4* |
| 5 | Grass / Grazing | Grass / Grazing | 198.39 | 198.46 | 1.89 | 1.61 | 2.11 | 2.10 | 2.56 | 2.56 | घास/चराई | घास/चराई |
| | | *Sub Total-5* | **198.39** | **198.46** | **1.89** | **1.61** | **2.11** | **2.10** | **2.56** | **2.56** | | *उप जोड़ - 5* |
| 6 | Snow and Glacier | Snow and Glacier | | | | | | | | | बर्फ एवं हिम | बर्फ एवं हिमनद |
| | | *Sub Total-6* | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | | *उप जोड़ - 6* |
| 7 | Wet lands / Water bodies | Inland Wetland | 254.43 | 264.28 | | | 2.44 | 2.39 | 287.36 | 287.36 | दलदली भूमि/जल पिंड | अंतर्देशीय दलदली भूमि |
| | | Coastal Wetland | 105.73 | 105.28 | | | 1002.93 | 998.85 | | | | तटीय दलदली भूमि |
| | | River/Stream/Canals | 572.98 | 572.05 | 3443.84 | 3444.14 | 3892.92 | 3905.06 | 134.64 | 140.81 | | नदी/धारा/नहर |
| | | Water bodies | 624.00 | 628.62 | 3773.61 | 5320.48 | 5206.13 | 5975.72 | 116.73 | 116.73 | | जल पिंड |
| | | Sub Total-7 | ***1557.14*** | ***1570.24*** | ***7217.45*** | ***8764.62*** | ***10104.42*** | ***10882.02*** | ***538.73*** | ***544.90*** | | उप जोड़ - 7 |
| | Grand Total | | ***38863.00*** | ***38863.00*** | ***308252.00*** | ***308252.00*** | ***307689.29*** | ***307689.29*** | ***22327.00*** | ***22327.00*** | कुल योग | |

*Source: National Remote Sensing Centre, Government of India.*

*स्रोत : राष्ट्रीय सुदूर संवेदन केन्द्र, भारत सरकार*

## Statement 1.24 : State-wise area by land cover classes

## विवरण 1.24 : भूमि आच्छादन की श्रेणियों के अनुसार राज्यवार क्षेत्रफल

(Area in Sq. Kms. क्षेत्रफल वर्ग कि.मी.))

| S. No. क्र. सं. | Level 1 | Level 2 | Meghalaya मेघालय | | Mizoram मिजोरम | | Nagaland नागालैंड | | Odisha ओडिशा | | स्तर 1 | स्तर 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | | |
| 1 | Agriculture | Crop land | 1262.61 | 1291.35 | 165.23 | 173.91 | 581.35 | 581.68 | 76648.12 | 76039.01 | कृषि | शस्य भूमि |
| | | Current Shifting cultivation | 322.49 | 233.04 | 919.57 | 790.52 | 1135.15 | 1165.67 | 1050.85 | 716.42 | | मौजूदा झूम खेती |
| | | Fallow | 0.40 | 1.49 | | | 14.05 | 20.73 | 2105.20 | 2285.51 | | परती |
| | | Plantation | 565.72 | 564.21 | 78.82 | 83.86 | 8.98 | 9.42 | 333.84 | 337.26 | | बागान |
| | | *Sub Total -1* | ***2151.22*** | ***2090.09*** | ***1163.63*** | ***1048.28*** | ***1739.53*** | ***1777.50*** | ***80138.01*** | ***79378.20*** | | *उप जोड़ - 1* |
| 2 | Barren/unculturable/ Wastelands | Barren Rocky | 262.84 | 262.84 | 0.20 | 5.07 | 0.86 | 0.86 | 482.71 | 482.71 | बंजर/अपरिशोध्य/बंजर भूमि | बंजर शैलीय |
| | | Gullied / Ravinous Land | | | | | | | 716.38 | 717.62 | | नालीदार / रैविनस भूमि |
| | | Rann | | | | | | | | | | रान्न |
| | | Salt Affected Land | | | | | | | 28.58 | 15.33 | | नमक प्रभावित भूमि |
| | | Sandy Area | 4.39 | 4.39 | | | | | 51.92 | 51.41 | | बालुई क्षेत्र |
| | | Scrub Land | 2834.70 | 2836.70 | 119.83 | 139.81 | 2128.90 | 2353.17 | 10711.00 | 10770.09 | | कुंज भूमि |
| | | *Sub Total-2* | ***3101.92*** | ***3103.93*** | ***120.03*** | ***144.89*** | ***2129.77*** | ***2354.03*** | ***11990.60*** | ***12037.15*** | | *उप जोड़ - 2* |
| 3 | Builtup | Mining | 1.35 | 1.77 | | | 8.99 | 8.99 | 165.17 | 221.79 | निर्मित | खनन |
| | | Rural | 727.55 | 773.32 | 118.75 | 123.91 | 240.68 | 251.98 | 4971.50 | 4966.08 | | ग्रामीण |
| | | Urban | 83.77 | 88.19 | 63.68 | 65.37 | 88.46 | 89.53 | 852.08 | 1079.09 | | शहरी |
| | | *Sub Total-3* | ***812.66*** | ***863.28*** | ***182.43*** | ***189.28*** | ***338.14*** | ***350.50*** | ***5988.75*** | ***6266.97*** | | *उप जोड़ - 3* |
| 4 | Forest | Deciduous | 14632.81 | 14641.51 | 7475.49 | 7224.11 | 9916.95 | 9501.90 | 43235.38 | 43154.88 | वन | पर्णपाती |
| | | Evergreen/Semi evergreen | 756.69 | 753.72 | 7148.77 | 7008.61 | 348.39 | 347.24 | | | | सदाबहार/अर्ध सदाबहार |
| | | Forest Plantation | 13.59 | 13.59 | 100.86 | 105.74 | 127.61 | 126.91 | 873.17 | 874.29 | | कुंज वन |
| | | Scrub Forest | 604.28 | 612.91 | 4644.29 | 5091.50 | 1759.51 | 1901.66 | 5970.32 | 6421.25 | | झाड़दार वन |
| | | Swamp / Mangroves | 0.58 | 0.58 | | | | | 243.96 | 270.05 | | अनूप/मैंग्रोव |
| | | *Sub Total-4* | ***16007.95*** | ***16022.30*** | ***19369.40*** | ***19429.97*** | ***12152.46*** | ***11877.71*** | ***50322.83*** | ***50720.47*** | | *उप जोड़ - 4* |
| 5 | Grass / Grazing | Grass / Grazing | 0.03 | 0.03 | 112.72 | 112.44 | 17.87 | 17.87 | | | घास/चराई | घास/चराई |
| | | *Sub Total-5* | **0.03** | **0.03** | **112.72** | **112.44** | **17.87** | **17.87** | **0.00** | **0.00** | | *उप जोड़ - 5* |
| 6 | Snow and Glacier | Snow and Glacier | | | | | | | | | बर्फ एवं हिमनद | बर्फ एवं हिमनद |
| | | *Sub Total-6* | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | | *उप जोड़ - 6* |
| 7 | Wet lands / Water bodies | Inland Wetland | 61.50 | 55.80 | 0.04 | 0.04 | | | 467.99 | 463.83 | दलदली भूमि/जल पिंड | अंतर्देशीय दलदली भूमि |
| | | Coastal Wetland | | | | | | | 1192.39 | 1143.54 | | तटीय दलदली भूमि |
| | | River/Stream/Canals | 275.18 | 275.10 | 130.20 | 130.55 | 180.35 | 180.28 | 3116.38 | 3116.44 | | नदी/धारा/नहर |
| | | Water bodies | 18.53 | 18.47 | 2.54 | 25.56 | 20.88 | 21.12 | 2490.05 | 2580.41 | | जल पिंड |
| | | Sub Total-7 | ***355.21*** | ***349.37*** | ***132.79*** | ***156.15*** | ***201.23*** | ***201.40*** | ***7266.81*** | ***7304.21*** | | उप जोड़ - 7 |
| | Grand Total | | ***22429.00*** | ***22429.00*** | ***21081.00*** | ***21081.00*** | ***16579.00*** | ***16579.00*** | ***155707.00*** | ***155707.00*** | कुल योग | |

*Source: National Remote Sensing Centre, Government of India.*

*स्रोत : राष्ट्रीय सुदूर संवेदन केन्द्र, भारत सरकार*

## Statement 1.24 : State-wise area by land cover classes

## विवरण 1.24 : भूमि आच्छादन की श्रेणियों के अनुसार राज्यवार क्षेत्रफल

(Area in Sq. Kms. क्षेत्रफल वर्ग कि

| S. No. क्र. सं. | Level 1 | Level 2 | Punjab पंजाब | | Rajasthan राजस्थान | | Sikkim सिक्किम | | Tamil Nadu तमिलनाडु | | स्तर 1 | स्तर 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | | |
| 1 | Agriculture | Crop land | 43186.54 | 42805.67 | 138908.65 | 155037.14 | 583.93 | 582.92 | 64315.74 | 63963.67 | कृषि | शस्य भूमि |
| | | Current Shifting cultivation | | | | | | | | | | मौजूदा झूम खेती |
| | | Fallow | 28.13 | 69.67 | 77078.17 | 65821.34 | 0.57 | 0.57 | 14070.71 | 13949.50 | | परती |
| | | Plantation | 562.50 | 817.17 | 100.17 | 106.30 | 6.23 | 6.23 | 9509.05 | 9531.57 | | बागान |
| | | *Sub Total -1* | ***43777.16*** | ***43692.51*** | ***216086.99*** | ***220964.79*** | ***590.73*** | ***589.71*** | ***87895.50*** | ***87444.74*** | | *उप जोड़ - 1* |
| 2 | Barren/unculturable/ Wastelands | Barren Rocky | | | 4995.21 | 4979.61 | 992.61 | 810.95 | 283.15 | 270.94 | बंजर/अपरिशोध्य/बंजर भूमि | बंजर शैलीय |
| | | Gullied / Ravinous Land | 37.98 | 35.17 | 2649.53 | 2510.29 | 0.43 | 7.48 | 66.10 | 69.71 | | नालीदार / रैविनस भूमि |
| | | Rann | | | 196.23 | 196.33 | | | | | | रान्न |
| | | Salt Affected Land | 59.36 | 25.60 | 938.61 | 798.34 | | | 534.80 | 530.27 | | नमक प्रभावित भूमि |
| | | Sandy Area | 438.64 | 128.57 | 30155.02 | 25013.77 | 3.63 | 3.62 | 213.41 | 200.15 | | बालूई क्षेत्र |
| | | Scrub Land | 338.15 | 355.34 | 41168.08 | 41410.09 | 20.56 | 19.56 | 4961.21 | 4966.79 | | कुंज भूमि |
| | | *Sub Total-2* | ***874.13*** | ***544.69*** | ***80102.69*** | ***74908.44*** | ***1017.23*** | ***841.61*** | ***6058.66*** | ***6037.87*** | | *उप जोड़ - 2* |
| 3 | Builtup | Mining | 48.51 | 122.05 | 332.18 | 398.29 | | 0.09 | 229.94 | 380.35 | निर्मित | खनन |
| | | Rural | 1654.80 | 1735.70 | 3037.56 | 3062.94 | 5.37 | 5.54 | 3711.27 | 3772.11 | | ग्रामीण |
| | | Urban | 1566.81 | 1819.99 | 1708.95 | 1939.54 | 17.29 | 18.86 | 2076.07 | 2312.98 | | शहरी |
| | | *Sub Total-3* | ***3270.12*** | ***3677.74*** | ***5078.70*** | ***5400.77*** | ***22.66*** | ***24.48*** | ***6017.28*** | ***6465.43*** | | *उप जोड़ - 3* |
| 4 | Forest | Deciduous | 1422.25 | 1419.24 | 16898.74 | 17365.93 | 181.22 | 181.51 | 11258.62 | 11255.49 | वन | पर्णपाती |
| | | Evergreen/Semi evergreen | 12.75 | 12.75 | | | 2678.10 | 2663.38 | 5074.68 | 5077.26 | | सदाबहार/अर्ध सदाबहार |
| | | Forest Plantation | 16.20 | 14.80 | 119.00 | 139.49 | 3.90 | 3.85 | 1380.46 | 1379.58 | | कुंज वन |
| | | Scrub Forest | 68.77 | 69.97 | 11483.62 | 11020.56 | 47.19 | 46.78 | 2655.01 | 2652.68 | | झाड़दार वन |
| | | Swamp / Mangroves | | | | | | | 107.76 | 107.76 | | अनूप/मैंग्रोव |
| | | *Sub Total-4* | ***1519.97*** | ***1516.76*** | ***28501.36*** | ***28525.98*** | ***2910.40*** | ***2895.51*** | ***20476.55*** | ***20472.76*** | | *उप जोड़ - 4* |
| 5 | Grass / Grazing | Grass / Grazing | | 0.00 | 6056.70 | 5595.45 | 690.83 | 627.40 | 174.12 | 171.83 | घास/चराई | घास/चराई |
| | | *Sub Total-5* | **0.00** | **0.00** | **6056.70** | **5595.45** | **690.83** | **627.40** | **174.12** | **171.83** | | *उप जोड़ - 5* |
| 6 | Snow and Glacier | Snow and Glacier | | | | | 1809.68 | 2058.89 | | | बर्फ एवं हि | बर्फ एवं हिमनद |
| | | *Sub Total-6* | **0.00** | **0.00** | **0.00** | **0.00** | **1809.68** | **2058.89** | **0.00** | **0.00** | | *उप जोड़ - 6* |
| 7 | Wet lands / Water bodies | Inland Wetland | 124.96 | 114.35 | 203.03 | 245.04 | | | 43.04 | 49.05 | दलदली भूमि/जल पिंड | अंतर्देशीय दलदली भूमि |
| | | Coastal Wetland | | | | | | | 983.20 | 977.49 | | तटीय दलदली भूमि |
| | | River/Stream/Canals | 712.41 | 727.44 | 3388.32 | 3400.46 | 40.68 | 40.69 | 1751.12 | 1702.33 | | नदी/धारा/नहर |
| | | Water bodies | 83.24 | 88.51 | 2821.21 | 3198.07 | 13.78 | 17.69 | 6656.73 | 6734.70 | | जल पिंड |
| | | Sub Total-7 | ***920.61*** | ***930.30*** | ***6412.56*** | ***6843.57*** | ***54.47*** | ***58.38*** | ***9434.10*** | ***9463.57*** | | उप जोड़ - 7 |
| | Grand Total | | ***50362.00*** | ***50362.00*** | ***342239.00*** | ***342239.00*** | ***7096.00*** | ***7096.00*** | ***130056.21*** | ***130056.21*** | कुल योग | |

*Source: National Remote Sensing Centre, Government of India.*

*स्रोत : राष्ट्रीय सुदूर संवेदन केन्द्र, भारत सरकार*

## Statement 1.24 : State-wise area by land cover classes

## विवरण 1.24 : भूमि आच्छादन की श्रेणियों के अनुसार राज्यवार क्षेत्रफल

(Area in Sq. Kms. क्षेत्रफल वर्ग कि.मी / वर्ग कि.मी.))

| S. No. क्र. सं. | Level 1 | Level 2 | Tripura त्रिपुरा | | Uttar Pradesh उत्तर प्रदेश | | Uttarakand उत्तराखंड | | West Bengal पश्चिम बंगाल | | स्तर 1 | स्तर 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | | |
| 1 | Agriculture | Crop land | 1388.16 | 1402.73 | 170450.43 | 181268.35 | 9564.97 | 9578.81 | 51992.58 | 51684.57 | कृषि | शस्य भूमि |
| | | Current Shifting cultivation | 80.89 | 125.52 | | | | | | | | मौजूदा झूम खेती |
| | | Fallow | 17.68 | 32.26 | 12350.80 | 5265.07 | 1014.59 | 977.09 | 154.13 | 42.97 | | परती |
| | | Plantation | 756.38 | 730.71 | 4383.62 | 4550.84 | 174.42 | 170.67 | 2403.82 | 2499.78 | | बागान |
| | | *Sub Total -1* | ***2243.12*** | ***2291.21*** | ***187184.85*** | ***191084.27*** | ***10753.99*** | ***10726.56*** | ***54550.53*** | ***54227.32*** | | *उप जोड़ - 1* |
| 2 | Barren/unculturable/ Wastelands | Barren Rocky | | | 688.42 | 679.74 | 3123.14 | 6038.17 | 61.63 | 57.92 | बंजर/अपरिशोध्य/बंजर भूमि | बंजर शैलीय |
| | | Gullied / Ravinous Land | 0.08 | 0.08 | 3132.90 | 2891.76 | 4.27 | 4.27 | 19.07 | 18.47 | | नालीदार / रैविनस भूमि |
| | | Rann | | | | | | | | | | रान्न |
| | | Salt Affected Land | | | 4439.75 | 3742.92 | | | 0.18 | 0.84 | | नमक प्रभावित भूमि |
| | | Sandy Area | 4.66 | 4.67 | 95.87 | 9.65 | 7.09 | 7.09 | 40.89 | 31.65 | | बालूई क्षेत्र |
| | | Scrub Land | 566.36 | 617.25 | 9993.90 | 7062.55 | 681.15 | 697.93 | 1515.74 | 1532.60 | | कुंज भूमि |
| | | *Sub Total-2* | ***571.10*** | ***622.00*** | ***18350.84*** | ***14386.62*** | ***3815.64*** | ***6747.46*** | ***1637.51*** | ***1641.47*** | | *उप जोड़ - 2* |
| 3 | Builtup | Mining | 4.95 | 5.37 | 96.89 | 114.59 | 19.61 | 19.91 | 182.47 | 251.00 | निर्मित | खनन |
| | | Rural | 468.41 | 492.57 | 7010.21 | 4341.19 | 210.31 | 210.59 | 13234.94 | 13236.66 | | ग्रामीण |
| | | Urban | 332.48 | 342.31 | 4154.83 | 6962.63 | 382.59 | 385.58 | 2225.01 | 2366.97 | | शहरी |
| | | *Sub Total-3* | ***805.84*** | ***840.25*** | ***11261.93*** | ***11418.41*** | ***612.50*** | ***616.09*** | ***15642.42*** | ***15854.63*** | | *उप जोड़ - 3* |
| 4 | Forest | Deciduous | 1958.69 | 1937.04 | 8832.25 | 8858.45 | 6570.88 | 6564.20 | 6309.03 | 6324.97 | वन | पर्णपाती |
| | | Evergreen/Semi evergreen | 3981.21 | 3865.94 | | | 16132.86 | 16130.95 | 197.51 | 197.82 | | सदाबहार/अर्ध सदाबहार |
| | | Forest Plantation | 310.74 | 307.26 | 72.78 | 77.59 | 804.91 | 803.13 | 652.37 | 755.20 | | कुंज वन |
| | | Scrub Forest | 500.66 | 510.86 | 3465.35 | 3409.11 | 2330.20 | 2328.55 | 581.45 | 537.68 | | झाड़दार वन |
| | | Swamp / Mangroves | | | 212.78 | 209.42 | 8.83 | 8.83 | 2493.35 | 2487.83 | | अनूप/मैंग्रोव |
| | | *Sub Total-4* | ***6751.30*** | ***6621.10*** | ***12583.16*** | ***12554.58*** | ***25847.69*** | ***25835.66*** | ***10233.71*** | ***10303.51*** | | *उप जोड़ - 4* |
| 5 | Grass / Grazing | Grass / Grazing | | | 375.28 | 309.68 | 4150.58 | 4411.75 | 145.19 | 109.52 | घास/चराई | घास/चराई |
| | | *Sub Total-5* | **0.00** | **0.00** | **375.28** | **309.68** | **4150.58** | **4411.75** | **145.19** | **109.52** | | *उप जोड़ - 5* |
| 6 | Snow and Glacier | Snow and Glacier | | | | | 7066.26 | 3870.91 | | | बर्फ एवं हि | बर्फ एवं हिमनद |
| | | *Sub Total-6* | **0.00** | **0.00** | **0.00** | **0.00** | **7066.26** | **3870.91** | **0.00** | **0.00** | | *उप जोड़ - 6* |
| 7 | Wet lands / Water bodies | Inland Wetland | 7.17 | 5.52 | 2756.20 | 2309.33 | 0.05 | 0.05 | 367.26 | 365.74 | दलदली भूमि/जल पिंड | अंतर्देशीय दलदली भूमि |
| | | Coastal Wetland | | | | | | | 512.11 | 506.70 | | तटीय दलदली भूमि |
| | | River/Stream/Canals | 51.49 | 50.57 | 6659.39 | 7057.84 | 1054.16 | 1072.80 | 4585.83 | 4511.33 | | नदी/धारा/नहर |
| | | Water bodies | 55.98 | 55.36 | 1755.36 | 1806.29 | 182.13 | 201.73 | 1077.33 | 1231.67 | | जल पिंड |
| | | Sub Total-7 | ***114.64*** | ***111.45*** | ***11170.94*** | ***11173.45*** | ***1236.35*** | ***1274.58*** | ***6542.53*** | ***6615.43*** | | उप जोड़ - 7 |
| | Grand Total | | ***10486.00*** | ***10486.00*** | ***240927.00*** | ***240927.00*** | ***53483.00*** | ***53483.00*** | ***88751.89*** | ***88751.89*** | कुल योग | |

*Source: National Remote Sensing Centre, Government of India.*

*स्रोत : राष्ट्रीय सुदूर संवेदन केन्द्र, भारत सरकार*

## Statement 1.24 : State-wise area by land cover classes

## विवरण 1.24 : भूमि आच्छादन की श्रेणियों के अनुसार राज्यवार क्षेत्रफल

(Area in Sq. Kms. क्षेत्रफल वर्ग कि.मी

| S. No. क्र. सं. | Level 1 | Level 2 | A & N Island अंडमान एवं निकोबार | | Chandigarh चंडीगढ़ | | D & N Haveli दादरा एवं नगर हवेली | | Daman & Diu दमन एवं दीव | | स्तर 1 | स्तर 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | | |
| 1 | Agriculture | Crop land | 317.25 | 318.50 | 13.91 | 12.85 | 120.75 | 112.51 | 37.71 | 37.67 | कृषि | शस्य भूमि |
| | | Current Shifting cultivation | | | | | | | | | | मौजूदा झूम खेती |
| | | Fallow | | | 3.82 | 1.08 | 91.51 | 89.93 | 10.62 | 10.62 | | परती |
| | | Plantation | 73.75 | 73.75 | 0.93 | 1.02 | 16.15 | 15.31 | 9.03 | 9.03 | | बागान |
| | | *Sub Total -1* | ***391.00*** | ***392.25*** | ***18.65*** | ***14.96*** | ***228.40*** | ***217.75*** | ***57.36*** | ***57.32*** | | *उप जोड़ - 1* |
| 2 | Barren/unculturable/ Wastelands | Barren Rocky | | | | | | | | | बंजर/अपरिशोध्य/बंजर भूमि | बंजर शैलीय |
| | | Gullied / Ravinous Land | | | 0.07 | 0.07 | | | 0.40 | 0.40 | | नालीदार / रैविनस भूमि |
| | | Rann | | | | | | | | | | रान्न |
| | | Salt Affected Land | | | | | | | 0.92 | 0.92 | | नमक प्रभावित भूमि |
| | | Sandy Area | 7.50 | 7.50 | | | | | | | | बालूई क्षेत्र |
| | | Scrub Land | 1.09 | 1.09 | 1.18 | 1.35 | 43.22 | 42.36 | 7.37 | 7.37 | | कुंज भूमि |
| | | *Sub Total-2* | ***8.59*** | ***8.59*** | ***1.25*** | ***1.42*** | ***43.22*** | ***42.36*** | ***8.69*** | ***8.69*** | | *उप जोड़ - 2* |
| 3 | Builtup | Mining | | | 0.12 | | 0.86 | 1.03 | 1.01 | 1.01 | निर्मित | खनन |
| | | Rural | 1.44 | 1.44 | 2.79 | 2.90 | 0.52 | 1.74 | 0.78 | 0.78 | | ग्रामीण |
| | | Urban | 63.92 | 63.92 | 80.23 | 83.85 | 20.67 | 30.86 | 20.61 | 20.65 | | शहरी |
| | | *Sub Total-3* | ***65.36*** | ***65.36*** | ***83.15*** | ***86.75*** | ***22.06*** | ***33.63*** | ***22.39*** | ***22.43*** | | *उप जोड़ - 3* |
| 4 | Forest | Deciduous | 1395.62 | 1391.84 | 8.75 | 8.59 | 119.07 | 118.51 | 1.07 | 1.07 | वन | पर्णपाती |
| | | Evergreen/Semi evergreen | 5096.91 | 5100.46 | | | 6.87 | 6.85 | | | | सदाबहार/अर्ध सदाबहार |
| | | Forest Plantation | | | | | | | | | | कुंज वन |
| | | Scrub Forest | 273.45 | 272.94 | | | 50.44 | 51.03 | | | | झाड़दार वन |
| | | Swamp / Mangroves | 822.10 | 820.88 | | | | | 0.89 | 0.89 | | अनूप/मैंग्रोव |
| | | *Sub Total-4* | ***7588.09*** | ***7586.12*** | ***8.75*** | ***8.59*** | ***176.38*** | ***176.39*** | ***1.96*** | ***1.96*** | | *उप जोड़ - 4* |
| 5 | Grass / Grazing | Grass / Grazing | | | | | | | | | घास/चराई | घास/चराई |
| | | *Sub Total-5* | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | | *उप जोड़ - 5* |
| 6 | Snow and Glacier | Snow and Glacier | | | | | | | | | बर्फ एवं हिमन | बर्फ एवं हिमनद |
| | | *Sub Total-6* | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | | *उप जोड़ - 6* |
| 7 | Wet lands / Water bodies | Inland Wetland | 18.86 | 18.86 | 0.02 | 0.02 | | | 8.25 | 8.25 | दलदली भूमि/जल पिंड | अंतर्देशीय दलदली भूमि |
| | | Coastal Wetland | 114.10 | 115.05 | | | | | 8.29 | 8.29 | | तटीय दलदली भूमि |
| | | River/Stream/Canals | 55.96 | 55.96 | 0.75 | 0.75 | 8.05 | 8.05 | 4.51 | 4.51 | | नदी/धारा/नहर |
| | | Water bodies | 7.05 | 6.80 | 1.43 | 1.52 | 12.88 | 12.82 | 0.55 | 0.55 | | जल पिंड |
| | | Sub Total-7 | ***195.96*** | ***196.68*** | ***2.19*** | ***2.28*** | ***20.94*** | ***20.87*** | ***21.59*** | ***21.59*** | | उप जोड़ - 7 |
| | Grand Total | | ***8249.00*** | ***8249.00*** | ***114.00*** | ***114.00*** | ***491.00*** | ***491.00*** | ***112.00*** | ***112.00*** | कुल योग | |

*Source: National Remote Sensing Centre, Government of India.*

*स्रोत : राष्ट्रीय सुदूर संवेदन केन्द्र, भारत सरकार*

## Statement 1.24 : State-wise area by land cover classes

## विवरण 1.24 : भूमि आच्छादन की श्रेणियों के अनुसार राज्यवार क्षेत्रफल

(Area in Sq. Kms. क्षेत्रफल वर्ग कि.

| S. No. क्र. सं. | Level 1 | Level 2 | Delhi दिल्ली | | Lakshadweep लक्षद्वीप | | Puducherry पुद्दुचेरी | | India (Total) भारत (कुल योग) | | स्तर 1 | स्तर 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | 2005-06 | 2011-12 | | |
| 1 | Agriculture | Crop land | 469.40 | 452.45 | | | 236.43 | 235.02 | 1518312.41 | 1556881.34 | कृषि | शस्य भूमि |
| | | Current Shifting cultivation | | | | | | | 5157.73 | 4534.23 | | मौजूदा झूम खेती |
| | | Fallow | 91.54 | 76.68 | | | 67.82 | 66.45 | 198204.75 | 161441.91 | | परती |
| | | Plantation | 2.43 | 15.95 | | | 21.65 | 21.41 | 82296.21 | 84486.21 | | बागान |
| | | *Sub Total -1* | ***563.37*** | ***545.07*** | ***0.00*** | ***0.00*** | ***325.90*** | ***322.87*** | ***1803971.10*** | ***1807343.69*** | | *उप जोड़ - 1* |
| 2 | Barren/unculturable/ Wastelands | Barren Rocky | 0.10 | 0.10 | | | | | 119501.63 | 134912.25 | बंजर/अपरिशोध्य/बंजर भूमि | बंजर शैलीय |
| | | Gullied / Ravinous Land | 6.75 | 6.06 | | | 0.04 | 0.04 | 10438.95 | 9993.75 | | नालीदार / रैविनस भूमि |
| | | Rann | | | | | | | 17065.02 | 17064.83 | | रान्न |
| | | Salt Affected Land | 0.15 | 0.15 | | | 0.10 | 0.10 | 9197.90 | 8335.62 | | नमक प्रभावित भूमि |
| | | Sandy Area | | | | | 2.43 | 2.43 | 34022.33 | 28512.10 | | बालूई क्षेत्र |
| | | Scrub Land | 65.51 | 62.24 | | | 9.14 | 8.24 | 200630.06 | 197702.59 | | कुंज भूमि |
| | | *Sub Total-2* | ***72.52*** | ***68.55*** | ***0.00*** | ***0.00*** | ***11.70*** | ***10.80*** | ***390855.88*** | ***396521.13*** | | *उप जोड़ - 2* |
| 3 | Builtup | Mining | 0.89 | 0.67 | | | 0.08 | 0.08 | 4047.37 | 5088.43 | निर्मित | खनन |
| | | Rural | 49.90 | 50.70 | 0.00 | 0.00 | 34.70 | 34.75 | 66452.91 | 64221.68 | | ग्रामीण |
| | | Urban | 735.97 | 754.25 | 0.46 | 0.46 | 67.44 | 73.68 | 31621.47 | 38642.74 | | शहरी |
| | | *Sub Total-3* | ***786.76*** | ***805.62*** | ***0.46*** | ***0.46*** | ***102.22*** | ***108.51*** | ***102121.75*** | ***107952.85*** | | *उप जोड़ - 3* |
| 4 | Forest | Deciduous | 9.09 | 10.59 | | | 0.17 | 0.17 | 441717.97 | 438810.20 | वन | पर्णपाती |
| | | Evergreen/Semi evergreen | | | | | | | 161538.16 | 161588.25 | | सदाबहार/अर्ध सदाबहार |
| | | Forest Plantation | 0.38 | 0.38 | | | 0.03 | 0.03 | 11402.85 | 11727.38 | | कुंज वन |
| | | Scrub Forest | 12.06 | 12.06 | | | | | 114646.29 | 120001.85 | | झाड़दार वन |
| | | Swamp / Mangroves | | | | | 1.70 | 1.70 | 5189.94 | 5309.63 | | अनूप/मैंग्रोव |
| | | *Sub Total-4* | ***21.53*** | ***23.03*** | ***0.00*** | ***0.00*** | ***1.90*** | ***1.90*** | ***734495.20*** | ***737437.31*** | | *उप जोड़ - 4* |
| 5 | Grass / Grazing | Grass / Grazing | 6.23 | 5.70 | | | | | 35813.88 | 35485.60 | घास/चराई | घास/चराई |
| | | *Sub Total-5* | **6.23** | **5.70** | **0.00** | **0.00** | **0.00** | **0.00** | **35813.88** | **35485.60** | | *उप जोड़ - 5* |
| 6 | Snow and Glacier | Snow and Glacier | | | | | | | 84107.93 | 63953.61 | बर्फ एवं हि | बर्फ एवं हिमनद |
| | | *Sub Total-6* | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **84107.93** | **63953.61** | | *उप जोड़ - 6* |
| 7 | Wet lands / Water bodies | Inland Wetland | 4.10 | 4.10 | | | 0.04 | 0.90 | 10520.90 | 9852.73 | दलदली भूमि/जल पिंड | अंतर्देशीय दलदली भूमि |
| | | Coastal Wetland | | | 29.25 | 29.25 | 8.28 | 7.46 | 14329.91 | 14133.50 | | तटीय दलदली भूमि |
| | | River/Stream/Canals | 24.70 | 27.14 | | | 16.21 | 16.21 | 60382.15 | 60574.18 | | नदी/धारा/नहर |
| | | Water bodies | 3.78 | 3.78 | 0.00 | 0.00 | 25.75 | 23.34 | 50658.40 | 54002.50 | | जल पिंड |
| | | Sub Total-7 | ***32.59*** | ***35.03*** | ***29.25*** | ***29.25*** | ***50.28*** | ***47.92*** | ***135891.36*** | ***138562.91*** | | उप जोड़ - 7 |
| | Grand Total | | ***1483.00*** | ***1483.00*** | ***29.71*** | ***29.71*** | ***492.00*** | ***492.00*** | ***3287257.09*** | ***3287257.09*** | कुल योग | |

*Source: National Remote Sensing Centre, Government of India.*

*स्रोत : राष्ट्रीय सुदूर संवेदन केन्द्र, भारत सरकार*

**Statement 1.25: State-wise area of wastelands**

**विवरण 1.25 : बंजर भूमि का राज्यवार क्षेत्रफल**

(Area in Sq. Kms./क्षेत्रफल वर्ग किलोमीटर में)

| State | No of Districts जिलों की संख्या | Total Geographic Area (TGA) कुल भौगोलिक क्षेत्रफल | Total Waste Land (WL) कुल ऊसर भूमि | | Change परिवर्तन | Total Reduction कुल कटौती | Total Increase कुल वृद्धि | % of WL to TGA का प्रतिशत | | % Change over 2005-06 अंतरण का प्रतिशत | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005-06 | 2008-09 | | | | 2005-06 | 2008-09 | | |
| Andhra Pradesh | 23 | 275068 | 38788.22 | 37296.62 | -1491.60 | 1682.10 | 190.46 | 14.10 | 13.56 | -0.54 | आंध्र प्रदेश |
| Arunachal Pradesh | 16 | 83743 | 5743.83 | 14895.24 | 9151.41 | 108.48 | 9259.89 | 6.86 | 17.79 | 10.93 | अरुणाचल प्रदेश |
| Assam | 23 | 78438 | 8778.02 | 8453.86 | -324.16 | 862.56 | 538.04 | 11.19 | 10.78 | -0.41 | असम |
| Bihar | 37 | 94171 | 6841.09 | 9601.01 | 2759.92 | 1895.09 | 4654.41 | 7.26 | 10.20 | 2.93 | बिहार |
| Chhattisgarh | 16 | 135194 | 11817.82 | 11482.18 | -335.64 | 379.06 | 43.15 | 8.74 | 8.49 | -0.25 | छत्तीसगढ़ |
| Delhi | 1 | 1483 | 83.34 | 90.21 | 6.87 | 3.62 | 10.27 | 5.62 | 6.08 | 0.46 | दिल्ली |
| Goa | 2 | 3702 | 496.27 | 489.08 | -7.19 | 11.48 | 3.99 | 13.41 | 13.21 | -0.19 | गोवा |
| Gujarat | 25 | 196024 | 21350.38 | 20108.06 | -1242.32 | 2858.99 | 1616.67 | 10.89 | 10.26 | -0.63 | गुजरात |
| Haryana | 21 | 44212 | 2347.05 | 2145.98 | -201.07 | 232.20 | 31.92 | 5.31 | 4.85 | -0.45 | हरियाणा |
| Himachal Pradesh | 12 | 55673 | 22470.05 | 22347.88 | -122.17 | 197.25 | 75.57 | 40.36 | 40.14 | -0.22 | हिमाचल प्रदेश |
| Jammu & Kashmir | 14 | 101387 | 73754.38 | 75435.77 | 1681.39 | 1191.48 | 2872.78 | 72.75 | 74.40 | 1.66 | जम्मू एवं कश्मीर |
| Jharkhand | 24 | 79706 | 11670.14 | 11017.38 | -652.76 | 1183.50 | 531.16 | 14.64 | 13.82 | -0.82 | झारखंड |
| Karnataka | 27 | 191791 | 14438.12 | 13030.62 | -1407.50 | 1477.98 | 70.82 | 7.53 | 6.79 | -0.73 | कर्नाटक |
| Kerala | 14 | 38863 | 2458.69 | 2445.62 | -13.07 | 247.55 | 234.44 | 6.33 | 6.29 | -0.03 | केरल |
| Madhya Pradesh | 48 | 308252 | 40042.98 | 40113.27 | 70.29 | 258.95 | 329.25 | 12.99 | 13.01 | 0.02 | मध्य प्रदेश |
| Maharashtra | 35 | 307690 | 38262.81 | 37830.82 | -431.99 | 469.93 | 38.22 | 12.44 | 12.30 | -0.14 | महाराष्ट्र |
| Manipur | 9 | 22327 | 7027.47 | 5648.53 | -1378.94 | 2391.10 | 1012.14 | 31.48 | 25.30 | -6.18 | मणिपुर |
| Meghalaya | 7 | 22429 | 3865.76 | 4127.43 | 261.67 | 93.86 | 355.13 | 17.24 | 18.40 | 1.17 | मेघालय |
| Mizoram | 8 | 21081 | 6021.14 | 4958.64 | -1062.50 | 2669.27 | 1606.71 | 28.56 | 23.52 | -5.04 | मिजोरम |
| Nagaland | 7 | 16579 | 4815.18 | 5266.72 | 451.54 | 721.75 | 1172.60 | 29.04 | 31.77 | 2.72 | नागालैंड |
| Odisha | 30 | 155707 | 16648.27 | 16425.76 | -222.51 | 271.75 | 48.69 | 10.69 | 10.55 | -0.14 | ओडिशा |
| Punjab | 20 | 50362 | 1019.50 | 936.83 | -82.67 | 112.70 | 30.56 | 2.02 | 1.86 | -0.16 | पंजाब |
| Rajasthan | 32 | 342239 | 93689.47 | 84929.10 | -8760.37 | 10264.60 | 1503.37 | 27.38 | 24.82 | -2.56 | राजस्थान |
| Sikkim | 4 | 7096 | 3280.88 | 3273.15 | -7.73 | 11.83 | 4.29 | 46.24 | 46.13 | -0.11 | सिक्किम |
| Tamil Nadu | 30 | 130058 | 9125.56 | 8721.79 | -403.77 | 426.78 | 22.74 | 7.02 | 6.71 | -0.31 | तमिलनाडु |
| Tripura | 4 | 10486 | 1315.17 | 964.64 | -350.53 | 486.15 | 135.07 | 12.54 | 9.20 | -3.34 | त्रिपुरा |
| Union Territory | 8 | 9490 | 337.30 | 315.00 | -22.30 | 27.33 | 4.68 | 3.55 | 3.32 | -0.23 | संघ राज्य क्षेत्र |
| Uttar Pradesh | 70 | 240928 | 10988.59 | 9881.24 | -1107.35 | 1269.71 | 163.08 | 4.56 | 4.10 | -0.46 | उत्तर प्रदेश |
| Uttarakhand | 13 | 53483 | 12790.06 | 12859.53 | 69.47 | 440.35 | 509.86 | 23.91 | 24.04 | 0.13 | उत्तराखंड |
| West Bengal | 19 | 88752 | 1994.41 | 1929.20 | -65.21 | 92.98 | 28.46 | 2.25 | 2.17 | -0.07 | पश्चिम बंगाल |
| **Total** | **599** | **3166414** | **472261.95** | **467021.16** | **-5240.79** | **32340.38** | **27098.42** | **14.91** | **14.75** | **-0.17** | **कुल** |

Source: Wastelands Atlas of India 2011, Department of Land Resources, Ministry of Rural Development

स्रोत : भारत के बंजरभूमि एटलस 2011, भूमि संसाधन विभाग, ग्रामीण विकास मंत्रालय

**Statement 1.26 : India's major biogeographic zones**

**विवरण 1.26 : भारत के प्रमुख जैव भौगोलिक अंचल**

| No. | Name | Biotic Province | State Covered | Total Area (sq.km) कुल क्षेत्रफल (वर्ग कि.मी.) | % प्रतिशत | नाम | जीवीय प्रदेश | शामिल राज्य |
|---|---|---|---|---|---|---|---|---|
| 1 | **Trans Himalaya** | Ladakh | Jammu and Kashmir, Himachal Pradesh, Sikkim, Uttarakhand | 98618 | 3.3 | **हिमालय पार** | लद्दाख | जम्मू और कश्मीर, हिमाचल प्रदेश, सिक्किम, उत्तराखंड |
| | | Tibetan Plateau | | 75607 | 2.3 | | तिब्बती पठार | |
| | | **Total** | | **174225** | | | **कुल** | |
| 2 | **Himalaya** | North-Western | Jammu and Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, Arunachal Pradesh, West Bengal | 69033 | 2.1 | **हिमालय** | उत्तर-पश्चिमी | जम्मू और कश्मीर, हिमाचल प्रदेश, उत्तराखंड, सिक्किम, अरुणाचल प्रदेश, पश्चिम बंगाल |
| | | Western | | 52596 | 1.6 | | पश्चिमी | |
| | | Central | | 6575 | 0.2 | | मध्य | |
| | | Eastern | | 82182 | 2.5 | | पूर्वी | |
| | | **Total** | | **210386** | | | **कुल** | |
| 3 | **Desert** | Kachchh | Rajasthan, Punjab, Haryana, Gujarat | 36160 | 1.1 | **रेगिस्तान** | कच्छ | **राजस्थान, पंजाब, हरियाणा, गुजरात** |
| | | Thar | | 177512 | 5.4 | | थार | |
| | | **Total** | | **213672** | | | | |
| 4 | **Semi-Arid** | Central India | Punjab, Jammu and Kashmir, Rajasthan, Gujarat, Madhya Pradesh, Uttar Pradesh, Haryana | 121629 | 3.7 | **अर्द्ध-शुष्क** | मध्य भारत | पंजाब, जम्मू और कश्मीर, राजस्थान, गुजरात, मध्य प्रदेश, उत्तर प्रदेश, हरियाणा |
| | | Gujarat-Rajputana | | 424057 | 12.9 | | **गुजरात-राजपूताना** | |
| | | **Total** | | **545686** | | | | |
| 5 | **Western Ghats** | Malabar coast | Gujarat, Maharashtra, Goa, Karnataka, Tamil Nadu, Kerala | 65745 | 2.0 | **पश्चिमी घाट** | मालाबार तट | **गुजरात, महाराष्ट्र, गोवा, कर्नाटक, तमिलनाडु, केरल** |
| | | Western Ghat Mountains | | 65745 | 2.0 | | **पश्चिमी घाट पर्वत** | |
| | | **Total** | | **131490** | | | | |
| 6 | **Deccan Peninsula** | Deccan South Plateau | Karnataka, Andhra Pradesh, Tamil Nadu, Kerala, Odisha, Madhya Pradesh, Maharashtra | 341875 | 10.4 | **दक्कन का पठार** | दक्षिणी दक्कन पठार | कर्नाटक, आंध्र प्रदेश, तमिलनाडु, केरल, ओडिशा, मध्य प्रदेश, महाराष्ट्र |
| | | Deccan Central Plateau | | 410908 | 12.5 | | मध्य दक्कन पठार | |
| | | Eastern Plateau | | 207098 | 6.3 | | पूवी पठार | |
| | | Chhota Nagpur | | 177512 | 5.4 | | छोटा नागपुर | |
| | | Central Highlands | | 239970 | 7.3 | | मध्य पहाड़ी मैदान | |
| | | **Total** | | **1377363** | | | | |
| 7 | **Gangetic Plain** | Upper Gangetic | Uttar Pradesh, Bihar, West Bengal | 207098 | 6.3 | **गंगा का मैदान** | ऊपरी गंगा का मैदान | उत्तर प्रदेश, बिहार, पश्चिम बंगाल |
| | | Lower Gangetic | | 147927 | 4.5 | | निचला गंगा का मैदान | |
| | | **Total** | | **355025** | | | | |
| 8 | **Coasts** | East Coast | | 62458 | 1.9 | **तट** | पूर्वी तट | |
| | | West Coast | | 19724 | 0.6 | | पश्चिमी तट | |
| | | **Total** | | **82182** | | | | |
| 9 | **North East** | Brahmaputra Valley | Assam, Meghalaya, Manipur, Mizoram, Nagaland & Tripura | 65745 | 2.0 | **उत्तर पूर्व** | ब्रह्मपुत्रा घाटी | असम, मेघालय, मणिपुर, मिजोरम, नागालैंड और त्रिपुरा |
| | | North-Eastern Hills | | 105192 | 3.2 | | पूर्वोत्तर पहाड़ियां | |
| | | **Total** | | **170937** | | | | |
| 10 | **Island** | Andaman Islands | Andaman and Nicobar Islands, Lakshadweep | 6575 | 0.2 | **द्वीप समूह** | अंडमान द्वीप समूह | अंडमान एवं निकोबार द्वीप समूह, लक्ष्यद्वीप |
| | | Nicobar Islands | | 3287 | 0.1 | | निकोबार द्वीप समूह | |
| | | Lakshadweep Islands | | 3110 | 0.1 | | लक्ष्यद्वीप द्वीप समूह | |
| | | **Total** | | **12972** | | | | |
| | **Marine Influenced Area** | | | 10440 | 0.3 | **समुद्र प्रभावित क्षेत्र** | | |
| **Grand Total** | | | | **3287263** | | | | |

*Source: Wildlife Institute of India (Rodgers et al. 2002)/Zoological Survey of India*

*स्रोत : भारतीय वन्य जीव संस्थान (रोजर्स तथा अन्य, 2002) / भारतीय प्राणि सर्वेक्षण*

Rodgers, W.A., Panwar, H.S. and Mathur, V. B. (2002). Wildlife Protected Area Network in India: A Review (Executive summary), Wildlife Institute of India, Dehradun

## Statement 1.27 : Conservation Measures in India
## विवरण 1.27 : भारत में संरक्षण के उपाय

| Sl.No. क्र. सं. | Category | Number संख्या | Total Geographic Area ($km^2$) भौगोलिक क्षेत्रफल (वर्ग कि.मी.) | श्रेणी |
|---|---|---|---|---|
| **I** | **Within Habitats (in situ)** | | | **अधिवासों के अंदर (मूल स्थान पर)** |
| 1 | Biosphere Reserves ++ | 18 | 91272.22 | जैवमंडल रिजर्व़ ++ |
| 2 | Conservation Reserves ++ | 73 | 2547.16 | संरक्षण रिजर्व़ ++ |
| 3 | community Reserves ++ | 45 | 59.66 | सामुदायिक रिजर्व़ ++ |
| 4 | National Parks ++ | 103 | 40500.13 | राष्ट्रीय उद्यान ++ |
| 5 | Wildlife Sanctuaries ++ | 543 | 118918 | वन्यजीव अभयारण्य ++ |
| 6 | Reserve Forest+ | na | 434705 | वन रिजर्व + |
| 7 | Protected Forest + | na | 219432 | संरक्षित वन + |
| 8 | Unclassed Forest + | na | 113881 | अवर्गित वन + |
| **II** | **Outside Habitats (ex situ)** | | | **अधिवास के बाहर (मूल स्थान के बाहर)** |
| 1 | Botanical gardens ** | 131 | na | वनस्पति उद्यान ** |
| 2 | Gene banks | na | na | जीन बैंक |

Source:

++ National Wildlife Database of Wildlife Institute of India;

+ 'India State Forest Report' - 2017, Forest Survey of India

** BGCI Website

स्रोत : ++ भारतीय वन्य जीव संस्थान का राष्ट्रीय वन्य जीव डाटाबेस;

+ 'भारत वन स्थिति रिपोर्ट'- 2017, भारतीय वन सर्वेक्षण

na :not available

**Statement 1.28 : National Parks and Wildlife Sanctuaries of India**

**विवरण 1.28 : भारत के राष्ट्रीय पार्क और वन्य जीव अभयारण्य**

| Year वर्ष | National Parks राष्ट्रीय उद्यान | | Wildlife Sanctuaries वन्यजीव अभयारण्य | | Total Area (Sq.Km) कुल क्षेत्रफल (वर्ग कि.मी) |
|---|---|---|---|---|---|
| | Number संख्या | Area क्षेत्रफल | Number संख्या | Area क्षेत्रफल | |
| 1995 | 80 | 34684.53 | 441 | 114164.58 | 148849.11 |
| 1999 | 87 | 34021.15 | 485 | 113163.03 | 147184.18 |
| 2004 | 90 | 36881.53 | 502 | 120051.88 | 156933.41 |
| 2006 | 96 | 38392.12 | 503 | 111229.48 | 149621.60 |
| 2007 | 98 | 38428.88 | 507 | 111529.04 | 149957.92 |
| 2008 | 99 | 39441.74 | 510 | 113123.35 | 152565.09 |
| 2009 | 99 | 39441.74 | 512 | 113395.36 | 152837.10 |
| 2010 | 102 | 40283.62 | 516 | 113842.87 | 154126.49 |
| 2011 | 102 | 40283.62 | 518 | 113998.75 | 154282.37 |
| 2012 | 103 | 40500.13 | 526 | 114933.44 | 155433.57 |
| 2013 | 102 | 40500.13 | 532 | 117123.63 | 157623.76 |
| 2014 | 103 | 40500.13 | 535 | 118290.66 | 158790.79 |
| 2015 | 103 | 40500.13 | 541 | 118866.44 | 159366.57 |
| 2016 | 103 | 40500.13 | 543 | 118917.71 | 159417.84 |
| 2017 | 103 | 40500.13 | 544 | 118931.80 | 159431.93 |
| 2018 | 104 | 40501.13 | 544 | 118931.80 | 159432.93 |
| 2019* | 104 | 40501.13 | 550 | 119775.55 | 160276.68 |

*Source: ENVIS Centre on Wildlife and Protected Area, M/o Environment, Forests & Climate Change*

*स्रोत : वन्य जीव एवं संरक्षित वन पर एनविस केंद्र, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय*

* : As on January 2019

## Statement 1.29 : State-wise Terrestrial Protected Areas

## विवरण 1.29 : राज्यवार लौकिक संरक्षित क्षेत्र

| Sr. No क्र. सं. | State | State Area km² राज्य क्षेत्रफल वर्ग कि.मी. | National Parks* राष्ट्रीय उद्यान | | | Wildlife Sanctuaries# वन्यजीव अभयारण्य | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|
| | | | Number संख्या | Area km² क्षेत्रफल वर्ग कि.मी | % of State Area राज्य क्षेत्रफल का प्रतिशत | Number संख्या | Area km² क्षेत्रफल वर्ग कि.मी | % of State Area राज्य क्षेत्रफल का प्रतिशत | |
| 1 | Andhra Pradesh | 1,60,205 | 3 | 356.02 | 0.22 | 13 | 5,942.23 | 3.71 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 83,743 | 2 | 2,290.82 | 2.74 | 11 | 7,487.75 | 8.94 | अरुणाचल प्रदेश |
| 3 | Assam | 78,438 | 5 | 1,977.79 | 2.52 | 18 | 1,840.14 | 2.35 | असम |
| 4 | Bihar | 94,163 | 1 | 335.65 | 0.36 | 12 | 2,901.67 | 3.08 | बिहार |
| 5 | Chhattisgarh | 1,35,191 | 3 | 2,899.08 | 2.14 | 11 | 3,760.29 | 2.78 | छत्तीसगढ़ |
| 6 | Delhi | 1,483 | 0 | 0 | 0 | 1 | 27.82 | 1.88 | दिल्ली |
| 7 | Goa | 3,702 | 1 | 107 | 2.89 | 6 | 6,47.91 | 17.5 | गोवा |
| 8 | Gujarat | 1,96,022 | 4 | 480.12 | 0.24 | 23 | 16,618.42 | 8.48 | गुजरात |
| 9 | Haryana | 44,212 | 2 | 48.25 | 0.11 | 8 | 2,33.21 | 0.53 | हरियाणा |
| 10 | Himachal Pradesh | 55,673 | 5 | 2,271.38 | 4.08 | 28 | 6,116.10 | 10.99 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 2,22,236 | 4 | 3,925.00 | 1.77 | 15 | 10,243.11 | 4.61 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 79,714 | 1 | 226.33 | 0.28 | 11 | 1,955.82 | 2.45 | झारखंड |
| 13 | Karnataka | 1,91,791 | 5 | 2,795.76 | 1.46 | 30 | 6,774.81 | 3.53 | कर्नाटक |
| 14 | Kerala | 38,863 | 6 | 558.16 | 1.44 | 17 | 1,928.24 | 4.96 | केरल |
| 15 | Madhya Pradesh | 3,08,245 | 10 | 3,657.26 | 1.19 | 25 | 7,158.42 | 2.32 | मध्य प्रदेश |
| 16 | Maharashtra | 3,07,713 | 6 | 1,273.60 | 0.41 | 42 | 7,604.44 | 2.47 | महाराष्ट्र |
| 17 | Manipur | 22,327 | 1 | 40 | 0.18 | 2 | 184.81 | 0.83 | मणिपुर |
| 18 | Meghalaya | 22,429 | 2 | 267.48 | 1.19 | 4 | 94.1 | 0.42 | मेघालय |
| 19 | Mizoram | 21,081 | 2 | 150 | 0.71 | 8 | 1,090.75 | 5.17 | मिजोरम |
| 20 | Nagaland | 16,579 | 1 | 202.02 | 1.22 | 3 | 20.34 | 0.12 | नागालैंड |
| 21 | Odisha | 1,55,707 | 2 | 990.7 | 0.64 | 19 | 7,094.65 | 4.56 | ओडिशा |
| 22 | Punjab | 50,362 | 0 | 0 | 0 | 13 | 3,26.60 | 0.65 | पंजाब |
| 23 | Rajasthan | 3,42,239 | 5 | 3,947.07 | 1.15 | 25 | 5,592.38 | 1.63 | राजस्थान |
| 24 | Sikkim | 7,096 | 1 | 1,784.00 | 25.14 | 7 | 3,99.10 | 5.62 | सिक्किम |
| 25 | Tamil Nadu | 1,30,058 | 5 | 307.85 | 0.24 | 29 | 6,157.12 | 4.73 | तमिलनाडु |
| 26 | Telangana | 1,14,840 | 3 | 1,032.47 | 0.9 | 9 | 5,675.91 | 4.94 | तेलंगाना |
| 27 | Tripura | 10,486 | 2 | 36.71 | 0.35 | 4 | 5,66.93 | 5.41 | त्रिपुरा |
| 28 | Uttar Pradesh | 2,40,928 | 1 | 490 | 0.2 | 25 | 5,828.36 | 2.42 | उत्तर प्रदेश |
| 29 | Uttarakhand | 53,483 | 6 | 4,915.02 | 9.19 | 7 | 2,690.12 | 5.03 | उत्तराखंड |
| 30 | West Bengal | 88,752 | 6 | 1,981.65 | 2.23 | 15 | 1,442.12 | 1.62 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | 8,249 | 9 | 1,153.94 | 13.99 | 96 | 389.39 | 4.72 | अंडमान एवं निकोबार दीप समूह |
| 32 | Chandigarh | 114 | 0 | 0 | 0 | 2 | 26.01 | 22.82 | चंडीगढ़ |
| 33 | Dadra And Nagar Haveli | 491 | 0 | 0 | 0 | 1 | 92.16 | 18.77 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 112 | 0 | 0 | 0 | 1 | 2.19 | 1.96 | दमन एवं दीव |
| 35 | Lakshadweep | 32 | 0 | 0 | 0 | 1 | 0.01 | 0.03 | लक्षद्वीप |
| 36 | Puducherry | 480 | 0 | 0 | 0 | 1 | 3.9 | 0.81 | पुद्दुचेरी |
| | **Total** | **32,87,263** | **104** | **40,501.00** | **1.23** | **543** | **1,18,918** | **3.62** | **कुल** |

*Source:Annual Report, Ministry of Environment, Forests & Climate Change*

*स्रोत: वार्षिक रिपोर्ट, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय*

* : As on September 2018 # :As on July 2017

## Statement 1.30: Biosphere reserves in India
## विवरण 1.30 : भारत में जीव मण्डल रिज़र्व

| Sl. No. क्र. सं. | Name of Biosphere Reserve | Area (in sq.km.) क्षेत्रफल (वर्ग कि.मी.) | Date of Notification अधिसूचना की तिथि | Location (State) and Bio-Geographic Zones | जैवमंडल रिजर्व़ का नाम | स्थान (राज्य) और जैव भौगोलिक क्षेत्र |
|---|---|---|---|---|---|---|
| 1 | Nilgiri | 5520.00 | 01.08.1986/ 10.11.2000 | Part of Wynad, Nagarhole, Bandipur and Mudumalai, Nilambur, Silent Valley and Siruvani hills (Tamil Nadu, Kerala and Karnataka)-Western Ghats | नीलगिरी | वायनाड, नागरहोल, बांदीपुर एवं मुडामलाई, नीलांबर, साइलेंट वैली एवं सिरुवनी पहाड़ी का भाग (तमिलनाडु, केरल एवं कर्नाटक)- |
| 2 | Nanda Devi | 5860.69 | 18.01.1988/ 29.10.2004 | Part of Chamoli, Pithoragarh & Almora Districts and valley of flowers (Uttarakhand)-West Himalayas | नंदा देवी | चमोली, पिथौरागढ़ एवं अल्मोड़ा जिलों तथा फूलों की घाटी का भाग (उत्तराखंड) – पश्चिमी हिमालय |
| 3 | Nokrek | 820.00 | 01.09.1988/ 26.05.2009 | Part of Garo Hills (Meghalaya)-East Himalayas | नोकरेक | गारो पहाड़ी का भाग (मेघालय) – पूर्वी हिमालय |
| 4 | Manas | 2837.00 | 14.03.1989 | Part of Kokrajhar, Bongaigaon, Barpeta, Nalbari, Kamrup and Darang districts (Assam)-East Himalayas | मनस | कोकराझार, बोंगाईगांव, बरपेटा, नलबारी, कामरुप एवं दारंग जिलों का भाग (असम) - पूर्वी हिमालय |
| 5 | Sunderbans | 9630.00 | 29.03.1989/ 10.11.2001 | Part of Delta of Ganges & Brahamaputra river system (West Bengal)-Gangetic Delta | सुंदरवन | गंगा नदी के डेल्टा एवं ब्रह्मपुत्र नदी का भाग (पश्चिम बंगाल) गंगा का डेल्टा |
| 6 | Gulf of Mannar | 10500.00 | 18.02.1989/ 10.11.2001 | Indian part of Gulf of Mannar between India and Sri Lanka (Tamil Nadu)-Coasts | मन्नार की खाड़ी | भारत और श्रीलंका के मध्य मन्नार की खाड़ी का भाग (तमिलनाडु) – तट |
| 7 | Great Nicobar | 885.00 | 06.01.1989/ 30.05.2003 | Southern Most Islands of Andaman and Nicobar (A&N Islands)-Islands | वृहत् निकोबार | अंडमान एवं निकोबार के सबसे दक्षिणी द्वीप (अंडमान एवं निकोबार द्वीपसमूह) – द्वीप |
| 8 | Similipal | 4374.00 | 21.06.1994/ 26.05.2009 | Part of Mayurbhanj district (Orissa)-Deccan Peninsula | सिमलीपाल | मयूरभंज जिले का भाग (उड़ीसा) – दक्षिणी प्रायद्वीप |
| 9 | Dibru-Saikhowa | 765.00 | 28.07.1997 | Part of Dibrugarh and Tinsukhia districts (Assam)-East Himalayas | डिब्रू-सैखोवा | डिब्रूगढ़ एवं तिनसुकिया जिलों का भाग (असम) – पूर्वी हिमालय |
| 10 | Dehang Debang | 5111.50 | 02.09.1998 | Part of Siang and Debang Valley in Arunachal Pradesh-East Himalayas | देहांग डिबांग | अरुणाचल प्रदेश में सियांग एवं दिबांग घाटी का भाग - पूर्वी हिमालय |
| 11 | Pachmarhi | 4926.00 | 03.03.1999/ 26.05.2009 | Part of Betul, Hoshangabad and Chindwara Districts of Madhya Pradesh-Semi-Arid-Gujarat Rajputana | पचमढ़ी | मध्य प्रदेश देशके बेतुल, होशंगाबाद एवं छिंदवाड़ा जिलों का भाग – अर्ध शुष्क गुजरात राजपूताना |
| 12 | Khangchendzonga | 2619.92 | 07.02.2000/ 25.07.2018 | Parts of North and West Sikkim | कंचनजंगा | उत्तर एवं पश्चिम सिक्किम का भाग |

## Statement 1.30: Biosphere reserves in India
## विवरण 1.30 : भारत में जीव मण्डल रिज़र्व

| Sl. No. क्र. सं. | Name of Biosphere Reserve | Area (in sq.km.) क्षेत्रफल (वर्ग कि.मी.) | Date of Notification अधिसूचना की तिथि | Location (State) and Bio-Geographic Zones | जैवमंडल रिजर्व़ का नाम | स्थान (राज्य) और जैव भौगोलिक क्षेत्र |
|---|---|---|---|---|---|---|
| 13 | Agasthyamalai | 1828.00 | 12.11.2001/ 19.03.2016 | Part of Thirunelvedi and Kanya Kumari Districts in Tamil Nadu and Thiruvananthapuram, Kollam and Pathanmthita of Kerala (Tamil Nadu & Kerala) | आगस्थामलाई | तमिलनाडु में तिरुनवेली एवं कन्याकुमारी जिलों का भाग तथा केरल के तिरुवनंतपुरम, कोल्लम एवं पटनमथिट्टा जिले (तमिलनाडु एवं केरल) |
| 14 | Achankmar-Amarkantak | 3835.51 | 30.3.2005/ 11.07.2012 | Part of Anuppur and Dindori Distt.,of MP, part of Bilaspur distts., of Chhattisgarh State (Madhya Pradesh & Chattisgarh) | अचंकमार - अमरकंटक | मध्य प्रदेश के अनूपपुर एवं डिंडोरी जिलों का भाग तथा छत्तीसगढ़ राज्य के बिलासपुर जिले का भाग (मध्य प्रदेश एवं छत्तीसगढ़) |
| 15 | Kachchh | 12454.00 | 29.01.2008 | Parts of Kachchh, Rajkot, Surendranagar and Patan Civil Districts of Gujarat State | कच्छ | गुजरात राज्य के कच्छ, राजकोट, सुरेंद्रनगर एवं पाटन जिलों के भाग |
| 16 | Cold Desert | 7770.00 | 28.08.2009 | Pin Valley National Park and surroundings; Chandratal and Sarchu & Kibber Wildlife Sanctuary in Himachal Pradesh. | ठंडा मरुस्थल | पिन घाटी राष्ट्रीय पार्क एवं आसपास के क्षेत्र; हिमाचल प्रदेश में चंद्रतल और सर्चू एवं किब्बर वन्य जीव अभयारण्य |
| 17 | Seshachalam | 4756.00 | 20.09.2010 | Seshachalam hill range in Eastern Ghats encompsssing part of Chitoor and Kadapa district in Andhra Pradesh | सेशाचलम | पूर्वीघाट में सेशाचलम पर्वतमाला जिसमें आंध्र प्रदेश के चित्तूर एवं कडप्पा जिले शामिल हैं |
| 18 | Panna | 2998.98 | 25.08.2011 | Part of Panna and Chhattarpur district in Madhya Pradesh | पन्ना | मध्य प्रदेश में पन्ना एवं छतरपुर जिलों का भाग |

*Source: Ministry of Environment, Forests & Climate Change*
स्रोत: पर्यावरण, वन एंव जलवायु परिवर्तन मंत्रालय

**Statement 1.31 : State-wise Location of Major Zoos**

**विवरण 1.31 : प्रमुख चिड़ियाघरों की राज्यवार अवस्थिति**

| Sl. No. क्र. सं. | State | Name of Zoo | Location | राज्य | चिड़ियाघर का नाम | लोकेशन |
|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | Indira Gandhi Zoological Park | Visakhapatnam | आंध्र प्रदेश | इंदिरा गांधी प्राणी उद्यान | विशाखापट्टम |
| 2 | | Sri Venkateswara Zoological Park | Tirupati | | श्री वेंकटेश्वर प्राणी उद्यान | तिरुपति |
| 3 | Arunachal Pradesh | Biological Park Itanagar | Itanagar | अरुणाचल प्रदेश | जैविक उद्यान इटानगर | ईटानगर |
| 4 | Assam | Assam State Zoo Cum Botanical Garden | Guwahati | असम | असम राज्य चिड़ियाघर सह वनस्पति उद्यान | गुवाहाटी |
| 5 | Bihar | Sanjay Gandhi Biological Park | Patna | बिहार | संजय गांधी जैविक उद्यान | पटना |
| 6 | Chhattisgarh | Kanan Pandari Zoo | Bilaspur | छत्तीसगढ़ | कानन पेंडारी चिड़ियाघर | बिलासपुर |
| 7 | | Maitri Baagh Zoo | Bhilai | | मैत्री बाघ चिड़ियाघर | भिलाई |
| 8 | | Nandanvan Jungle Safari (Naya Raipur) | New Raipur | | नंदनवन जंगल सफारी (नया रायपुर) | नया रायपुर |
| 9 | Delhi | National Zoological Park | Delhi | दिल्ली | राष्ट्रीय प्राणी उद्यान | दिल्ली |
| 10 | Goa | Bondla Zoo | Usgao | गोवा | बोंडला चिड़ियाघर | उस्गाव |
| 11 | Gujarat | Dr. Shyamaprasad Mukharjee Zoological Garden | Surat | गुजरात | डा. श्यामाप्रसाद मुखर्जी प्राणी उद्यान | सूरत |
| 12 | | Indoda Nature Park | Gandhi Nagar | | इंडोडा प्रकृति उद्यान | गांधी नगर |
| 13 | | Kamla Nehru Zoological Garden | Ahemdabad | | कमला नेहरू प्राणी उद्यान | अहमदाबाद |
| 14 | | Rajkot Municipal Zoo | Rajkot | | राजकोट नगरपालिका चिड़ियाघर | राजकोट |
| 15 | | Sakkarbaug Zoo | Junagarh | | सक्करबाग चिड़ियाघर | जूनागढ़ |
| 16 | | Sayaji Baug Zoo | Vadodara | | सायाजी बाग चिड़ियाघर | वडोदरा |
| 17 | Haryana | Rohtak Zoo | Rohtak | हरियाणा | रोहतक चिड़ियाघर | रोहतक |
| 18 | Himachal Pradesh | Dhauladhar Nature Park | Gopalpur | हिमाचल प्रदेश | धौलाधर प्रकृति पार्क | गोपालपुर |
| 19 | | Himalayan Nature Park (Kufri) | Kufri | | हिमालयी प्रकृति पार्क (कुफरी) | कुफरी |
| 20 | Jharkhand | Bhagwan Birsa Biological Park | Ranchi | झारखंड | भगवान बिरसा जैविक पार्क | रांची |
| 21 | | Jawaharlal Nehru Biological Park | Bokaro | | जवाहरलाल नेहरू प्राणी उद्यान | बोकारो |
| 22 | | Tata Steel Zoological Park | Jamshedpur | | टाटा स्टील प्राणी उद्यान | जमशेदपुर |
| 23 | Karnataka | Bannerghatta Biologocal Park | Bengaluru | कर्नाटक | बन्नेरघट्टा प्राणी उद्यान | बैंगलुरु |
| 24 | | Bellary Childrens Park-Cum-Zoo (Bellary Zoo) | Bellary | | बेल्लारी चिल्ड्रन पार्क-कम-जू (बेल्लारी चिड़ियाघर) | बेल्लारी |
| 25 | | Children Park & Zoo (Gadag Zoo) | Gadag | | चिल्ड्रन पार्क एंड जू (गडग चिड़ियाघर) | गडग |
| 26 | | Dr. K.Shivarma Karanth Pilikula Biological Park | Mangalore | | डा. के शिवर्मा कारंत पिलिकुला जैव पार्क | मंगलौर |
| 27 | | Sri Chamarajendra Zoological Gardens | Mysore | | श्री चामराजेन्द्र प्राणी उद्यान | मैसूर |
| 28 | | Tiger & Lion Safari, Thyyarekoppa | Shimoga | | टाइगर एंड लॉयन सफारी, थिरेकोप्पा | शिमोगा |
| 29 | Kerala | Parassinikkadavu Snake Park and Zoo | Kannur | केरल | पारासीनिकावेडु सांप पार्क और चिड़ियाघर | कन्नूर |
| 30 | | State Museum & Zoo | Thrissur | | राज्य संग्रहालय एवं चिड़ियाघर | त्रिशूर |
| 31 | | Thiruvananthapuram Zoo | Thiruvananthapuram | | तिरुवनंतपुरम चिड़ियाघर | तिरूवनंतपुरम |
| 32 | Madhya Pradesh | Gandhi Zoological Park | Gwalior | मध्य प्रदेश | गांधी प्राणी उद्यान | ग्वालियर |
| 33 | | Kamla Nehru Prani Sanghrahalay Zoo | Indore | | कमला नेहरू प्राणी संग्रहालय जू | इंदौर |
| 34 | | Van Vihar National Park | Bhopal | | वन विहार राष्ट्रीय पार्क | भोपाल |
| 35 | Maharashtra | Aurangabad Municipal Zoo | Aurangabad | महाराष्ट्र | औरंगाबाद नगरपालिका चिड़ियाघर | औरंगाबाद |
| 36 | | Maharajbag Zoo | Nagpur | | महाराजबाग चिड़ियाघर | नागपुर |
| 37 | | Mahatma Gandhi Rashtriya Udyan Zoo | Solapur | | महात्मा गांधी राष्ट्रीय उद्यान जू | सोलापुर |
| 38 | | Nisargakavl Bahlnabai Choudhary Pranisansangahralay | Chinchiwad,Pune | | निसारगाकवल बहलनाबाई चौधरी प्राणि संग्रहालय | चिंचवड, पुणे |
| 39 | | Rajiv Gandhi Zoological Park And Wildlife Research Centre | Pune | | राजीव गांधी प्राणि उद्यान एवं वन्य जीव अनुसंधान केंद्र | पुणे |
| 40 | | Sanjay Gandhi National Park and Zoo | Borivali | | संजय गांधी राष्ट्रीय उद्यान और चिड़ियाघर | बोरीवली |
| 41 | | Veermata Jijabai Bhosale Udyan & Zoo | Mumbai | | वीरमाता जीजाबाई भासले उद्यान एवं चिड़ियाघर | मुंबई |

**Statement 1.31 : State-wise Location of Major Zoos**

**विवरण 1.31 : प्रमुख चिड़ियाघरों की राज्यवार अवस्थिति**

| Sl. No. क्र. सं. | State | Name of Zoo | Location | राज्य | चिड़ियाघर का नाम | लोकेशन |
|---|---|---|---|---|---|---|
| 42 | Manipur | Manipur Zoological Garden | Iroisemba | मणिपुर | मणिपुर प्राणि उद्यान | आइरोसिम्बा |
| 43 | Meghalaya | Nehru Park Zoo, Danakgre, Tura | Akhongini Tura | मेघालय | नेहरू पार्क चिड़ियाघर, दानकग्रे, | अकिहोंगिनी तुरा |
| 44 | Mizoram | Aizawl Zoo (Mizoram Zoo) | Aizwal | मिजोरम | आइज़वाल चिड़ियाघर (मिजोरम चिड़ियाघर) | आइज़वाल |
| 45 | Nagaland | Nagaland Zoological Park, Rangapahar | Rangapahar | नागालैंड | नागालैंड जूलॉजिकल पार्क, रंगापहर | रंगापहर |
| 46 | Odisha | Indira Gandhi Park Zoo & Deer Park | Rourkela | ओडिशा | इंदिरा गंणी पार्क जू एवं हिरन पार्क | राउरकेला |
| 47 | | Kapilash Zoo | Dhenkanal | | कपिलश चिड़ियाघर | धेनकनाल |
| 48 | | Nandankanan Biological Park | Bhubaneswar | | नंदनकानन जैव पार्क | भुवनेश्वर |
| 49 | | Wild Animal Conservation Centre | Mothijharan Sambalp | | जंगली पशु संरक्षण केंद्र | मोतीझारन संबलपुर |
| 50 | Punjab | Deer Park, Bir Moti Bagh (patiala Zoo) | Patiala | पंजाब | हिरन पार्क, बीर मोती बाग (पटियाला चिड़ियाघर) | पटियाला |
| 51 | | Ludhiana Zoo | Ludhiana | | लुधियाना चिड़ियाघर | लुधियाना |
| 52 | | Mahendra Chaudhury Zoological Park | Chhatbir, Chandigarh | | महेंद्र चौधरी प्राणि पार्क | छतबीर |
| 53 | Rajasthan | Kota Zoo | Kota | राजस्थान | कोटा चिड़ियाघर | कोटा |
| 54 | | Machia Biological Park (Jodhpur Zoo) | Jodhpur | | माचिया बायोलॉजिकल पार्क (जोधपुर चिड़ियाघर) | जोधपुर |
| 55 | | Marudhara Biological Park (Bikaner Zoo) | Bikaner | | मारुधर जैविक पार्क (बीकानेर चिड़ियाघर) | बीकानेर |
| 56 | | Nahargarh Biological Park (Jaipur Zoo) | Jaipur | | नहरगढ़ जैविक पार्क (जयपुर चिड़ियाघर) | जयपुर |
| 57 | | Sajjangarh Biological Park ( Udaipur Zoo) | Udaipur | | सज्जनगढ़ जैविक पार्क (उदयपुर चिड़ियाघर) | (उदयपुर |
| 58 | Sikkim | HimalayanZoological Park Bulbuley | Gangtok | सिक्किम | हिमालयी प्राणी उद्यान बुलबुली | गैंगटोक |
| 59 | Tamil Nadu | Amirdhi Zoo | Vellore | तमिलनाडु | अमिर्धी चिड़ियाघर | वेल्लूर |
| 60 | | Arignar Anna Zoological Park | Vandalur Chennai | | अरीगनर अन्ना प्राणि पार्क | वंडालूर चेन्नई |
| 61 | | Chennai Snake Park Trust | Guindy, Chennai | | चेन्नई स्नेक पार्क ट्रस्ट | गुंडी |
| 62 | | Children's Park | Guindy, Chennai | | चिल्ड्रन कार्नर | गुंडी |
| 63 | | Kurumbapatti Zoological Park | Salem | | कुरुम्पाट्टी जूलॉजिकल पार्क | सालेम |
| 64 | | Madras Crocodile Bank Trust/Centre For Herpetology | Mahabalipuram | | मद्रास क्रोकोडाइल बैंक ट्रस्ट / उभयसृपविज्ञान केंद्र | महाबलीपुरम |
| 65 | | V.O.C. Park Mini Zoo | Coimbatore | | वीओसी पार्क मिनी जू | कोयम्बटूर |
| 66 | Telangana | Kakatiya Zoological Park (Vanavigyan Kendra) | Warangal | तेलंगाना | काकातिया जूलॉजिकल पार्क (वनविज्ञान केंद्र) | वारंगल |
| 67 | | Nehru Zoological Park | Hyderabad | | नेहरू जूलॉजिकल पार्क | हैदराबाद |
| 68 | Tripura | Sepahijala Zoological Park | Sepahijala, Agartala | त्रिपुरा | सिपाहीजाला प्राणी उद्यान | सिपाहीजाला |
| 69 | Uttar Pradesh | Kanpur Zoological Park | Kanpur | उत्तर प्रदेश | कानपुर प्राणी उद्यान | कानपुर |
| 70 | | Lucknow Prani Udyan | Lucknow | | लखनऊ प्राणि उद्यान | लखनऊ |
| 71 | Uttarakhand | Pt Govind Ballabh Pant High Altitude Zoo | Nainital | उत्तराखंड | पंडित गोविंद बल्लभ पंत हाई एल्टीच्यूड चिड़ियाघर | नैनीताल |
| 72 | West Bengal | Alipore Zoological Garden | Kolkata | पश्चिम बंगाल | अलिपुर प्राणि उद्यान | कोलकाता |
| 73 | | Bardhaman Zoological Garden | Burdwan | | कलकत्ता स्नेक पार्क | बर्दवान |
| 74 | | Jhargram Zoo | Jhargram | | झारग्राम चिड़ियाघर | झारग्राम |
| 75 | | Marble Palace Zoo | Kolkata | | मार्बल पैलेस चिड़ियाघर | कोलकाता |
| 76 | | Padmaja Naidu Himalayan Zoological Park | Darjeeling | | पद्मजा नायडू हिमालयी प्राणि उद्यान | दार्जिलिंग |
| 77 | Andaman & Nicobar Islands | Biological Park, Chidyatapu | Port Blair | अंडमान एवं निकोबार द्वीपसमूह | जैविक पार्क, चिड्याटापू | पोर्टब्लेयर |

Source : Central Zoo Authority, Ministry of Environment, Forest and Climate Change

स्रोत : केंद्रीय चिड़ियाघर, प्राधिकरण, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

**Statement 1.32: Marine Protected Areas**

**विवरण 1.32 : समुद्री संरक्षित क्षेत्र**

**(a) Marine Protected Areas in Peninsular India**

**(क) प्रायद्वीपीय भारत में समुद्री संरक्षित क्षेत्र**

| S. No. क्र. सं. | Name of MPA | State | Category | Area क्षेत्रफल | Year of establishment स्थापना का वर्ष | एमपीए का नाम | राज्य | श्रेणी |
|---|---|---|---|---|---|---|---|---|
| 1 | Coringa | Andhra Pradesh | Sanctuary | 235.7 | 1978 | कोरिंगा | आंध्र प्रदेश | अभयारण्य |
| 2 | Krishna | Andhra Pradesh | Sanctuary | 194.81 | 1989 | कृष्णा | आंध्र प्रदेश | अभयारण्य |
| 3 | Pulicat Lake | Andhra Pradesh | Sanctuary | 500 | 1980 | पलिकेट झील | आंध्र प्रदेश | अभयारण्य |
| 4 | Chorao Island | Goa | Sanctuary | 1.78 | 1988 | कोरो द्वीप | गोवा | अभयारण्य |
| 5 | Marine (Gulf of Kachchh) | Gujarat | National Park | 162.89 | 1995 | मरीन (कच्छ की खाड़ी) | गुजरात | राष्ट्रीय उद्यान |
| 6 | Khijadia | Gujarat | Sanctuary | 6.05 | 1981 | खिजाडिया | गुजरात | अभयारण्य |
| 7 | Marine (Gulf of Kachchh) | Gujarat | Sanctuary | 295.03 | 1980 | मरीन (कच्छ की खाड़ी) | गुजरात | अभयारण्य |
| 8 | Kadalundi Vallikkunnu Community Reserve | Kerala | Community Reserve | 1.5 | 2007 | कडालुंडी वल्लिकुन्नु सामुदायिक रिजर्व | केरल | सामुदायिक रिजर्व |
| 9 | Malvan Marine | Maharashtra | Sanctuary | 29.12 | 1987 | मालवां मरीन | महाराष्ट्र | अभयारण्य |
| 10 | Thane Creek Flamingo | Maharashtra | Sanctuary | 16.905 | 2015 | थाणे क्रीक फ्लेमिंगो | महाराष्ट्र | अभयारण्य |
| 11 | Bhitarkanika | Odisha | National Park | 145 | 1998 | भीतरकणिका | ओडिशा | राष्ट्रीय उद्यान |
| 12 | Bhitarkanika | Odisha | Sanctuary | 672 | 1975 | भीतरकणिका | ओडिशा | अभयारण्य |
| 13 | Chilka (Nalaban) | Odisha | Sanctuary | 15.53 | 1987 | चिलका (नालाबन) | ओडिशा | अभयारण्य |
| 14 | Gahirmatha | Odisha | Sanctuary | 1435 | 1997 | गहीरमाता | ओडिशा | अभयारण्य |
| 15 | Balukhand Konark | Odisha | Sanctuary | 71.72 | 1984 | बालूखंड काणार्क | ओडिशा | अभयारण्य |
| 16 | Gulf of Mannar Marine | Tamil Nadu | National Park | 6.23 | 1980 | मन्नार की खाड़ी मरीन | तमिलनाडु | राष्ट्रीय उद्यान |
| 17 | Point Calimere | Tamil Nadu | Sanctuary | 172.6 | 1967 | प्वॉइंट कैलिमेर | तमिलनाडु | अभयारण्य |
| 18 | Pulicat Lake | Tamil Nadu | Sanctuary | 153.67 | 1980 | पलिकेट झील | तमिलनाडु | अभयारण्य |
| 19 | Sundarbans | West Bengal | National Park | 1330.1 | 1984 | सुंदरबन | पश्चिम बंगाल | राष्ट्रीय उद्यान |
| 20 | West Sundarbans | West Bengal | Sanctuary | 556.45 | 2013 | पश्चिम सुंदरबन | पश्चिम बंगाल | अभयारण्य |
| 21 | Haliday Island | West Bengal | Sanctuary | 5.95 | 1976 | हालिडे द्वीप | पश्चिम बंगाल | अभयारण्य |
| 22 | Sajnakhali | West Bengal | Sanctuary | 2091.12 | 1976 | सजनाखाली | पश्चिम बंगाल | अभयारण्य |
| 23 | Lothian Island | West Bengal | Sanctuary | 38 | 1976 | लोथियन द्वीप | पश्चिम बंगाल | अभयारण्य |
| 24 | Dadra & Nagar Haveli | Dadra & Nagar Haveli | Sanctuary | 92.16 | 2000 | दादरा एवं नगर हवेली | दादरा एवं नगर हवेली | अभयारण्य |
| 25 | Fudam | Daman & Diu | Sanctuary | 2.18 | 1991 | फुडाम | दमन एवं दीव | अभयारण्य |

*Note: Excluding small island MPAs of Andaman and Nicobar Islands.*

Source / स्रोत : K Sivakumar, *Coastal and Marine Biodiversity Protected Areas in India: Challenges and Way Forward*,K. Venkataraman et al. (eds.),Ecology and Conservation of Tropical Marine Faunal Communities, Springer-Verlag Berlin Heidelberg 2013.

## Statement 1.32: Marine Protected Areas
## विवरण 1.32 : समुद्री संरक्षित क्षेत्र
### (b) Marine Protected Areas in Islands of India
### (ख) भारत के द्वीपों में समुद्री संरक्षित क्षेत्र

| Sl.No. क्र. सं. | PA Name | State | National Park/ Sanctuary राष्ट्रीय पार्क / अभयारण्य | Area क्षेत्रफल | Year of establishment स्थापना का वर्ष | पीए का नाम |
|---|---|---|---|---|---|---|
| 1 | Arial Island | Andaman & Nicobar | Sanctuary | 0.05 | 1977 | हवाई द्वीप |
| 2 | Bamboo Island | Andaman & Nicobar | Sanctuary | 0.05 | 1977 | बांस द्वीप |
| 3 | Barren Island | Andaman & Nicobar | Sanctuary | 11.99 | 1977 | बंजर द्वीप |
| 4 | Battimalv Island | Andaman & Nicobar | Sanctuary | 5.03 | 1977 | बट्टीमालव द्वीप |
| 5 | Belle Island | Andaman & Nicobar | Sanctuary | 0.08 | 1977 | बेल्ले द्वीप |
| 6 | Bennett Island | Andaman & Nicobar | Sanctuary | 3.46 | 1977 | बेनेट द्वीप |
| 7 | Bingham Island | Andaman & Nicobar | Sanctuary | 0.08 | 1977 | बिंघम द्वीप |
| 8 | Blister Island | Andaman & Nicobar | Sanctuary | 0.26 | 1977 | ब्लिस्टर द्वीप |
| 9 | Bluff Island | Andaman & Nicobar | Sanctuary | 1.14 | 1977 | ब्लफ द्वीप |
| 10 | Bondoville Island | Andaman & Nicobar | Sanctuary | 2.55 | 1977 | बोंडोविले द्वीप |
| 11 | Brush Island | Andaman & Nicobar | Sanctuary | 0.23 | 1977 | ब्रश द्वीप |
| 12 | Buchanan Island | Andaman & Nicobar | Sanctuary | 9.33 | 1977 | बुचानन द्वीप |
| 13 | Campbell | Andaman & Nicobar | National Park | 426.23 | 1992 | कैंपबेल |
| 14 | Chanel Island | Andaman & Nicobar | Sanctuary | 0.13 | 1977 | चानेल द्वीप |
| 15 | Cinque Islands | Andaman & Nicobar | Sanctuary | 9.51 | 1977 | किंके द्वीपसमूह |
| 16 | Clyde Island | Andaman & Nicobar | Sanctuary | 0.54 | 1977 | क्लाइड द्वीप |
| 17 | Cone Island | Andaman & Nicobar | Sanctuary | 0.65 | 1977 | कोन द्वीप |
| 18 | Curlew (B.P.) Island | Andaman & Nicobar | Sanctuary | 0.16 | 1977 | कुरलेव (बीपी) द्वीप |
| 19 | Curlew Island | Andaman & Nicobar | Sanctuary | 0.03 | 1977 | कुरलेव द्वीप |
| 20 | Cuthbert Bay | Andaman & Nicobar | Sanctuary | 5.82 | 1997 | कुथबर्ट खाड़ी |
| 21 | Defence Island | Andaman & Nicobar | Sanctuary | 10.49 | 1977 | डिफेंस द्वीप |
| 22 | Dot Island | Andaman & Nicobar | Sanctuary | 0.13 | 1977 | डॉट द्वीप |
| 23 | Dottrell Island | Andaman & Nicobar | Sanctuary | 0.13 | 1977 | डॉट्रेल द्वीप |
| 24 | Duncan Island | Andaman & Nicobar | Sanctuary | 0.73 | 1977 | डंकन द्वीप |
| 25 | East Island | Andaman & Nicobar | Sanctuary | 6.11 | 1977 | पूर्वी द्वीप |
| 26 | East Of Inglis Island | Andaman & Nicobar | Sanctuary | 3.55 | 1977 | ईस्ट ऑफ इंगलिस द्वीप |
| 27 | Egg Island | Andaman & Nicobar | Sanctuary | 0.05 | 1977 | एग द्वीप |
| 28 | Elat Island | Andaman & Nicobar | Sanctuary | 9.36 | 1977 | इलैट द्वीप |
| 29 | Entrance Island | Andaman & Nicobar | Sanctuary | 0.96 | 1977 | इंट्रेंस द्वीप |
| 30 | Galathea | Andaman & Nicobar | National Park | 110 | 1992 | गलेथिया |
| 31 | Galathea Bay | Andaman & Nicobar | Sanctuary | 11.44 | 1997 | गलाथिया खाड़ी |
| 32 | Gander Island | Andaman & Nicobar | Sanctuary | 0.05 | 1977 | गैंडर द्वीप |
| 33 | Girjan Island | Andaman & Nicobar | Sanctuary | 0.16 | 1977 | गिरीजन द्वीप |
| 34 | Goose Island | Andaman & Nicobar | Sanctuary | 0.01 | 1977 | गूस द्वीप |
| 35 | Hump Island | Andaman & Nicobar | Sanctuary | 0.47 | 1977 | हंप द्वीप |
| 36 | Interview Island | Andaman & Nicobar | Sanctuary | 133.87 | 1977 | इंटरव्यू द्वीप |
| 37 | James Island | Andaman & Nicobar | Sanctuary | 2.1 | 1977 | जेम्स द्वीप |
| 38 | Jungle Island | Andaman & Nicobar | Sanctuary | 0.52 | 1977 | जंगल द्वीप |
| 39 | Kwangtung Island | Andaman & Nicobar | Sanctuary | 0.57 | 1987 | क्वांगत्तुंग द्वीप |
| 40 | Kyd Island | Andaman & Nicobar | Sanctuary | 8 | 1977 | किड द्वीप |
| 41 | Landfall Island | Andaman & Nicobar | Sanctuary | 29.48 | 1977 | लैंडफाल द्वीप |
| 42 | Latouche Island | Andaman & Nicobar | Sanctuary | 0.96 | 1977 | लटौचे द्वीप |
| 43 | Lohabarrack | Andaman & Nicobar | Sanctuary | 22.21 | 1977 | लोहाबैरक |
| 44 | Mahatma Gandhi Marine | Andaman & Nicobar | National Park | 281.5 | 1983 | महात्मा गांधी मरीन |
| 45 | Mangrove Island | Andaman & Nicobar | Sanctuary | 0.39 | 1977 | मैंग्रोव द्वीप |
| 46 | Mask Island | Andaman & Nicobar | Sanctuary | 0.78 | 1977 | मास्क द्वीप |
| 47 | Mayo Island | Andaman & Nicobar | Sanctuary | 0.1 | 1977 | मायो द्वीप |
| 48 | Megapode Island | Andaman & Nicobar | Sanctuary | 0.12 | 1977 | मेगापोड द्वीप |
| 49 | Middle Button Island | Andaman & Nicobar | National Park | 0.44 | 1987 | मिडल बटन द्वीप |
| 50 | Montogemery Island | Andaman & Nicobar | Sanctuary | 0.21 | 1977 | मोंटोगेमरी द्वीप |
| 51 | Mount Harriett | Andaman & Nicobar | National Park | 46.62 | 1987 | माउंट हैरिएट |
| 52 | Narcondam Island | Andaman & Nicobar | Sanctuary | 6.81 | 1977 | नरकोंडम द्वीप |
| 53 | North Brother Island | Andaman & Nicobar | Sanctuary | 0.75 | 1977 | नार्थ ब्रदर द्वीप |
| 54 | North Button Island | Andaman & Nicobar | National Park | 0.44 | 1987 | नार्थ बटन द्वीप |

| Sl.No. क्र. सं. | PA Name | State | National Park/ Sanctuary राष्ट्रीय पार्क / अभयारण्य | Area क्षेत्रफल | Year of establishment स्थापना का वर्ष | पीए का नाम |
|---|---|---|---|---|---|---|
| 55 | North Island | Andaman & Nicobar | Sanctuary | 0.49 | 1977 | नार्थ द्वीप |
| 56 | North Reef Island | Andaman & Nicobar | Sanctuary | 3.48 | 1977 | नार्थ रीफ द्वीप |
| 57 | Oliver Island | Andaman & Nicobar | Sanctuary | 0.16 | 1977 | ओलिवर द्वीप |
| 58 | Orchid Island | Andaman & Nicobar | Sanctuary | 0.1 | 1977 | आर्चिड द्वीप |
| 59 | Ox Island | Andaman & Nicobar | Sanctuary | 0.13 | 1977 | ऑक्स द्वीप |
| 60 | Oyster Island-I | Andaman & Nicobar | Sanctuary | 0.08 | 1977 | ऑइस्टर द्वाप-I |
| 61 | Oyster Island-II | Andaman & Nicobar | Sanctuary | 0.21 | 1977 | ऑइस्टर द्वाप-II |
| 62 | Paget Island | Andaman & Nicobar | Sanctuary | 7.36 | 1977 | पगेट द्वीप |
| 63 | Parkinson Island | Andaman & Nicobar | Sanctuary | 0.34 | 1977 | पार्किसन द्वीप |
| 64 | Passage Island | Andaman & Nicobar | Sanctuary | 0.62 | 1977 | पैसेज द्वीप |
| 65 | Patric Island | Andaman & Nicobar | Sanctuary | 0.13 | 1977 | पैट्रिक द्वीप |
| 66 | Peacock Island | Andaman & Nicobar | Sanctuary | 0.62 | 1977 | पीकॉक द्वीप |
| 67 | Pitman Island | Andaman & Nicobar | Sanctuary | 1.37 | 1977 | पिटमन द्वीप |
| 68 | Point Island | Andaman & Nicobar | Sanctuary | 3.07 | 1977 | प्वॉइंट द्वीप |
| 69 | Potanma Islands | Andaman & Nicobar | Sanctuary | 0.16 | 1977 | पोटनमा द्वीप |
| 70 | Ranger Island | Andaman & Nicobar | Sanctuary | 4.26 | 1977 | रांगेर द्वीप |
| 71 | Rani Jhansi | Andaman & Nicobar | National Park | 256.14 | 1996 | रानी झांसी |
| 72 | Reef Island | Andaman & Nicobar | Sanctuary | 1.74 | 1977 | रीफ द्वीप |
| 73 | Roper Island | Andaman & Nicobar | Sanctuary | 1.46 | 1977 | रोपर द्वीप |
| 74 | Ross Island | Andaman & Nicobar | Sanctuary | 1.01 | 1977 | रॉस द्वीप |
| 75 | Rowe Island | Andaman & Nicobar | Sanctuary | 0.01 | 1977 | रोवे द्वीप |
| 76 | Saddle Peak | Andaman & Nicobar | National Park | 32.54 | 1987 | सैडल पीक |
| 77 | Sandy Island | Andaman & Nicobar | Sanctuary | 1.58 | 1977 | सैंडी द्वीप |
| 78 | Sea Serpent Island | Andaman & Nicobar | Sanctuary | 0.78 | 1977 | सी सर्पेंट द्वीप |
| 79 | Shark Island | Andaman & Nicobar | Sanctuary | 0.6 | 1977 | शार्क द्वीप |
| 80 | Shearme Island | Andaman & Nicobar | Sanctuary | 7.85 | 1977 | शीरमी द्वीप |
| 81 | Sir Hugh Rose Island | Andaman & Nicobar | Sanctuary | 1.06 | 1977 | सर हग रोज द्वीप |
| 82 | Sisters Island | Andaman & Nicobar | Sanctuary | 0.36 | 1977 | सिस्टर्स द्वीप |
| 83 | Snake Island-I | Andaman & Nicobar | Sanctuary | 0.73 | 1977 | स्नेक द्वीप-I |
| 84 | Snake Island-II | Andaman & Nicobar | Sanctuary | 0.03 | 1977 | स्नेक द्वीप-II |
| 85 | South Brother Island | Andaman & Nicobar | Sanctuary | 1.24 | 1977 | साउथ ब्रदर द्वीप |
| 86 | South Button Island | Andaman & Nicobar | National Park | 0.03 | 1987 | साउथ बटन द्वीप |
| 87 | South Reef Island | Andaman & Nicobar | Sanctuary | 1.17 | 1977 | साउथ रीफ द्वीप |
| 88 | South Sentinel Island | Andaman & Nicobar | Sanctuary | 1.61 | 1977 | साउथ सेंटिनेल द्वीप |
| 89 | Spike Island-I | Andaman & Nicobar | Sanctuary | 0.42 | 1977 | स्पाइक द्वीप-I |
| 90 | Spike Island-II | Andaman & Nicobar | Sanctuary | 11.7 | 1977 | स्पाइक द्वीप-II |
| 91 | Stoat Island | Andaman & Nicobar | Sanctuary | 0.44 | 1977 | स्टोएट द्वीप |
| 92 | Surat Island | Andaman & Nicobar | Sanctuary | 0.31 | 1977 | सूरत द्वीप |
| 93 | Swamp Island | Andaman & Nicobar | Sanctuary | 4.09 | 1977 | स्वैंप द्वीप |
| 94 | Table (Delgarno) Island | Andaman & Nicobar | Sanctuary | 2.29 | 1977 | टेबल (डेलगार्नो) द्वीप |
| 95 | Table (Excelsior) Island | Andaman & Nicobar | Sanctuary | 1.69 | 1977 | टेबल (एक्सेलसियोर) द्वीप |
| 96 | Talabaicha Island | Andaman & Nicobar | Sanctuary | 3.21 | 1977 | तलबैचा द्वीप |
| 97 | Temple Island | Andaman & Nicobar | Sanctuary | 1.04 | 1977 | टैंपल द्वीप |
| 98 | Tillongchang Island | Andaman & Nicobar | Sanctuary | 36.43 | 1977 | टिलोंगचांग द्वीप |
| 99 | Tree Island | Andaman & Nicobar | Sanctuary | 0.03 | 1977 | ट्री द्वीप |
| 100 | Trilby Island | Andaman & Nicobar | Sanctuary | 0.96 | 1977 | ट्रिलबी द्वीप |
| 101 | Tuft Island | Andaman & Nicobar | Sanctuary | 0.29 | 1977 | टफ्ट द्वीप |
| 102 | Turtle Islands | Andaman & Nicobar | Sanctuary | 0.39 | 1977 | टर्टल द्वीपसमूह |
| 103 | West Island | Andaman & Nicobar | Sanctuary | 6.4 | 1977 | वेस्ट द्वीप |
| 104 | Wharf Island | Andaman & Nicobar | Sanctuary | 0.11 | 1977 | वार्फ द्वीप |
| 105 | White Cliff Island | Andaman & Nicobar | Sanctuary | 0.47 | 1977 | ह्वाइट क्लिफ द्वीप |
| 106 | Pitti | Lakshadweep | Sanctuary | 0.01 | 2002 | पिट्टी |

Source/ स्रोत: K Sivakumar, *Coastal and Marine Biodiversity Protected Areas in India: Challenges and Way Forward*,K. Venkataraman et al. (eds.),Ecology and Conservation of Tropical Marine Faunal Communities, Springer-Verlag Berlin Heidelberg 2013.

## Statement 1.33: Number of threatened species at global level by major groups of organisms

## विवरण 1.33 : जीवों के प्रमुख समूहों के अनुसार वैश्विक स्तर पर संकटग्रस्त प्रजातियों की संख्या

| Major Groups | Estimated Number of described species [1] वर्णित प्रजातियों की अनुमानित संख्या [1] | Number of species evaluated by 2016 (IUCN Red List version 2016-3) मूल्यांकित प्रजातियों की अनुमानित संख्या ( रेड लिस्ट संस्करण ) | Number of threatened species[2] | | | | | | | प्रमुख समूह |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2012 (IUCN Red List version 2012.2) ( रेड लिस्ट संस्करण) | 2013 (IUCN Red List version 2013.2) ( रेड लिस्ट संस्करण ) | 2014 (IUCN Red List version 2014.3) ( रेड लिस्ट संस्करण) | 2015 (IUCN Red List version 2015-4) ( रेड लिस्ट संस्करण) | 2016 (IUCN Red List version 2016-3) (रेड लिस्ट संस्करण ) | 2017 (IUCN Red List version 2017-3) (रेड लिस्ट संस्करण ) | 2018 (IUCN Red List version 2018-2) (रेड लिस्ट संस्करण 2) | |
| **Vertebrates** | | | | | | | | | | **कशेरुकी** |
| Mammals[5] | 5567 | 5567 | 1139 | 1143 | 1199 | 1197 | 1194 | 1204 | 1219 | स्तनपायी[5] |
| Birds | 11121 | 11121 | 1313 | 1308 | 1373 | 1375 | 1460 | 1469 | 1492 | पक्षी |
| Reptiles | 10450 | 5338 | 807 | 879 | 927 | 944 | 1079 | 1215 | 1307 | सरीसृप |
| Amphibians | 7571 | 6534 | 1933 | 1950 | 1957 | 1994 | 2068 | 2100 | 2092 | उभयचर |
| Fishes | 33400 | 16134 | 2058 | 2110 | 2222 | 2271 | 2359 | 2386 | 2332 | मछली |
| **Subtotal** | **68109** | **44694** | **7250** | **7390** | **7678** | **7781** | **8160** | **8374** | **8442** | **उप जोड़** |
| **Invertebrates** | | | | | | | | | | **अकशेरुकी** |
| Insects | 1000000 | 6587 | 829 | 896 | 993 | 1046 | 1268 | 1414 | 1537 | कीट |
| Molluscs | 85000 | 7276 | 1857 | 1898 | 1950 | 1950 | 1984 | 2187 | 2195 | सीप |
| Crustaceans[6] | 47000 | 3177 | 596 | 723 | 725 | 728 | 732 | 732 | 733 | क्रस्टेशियन[6] |
| Corals | 2175 | 862 | 236 | 235 | 235 | 237 | 237 | 237 | 237 | प्रवाल |
| Arachnids | 102248 | 212 | 20 | 21 | 163 | 164 | 166 | 170 | 182 | मकड़ी |
| Velvet Worms | 165 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | मखमली कीड़े |
| Horseshoe Crabs | 4 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | राज कर्कट |
| Other | 68658 | 480 | 23 | 40 | 65 | 67 | 73 | 143 | 146 | अन्य |
| **Subtotal** | **1305250** | **18609** | **3570** | **3822** | **4140** | **4201** | **4470** | **4893** | **5040** | **उप जोड़** |
| **Plants[7]** | | | | | | | | | | **पादप[7]** |
| Mosses[8] | 16236 | 102 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | सेवार[8] |
| Ferns and Allies[9] | 12000 | 417 | 167 | 187 | 194 | 197 | 217 | 246 | 249 | फर्न और बंधु[9] |
| Gymnosperms | 1052 | 1011 | 374 | 399 | 400 | 400 | 400 | 401 | 401 | अनावृतबीजी |
| Flowering Plants | 268000 | 20652 | 8764 | 9394 | 9905 | 10551 | 10941 | 11773 | 12564 | पुष्पण पादप |
| Green Alqae[10] | 6050 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | हरा शैवाल[10] |
| Red Algae[10] | 7104 | 58 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | लाल शैवाल[10] |
| **Subtotal** | **310442** | **22253** | **9390** | **10065** | **10584** | **11233** | **11643** | **12505** | **13299** | **उप जोड़** |
| **Fungi & Protists** | | | | | | | | | | **कवक एवं प्रोटिस्ट** |
| Lichens | 17000 | 8 | 2 | 10 | 4 | 7 | 7 | 10 | 20 | शैक |
| Mushrooms | 31496 | 25 | 1 | 33 | 1 | 22 | 21 | 33 | 33 | मशरूम |
| **Brown Algae[10]** | **3784** | **15** | **6** | **6** | **6** | **6** | **6** | **6** | **6** | **भूरा शैवाल[10]** |
| **Subtotal** | **52280** | **48** | **9** | **49** | **11** | **35** | **34** | 49 | 59 | **उप जोड़** |
| **Total** | **1736081** | **85604** | **20219** | **21326** | **22413** | **23250** | **24307** | **25821** | **26840** | **कुल** |

Source : IUCN Website स्रोत: आईयूसीएन की वेबसाइट

NOTES (for rows and columns as indicated by the superscripted numbers):

1. The sources used for the numbers of described species in each taxonomic group are listed below

2. Threatened species are those listed as Critically Endangered (CR), Endangered (EN) or Vulnerable (VU).

3. Where <80% of species within a group have been evaluated, figures for % threatened species are not provided because there is insufficient coverage for these groups. It is only possible to provide reliable figures for % threatened species for those groups that are completely or almost completely evaluated (e.g., mammals, birds, amphibians and gymnosperms).

4. The percentage of threatened species can be calculated for those groups that are completely or almost completely evaluated (>80% of species evaluated), but the actual number of threatened species is often uncertain because it is not known whether Data Deficient (DD) species are actually threatened or not. Therefore, a range of percentages is provided: lower estimate = % threatened extant species (if all DD species are not threatened); best estimate = % threatened extant species (if DD species are equally threatened as data sufficient species); upper estimate = % threatened extant species (if all DD species are threatened). If a single figure is required for reporting purposes, the best estimate figure should be used.

5. The number of described and evaluated mammals excludes domesticated species like sheep (Ovis aries ), goats (Capra hircus ), Dromedary (Camelus dromedarius ), etc.

6. Crustaceans include six classes: Malacostraca (crabs, lobsters, shrimp, woodlice, etc.); Branchiopoda (fairy shrimp, clam shrimp, etc.); Cephalocardia (horseshoe shrimp); Ostracoda (seed shrimp); Maxillopoda (barnacles, copepods, etc.); and Remipedia (remipedes)

7. The plant numbers DO NOT include species from the 1997 IUCN Red List of Threatened Plants (Walter and Gillett 1998) as those were all assessed using the pre-1994 IUCN system of threat categorization. Hence the numbers of of threatened plants are very much lower when compared to the 1997 results. The results from this Red List and the 1997 Plants Red List should be combined

8. Mosses include the true mosses (Bryophyta), the hornworts (Anthoceratophyta), and liverworts (Marchantiophyta).

9. The ferns and allies include club mosses and spike mosses (Lycopodiopsida), quillworts (Isoetopsida), horsetails (Equisetopsida) and ferns (Marattiopsida, Polypodiopsida and Psilotopsida).

10. Seaweeds are included in the green algae (Chlorophyta,Charophyta),red algae(Rhodophyta), and brown algae (Ochrophyta or Heterokontophyta).

टिप्पणियां (ऊपर की ओर लिखी हुई संख्याओं द्वारा यथा उल्लिखित पंक्तियों एवं कॉलमों के लिए):

1. प्रत्येक वर्गिकी में वर्णित प्रजातियों के लिए प्रयुक्त स्रोतों को नीचे सूचीबद्ध किया गया है

2. संकटग्रस्त प्रजातियां वे हैं जो अत्यंत विलुप्तप्राय (सीआर), विलुप्तप्राय (ईएन) या असुरक्षित (वीयू) के रूप में सूचीबद्ध हैं।
3. जहां किसी समूह की <80 प्रजातियों का मूल्यांकन किया गया है, संकटग्रस्त प्रजातियों के प्रतिशत के रूप में आंकड़े नहीं दिए गए हैं क्योंकि इन समूहों का कवरेज पर्याप्त नहीं है। केवल ऐसे समूहों के लिए संकटग्रस्त प्रजातियों के प्रतिशत के रूप में विश्वसनीय आंकड़े प्रदान करना संभव है जिनका पूर्णतया अथवा लगभग पूर्णतया मूल्यांकन किया गया है (उदाहरणार्थ स्तनपायी, पक्षी, उभयचर और अनावतबीजी)।
4. संकटग्रस्त प्रजातियों के प्रतिशत की गणना ऐसे समूहों के लिए की जा सकती है जिनका पूर्णतया अथवा लगभग पूर्णतया मूल्यांकन किया गया है (>80 प्रतिशत प्रजातियों का मूल्यांकन), परंतु संकटग्रस्त प्रजातियों की वास्तविक संख्या अक्सर अनिश्चित रहती है क्योंकि यह ज्ञात नहीं होता कि डाटा अपूर्ण (डीडी) प्रजातियां वास्तव में संकटग्रस्त हैं या नहीं। अत: प्रतिशत की एक रेंज प्रदान की जाती है: कम अनुमान = मौजूदा संकटग्रस्त प्रजातियों का प्रतिशत (यदि सभी डीडी प्रजातियां संकटग्रस्त नहीं हैं); सर्वोत्तम अनुमान = मौजूदा संकटग्रस्त प्रजातियों का प्रतिशत (यदि डीडी प्रजातियां डाटा अपूर्ण प्रजातियों के रूप में समान रूप से संकटग्रस्त हैं); ऊपरी अनुमान = मौजूदा संकटग्रस्त प्रजातियों का प्रतिशत (यदि सभी डीडी प्रजातियां संकटग्रस्त हैं) यदि सूचित करने के प्रयोजनार्थ एकल आंकड़े की आवश्यकता हो तो सर्वोत्तम अनुमान के आंकड़े का प्रयोग करना चाहिए।
5. वर्णित एवं मूल्यांकित स्तनधारियों की संख्या में पालतू प्रजातियां जैसे कि भेड़ (ओविस एरी), बकरी (कापरा हिरकस), साँड़नी (कैमलस ड्रॉमडेरियस) आदि शामिल नहीं है।
6. क्रस्टेसियन में 6 श्रेणियां शामिल हैं: मालकोस्ट्राका (केकड़ा, लॉबस्टर, श्रिम्प, वुडलाइस आदि); ब्रांकियोपोडा (फेयरी श्रिम्प, क्लैम श्रिम्प आदि); सेफालोकार्डिया (हॉर्सशू श्रिम्प); ओस्ट्राकोडा (सीड श्रिम्प); मैक्सिलोपोडा (बर्नाकल, कोपपॉड आदि) और रेमिपेडिया (रेमिपीड)

7. संकटग्रस्त प्रजातियों की आईयूसीएन रेड लिस्ट 1997 (वाल्टर एंड गिलेट 1998) की प्रजातियों को पादप संख्या में शामिल नहीं किया गया है क्योंकि जोखिम वर्गीकरण के 1994 पूर्व आईयूसीएन सिस्टम का प्रयोग करके उनका आकलन किया गया। अत: यदि 1997 के परिणामों से तुलना करें तो संकटग्रस्त पादपों की संख्या बहुत कम है। संकटग्रस्त पादपों के आंकड़े प्रस्तुत करते समय इस रेड लिस्ट और 1997 की पादप रेड लिस्ट के परिणामों को एकसाथ संयोजित करना चाहिए।

8. सेवार में सच्चे सेवार (ब्रायोफिटा), हॉर्नवोर्ट (ऐंथोसेराटोफिटा) और लीवरवोर्ट (मर्चैंटियोफिटा) शामिल हैं।
9. फर्न एवं बधु में क्लब मॉस एवं स्पाइक मॉस (लाइकोपोडियोपसिडा), क्विलवोर्ट (आइसोटोपसिडा), हॉर्सटेल (इक्विसेटोपसिडा) और फर्न (मैराट्टियोपसिडा, पॉलीपोडियोपसिडा एवं सिलोटोपसिडा) शामिल हैं।

10. सीवुड को हरे शैवाल (क्लोरोफिटा, कारोफिटा), लाल शैवाल (रोडोफिटा) और भूरे शैवाल ऑक्रोफिटा या हीटरोकोंटोफिटा) में शामिल किया गया है।

**Statement 1.34 : Category -wise status summary of plants at global level**

**विवरण 1.34 : वैश्विक स्तर पर पादपों की स्थिति का श्रेणीवार सारांश**

| STATUS | Major Groups प्रमुख समूह | IUCN Red List version 2012.1 रेड लिस्ट संस्करण | IUCN Red List version 2013.1 रेड लिस्ट संस्करण | IUCN Red List version 2014.1 रेड लिस्ट संस्करण | IUCN Red List version 2015.4 रेड लिस्ट संस्करण | IUCN Red List version 2014.2 रेड लिस्ट संस्करण | IUCN Red List version 2015.2 रेड लिस्ट संस्करण | IUCN Red List version 2016.2 रेड लिस्ट संस्करण | IUCN Red List version 2017-2 रेड लिस्ट संस्करण | IUCN Red List version 2018-2 रेड लिस्ट संस्करण | स्थिति |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Extinct | 86 | 91 | 90 | 97 | 102 | 97 | 99 | 105 | 116 | 122 | विलुप्त |
| Extinct in the Wild | 28 | 31 | 29 | 37 | 37 | 37 | 37 | 37 | 35 | 35 | वन में विलुप्त |
| Critically Endangered | 1581 | 1752 | 1920 | 2104 | 2347 | 2104 | 2205 | 2484 | 2637 | 2878 | अत्यंत संकटग्रस्त |
| Endangered, | 2318 | 2572 | 2871 | 3178 | 3510 | 3178 | 3381 | 3643 | 3921 | 4537 | संकटग्रस्त, |
| Vulnerable, | 4605 | 4869 | 5038 | 5203 | 5376 | 5203 | 5310 | 5435 | 5544 | 5883 | असुरक्षित, |
| Near Threatened (includes LR/nt - Lower Risk/near threatened) | 1077 | 1246 | 1447 | 1544 | 1622 | 1544 | 1583 | 1645 | 1709 | 1929 | शीघ्र संकटग्रस्त (इसमें एलआर/एनटी-कम जोखिम/शीघ्र संकटग्रस्त शामिल है) |
| Lower Risk/conservation dependent, | 237 | 224 | 211 | 210 | 209 | 210 | 209 | 209 | 204 | 184 | कम जोखिम/संरक्षण पर निर्भर |
| Data Deficient | 744 | 1070 | 1358 | 1526 | 1610 | 1526 | 1599 | 1674 | 1841 | 2263 | डाटा अपूर्ण |
| Least Concern (includes LR/lc - Lower Risk, least concern). | 1531 | 2727 | 4640 | 5481 | 5942 | 5481 | 5762 | 6635 | 7067 | 9679 | बहुत ही कम सरोकार (इसमें एलआर/एलसी-कम जोखिम, बहुत ही कम सरोकार शामिल है) |
| **TOTAL** | **12207** | **14582** | **17604** | **19380** | **19380** | **19380** | **20185** | **21867** | **23074** | **27510** | **कुल** |

*Source : Botanical Survey of India स्रोत: भारतीय वानस्पतिक सर्वेक्षण*

**Statement 1.35: Category-wise plants summary by major taxonomic group**

**विवरण 1.35 : प्रमुख वर्गिकी के अनुसार पादपों का श्रेणीवार सारांश**

**(IUCN Red list version/ आईयूसीएन रेड लिस्ट संस्करण 2018-2)**

| Major Groups/ प्रमुख समूह | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CLASS*** | **EX** | **EW** | **CR** | **EN** | **VU** | **LR/ cd** | **NT** | **DD** | **LC** | **Total कुल** | **वर्ग*** |
| ANTHOCEROTOPSIDA | | | | 2 | | | | | | 2 | ऐंथोसेरोटोपसिडा |
| BRYOPSIDA | 2 | | 12 | 13 | 7 | | 1 | 3 | 3 | 41 | ब्रायोपसिडा |
| CHAROOHYACEAE | | | | | | | | 3 | 8 | 11 | कारोफाइसेई |
| CHLOROPHYCEAE | | | | | | | | 1 | | 1 | क्लोरोफाइसेई |
| CYCADOPSIDA | | 4 | 53 | 65 | 74 | | 63 | 3 | 45 | 307 | साइकाडोपसिडा |
| FLORIDEOPHYCEAE | 1 | | 6 | | 3 | | | 44 | 4 | 58 | फ्लोरिडेयोफाइसेई |
| GINKGOOPSIDA | | | | 1 | | | | | | 1 | जिंकगोपसिडा |
| GNETOPSIDA | | | | 1 | 3 | | 7 | 10 | 76 | 97 | ग्नेटोपसिडा |
| JUNGERMANNIOPSIDA | 1 | | 10 | 11 | 12 | | 1 | | 10 | 45 | जुंगेरमैनियोपसिडा |
| LILIOPSIDA | 9 | 4 | 501 | 812 | 717 | 10 | 352 | 669 | 2585 | 5659 | लिलियोपसिडा |
| LYCOPODIOPSIDA | | | 13 | 11 | 16 | | 9 | 8 | 29 | 86 | लाइकोपोडियोपसिडा |
| MAGNOLIOPSIDA | 107 | 26 | 2192 | 3453 | 4889 | 174 | 1372 | 1456 | 6443 | 20112 | मैग्नोलियोपसिडा |
| MARATTIOPSIDA | | | | | | | | | | | मैराट्टियोपसिडा |
| MARCHANTIOPSIDA | | | 1 | 3 | 2 | | | 4 | 1 | 11 | मर्चैंटियोपसिडा |
| PINOPSIDA | | | 29 | 96 | 79 | | 98 | 7 | 298 | 607 | पिनियोपसिडा |
| POLYPODIOPSIDA | 2 | 1 | 62 | 69 | 78 | | 26 | 54 | 180 | 472 | पॉलीपोडियोपसिडा |
| PSILOTOPSIDA | | | | | | | | | | | सिलोटोपसिडा |

**Statement 1.35: Category-wise plants summary by major taxonomic group**

**विवरण 1.35 : प्रमुख वर्गिकी के अनुसार पादपों का श्रेणीवार सारांश**

**(IUCN Red list version/ आईयूसीएन रेड लिस्ट संस्करण 2018-2)**

| Major Groups/ प्रमुख समूह | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CLASS*** | **EX** | **EW** | **CR** | **EN** | **VU** | **LR/ cd** | **NT** | **DD** | **LC** | **Total कुल** | **वर्ग*** |
| SPHAGNOPSIDA | | | | | 2 | | | | | 2 | स्फैग्नोपसिडा |
| TAKAKIOPSIDA | | | | | 1 | | | | | 1 | टैकाकियोपसिडा |
| ULVOPHYCEAE | | | | | | | | 1 | | 1 | यूल्वोफाइसेई |
| **TOTAL** | **122** | **35** | **2878** | **4537** | **5883** | **184** | **1929** | **2263** | **9679** | **27510** | **कुल** |
| **OTHER GROUPS/अन्य समूह** | | | | | | | | | | | |
| AGARICOMYCETES | | | 4 | 12 | 18 | | 4 | 3 | 1 | 42 | एगैरिकोमाइसीटेस |
| LECANOROMYCETES | | | 6 | 8 | 5 | | 1 | | 2 | 22 | लेकैनोरोमाइसीटेस |
| PEZIZOMYCETES | | | | | | | 1 | | | 1 | पेजिजोमाइसीटेस |
| SORDARIOMYCETES | | | | | | | | 1 | | 1 | सोरदारियोमाइसीटेस |
| PHAEOPHYCEAE | | | 4 | 1 | 1 | | | 9 | | 15 | फियोफाइसी |
| **TOTAL** | | | **14** | **21** | **24** | | **6** | **13** | **3** | **81** | **कुल** |

Source : ENVIS-Botanical Survey of India स्रोत: ईएनवीआईएस-भारतीय वानस्पतिक सर्वेक्षण

*Plants: Anthocerotopsida (hornworts); Bryopsida, Sphagnopsida and Takakiopsida (true mosses); Charophyaceae, Chlorophyceae and Ulvophyceae (green algae); Cycadopsida (cycads); Equisetopsida (horsetails); Florideophyceae (red algae); Ginkgoopsida (ginkgo); Gnetopsida (gnetums); Isoetopsida (quillworts); Jungermanniopsida and Marchantiopsida (liverworts); Liliopsida (monocotyledons); Lycopodiopsida (club mosses and spike mosses); Magnoliopsida (dicotyledons); Marattiopsida, Polypodiopsida and (ferns); Pinopsida (conifers).

**Other groups**: Agaricomycetes (mushroom, etc.); Lecanoromyctes (discolichens); Pezizomycetes(apothecial fungi);Phaeophyceae (brown algae).

**EX** - Extinct **EW** - Extinct in the Wild **CR** - Critically Endangered **EN** - Endangered

**VU** - Vulnerable **LR/cd** - Lower Risk/conservation dependent **NT** - Near Threatened

**DD** - Data Deficient **LC** - Least Concern (includes **LR/lc** - Lower Risk, Least Concern). Blank figures indicate nil

**Statement 1.36 : Number and status of plant species in India**

**विवरण 1.36 : भारत में पादपों की प्रजातियों की संख्या एवं स्थिति**

| Sl. No. | Major Groups | No. of Known Species ज्ञात प्रजातियों की संख्या | | | | | | Percentage of Occurrence in India भारत में पाए जाने का प्रतिशत | | | | | No. of Endemic Species in India भारत में स्थानिक प्रजातियों की संख्या | | | | | No. of Threatened Species in India भारत में संकटग्रस्त प्रजातियों की संख्या | | | | | प्रमुख समूह |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | World विश्व | India भारत | | | | | | | | | | | | | | | | | | | | |
| | | | 2013 | 2014 | 2015 | 2017 | 2018 | 2013 | 2014 | 2015 | 2017 | 2018 | 2013 | 2014 | 2015 | 2017 | 2018 | 2013 | 2014 | 2015 | 2017 | 2018 | |
| **I** | **Flowering Plants** | | | | | | | | | | | | | | | | | | | | | | **पुष्पण पादप** |
| | 1. Gymnosperms | 1021 | 79 | 75 | 78 | 79 | 81 | 7.74 | 7.35 | 7.64 | 7.74 | 7.93 | 8 | 8 | 8 | 12 | 12 | 7 | 7 | 7 | 7 | 7 | अनावृतबीजी |
| | 2. Angiosperms | 268600 | 18386 | 18043 | 18259 | 18386 | 18532 | 6.85 | 6.72 | 6.80 | 6.845 | 6.90 | ca. 4045 | ca. 4036 | 4036 | 4303 | 4303 | 1700 | 1700 | 1700 | 1700 | 1700 | आवृतबीजी |
| **II** | **Non-flowering Plants** | | | | | | | | | | | | | | | | | | | | | | **गैर पुष्पण पादप** |
| | 1. Bryophytes | 16236 | 2748 | 2523 | 2550 | 2748 | 2754 | 16.93 | 15.54 | 15.71 | 16.93 | 16.96 | 629 | 629 | 629 | 629 | 629 | ca.80 | ca.80 | ca.80 | c.80 | c.80 | ब्रायोफाइट |
| | 2. Pteridophytes | 12000 | 1289 | 1268 | 1288 | 1289 | 1293 | 10.74 | 10.57 | 10.73 | 10.74 | 10.78 | 47 | 47 | 47 | 66 | 66 | 414 | 414 | 414 | 414 | 414 | पटेरिडोफाइट |
| **III** | **Others** | | | | | | | | | | | | | | | | | | | | | | **अन्य** |
| | 1. Virus & Bacteria | 11813 | 1170 | 1036 | 1120 | 1170 | 1196 | 9.90 | 8.77 | 9.48 | 9.90 | 10.12 | Not Known | | | | | Not Known | | | | | वायरस और बैक्टीरिया |
| | 2. Algae | 40000 | 7357 | 7284 | 7331 | 7357 | 7396 | 18.39 | 18.21 | 18.33 | 18.39 | 18.49 | 1924 | 1924 | 1924 | 1924 | 1924 | Not Known | | | | | शैवाल |
| | 3. Fungi | 98998 | 15115 | 14883 | 15053 | 15115 | 15223 | 15.27 | 15.03 | 15.21 | 15.27 | 15.38 | ca.4100 | ca.4100 | ca.4100 | c. 4100 | c. 4100 | ca.580 | ca.580 | ca.580 | ca.580 | ca.580 | फफुंद |
| | 4. Lichens | 17000 | 2511 | 2401 | 2479 | 2511 | 2528 | 14.77 | 14.12 | 14.58 | 14.77 | 14.87 | ca.520 | ca.520 | ca.520 | c.520 | c.520 | Not Known | | | | | शैक |
| Total | | 465668 | 48655 | | | | 49003 | | | | | | | | | | | | | | | | कुल |

Source : Botanical Survey of India, Kolkata. स्रोत : भारतीय वानस्पतिक सर्वेक्षण, कोलकाता

Note: World figures are based on the Second edition of the "Number of Living Species in Australia and the World" (Chapman, 2009); data on the number of species in India are taken from 'Plant Discoveries 2017- New Genera, Species and New Records' compiled and edited by Paramjit Singh and S.S. Dash, published by Botanical Survey of India in 2018.

**Statement 1.37 : State-wise distribution of threatened wetland flora and fauna**

**विवरण 1.37 : दलदली भूमि के संकटग्रस्त जीव-जन्तुओं एवं वनस्पतियों का राज्यवार वितरण**

| State | Major Groups प्रमुख समूह | Threatened birds संकटग्रस्त पक्षी | Threatened fishes संकटग्रस्त मछलियां | Threatened turtles संकटग्रस्त कछुए | राज्य |
|---|---|---|---|---|---|
| Tamil Nadu | 46 | 3 | 35 | 4 | तमिलनाडु |
| Kerala | 65 | 0 | 37 | 3 | केरल |
| Karnataka | 64 | 5 | 15 | 2 | कर्नाटक |
| Goa | 17 | 0 | 15 | 0 | गोवा |
| Andhra Pradesh | 13 | 6 | 19 | 2 | आंध्र प्रदेश |
| Odisha | 6 | 0 | 22 | 6 | ओडिशा |
| Madhya Pradesh & Chhattisgarh | 20 | 5 | 16 | 7 | मध्य प्रदेश और छत्तीसगढ़ |
| Maharashtra | 69 | 2 | 19 | 3 | महाराष्ट्र |
| Gujarat | 11 | 6 | 12 | 1 | गुजरात |
| Rajasthan | 9 | 6 | 17 | 3 | राजस्थान |
| Haryana | 0 | 6 | 15 | 1 | हरियाणा |
| Punjab | 0 | 4 | 15 | 5 | पंजाब |
| Jammu & Kashmir | 2 | 2 | 20 | 2 | जम्मू एवं कश्मीर |
| Himachal Pradesh | 0 | 2 | 19 | 0 | हिमाचल प्रदेश |
| Uttar Pradesh | 3 | 13 | 34 | 10 | उत्तर प्रदेश |
| Bihar & Jharkhand | 5 | 6 | 19 | 9 | बिहार और झारखंड |
| West Bengal | 5 | 6 | 32 | 11 | पश्चिम बंगाल |
| Assam | 2 | 10 | 35 | 10 | असम |
| North East States* | 5 | 12 | 34 | 9 | पूर्वोत्तर राज्य* |
| **Total** | **342** | **94** | **430** | **88** | **कुल** |

* - Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram, Sikkim & Tripura

Source / स्रोत: Vijayan et al. 2004; SACON, Coimbatore(table reproduced from India's 4th National Report to the convention on Biological Diversity, MOEF-2009)

Vijayan VS, Prasad SN, Vijayan L, Muralidharan S (2004) Inland wetlands of India—conservation priorities. Salim Ali Centre for Ornithology and Natural History, Coimbatore

**Statement 1.38: Marine faunal diversity in India and the world**

**विवरण 1.38 : भारत और विश्व में समुद्री जीव-जन्तुओं की विविधता**

| Group | Major Groups प्रमुख समूह | India भारत | | समूह |
|---|---|---|---|---|
| | | Total aquatic कुल अक्वेटिक | Marine[$] मरीन | |
| Protista | 36400 | 3510 | 750 | प्रॉटिस्टा |
| Acanthocephala | 1199 | 229 | | एकैंथोसिफेला |
| Annelida | 17426 | 1004 | 440 | एनेलिडा |
| Brachiopoda | 7390 | 4 | | ब्रैकियोपोडा |
| Bryozoa | 11474 | 272 | | ब्रायोजोया |
| Cnidaria | 16383 | 1074 | | निडारिया |
| Chaetogantha | 186 | 30 | | चैतोगांठा |
| Arthropda | 1270711 | 73657 | | आर्थ्रोपडा |
| *Crustacea* | *73141* | *3584* | | *क्रसटेशिया* |
| *Insecta* | *1070781* | *63880* | | *इंसेक्टा* |
| *Arachnida* | *114275* | *5907* | | *अरैक्निडा* |
| *Pycnogonida* | *1346* | *17* | *16* | *पाइक्नोगोनिडा* |
| *Chilopoda* | *3118* | *101* | | *चिलोपोडा* |
| *Diplopoda* | *7842* | *162* | | *डिप्लोपोडा* |
| *Symphyla* | *204* | *4* | | *सिम्फिला* |
| *Merostomata* | *4* | *2* | | *मेरोस्तोमाते* |
| Ctenophora | 187 | 12 | 12 | सेनोफोरा |
| Echinodermata | 6600 | 779 | 765 | एचिनोडेरमाटा |
| Echiura | 198 | 43 | 33 | एचिरा |
| Entoprocta | 172 | 10 | | एंटोप्रोक्टा |
| Gastrotricha | 794 | 100 | 88 | गैस्ट्रोट्रिचा |
| Hemichordata | 126 | 12 | 12 | हेमिकोरडाटा |
| Kinorhyncha | 196 | 10 | 99 | किनोरिंचा |
| Mesozoa | 136 | 10 | 10 | मेसोजोया |
| Mollusca | 118061 | 5188 | 3370 | सीप |
| Nematoda | 25043 | 2914 | | नेमाटोडा |
| Nemertea | 1362 | 6 | | नेमर्टिया |
| Nematomorpha | 360 | 20 | | नेमाटोमोरफा |
| Onychophora | 187 | 1 | | ऑनीकोफोरा |
| Phoronida | 16 | 3 | | फोरोनिडा |
| Chordata | 66471 | 6002 | | कोरडाटा |
| *Pisces* | *33888* | *3287* | *1800* | *मत्स्य वर्ग* |
| *Amphibia* | *7534* | *386* | *3* | *उभयचर* |
| *Reptilia* | *10272* | *562* | *26* | *सरिसृप* |
| *Aves* | *9026* | *1340* | *145* | *पक्षी* |
| *Mammalia* | *5751* | *427* | *29* | *स्तनपायी* |
| Platyhelminthes | 29488 | 1666 | 550 | प्लैटिहेल्मिंथेस |
| Porifera | 10876 | 502 | 486 | पोरिफेरा |
| Protochordate | 3000 | 119 | 116 | प्रोटोक्लोरडेट |
| Rotifera | 2049 | 466 | | रोटिफेरा |
| Sipuncula | 147 | 35 | 38 | सिपुंकुला |
| Tardigrada | 1335 | 30 | 10 | टार्डिग्राडा |
| **Total** | **1627973** | **97708** | **8798** | **कुल** |

Source / स्रोत: Current Status of FRESHWATER FAUNAL DIVERSITY IN INDIA-2017, Zological Survey of India
(Data of marine diversity in india ($) is retrieved from India's Fifth National Report to the convention on Biological Diversity- 2014,Ministry of Environment, Forest and Climate Change(MoEF&CC)

**Statement 1.39 : Number of rare and threatened species in vertebrates**

**विवरण 1.39 : कशेरुकी वाली दुर्लभ एवं संकटग्रस्त प्रजातियों की संख्या**

| Sl. No. क्र. सं. | Major Groups | Approximate Number अनुमानित संख्या | | | | | प्रमुख समूह |
|---|---|---|---|---|---|---|---|
| | | Mammal स्तनपायी | Aves पक्षी | Reptilia सरीसृप | Amphibia उभयचर | Pisces मत्स्य वर्ग | |
| 1 | Extinct | 0 | 0 | 0 | 1 | 0 | विलुप्त |
| 2 | Critically Endangered | 10 | 16 | 5 | 13 | 5 | अत्यंत संकटग्रस्त |
| 3 | Endangered | 39 | 17 | 9 | 31 | 6 | लुप्तप्राय |
| 4 | Vulnerable | 47 | 53 | 11 | 21 | 29 | असुरक्षित |
| 5 | Near Threatened | 26 | 96 | 10 | 9 | 25 | शीघ्र संकटग्रस्त |
| **Total** | | **122** | **182** | **35** | **75** | **65** | **कुल** |

Source : Zoological Survey of India

स्रोत : भारतीय प्राणिविज्ञान सर्वेक्षण

**Statement 1.40: Number of threatened Indian faunal species**

**विवरण 1.40 : भारतीय जीव-जन्तुओं की संकटग्रस्त प्रजातियों की संख्या**

| Group | Threatened संकटग्रस्त | No change or stable कोई परिवर्तन नहीं या स्थिर | Upwards or improving वृद्धि या सुधार | Downwards or decreasing गिरावट या कमी | Indeterminate अनिश्चित | Trends not available रुझान उपलब्ध नहीं | समूह |
|---|---|---|---|---|---|---|---|
| Mammals | 213 | 4 | 1 | 47 | 87 | 74 | स्तनपायी |
| Birds | 149 | 2 | - | 80 | 10 | 57 | पक्षी |
| Reptiles | 33 | - | - | 2 | 2 | 29 | सरीसृप |
| Amphibia | 148 | 5 | - | 68 | 73 | 2 | उभयचर |
| Pisces | 75 | - | - | 21 | 42 | 12 | मत्स्य वर्ग |
| Crustacea | 12 | - | - | - | - | 12 | क्रस्टेशियन |
| Mollusca | 5 | - | - | - | 1 | 4 | सीप |
| Hymenoptera | 5 | - | - | - | - | 5 | हाइमेनॉप्टेरा |
| Lepidoptera | 4 | - | - | - | 1 | 4 | लेपिडॉप्टेरा |
| Odonata | 3 | - | - | - | 1 | 3 | ऑडोनाटा |
| Anoplura | 1 | - | - | - | - | 1 | एनोप्लूरा |
| **Total** | **648** | **11** | **1** | **218** | **217** | **203** | **कुल** |

Source: India's 4th National Report to the Convention on Biological Diversity, MOEF-2009

स्रोत : जैव विविधता पर अभिसमय के लिए भारत की चौथी राष्ट्रीय रिपोर्ट, एमओईएफ-2009

## Statement 1.41 : List of threatened/ endangered species notified in India
## विवरण 1.41 : भारत में अधिसूचित संकटग्रस्त / विलुप्तप्राय प्रजातियों की सूची

As per the Gazette Notification in the Central Government ( Ministry of Environment and Forests) has made following amendments in the Schedule of the Wild Life (Protection ) Act, 1972 and included the following species in the Schedules of Threatened and endangered species (amended upto 2011).

| | | | |
|---|---|---|---|
| 1 | **Schedule 1** | 1 | **अनुसूची 1** |
| | **PART I** | | **भाग ।** |
| | **MAMMALS** | | **स्तनपायी** |
| | 42*. Wroughton's free tailed bat (Otomops wroughtoni) | | 42*. रोगटन के मफ्त पंछ चमगादड़ (ओटोमॉप्स रोगटोनी) |
| | **PART IIA** | | **भाग ॥ए** |
| | ****FISHES** | | ****मछली** |
| | 2. Shark and Ray | | 2. शार्क और रे |
| (i) | Anoxypristis cuspidata | (i) | एनौक्सीप्रिस्टिस क्यूस्पिडाटा |
| (ii) | Carcharhinus hemiodon | (ii) | कार्चारहिनस हेमियोडोन |
| (iii) | Glyphius gangetics | (iii) | ग्लिफियस गंगेटिक्स |
| (iv) | Glyphius glyphius | (iv) | ग्लिफियस ग्लिफियस |
| (v) | Himantura fluviatilis | (v) | हिमांट्रा फ्लूवियाटिस |
| (vi) | Pristis microdon | (vi) | प्रिस्टिस माइक्रोडोन |
| (vii) | Pristis zijsron | (vii) | प्रिस्टिस ज़िजसरोन |
| (viii) | Rhychobatus djiddensis | (viii) | राइकोबैटस जिडेनसिस |
| (ix) | Urogymnus asperrimus | (ix) | यूरोग्लामनस ऐस्पेरिमस |
| | PART III | | **भाग ॥।** |
| | **BIRDS** | | **पक्षी** |
| | *19. Swiftlets (Collocalia unicolor and Collacalia fusiphaga) | | *19. स्विफ्टलेट (कोलोकालिया यूनिकलर और कोलाकैलिया फ्यूसिफागा) |
| | Part lV B- **Mollusca | | **भाग IVबी- **सीप** |
| 1 | Cassis cornuta | 1 | कैसिस कॉरन्टा |
| 2 | Charonia tritonis | 2 | कैरोनिया ट्रिटोनिस |
| 3 | Conus milneedwardsi | 3 | कोनस मिलनीडवार्डसी |
| 4 | Cypraecssis rufa | 4 | साइप्रेसिस रूफा |
| 5 | Hippopus hippopus | 5 | हिप्पोपस हिप्पोपस |
| 6 | Nautilus Pompilius | 6 | नौटिलय पॉम्पिलियस |
| 7 | Tridacna maxima | 7 | ट्रिडैकना मैक्सिमा |
| 8 | Tridacna squamosa | 8 | ट्रिडैकना स्क्वामोसा |
| 9 | Tudicla Spirillus | 9 | ट्रडिक्ला स्पाइरिलस |
| | **Schedule II** | | **अनुसूची ॥** |
| | **PART II** | | **भाग ॥** |
| | *16. Mangooses (All species of genus Herpestes) | | *16. नेवला (जीनस हेर्पीस्टे की सभी प्रजातियां) |
| 2 | Schedule IV | 2 | **अनुसूची IV** |
| | * 6- A. Small Game - Omitted | | * 6- ए. स्माल गेम - हटा दिया गया है |
| 19. | ****Mollusca** | 19. | ****सीप** |
| i. | Cypraea lamanica | i. | साइप्रेई लैमानिका |
| ii. | Cypraea mappa | ii. | साइप्रेई मैप्पा |
| iii. | Cypraea talpa | iii. | साइप्रेई टाल्पा |
| iv. | Fasciolaria trapezium | iv. | फैसियोलैरिया ट्रेपिज़ियम |
| v. | Harpulina arausiaca | V. | हार्प्लिना एरौसियाका |
| vi. | Lambis chiragra | vi. | लैम्बिस किराग्रा |
| vii. | Lambis chiragra arthitica | vii. | लैम्बिस किराग्रा एर्थिटिका |
| viii. | Lambis crocea | viii. | लैम्बिस क्रोसिया |
| ix. | Lambis millepeda | ix. | लैम्बिस मिल्लेपेडा |
| x. | Lambis scorpius | X. | लैम्बिस स्कोरपियस |
| xi. | Lambis truncata | XI. | लैम्बिस ट्रुनकैटा |
| xii. | Placenta placenta | XII. | प्लेसेंटा प्लेसेंटा |
| xiii. | Strombus plicatus sibbaldii | XIII. | स्ट्रॉमबस प्लीकैटस सिब्बाल्डी |
| xiv. | Turbomarmoratus | XIV. | टर्बोमैरमोरेटस |
| xv. | Turbo marmoratus Linnaeus | XV. | टर्बोमैरमोरेटस लिनेयस |
| 20 | Horseshoe Crab (Tachypleus gigas and Carcinoscorpius rotundicauda) | | |

(Ins. By S.O. 2293 (E), dated 4th September,2009 (w.e.f. 9-9-2009)

* (Vide Notification No. S.O. 1085 (E), dated 30th September 2002, published in the Gazetted of India, Extra., Pt. II, Sec. 3 (ii), dated 11th

** (Subs. By/Added by S.O. 1197 (E), dated 5th December, 2001 (w.e.f. 6-12-2001) and corrected by S.O. 233 (E), dated 19th February 2002).

S.O. 3653 E - In exercise of the powers conferred by sub-section (1) of Section 61 of the Wild Life (Protection)Act, 1972 (53 of 1972), the Central Government, being of the opinion that it is expedient so to do, hereby makes the following amendments in Schedule I, Schedule II, Schedule III and Schedule IV to the said Act, namely:-

1 In Schedule I to the said Act, -

(a) in Part I relating to "MAMMAL", after entry 43, the following entry shall be inserted, namely:"44. **Hog Deer (Axis Porchinus)".**

(b) in Part III relating to"BIRDS", the word" ***Collocatia fusiphaga*** " in the entry 19 shall be omitted.

2 In Schedule II to the said Act, in Part II, the entry 5 shall be omitted.

3 In Schedule II to the said Act, the entry 11 shall be omitted.

4 In Schedule IV to the said Act,

(a) In entry 11, for item 57 and entry relating thereto, the following item and the entry shall be substituted, namely:-

"57. ***Quails (Phasinidae)*** - except ***Coturnix japonica (Japanese Quails)*** of farm bred variety:,

(b) after entry 15, the following entry shall be inserted, namely:-

"15-A. ***Tokay gecko (Gecko gecko)*** ".

***Source :Ministry of Environment, Forest and Climate Change/ Zoological Survey of India***

स्रोत: पर्यावरण, वन एंव जलवायू परिवर्तन मंत्रालय/भारतीय प्राणिविज्ञान सर्वेक्षण

**Statement 1.42 : State-wise population of wild elephants**

**विवरण 1.42 : जंगली हाथियों की राज्यवार आबादी**

| STATE | Major Groups | | | | | | राज्य |
|---|---|---|---|---|---|---|---|
| | 1993 | 1997 | 2002 | 2007 | 2012 | 2017 | |
| Andhra Pradesh | 46 | 57 | 74 | 28 | 41 | 65 | आंध्र प्रदेश |
| Arunachal Pradesh | 2102 | 1800 | 1607 | 1690 | 890 | 1614 | अरुणाचल प्रदेश |
| Assam | 5524 | 5312 | 5246 | 5281 | 5620 | 5719 | असम |
| Bihar | | | | | | 25 | बिहार |
| Chhattisgarh | - | - | - | 122 | 247 | 247 | छत्तीसगढ़ |
| Haryana | | | | | | 7 | हरियाणा |
| Himachal | | | | | | 7 | हिमाचल |
| Jharkhand | 550* | 618* | 772 | 624 | 688 | 679 | झारखंड |
| Karnataka | 5500 | 6088 | 5838 | 4035 | 5648-6488 | 6049 | कर्नाटक |
| Kerala | 3500 | 3600 | 3850 | 6068 | 5942-6422 | 5706 | केरल |
| Madhya Pradesh | | | | | | 7 | मध्य प्रदेश |
| Maharashtra | - | - | - | 7 | 4 | **6** | महाराष्ट्र |
| Manipur | 50 | 30 | 12 | - | - | 9 | मणिपुर |
| Meghalaya | 2872 | 1840 | 1868 | 1811 | 1811# | 1754 | मेघालय |
| Mizoram | 15 | 22 | 33 | - | - | 7 | मिजोरम |
| Nagaland | 178 | 158 | 145 | 152 | 212 | 446 | नागालैंड |
| Odisha | 1750 | 1800 | 1841 | 1862 | 1930 | 1976 | ओडिशा |
| Tamil Nadu | 2307 | 2971 | 3052 | 3867 | 4015 | 2761 | तमिलनाडु |
| Tripura | 100 | 70 | 40 | 59 | 59 | 102 | त्रिपुरा |
| Uttar Pradesh | 47 | 70 | 85 | 380 | 291 | 232 | उत्तर प्रदेश |
| Uttarakhand | 828* | 1130* | 1582 | 1346 | 1346# | 1839 | उत्तराखंड |
| West Bengal | 200 | 276 | 328 | 325-350 | 647 | 682 | पश्चिम बंगाल |
| Andaman And Nicobar Island | 35 | 35 | 40 | - | - | 25 | अंडमान एवं निकोबार दीप समूह |
| **Grand Total** | **24226** | **25604** | **25877** | **27657-27682** | **29391-30711** | **29964** | **कुल योग** |

Source: Project Elephant Division, Ministry of Environment, Forest and Climate Change

स्रोत : प्रोजेक्ट एलीफैंट, पर्यावरण, वन एंव जलवायु परिवर्तन मंत्रालय

* As part of Bihar, Madhya Pradesh and Uttar Pradesh respectively

# Meghalaya and Uttarakhand has not conducted elephant census in 2012. Therefore, the figure of 2007 has been maintained for 2012 as well.

**Statement 1.43: State-wise population of Tiger and their occupancy**

**विवरण 1.43 : बाघों की राज्यवार आबादी और उनका दखल क्षेत्र**

| State | Tiger Population बाघों की आबादी | | | Tiger Km$^2$ बाघ वर्ग कि.मी. | | | राज्य |
|---|---|---|---|---|---|---|---|
| | 2006 | 2010 | 2014 | 2006 | 2010 | 2014 | |
| **Shivalik-Gangetic Plain Landscape Complex** | | | | | | | **शिवालिक-गंगेटिक प्लेन लैंडस्केप कॉप्लेक्स** |
| Uttarakhand | 178 | 227 | 340 | 1901 | 3476 | 6576 | उत्तराखंड |
| Uttar Pradesh | 109 | 118 | 117 | 2766 | 2511 | 2519 | उत्तर प्रदेश |
| Bihar | 10 | 8 | 28 | 510 | 750 | 922 | बिहार |
| **Shivalik Gangetic** | **297** | **353** | **485** | **5177** | **6737** | **10017** | **शिवालिक गंगेटिक** |
| **Central Indian Landscape Complex and Eastern Ghats Landscape Complex** | | | | | | | **मध्य भारत के लैंडस्केप कॉप्लेक्स और पूर्वी घाट के लैंडस्केप कॉप्लेक्स** |
| Andhra Pradesh | 95 | 72 | 68 | 14126 | 4495 | 4686 | आंध्र प्रदेश |
| Chhattisgarh | 26 | 26 | 46 | 3609 | 3514 | 4735 | छतीसगढ़ |
| Madhya Pradesh | 300 | 257 | 308* | 15614 | 13833 | 15156 | मध्य प्रदेश |
| Maharashtra | 103 | 168 | 190 | 4273 | 11960 | 11643 | महाराष्ट्र |
| Odisha | 45 | 32 | 28 | 9144 | 3398 | 3981 | ओडिशा |
| Rajasthan | 32 | 36 | 45 | 356 | 637 | 1147 | राजस्थान |
| Jharkhand | - | 10 | 3+ | 1488 | 1180 | 626 | झारखंड |
| **Central Indian** | **601** | **601** | **688** | **48610** | **39017** | **41974** | **मध्य भारत** |
| **Western Ghats Landscape Complex** | | | | | | | **पश्चिमी घाट के लैंडस्केप कॉप्लेक्स** |
| Karnataka | 290 | 300 | 406 | **18715** | 14414 | 14523 | कर्नाटक |
| Kerala | 46 | 71 | 136 | 6168 | 6804 | 7137 | केरल |
| Tamil Nadu | 76 | 163 | 229 | 9211 | 8389 | 7229 | तमिलनाडु |
| Goa | | | 5 | | | 622 | गोवा |
| **Western Ghats** | **412** | **534** | **776** | **34094** | **29607** | **29511** | **पश्चिमी घाट** |
| **North East Hills and Brahmaputra Flood Plains** | | | | | | | **पूर्वोत्तर के पहाड़ एवं ब्रह्मपुत्र के फ्लड प्लेन** |
| Assam | 70 | 143 | 167 | 1164 | 2381 | 3848 | असम |
| Arunachal Pradesh | 14 | - | 28* | 1685 | 1304 | 1169 | अरुणाचल प्रदेश |
| Mizoram | 6 | 5 | 3+ | 785 | 416 | 100 | मिजोरम |
| Northern West Bengal | 10 | - | 3 | 596 | 799 | 704 | उत्तरी पश्चिम बंगाल |
| North East Hills, and Brahmaputra | 100 | 148 | 201 | 4230 | 4900 | 5821 | पूर्वोत्तर के पहाड़ एवं ब्रह्मपुत्र |
| Sunderbans | - | 70 | 76 | 1586 | 1645 | 1841 | सुंदरवन |
| **Total Tiger Population** | **1411** | **1706** | **2226** | **93697** | **81906** | **89164** | **बाघों की कुल जनसंख्या** |

*Source : National Tiger Conservation Authority, Ministry of Environment, Forest and Climate Change*

*स्रोतः राष्ट्रीय बाघ संरक्षण प्राधिकरण, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय*

* Likely to be revised as sampling is ongoing in the state + From scat DNA

## Statement 1.44 : Tiger Reserves in India
## विवरण 1.44 : भारत में टाइगर रिज़र्व

(Area in sq. Kms.) (क्षेत्रफल वर्ग किलोमीटर में)

| Sl. No. क्र. सं. | Year of Creation सृजन का वर्ष | Name of Tiger Reserve टाइगर रिजर्व़ का नाम | State | Area of core/critical tiger habitat प्रमुख/महत्वपूर्ण टाइगर हैबिटैट का क्षेत्रफल | Area of the buffer/peripheral बफर/पेरिफरल क्षेत्र | Total area कुल क्षेत्रफल | राज्य |
|---|---|---|---|---|---|---|---|
| 1 | 1973-74 | Bandipur | Karnataka | 872.24 | 584.06 | 1456.30 | कर्नाटक |
| 2 | 1973-74 | Corbett | Uttarakhand | 821.99 | 466.32 | 1288.31 | उत्तराखंड |
| | | Amangarh (buffer of Corbett T | Uttar Pradesh | | 80.60 | 80.60 | उत्तर प्रदेश |
| 3 | 1973-74 | Kanha | Madhya Pradesh | 917.43 | 1134.36 | 2051.79 | मध्य प्रदेश |
| 4 | 1973-74 | Manas | Assam | 840.04 | 2310.88 | 3150.92 | असम |
| 5 | 1973-74 | Melghat | Maharashtra | 1500.49 | 1268.03 | 2768.52 | महाराष्ट्र |
| 6 | 1973-74 | Palamau | Jharkhand | 414.08 | 715.85 | 1129.93 | झारखंड |
| 7 | 1973-74 | Ranthambore | Rajasthan | 1113.36 | 297.93 | 1411.29 | राजस्थान |
| 8 | 1973-74 | Similipal | Odisha | 1194.75 | 1555.25 | 2750.00 | ओडिशा |
| 9 | 1973-74 | Sunderbans | West Bengal | 1699.62 | 885.27 | 2584.89 | पश्चिम बंगाल |
| 10 | 1978-79 | Periyar | Kerala | 881.00 | 44.00 | 925.00 | केरल |
| 11 | 1978-79 | Sariska | Rajasthan | 881.11 | 332.23 | 1213.34 | राजस्थान |
| 12 | 1982-83 | Buxa | West Bengal | 390.58 | 367.32 | 757.90 | पश्चिम बंगाल |
| 13 | 1982-83 | Indravati | Chhattisgarh | 1258.37 | 1540.70 | 2799.07 | छत्तीसगढ़ |
| 14 | 1982-83 | Namdapha | Arunachal Pradesh | 1807.82 | 4.00 | 1811.82 | अरुणाचल प्रदेश |
| 15 | 1982-83 | Nagarjunsagar Srisailam (part)* | Andhra Pradesh | 2595.72 | 700.59 | 3296.31 | आंध्र प्रदेश |
| 16 | 1987-88 | Dudhwa | Uttar Pradesh | 1093.79 | 1107.98 | 2201.77 | उत्तर प्रदेश |
| 17 | 1988-89 | Kalakad-Mundanthurai | Tamil Nadu | 895.00 | 706.54 | 1601.54 | तमिलनाड़ु |
| 18 | 1988-89 | Valmiki | Bihar | 598.45 | 300.93 | 899.38 | बिहार |
| 19 | 1989-90 | Pench | Madhya Pradesh | 411.33 | 768.30 | 1179.63 | मध्य प्रदेश |
| 20 | 1992-93 | Tadoba-Andhari | Maharashtra | 625.82 | 1101.77 | 1727.59 | महाराष्ट्र |
| 21 | 1993-94 | Bandhavgarh | Madhya Pradesh | 716.90 | 820.04 | 1536.94 | मध्य प्रदेश |
| 22 | 1993-94 | Panna | Madhya Pradesh | 576.13 | 1021.97** | 1598.10 | मध्य प्रदेश |
| 23 | 1994-95 | Dampa | Mizoram | 500.00 | 488.00 | 988.00 | मिजोरम |
| 24 | 1994-95 | Bhadra | Karnataka | 492.46 | 571.83 | 1064.29 | कर्नाटक |
| 25 | 1998-99 | Pench | Maharashtra | 257.26 | 483.96 | 741.22 | महाराष्ट्र |
| 26 | 1999-2000 | Pakke | Arunachal Pradesh | 683.45 | 515.00 | 1198.45 | अरुणाचल प्रदेश |
| 27 | 1999-2000 | Nameri | Assam | 320.00 | 144.00 | 464.00 | असम |
| 28 | 1999-2000 | Satpura | Madhya Pradesh | 1339.26 | 794.04 | 2133.31 | मध्य प्रदेश |
| 29 | 2008-09 | Anamalai | Tamil Nadu | 958.59 | 521.28 | 1479.87 | तमिलनाड़ु |
| 30 | 2008-09 | Udanti-Sitanadi | Chattisgarh | 851.09 | 991.45 | 1842.54 | छत्तीसगढ़ |
| 31 | 2008-09 | Satkosia | Odisha | 523.61 | 440.26 | 963.87 | ओडिशा |
| 32 | 2008-09 | Kaziranga | Assam | 625.58 | 548 | 1173.58 | असम |
| 33 | 2008-09 | Achanakmar | Chattisgarh | 626.195 | 287.822 | 914.017 | छत्तीसगढ़ |
| 34 | 2008-09 | Dandeli-Anshi | Karnataka | 814.88 | 282.63 | 1097.51 | कर्नाटक |
| 35 | 2008-09 | Sanjay-Dubri | Madhya Pradesh | 812.57 | 861.93 | 1674.50 | मध्य प्रदेश |
| 36 | 2008-09 | Mudumalai | Tamil Nadu | 321.00 | 367.59 | 688.59 | तमिलनाड़ु |
| 37 | 2008-09 | Nagarahole | Karnataka | 643.35 | 562.41 | 1205.76 | कर्नाटक |
| 38 | 2008-09 | Parambikulam | Kerala | 390.89 | 252.77 | 643.66 | केरल |
| 39 | 2009-10 | Sahyadri | Maharashtra | 600.12 | 565.45 | 1165.57 | महाराष्ट्र |
| 40 | 2010-11 | Biligiri Ranganatha Temple | Karnataka | 359.10 | 215.72 | 574.82 | कर्नाटक |
| 41 | 2012-13 | Kawal | Telangana | 892.23 | 1123.21 | 2015.44 | तेलंगाना |
| 42 | 2013-14 | Sathyamangalam | Tamil Nadu | 793.49 | 614.91 | 1408.40 | तमिलनाड़ु |
| 43 | 2013-14 | Mukandra Hills | Rajasthan | 417.17 | 342.82 | 759.99 | राजस्थान |
| 44 | 2013-14 | Nawegaon-Nagzira | Maharashtra | 653.67 | 0.00 | 653.67 | महाराष्ट्र |
| 45 | 2014 | Amrabad | Telangana | 2166.37 | 445.02 | 2611.39 | तेलंगाना |
| 46 | 2014 | Pilibhit | Uttar Pradesh | 602.80 | 127.45 | 730.25 | उत्तर प्रदेश |
| 47 | 2014 | Bor | Maharashtra | 138.12 | 678.15 | 816.27 | महाराष्ट्र |
| 48 | 2015 | Rajaji Tiger Reserve | Uttarakhand | 819.54 | 255.63 | 1075.17 | उत्तराखंड |
| 49 | 2016(24.2.2016) | Orang | Assam | 79.28 | 413.18 | 492.46 | असम |
| 50 | 2016 (8.9.2016) | Kamlang | Arunachal Pradesh | 671.00 | 112.00 | 783.00 | अरुणाचल प्रदेश |
| | | **TOTAL** | | **40145.30** | **32603.72** | **72749.05** | **कुल** |

*Source : National Tiger Conservation Authority, Ministry of Environment, Forest and Climate Change*

*स्रोत : राष्ट्रीय बाघ संरक्षण प्राधिकरण, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय*

*Revised area details are awaited from the State Governments concerned after reorganization.

** Notifed vide notification No. F. 15-21/2010/10-2 dated 24.7.2014 by the State Government of Madhya Pradesh (old area of the buffer was 1002.42 sq.km.)

| Statement 1.45 : Tiger mortality<br>विवरण 1.45 : बाघों की मृत्यु | | | | |
|---|---|---|---|---|
| Year<br>वर्ष | Major Groups<br>प्रमुख समूह | Poaching including seizure<br>पकड़ सहित अवैध शिकार | Cases under srcutiny<br>जांच के अधीन मामले | Total<br>कुल |
| 1999 | 9 | 24 | - | 33 |
| 2000 | 1 | 9 | - | 10 |
| 2001 | 8 | 36 | - | 44 |
| 2002 | 23 | 36 | - | 59 |
| 2003 | 24 | 20 | - | 44 |
| 2004 | 17 | 5 | - | 22 |
| 2005 | 17 | - | - | 17 |
| 2006 | 17 | 5 | - | 22 |
| 2007 | 20 | 10 | - | 30 |
| 2008 | 22 | 9 | - | 31 |
| 2009 | 45 | 21 | - | 66 |
| 2010 | 25 | 28 | - | 53 |
| 2011 | 40 | 16 | - | 56 |
| 2012 | 48 | 38 | 2 | 88 |
| 2013 | 35 | 29 | 4 | 68 |
| 2014 | 52 | 21 | 6 | 79 |
| 2015 | 56 | 21 | 4 | 81 |
| 2016 | 65 | 41 | 16 | 122 |
| 2017 | 36 | 28 | 51 | 115 |
| 2018 (as on 30.9.2018) | 10 | 10 | 57 | 77 |

*Source : National Tiger Conservation Authority, Ministry of Environment, Forest and Climate Change*

*स्रोतः राष्ट्रीय बाघ संरक्षण प्राधिकरण, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय*

**Statement 1.46 : State-wise forest area**

**विवरण 1.46 : राज्यवार वन क्षेत्र**

| Sl.No. क्र. सं. | State/UT | Total Forest Area in Sq.Km कुल वन क्षेत्र वर्ग किलोमीटर में | | | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2000 | 2002 | 2004 | 2006 | 2008-09 | 2010-11 | 2013-14 | 2015-16 | |
| 1 | Andhra Pradesh | 63814 | 63821 | 63821 | 63814 | 63814 | 63814 | 37258 | 37258 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 51540 | 51540 | 51540 | 51540 | 51540 | 51541 | 51407 | 51407 | अरुणाचल प्रदेश |
| 3 | Assam | 27018 | 27018 | 26832 | 26832 | 26832 | 26832 | 26832 | 26832 | असम |
| 4 | Bihar | 6078 | 6473 | 6473 | 6473 | 6473 | 6473 | 6493 | 6877 | बिहार |
| 5 | Chhattisgarh | 59285 | 59772 | 59772 | 59772 | 59772 | 59772 | 59772 | 59772 | छत्तीसगढ़ |
| 6 | Delhi | 85 | 85 | 85 | 85 | 85 | 85 | 102 | 102 | दिल्ली |
| 7 | Goa | 1224 | 1224 | 1224 | 1224 | 1224 | 1225 | 1225 | 1225 | गोवा |
| 8 | Gujarat | 18999 | 19113 | 18962 | 18927 | 18927 | 21647 | 21647 | 21647 | गुजरात |
| 9 | Haryana | 1551 | 1558 | 1559 | 1559 | 1559 | 1559 | 1559 | 1559 | हरियाणा |
| 10 | Himachal Pradesh | 37033 | 37033 | 37033 | 37033 | 37033 | 37033 | 37033 | 37033 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir # | 20230 | 20230 | 20230 | 20230 | 20230 | 20230 | 20230 | 20230 | जम्मू एवं कश्मीर# |
| 12 | Jharkhand | 23605 | 23605 | 23605 | 23605 | 23605 | 23605 | 23605 | 23605 | झारखंड |
| 13 | Karnataka | 38724 | 43084 | 38284 | 38284 | 38284 | 38284 | 38284 | 38284 | कनोटक |
| 14 | Kerala | 11221 | 11268 | 11265 | 11265 | 11265 | 11309 | 11309 | 11309 | केरल |
| 15 | Madhya Pradesh | 95221 | 95221 | 94689 | 94689 | 94689 | 94689 | 94689 | 94689 | मध्य प्रदेश |
| 16 | Maharashtra | 61939 | 61939 | 61939 | 61939 | 61939 | 61357 | 61579 | 61579 | महाराष्ट्र |
| 17 | Manipur | 17418 | 17418 | 17418 | 17418 | 17418 | 17418 | 17418 | 17418 | मणिपुर |
| 18 | Meghalaya | 9496 | 9496 | 9496 | 9496 | 9496 | 9496 | 9496 | 9496 | मेघालय |
| 19 | Mizoram | 15935 | 16717 | 16717 | 16717 | 16717 | 16717 | 5641 | 5641 | मिजोरम |
| 20 | Nagaland | 8629 | 8629 | 9222 | 9222 | 9222 | 9222 | 9222 | 8623 | नागालैंड |
| 21 | Odisha**$** | 58135 | 58136 | 58136 | 58136 | 58136 | 58136 | 58136 | 61204 | ओडिशा$ |
| 22 | Punjab | 3059 | 3084 | 3084 | 3058 | 3084 | 3084 | 3084 | 3084 | पंजाब |
| 23 | Rajasthan | 32494 | 32488 | 32488 | 32639 | 32639 | 32737 | 32737 | 32737 | राजस्थान |
| 24 | Sikkim | 5765 | 5841 | 5841 | 5841 | 5841 | 5841 | 5841 | 5841 | सिक्किम |
| 25 | Tamil Nadu | 22871 | 22877 | 22877 | 22877 | 22877 | 22877 | 22877 | 22877 | तमिलनाड् |
| 26 | Telangana* | | | | | | | 26904 | 26904 | तेलंगाना* |
| 27 | Tripura | 6293 | 6293 | 6294 | 6294 | 6294 | 6294 | 6294 | 6294 | त्रिपुरा |
| 28 | Uttar Pradesh | 16826 | 16826 | 16796 | 16583 | 16583 | 16583 | 16582 | 16582 | उत्तर प्रदेश |
| 29 | Uttarakhand | 34662 | 34662 | 34651 | 34651 | 34651 | 34651 | 38000 | 38000 | उत्तराखंड |
| 30 | West Bengal | 11879 | 11879 | 11879 | 11879 | 11879 | 11879 | 11879 | 11879 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | 7171 | 7171 | 7171 | 7171 | 7171 | 7171 | 7171 | 7171 | अंडमान एवं निकोबार दीपसमूह |
| 32 | Chandigarh | 32 | 34 | 33 | 34 | 34 | 35 | 35 | 35 | चंडीगढ़ |
| 33 | Dadra and Nagar Haveli | 203 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 1 | 1 | 6 | 8 | 8 | 8 | 8 | 8 | दमन एवं दीव |
| 35 | Lakshadweep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | लक्षद्वीप |
| 36 | Puducherry | 0 | 0 | 0 | 13 | 13 | 13 | 13 | 13 | पुद्दुचेरी |
| **Total** | | **768436** | **774740** | **769626** | **769512** | **769538** | **771821** | **764566** | **767419** | **कुल** |

***Source: India State Forest Report 2001 - 2017, FSI*** ***स्रोत: भारत वन स्थिति रिपोर्ट 2001- 2017***

* Included in Andhra Prardesh for 2000-2013.

$ - Reserved Forest(RF) in Odisha includes 9175 sq. km of proposed RF, Protected Forest (PF) includes 15117 sq. km revenueforest/deemed

# - Includes Jammu & Kashmir area outside LOC that is under illegal occupation of Pakistan and China.

**Statement 1.47 : Forest cover in India - classwise**

**विवरण 1.47 : भारत में वन आच्छादन - श्रेणीवार**

| Class | 2004 | | 2008-09 | | 2010-11 | | 2013-14 | | 2015-16 | | श्रेणी |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Area ( Sq. Km ) क्षेत्रफल (वर्ग कि.मी. में) | Percentage of Geographic Area भौगोलिक क्षेत्रफल का प्रतिशत | Area ( Sq. Km ) क्षेत्रफल (वर्ग कि.मी. में) | Percentage of Geographic Area भौगोलिक क्षेत्रफल का प्रतिशत | Area ( Sq. Km ) क्षेत्रफल (वर्ग कि.मी. में) | Percentage of Geographic Area भौगोलिक क्षेत्रफल का प्रतिशत | Area ( Sq. Km ) क्षेत्रफल (वर्ग कि.मी. में) | Percentage of Geographic Area भौगोलिक क्षेत्रफल का प्रतिशत | Area ( Sq. Km ) क्षेत्रफल (वर्ग कि.मी. में) | Percentage of Geographic Area भौगोलिक क्षेत्रफल का प्रतिशत | |
| **Forest Cover** | | | | | | | | | | | **वन आच्छादन** |
| Very Dense Forest | 54,569 | 1.66 | 83,471 | 2.54 | 83,502 | 2.54 | 85,904 | 2.61 | 98,158 | 2.99 | बहुत घना वन |
| Moderately Dense Forest | 3,32,647 | 10.12 | 3,20,736 | 9.76 | 3,18,745 | 9.70 | 3,15,374 | 9.59 | 3,08,318 | 9.38 | साधारण घना वन |
| Open Forest | 2,89,872 | 8.82 | 2,87,820 | 8.75 | 2,95,651 | 8.99 | 3,00,395 | 9.14 | 3,01,797 | 9.18 | खुला वन |
| **Total Forest Cover*** | 6,90,171 | 20.60 | 6,92,027 | 21.05 | 6,97,898 | 21.23 | 7,01,495 | 21.34 | 7,08,273 | 21.54 | **कुल वन आच्छादन*** |
| Scrub | 38,475 | 1.17 | 42,176 | 1.28 | 41,383 | 1.26 | 41,362 | 1.26 | 45,979 | 1.40 | झाड़ी |
| Non-forest | 25,71,700 | 78.23 | 25,53,060 | 77.67 | 25,47,982 | 77.51 | 25,44,228 | 77.40 | 25,33,217 | 77.06 | गैर वन |
| **Total Geographic Area** | **32,87,263** | **100.00** | **32,87,263** | **100.00** | **32,87,263** | **100.00** | **32,87,263** | **100.00** | **32,87,469** | **100.00** | **कुल भौगोलिक क्षेत्रफल** |

*Source : India State of Forest Report 2005-2017, FSI स्रोत : भारत वन स्थिति रिपोर्ट 2005-2017*

*Includes 4,921 sq km under Mangrove Cover Percentage rounded off.

**Statement 1.48 : State-wise forest cover**

**विवरण 1.48 : राज्यवार वन आच्छादन** **( Sq.Km) (वर्ग कि.मी.)**

| Sl. No. क्र. सं. | State/UT | 2000 | 2002 | 2004 | 2006 | 2008-09 | 2010-11 | 2013-14 | 2015-16 | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 44637 | 44419 | 45231 | 46670 | 46389 | 46116 | 26006 | 28147 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 68045 | 68019 | 67472 | 67484 | 67410 | 67321 | 67154 | 66964 | अरुणाचल प्रदेश |
| 3 | Assam | 27714 | 27826 | 27758 | 27692 | 27673 | 27671 | 27538 | 28105 | असम |
| 4 | Bihar | 5720 | 5558 | 6807 | 6804 | 6845 | 7291 | 7254 | 7299 | बिहार |
| 5 | Chhattisgarh | 56448 | 55998 | 55929 | 55678 | 55674 | 55621 | 55559 | 55547 | छत्तीसगढ़ |
| 6 | Delhi | 111 | 170 | 177 | 177 | 176 | 180 | 188.77 | 192.41 | दिल्ली |
| 7 | Goa | 2095 | 2156 | 2156 | 2212 | 2219 | 2219 | 2210 | 2229 | गोवा |
| 8 | Gujarat | 15152 | 14946 | 14604 | 14620 | 14619 | 14653 | 14710 | 14757 | गुजरात |
| 9 | Haryana | 1754 | 1517 | 1604 | 1594 | 1608 | 1586 | 1580 | 1588 | हरियाणा |
| 10 | Himachal Pradesh | 14360 | 14353 | 14666 | 14668 | 14679 | 14683 | 14707 | 15100 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 21237 | 21267 | 22689 | 22537 | 22539 | 22538 | 22988 | 23241 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 22637 | 22716 | 22722 | 22894 | 22977 | 23473 | 23524 | 23553 | झारखंड |
| 13 | Karnataka | 36991 | 36449 | 36200 | 36190 | 36194 | 36132 | 36449 | 37550 | कर्नाटक |
| 14 | Kerala | 15560 | 15577 | 17284 | 17324 | 17300 | 17922 | 19278 | 20321 | केरल |
| 15 | Madhya Pradesh | 77265 | 76429 | 77739 | 77700 | 77700 | 77522 | 77426 | 77414 | मध्य प्रदेश |
| 16 | Maharashtra | 47482 | 46865 | 50661 | 50650 | 50646 | 50632 | 50699 | 50682 | महाराष्ट्र |
| 17 | Manipur | 16926 | 17219 | 16952 | 17280 | 17090 | 16990 | 17083 | 17346 | मणिपुर |
| 18 | Meghalaya | 15584 | 16839 | 17205 | 17321 | 17275 | 17288 | 17262 | 17146 | मेघालय |
| 19 | Mizoram | 17494 | 18430 | 18600 | 19183 | 19117 | 19054 | 18717 | 18186 | मिजोरम |
| 20 | Nagaland | 13345 | 13609 | 13665 | 13464 | 13318 | 13044 | 12939 | 12489 | नागालैंड |
| 21 | Odisha | 48838 | 48366 | 48755 | 48855 | 48903 | 50347 | 50460 | 51345 | ओडिशा |
| 22 | Punjab | 2432 | 1580 | 1660 | 1664 | 1764 | 1772 | 1771 | 1837 | पंजाब |
| 23 | Rajasthan | 16367 | 15826 | 16012 | 16036 | 16087 | 16086 | 16106 | 16572 | राजस्थान |
| 24 | Sikkim | 3193 | 3262 | 3357 | 3359 | 3359 | 3358 | 3353 | 3344 | सिक्किम |
| 25 | Tamil Nadu | 21482 | 22643 | 23314 | 23551 | 23625 | 23844 | 26208 | 26281 | तमिलनाडु |
| 26 | Telangana$ | | | | | | | 19854 | 20419 | तेलंगाना$ |
| 27 | Tripura | 7065 | 8093 | 8173 | 7985 | 7977 | 7866 | 7890 | 7726 | त्रिपुरा |
| 28 | Uttar Pradesh | 13746 | 14118 | 14346 | 14341 | 14338 | 14349 | 14401 | 14679 | उत्तर प्रदेश |
| 29 | Uttarakhand | 23938 | 24465 | 24493 | 24495 | 24496 | 24508 | 24272 | 24295 | उत्तराखंड |
| 30 | West Bengal | 10693 | 12343 | 12970 | 12994 | 12995 | 16805 | 16826 | 16847 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | 6930 | 6964 | 6663 | 6662 | 6724 | 6711 | 6751 | 6742 | अंडमान एवं निकोबार दीपसमूह |
| 32 | Chandigarh | 9 | 15 | 17 | 17 | 17 | 17 | 21.66 | 21.56 | चंडीगढ़ |
| 33 | Dadra and Nagar Haveli | 219 | 225 | 216 | 211 | 211 | 213 | 206 | 207 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 6 | 8 | 6 | 6 | 6 | 9 | 19.61 | 20.49 | दमन एवं दीव |
| 35 | Lakshadweep | 27 | 23 | 26 | 26 | 27 | 27 | 27.06 | 27.1 | लक्षद्वीप |
| 36 | Puducherry | 36 | 40 | 42 | 50 | 50 | 50 | 56.95 | 53.67 | पुद्दुचेरी |
| **Total** | | **675538** | **678333** | **690171** | **692394** | **692027** | **697898** | **701495** | **708273** | **कुल** |
| **% of Geographical Area** | | **20.55** | **20.64** | **20.99** | **21.06** | **21.05** | **21.23** | **21.34** | **21.54** | **भौगोलिक क्षेत्रफल का प्रतिशत** |

***Source : India State of Forest Report- 2001-2017, FSI*** स्रोत : भारत वन स्थिति रिपोर्ट 1991-2017

$ Included in Andhra Prardesh for 2000-2013.

**Note**: The forest cover includes all lands which have a tree canopy density of more than ten percent when projected vertically on the horizontal ground, within a minimum areal extent of one hectare. The forest cover reported by FSI does not make any distinction between the origin of tree crops ( whether natural or man made) or tree species; and encompasses all type of lands irrespective of their ownership, land use and legal status. A land may be recorded as forest area and under management of forest department but may not have any discernible forest cover. On the other hand, all wooded lands or plantations, delineated as forest cover from satellite data may not be legally recorded as forest area as there could be private plantations or institutional wood lots.

**Statement 1.49: Tree Cover in India**

**विवरण 1.49 : भारत में वृक्षाच्छादन**

**(a) State-wise tree cover**

**(क) राज्यवार वृक्षाच्छादन**

**( Sq.Km) (वर्ग कि.मी.)**

| Sl. No. क्र. सं. | State/UT | 2000 | 2002 | 2004 | 2006 | 2008-09 | 2010-11 | 2013-14 | 2015-16 | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 9011 | 12120 | 7640 | 7191 | 7152 | 7187 | 3965 | 3753 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 478 | 363 | 446 | 592 | 549 | 660 | 761 | 807 | अरुणाचल प्रदेश |
| 3 | Assam | 1942 | 935 | 1484 | 1590 | 1564 | 1582 | 1613 | 1496 | असम |
| 4 | Bihar | 3693 | 1620 | 2522 | 2495 | 2369 | 2164 | 2182 | 2263 | बिहार |
| 5 | Chhattisgarh | 3535 | 6723 | 4492 | 4027 | 3866 | 3463 | 3629 | 3833 | छत्तीसगढ़ |
| 6 | Delhi | 40 | 98 | 107 | 123 | 120 | 118 | 111 | 113 | दिल्ली |
| 7 | Goa | 62 | 136 | 268 | 286 | 286 | 334 | 325 | 323 | गोवा |
| 8 | Gujarat | 4036 | 10586 | 7621 | 8390 | 7837 | 8358 | 7914 | 8024 | गुजरात |
| 9 | Haryana | 1526 | 1415 | 1565 | 1409 | 1395 | 1282 | 1355 | 1415 | हरियाणा |
| 10 | Himachal Pradesh | 397 | 491 | 709 | 638 | 623 | 697 | 757 | 822 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir* | 2217 | 3826 | 5633 | 6764 | 6550 | 7664 | 8354 | 7815 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 2694 | 5012 | 3080 | 3032 | 2914 | 2629 | 2783 | 2922 | झारखंड |
| 13 | Karnataka | 7446 | 5371 | 5467 | 5683 | 5733 | 5920 | 5552 | 5713 | कर्नाटक |
| 14 | Kerala | 1146 | 1903 | 2632 | 2801 | 2755 | 3146 | 2951 | 2959 | केरल |
| 15 | Madhya Pradesh | 5751 | 7250 | 6267 | 6871 | 7090 | 7087 | 7773 | 8073 | मध्य प्रदेश |
| 16 | Maharashtra | 8269 | 9320 | 8978 | 9466 | 9079 | 9142 | 9558 | 9831 | महाराष्ट्र |
| 17 | Manipur | 95 | 136 | 142 | 197 | 193 | 224 | 243 | 220 | मणिपुर |
| 18 | Meghalaya | 140 | 352 | 405 | 542 | 578 | 668 | 710 | 657 | मेघालय |
| 19 | Mizoram | 95 | 130 | 122 | 172 | 190 | 223 | 535 | 467 | मिजोरम |
| 20 | Nagaland | 70 | 217 | 238 | 300 | 322 | 372 | 381 | 379 | नागालैंड |
| 21 | Odisha | 4364 | 6381 | 4598 | 4435 | 4301 | 4013 | 3986 | 3993 | ओडिशा |
| 22 | Punjab | 1634 | 1608 | 1823 | 1699 | 1699 | 1499 | 1544 | 1622 | पंजाब |
| 23 | Rajasthan | 5286 | 8638 | 8379 | 8274 | 8272 | 7860 | 8269 | 8266 | राजस्थान |
| 24 | Sikkim | 14 | 22 | 27 | 20 | 25 | 31 | 35 | 35 | सिक्किम |
| 25 | Tamil Nadu | 6054 | 4991 | 5621 | 4968 | 4718 | 4866 | 4505 | 4671 | तमिलनाडु |
| 26 | Telangana | | | | | | | 2549 | 2669 | तेलंगाना |
| 27 | Tripura | 68 | 116 | 134 | 171 | 184 | 213 | 233 | 215 | त्रिपुरा |
| 28 | Uttar Pradesh | 7545 | 7715 | 8203 | 7381 | 7382 | 6895 | 7044 | 7442 | उत्तर प्रदेश |
| 29 | Uttarakhand | 448 | 571 | 658 | 665 | 642 | 703 | 752 | 767 | उत्तराखंड |
| 30 | West Bengal | 3264 | 1731 | 2269 | 2458 | 2335 | 2144 | 2088 | 2136 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | 83 | 33 | 53 | 44 | 39 | 41 | 37 | 35 | अंडमान एवं निकोबार दीपसमूह |
| 32 | Chandigarh | 2 | 8 | 9 | 11 | 10 | 10 | 9 | 10 | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | 27 | 35 | 28 | 27 | 29 | 29 | 28 | 30 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 4 | 6 | 9 | 9 | 9 | 9 | 10 | 10 | दमन एवं दीव |
| 35 | Lakshadweep | 0 | 2 | 4 | 4 | 5 | 5 | 4 | 2 | लक्षद्वीप |
| 36 | Puducherry | 35 | 35 | 42 | 34 | 31 | 29 | 27 | 27 | पुद्दुचेरी |
| **Total** | | **81472** | **99896** | **91663** | **92769** | **90844** | **91267** | **92571** | **93815** | **कुल** |
| **Percent of Geographical Area** | | **2.48** | **3.04** | **2.79** | **2.82** | **2.76** | **2.78** | **2.82** | **2.85** | **भौगोलिक क्षेत्र का प्रतिशत** |

Source : India State of Forest Report - 2001-2017, FSI स्रोत : भारत वन स्थिति रिपोर्ट 2001-2017

* Includes Jammu & Kashmir area outside LoC that is under illegal occupation of Pakistan and China.

## Statement 1.49: Tree Cover in India
## विवरण 1.49 : भारत में वृक्षाच्छादन
### (b) Physiographic zone-wise tree cover
### (ख) प्राकृतिक भौगोलिक अंचलवार वृक्षाच्छादन

| Sl. No. क्र. सं. | Physiographic Zone | Geographic Area ($Km^2$) भौगोलिक क्षेत्रफल (वर्ग कि.मी) | Year | | | | | | | | प्राकृतिक भौगोलिक अंचल |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2008-09 | | 2010-11 | | 2013-14 | | 2015-16 | | |
| | | | Area ($Km^2$) क्षेत्रफल (वर्ग कि.मी) | % of Geog. Area भौगोलिक क्षेत्रफल का प्रतिशत | Area ($Km^2$) क्षेत्रफल (वर्ग कि.मी) | % of Geog. Area भौगोलिक क्षेत्रफल का प्रतिशत | Area ($Km^2$) क्षेत्रफल (वर्ग कि.मी) | % of Geog. Area भौगोलिक क्षेत्रफल का प्रतिशत | Area ($Km^2$) क्षेत्रफल (वर्ग कि.मी) | % of Geog. Area भौगोलिकक्षेत्रफल का प्रतिशत | |
| 1 | Western Himalayas | 328952 | 7859 | 2.39 | 9035 | 2.74 | 9835.0 | 2.99 | 9393 | 2.86 | पश्चिमी हिमालय |
| 2 | Eastern Himalayas | 81752 | 356 | 0.44 | 448 | 0.60 | 537.0 | 0.66 | 610 | 0.75 | पूर्वी हिमालय |
| 3 | North East Ranges | 127857 | 2275 | 1.78 | 2655 | 1.98 | 3132.0 | 2.45 | 2792 | 2.18 | पूर्वोत्तर की पहाड़ियां |
| 4 | Northern Plains | 295909 | 9366 | 3.17 | 8609 | 2.91 | 8756.0 | 2.96 | 9196 | 3.11 | उत्तरी मैदान |
| 5 | Eastern Plains | 222365 | 5168 | 2.32 | 4722 | 2.11 | 4628.0 | 2.08 | 4759 | 2.14 | पूर्वी मैदान |
| 6 | Western Plains | 320507 | 7038 | 2.20 | 6245 | 1.96 | 6297.0 | 1.96 | 6352 | 1.98 | पश्चिमी मैदान |
| 7 | Central Highlands | 371281 | 9886 | 2.66 | 10127 | 2.71 | 11004.0 | 2.96 | 11534 | 3.11 | मध्य पहाड़ी मैदान |
| 8 | North Deccan | 365711 | 7007 | 1.92 | 6762 | 1.90 | 7912.0 | 2.16 | 7994 | 2.19 | उत्तरी डेक्कन |
| 9 | East Deccan | 333824 | 10718 | 3.21 | 9644 | 2.87 | 10120.0 | 3.03 | 10663 | 3.19 | पूर्वी डेक्कन |
| 10 | South Deccan | 291317 | 8012 | 2.75 | 8244 | 2.82 | 7531.0 | 2.59 | 7857 | 2.70 | दक्षिणी डेक्कन |
| 11 | Western Ghats | 73681 | 4083 | 5.54 | 4189 | 5.79 | 3678.0 | 4.99 | 4109 | 5.58 | पश्चिमी घाट |
| 12 | Eastern Ghats | 192068 | 4420 | 2.30 | 4194 | 2.19 | 4041.0 | 2.10 | 3936 | 2.05 | पूर्वी घाट |
| 13 | West Coast | 113611 | 8863 | 7.80 | 10391 | 8.57 | 9744.0 | 8.58 | 9445 | 8.31 | पश्चिमी तट |
| 14 | East Coast | 168634 | 5791 | 3.43 | 6001 | 3.58 | 5358.0 | 3.18 | 5175 | 3.07 | पूर्वी तट |
| **Total** | | **3287469** | **90844** | **2.76** | **91266** | **2.78** | **92573.0** | **2.82** | **93815** | **2.85** | **कुल** |

*Source : India State of Forest Report- 2001 - 2017, Forest Survey of India/ स्रोत : भारत वन स्थिति रिपोर्ट 2001 - 2017, भारतीय वन सर्वेक्षण*

**Statement 1.50: State-wise mangrove cover**

**विवरण 1.50 : राज्यवार मैनग्रोव आच्छादन**

**(Sq. km) (वर्ग किलोमीटर)**

| Sl No. क्र. सं. | State/UT | Year | | | | | | | | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1987-89 | 1989-91 | 1991-93 | 1993-95 | 1996-98 | 2000 | 2002 | 2004 | 2006 | 2008-09 | 2010-11 | 2013-14 | 2015-16 | |
| 1 | Andhra Pradesh | 399 | 378 | 383 | 383 | 397 | 333 | 329 | 354 | 353 | 352 | 352 | 367 | 404 | आंध्र प्रदेश |
| 2 | Goa | 3 | 3 | 3 | 5 | 5 | 5 | 16 | 16 | 17 | 22 | 22 | 26 | 26 | गोवा |
| 3 | Gujarat | 397 | 419 | 689 | 901 | 1031 | 911 | 916 | 991 | 1046 | 1058 | 1103 | 1107 | 1140 | गुजरात |
| 4 | Karnataka | 0 | 0 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 10 | कर्नाटक |
| 5 | Kerala | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 5 | 6 | 6 | 9 | 9 | केरल |
| 6 | Maharashtra | 113 | 155 | 155 | 124 | 108 | 118 | 158 | 186 | 186 | 186 | 186 | 222 | 304 | महाराष्ट्र |
| 7 | Odisha | 195 | 195 | 195 | 211 | 215 | 219 | 203 | 217 | 221 | 222 | 213 | 231 | 243 | ओडिशा |
| 8 | Tamil Nadu | 47 | 21 | 21 | 21 | 21 | 23 | 35 | 36 | 39 | 39 | 39 | 47 | 49 | तमिलनाडु |
| 9 | West Bengal | 2119 | 2119 | 2119 | 2123 | 2125 | 2081 | 2120 | 2136 | 2152 | 2155 | 2097 | 2106 | 2114 | पश्चिम बंगाल |
| 10 | Andaman And Nicobar Island | 971 | 966 | 966 | 966 | 966 | 789 | 658 | 635 | 615 | 617 | 604 | 617 | 617 | अंडमान एवं निकोबार द्वीपसमूह |
| 11 | Daman & Diu | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1.56 | 1.63 | 3 | 3 | दमन एवं दीव |
| 12 | Puducherry | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | पुद्दुचेरी |
| **Total** | | **4244** | **4256** | **4533** | **4737** | **4871** | **4482** | **4448** | **4581** | **4639** | **4663** | **4628** | **4740** | **4921** | **कुल** |

Source: India State of Forest Report, 1991- 2017, FSI स्रोत: भारत वन स्थिति रिपोर्ट |

**Statement 1.51 : Number of incidence of Forest Fire**

**विवरण 1.51 : वनाग्नि की घटनाओं की संख्या**

| STATE | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2013 | 2014 | 2015 | 2016 | 2017 | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Andhra Pradesh | 1108 | 1569 | 1931 | 1454 | 2442 | 1837 | 1119 | 2559 | 2143 | 2458 | 1075 | 1699 | 1877 | आंध्र प्रदेश |
| Arunachal Pradesh | 97 | 514 | 635 | 349 | 786 | 576 | 485 | 560 | 501 | 535 | 358 | 293 | 733 | अरुणाचल प्रदेश |
| Assam | 213 | 1369 | 902 | 1020 | 1901 | 2511 | 1321 | 2172 | 1608 | 2536 | 1656 | 1766 | 1887 | असम |
| Bihar | 67 | 126 | 84 | 84 | 143 | 397 | 81 | 196 | 273 | 140 | 45 | 321 | 272 | बिहार |
| Chhattisgarh | 789 | 848 | 1762 | 1389 | 0 | 2835 | 1074 | 3448 | 1530 | 1018 | 1272 | 2808 | 4373 | छत्तीसगढ़ |
| Delhi | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 5 | दिल्ली |
| Goa | 6 | 9 | 1 | 0 | 2 | 0 | 3 | 0 | 4 | 3 | 0 | 10 | 32 | गोवा |
| Gujarat | 140 | 208 | 100 | 131 | 182 | 179 | 101 | 146 | 179 | 74 | 117 | 262 | 574 | गुजरात |
| Haryana | 7 | 11 | 14 | 75 | 21 | 29 | 5 | 42 | 5 | 5 | 6 | 43 | 185 | हरियाणा |
| Himachal Pradesh | 9 | 12 | 48 | 104 | 168 | 125 | 6 | 249 | 34 | 32 | 22 | 199 | 170 | हिमाचल प्रदेश |
| Jammu & Kashmir | 29 | 81 | 92 | 54 | 117 | 30 | 7 | 127 | 23 | 74 | 13 | 217 | 113 | जम्मू एवं कश्मीर |
| Jharkhand | 151 | 548 | 140 | 394 | 430 | 1314 | 192 | 307 | 554 | 202 | 457 | 740 | 1133 | झारखंड |
| Karnataka | 417 | 631 | 414 | 275 | 604 | 428 | 370 | 724 | 606 | 424 | 295 | 831 | 1333 | कर्नाटक |
| Kerala | 90 | 51 | 130 | 19 | 166 | 106 | 10 | 223 | 98 | 114 | 91 | 165 | 456 | केरल |
| Madhya Pradesh | 901 | 1101 | 871 | 2705 | 2894 | 2386 | 1451 | 3076 | 753 | 534 | 294 | 2675 | 4781 | मध्य प्रदेश |
| Maharashtra | 534 | 1009 | 1243 | 1426 | 2257 | 1789 | 882 | 3329 | 1433 | 702 | 721 | 1874 | 3487 | महाराष्ट्र |
| Manipur | 295 | 1666 | 1223 | 1415 | 1477 | 2487 | 1275 | 1507 | 1303 | 1774 | 1286 | 1105 | 1094 | मणिपुर |
| Meghalaya | 69 | 1285 | 504 | 699 | 1010 | 1743 | 879 | 911 | 804 | 1123 | 1373 | 966 | 1454 | मेघालय |
| Mizoram | 1513 | 4479 | 2733 | 2095 | 3434 | 4675 | 1691 | 2218 | 2259 | 2189 | 2468 | 1318 | 1587 | मिजोरम |
| Nagaland | 131 | 1200 | 851 | 568 | 984 | 1654 | 919 | 927 | 846 | 886 | 722 | 678 | 930 | नागालैंड |
| Odisha | 1127 | 1646 | 1587 | 1184 | 2087 | 2515 | 780 | 3022 | 2221 | 1904 | 1467 | 2763 | 4416 | ओडिशा |
| Punjab | 21 | 33 | 18 | 147 | 41 | 56 | 10 | 83 | 36 | 20 | 7 | 45 | 320 | पंजाब |
| Rajasthan | 14 | 47 | 53 | 118 | 96 | 117 | 87 | 83 | 75 | 53 | 90 | 66 | 260 | राजस्थान |
| Sikkim | 0 | 7 | 0 | 0 | 1 | 5 | 1 | 3 | 0 | 0 | 3 | 0 | 8 | सिक्किम |
| Tamil Nadu | 193 | 109 | 123 | 40 | 276 | 148 | 34 | 262 | 89 | 284 | 95 | 113 | 301 | तमिलनाडु |
| Telangana | | | | | | | | | | | 1052 | 1154 | 1748 | तेलंगाना |
| Tripura | 324 | 1421 | 788 | 358 | 717 | 1127 | 634 | 1233 | 588 | 1160 | 476 | 346 | 431 | त्रिपुरा |
| Uttar Pradesh | 235 | 253 | 305 | 379 | 370 | 737 | 198 | 560 | 237 | 218 | 130 | 691 | 1170 | उत्तर प्रदेश |
| Uttarakhand | 143 | 165 | 222 | 717 | 631 | 855 | 85 | 1265 | 119 | 379 | 207 | 1501 | 376 | उत्तराखंड |
| West Bengal | 31 | 168 | 6 | 62 | 100 | 224 | 197 | 117 | 118 | 116 | 138 | 142 | 364 | पश्चिम बंगाल |
| Andaman & Nicobar Island | 0 | 1 | 6 | 0 | 1 | 7 | 0 | 12 | 9 | 96 | 1 | 24 | 8 | अंडमान एवं निकोबार द्वीपसमूह |
| Chandigarh | 0 | 0 | 0 | 0 | 2849 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | चंडीगढ़ |
| Dadra & Nagar Haveli | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | दादरा एवं नगर हवेली |
| Daman & Diu | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | दमन एवं दीव |
| Lakshadweep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | लक्षद्वीप |
| Puducherry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | पुदुचेरी |
| **Total** | **8654** | **20567** | **16787** | **17264** | **26187** | **30892** | **13898** | **29362** | **18451** | **19054** | **15937** | **24817** | **35888** | **कुल** |

Source : Forest Survey of India स्रोत : भारतीय वन सर्वेक्षण

## Statement 1.52 (a) : State wise level of $SO_2$, $NO_2$, PM 10 and PM 2.5
## विवरण 1.52 (क): $SO_2$, $NO_2$, PM 10 और PM 2.5 का राज्यवार स्तर

| State | 2010 | | | | | 2012 | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of City शहरों की संख्या | No. of Location अवस्थानों की संख्या | $SO_2$ Annual average / वार्षिक औसत ($\mu g/m^3$) | $NO_2$ Annual average / वार्षिक औसत ($\mu g/m_3$) | $PM_{10}$ Annual average/ वार्षिक औसत ($\mu g/m^3$) | No. of City शहरों की संख्या | No. of Location अवस्थानों की संख्या | $SO_2$ Annual average/ वार्षिक औसत ($\mu g/m^3$) | $NO_2$ Annual average/ वार्षिक औसत ($\mu g/m_3$) | $PM_{10}$ Annual average/ वार्षिक औसत ($\mu g/m^3$) | |
| Andhra Pradesh | 14 | 31 | 5 | 17 | 73 | 14 | 31 | 7 | 18 | 72 | आंध्र प्रदेश |
| Arunachal Pradesh | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | अरुणाचल प्रदेश |
| Assam | 12 | 23 | 7 | 15 | 73 | 13 | 23 | 6 | 13 | 72 | असम |
| Bihar | 1 | 2 | 7 | 40 | 181 | 1 | 2 | 6 | 36 | 166 | बिहार |
| Chhattisgarh | 4 | 10 | 12 | 28 | 168 | 4 | 10 | 11 | 26 | 151 | छत्तीसगढ़ |
| Delhi | 1 | 9 | 5 | 55 | 261 | 1 | 10 | 5 | 59 | 237 | दिल्ली |
| Goa | 10 | 10 | 12 | 22 | 89 | 16 | 16 | 11 | 17 | 96 | गोवा |
| Gujarat | 7 | 19 | 15 | 23 | 85 | 7 | 20 | 15 | 26 | 94 | गुजरात |
| Haryana | 3 | 5 | 13 | 20 | 156 | 3 | 5 | 9 | 23 | 147 | हरियाणा |
| Himachal Pradesh | 7 | 14 | 3 | 15 | 89 | 10 | 20 | 2 | 14 | 99 | हिमाचल प्रदेश |
| Jammu & Kashmir | 1 | 3 | 7 | 15 | 115 | 1 | 3 | 6 | 12 | 119 | जम्मू एवं कश्मीर |
| Jharkhand | 7 | 10 | 23 | 39 | 191 | 7 | 10 | 23 | 41 | 173 | झारखंड |
| Karnataka | 9 | 19 | 12 | 26 | 92 | 17 | 29 | 9 | 20 | 83 | कर्नाटक |
| Kerala | 11 | 24 | 4 | 13 | 42 | 11 | 24 | 4 | 12 | | केरल |
| Madhya Pradesh | 10 | 25 | 11 | 17 | 122 | 10 | 27 | 14 | 22 | 128 | मध्य प्रदेश |
| Maharashtra | 21 | 65 | 18 | 31 | 101 | 24 | 77 | 17 | 33 | 105 | महाराष्ट्र |
| Manipur* | NA | NA | NA | NA | NA | 1 | 1 | | | | मणिपुर |
| Meghalaya | 4 | 5 | 18 | 10 | 93 | 4 | 5 | 9 | 11 | 73 | मेघालय |
| Mizoram | 1 | 3 | 2 | 6 | 42 | 4 | 11 | 2 | 7 | 54 | मिजोरम |
| Nagaland | 2 | 4 | 2 | 6 | 71 | 2 | 3 | 2 | 6 | 86 | नागालैंड |
| Odisha | 9 | 16 | 4 | 15 | 82 | 10 | 23 | 4 | 17 | 82 | ओडिशा |
| Punjab | 10 | 23 | 8 | 26 | 179 | 11 | 24 | 10 | 27 | 162 | पंजाब |
| Rajasthan | 5 | 21 | 7 | 30 | 166 | 5 | 21 | 8 | 34 | 173 | राजस्थान |
| Sikkim | NA | NA | NA | NA | NA | 1 | 2 | | | | सिक्किम |
| Tamilnadu | 5 | 15 | 9 | 20 | 70 | 6 | 26 | 11 | 21 | 71 | तमिलनाड् |
| Telangana | @ | @ | @ | @ | @ | @ | @ | @ | @ | @ | तेलंगाना |
| Uttar Pradesh | 15 | 41 | 12 | 30 | 181 | 20 | 57 | 12 | 29 | 184 | उत्तर प्रदेश |
| Uttarakhand | 6 | 8 | 28 | 30 | 145 | 6 | 8 | 26 | 28 | 162 | उत्तराखंड |
| West Bengal | 10 | 39 | 10 | 64 | 110 | 9 | 39 | 12 | 58 | 137 | पश्चिम बंगाल |
| Chandigarh | 1 | 5 | 2 | 16 | 92 | 1 | 5 | 2 | 19 | 110 | चंडीगढ़ |
| Dadra & Nagar Haveli | 1 | 2 | 7 | 18 | 39 | 1 | 2 | 8 | 20 | | दादरा एवं नगर हवेली |
| Daman & Diu | 1 | 2 | 7 | 18 | 35 | 1 | 2 | 8 | 20 | | दमन एवं दीव |
| Lakshwadeep * | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | लक्षद्वीप |
| Puducherry | 1 | 3 | 6 | 13 | 38 | 1 | 3 | 8 | 14 | 42 | पुद्दुचेरी |

$SO_2$ : Sulphur dioxide $NO_2$ : Nitrogen Dioxide PM 10 - Particulate Matter (<10µm) NA- Data not available

@ - included in Andhra Pradesh for 2010 to 2014 PM 2.5 - Particulate Matter (<2.5µm)

Source : Central Pollution Control Board स्रोत : केन्द्रीय प्रदूषण नियंत्रण बोर्ड µg/m3 : Micrograms per metre cube

Note: Air Quality Data of Manipur & lakshdeep is not available because the Manipur & Lakshdeep are not carrying out gaseous monitoring. Therefore No data is available for NO2 & SO2.

**Statement 1.52 (b) : State wise level of $SO_2$, $NO_2$, PM10 and PM 2.5**

**विवरण 1.52 (ख) : $SO_2$, $NO_2$, PM10 और PM2.5 का राज्यवार स्तर**

| State | 2014 | | | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of city शहरों की संख्या | No of location अवस्थानों की संख्या | $SO_2$ (µg/m3) | | | $NO_2$ (µg/m3) | | | PM 10 (µg/m3) | | | PM 2.5 (µg/m3) | | | |
| | | | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | |
| Andhra Pradesh | 13 | 23 | 4 | 37 | 9 | 8 | 102 | 19 | 3 | 637 | 73 | | | | आंध्र प्रदेश |
| Arunachal Pradesh | 2 | 2 | 2 | 2 | 2 | 5 | 5 | 5 | 3 | 250 | 70 | | | | अरुणाचल प्रदेश |
| Assam | 13 | 22 | 2 | 26 | 7 | 5 | 39 | 14 | 12 | 478 | 74 | | | | असम |
| Bihar | 1 | 2 | 2 | 31 | 7 | 9 | 88 | 32 | 28 | 695 | 178 | | | | बिहार |
| Chhattisgarh | 4 | 8 | 3 | 18 | 11 | 13 | 56 | 23 | 38 | 391 | 128 | | | | छत्तीसगढ़ |
| Delhi | 1 | 10 | 2 | 28 | 5 | 11 | 209 | 62 | 21 | 841 | 217 | 14 | 232 | 80 | दिल्ली |
| Goa | 17 | 17 | 2 | 14 | 5 | 5 | 27 | 10 | 13 | 168 | 55 | 9 | 53 | 20 | गोवा |
| Gujarat | 7 | 19 | 9 | 26 | 14 | 12 | 26 | 20 | 53 | 120 | 87 | 10 | 55 | 30 | गुजरात |
| Haryana | 2 | 3 | 3 | 42 | 13 | 11 | 45 | 23 | 18 | 255 | 155 | | | | हरियाणा |
| Himachal Pradesh | 11 | 21 | 2 | 12 | 2 | 5 | 696 | 14 | 7 | 490 | 87 | | | | हिमाचल प्रदेश |
| Jammu & Kashmir | 1 | 3 | 2 | 23 | 5 | 5 | 23 | 13 | 46 | 198 | 123 | | | | जम्मू एवं कश्मीर |
| Jharkhand | 4 | 6 | 9 | 31 | 14 | 30 | 50 | 36 | 46 | 862 | 172 | | | | झारखंड |
| Karnataka | 16 | 26 | 2 | 33 | 8 | 5 | 83 | 19 | 3 | 902 | 91 | | | | कर्नाटक |
| Kerala | 11 | 24 | 2 | 75 | 4 | 5 | 36 | 13 | 7 | 279 | 55 | | | | केरल |
| Madhya Pradesh | 9 | 22 | 8 | 44 | 11 | 5 | 49 | 18 | 27 | 458 | 120 | 108 | 36 | 63 | मध्य प्रदेश |
| Maharashtra | 22 | 68 | 2 | 366 | 17 | 5 | 247 | 34 | 3 | 930 | 110 | | | | महाराष्ट्र |
| Manipur | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | मणिपुर |
| Meghalaya | 6 | 7 | 2 | 42 | 5 | 5 | 30 | 10 | 12 | 178 | 59 | | | | मेघालय |

**Statement 1.52 (b) : State wise level of $SO_2$, $NO_2$, PM10 and PM 2.5**

**विवरण 1.52 (ख) : $SO_2$, $NO_2$, PM10 और PM2.5 का राज्यवार स्तर**

| State | 2014 | | | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of city शहरों की संख्या | No of location अवस्थानों की संख्या | $SO_2$ (µg/m3) | | | $NO_2$ (µg/m3) | | | PM 10 (µg/m3) | | | PM 2.5 (µg/m3) | | | |
| | | | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | |
| Mizoram | 4 | 11 | 2 | 8 | 2 | 5 | 36 | 6 | 7 | 297 | 43 | | | | मिजोरम |
| Nagaland | 2 | 4 | 2 | 6 | 2 | 5 | 8 | 5 | 21 | 340 | 110 | | | | नागालैंड |
| Odisha | 14 | 32 | 2 | 29 | 5 | 5 | 52 | 17 | 9 | 551 | 88 | | | | ओडिशा |
| Punjab | 14 | 27 | 4 | 19 | 8 | 7 | 78 | 22 | 27 | 403 | 123 | | | | पंजाब |
| Rajasthan | 5 | 21 | 3 | 21 | 7 | 13 | 876 | 34 | 22 | 546 | 165 | | | | राजस्थान |
| Sikkim | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | सिक्किम |
| Tamil Nadu | 8 | 30 | 2 | 49 | 12 | 5 | 71 | 22 | 12 | 269 | 63 | | | | तमिलनाडु |
| Telangana | 12 | 25 | 2 | 33 | 5 | 5 | 134 | 21 | 3 | 341 | 83 | 108 | 36 | 44 | तेलंगाना |
| Uttar Pradesh | 17 | 50 | 2 | 92 | 11 | 5 | 106 | 28 | 11 | 717 | 173 | | | | उत्तर प्रदेश |
| Uttarakhand | 3 | 5 | 20 | 30 | 25 | 22 | 33 | 29 | 36 | 521 | 144 | | | | उत्तराखंड |
| West Bengal | 8 | 17 | 2 | 366 | 9 | 9 | 444 | 59 | 4 | 392 | 114 | | | | पश्चिम बंगाल |
| Chandigarh | 1 | 5 | 2 | 2 | 2 | 5 | 58 | 21 | 8 | 356 | 91 | | | | चंडीगढ़ |
| Dadra & Nagar Haveli | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | दादरा एवं नगर हवेली |
| Daman & Diu | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | दमन एवं दीव |
| Lakshwadeep | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | लक्षद्वीप |
| Puducherry | 2 | 6 | 2 | 33 | 11 | 5 | 31 | 12 | 9 | 110 | 39 | | | | पुद्दुचेरी |

$SO_2$ : Sulphur dioxide $NO_2$ : Nitrogen Dioxide PM 10 - Particulate Matter (<10µm) µg/m3 : Micrograms per metre cube

PM 2.5 - Particulate Matter (<2.5µm)

Source : Central Pollution Control Bc *Source : Central Pollution Control Board* स्रोत : केन्द्रीय प्रदूषण नियंत्रण बोर्ड

Note: Air Quality Data of Manipur & lakshdeep is not available because the Manipur & Lakshdeep are not carrying out gaseous monitoring. Therefore No data is available for NO2 & SO2.

**Statement 1.52 (b) : State wise level of $SO_2$, $NO_2$, PM 10 and PM 2.5**

**विवरण 1.52 (ख) : $SO_2$, $NO_2$, PM 10 और PM 2.5 का राज्यवार स्तर**

| State | 2016 | | | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of city शहरों की संख्या | No of location अवस्थानों की संख्या | $SO_2$ (µg/m3) | | | $NO_2$ (µg/m3) | | | $PM_{10}$ (µg/m3) | | | $PM_{2.5}$ (µg/m3) | | | |
| | | | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | |
| Andhra Pradesh | 15 | 25 | 4 | 18 | 7 | 9 | 144 | 23 | 19 | 193 | 76 | | | | आंध्र प्रदेश |
| Arunachal Pradesh | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | अरुणाचल प्रदेश |
| Assam | 13 | 23 | 3 | 31 | 7 | 7 | 35 | 16 | 11 | 392 | 84 | | | | असम |
| Bihar | 1 | 2 | 2 | 10 | 4 | 10 | 84 | 32 | 23 | 611 | 212 | | | | बिहार |
| Chhattisgarh | 4 | 8 | 4 | 17 | 10 | 13 | 40 | 24 | 9 | 212 | 111 | | | | छत्तीसगढ़ |
| Delhi | 1 | 9 | 2 | 42 | 7 | 5 | 270 | 67 | 24 | 772 | 276 | 46 | 25 | 109 | दिल्ली |
| Goa | 17 | 18 | 2 | 33 | 5 | 5 | 69 | 11 | 13 | 424 | 70 | 131 | 35 | 30 | गोवा |
| Gujarat | 7 | 21 | 6 | 31 | 13 | 8 | 50 | 25 | 51 | 210 | 101 | 62 | 24 | 32 | गुजरात |
| Haryana | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | हरियाणा |
| Himachal Pradesh | 11 | 22 | 2 | 11 | 2 | 5 | 43 | 13 | 10 | 380 | 80 | | | | हिमाचल प्रदेश |
| Jammu & Kashmir | 1 | 3 | 2 | 11 | 4 | 10 | 25 | 17 | 83 | 181 | 131 | | | | जम्मू एवं कश्मीर |
| Jharkhand | 7 | 10 | 9 | 70 | 22 | 17 | 108 | 38 | 50 | 402 | 181 | | | | झारखंड |
| Karnataka | 15 | 25 | 2 | 30 | 3 | 5 | 68 | 21 | 9 | 336 | 80 | 35 | 24 | 43 | कर्नाटक |
| Kerala | 11 | 24 | 2 | 19 | 4 | 5 | 91 | 16 | 7 | 232 | 47 | | | | केरल |
| Madhya Pradesh | 13 | 36 | 2 | 38 | 11 | 5 | 66 | 19 | 3 | 248 | 83 | 80 | 46 | 38 | मध्य प्रदेश |
| Maharashtra | 22 | 67 | 2 | 102 | 15 | 5 | 331 | 39 | 3 | 609 | 107 | | | | महाराष्ट्र |
| Manipur | | | | | | | | | 8.3333 | 95 | 29.461 | | | | मणिपुर |
| Meghalaya | 7 | 8 | 2 | 92 | 7 | 5 | 75 | 13 | 9 | 271 | 68 | | | | मेघालय |

**Statement 1.52 (b) : State wise level of $SO_2$, $NO_2$, PM 10 and PM 2.5**

**विवरण 1.52 (ख) : $SO_2$, $NO_2$, PM 10 और PM 2.5 का राज्यवार स्तर**

| State | 2016 | | | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of city शहरों की संख्या | No of location अवस्थानों की संख्या | $SO_2$ (µg/m3) | | | $NO_2$ (µg/m3) | | | $PM_{10}$ (µg/m3) | | | $PM_{2.5}$ (µg/m3) | | | |
| | | | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | |
| Mizoram | 4 | 11 | 2 | 3 | 2 | 5 | 31 | 6 | 4 | 343 | 44 | | | | मिजोरम |
| Nagaland | 2 | 4 | 2 | 2 | 2 | 5 | 30 | 8 | 15 | 297 | 105 | | | | नागालैंड |
| Odisha | 13 | 30 | 2 | 43 | 6 | 5 | 61 | 18 | 29 | 715 | 94 | 69 | 36 | 41 | ओडिशा |
| Punjab | 2 | 6 | 3 | 30 | 9 | 5 | 22 | 12 | 15 | 87 | 39 | | | | पंजाब |
| Rajasthan | 7 | 30 | 4 | 25 | 7 | 11 | 65 | 30 | 11 | 562 | 166 | | | | राजस्थान |
| Sikkim | 8 | 9 | 2 | 60 | 12 | 5 | 51 | 12 | 3 | 75 | 29 | | | | सिक्किम |
| Tamilnadu | 9 | 31 | 2 | 69 | 11 | 5 | 68 | 20 | 8 | 663 | 78 | 57 | 32 | 30 | तमिलनाडु |
| Telangana | 11 | 24 | 2 | 36 | 6 | 5 | 121 | 24 | 10 | 448 | 80 | 125 | 88 | 47 | तेलंगाना |
| Uttar Pradesh | 20 | 61 | 2 | 68 | 10 | 5 | 109 | 30 | 11 | 794 | 194 | | | | उत्तर प्रदेश |
| Uttarakhand | 3 | 5 | 20 | 30 | 25 | 24 | 35 | 29 | 38 | 501 | 171 | | | | उत्तराखंड |
| West Bengal | 9 | 36 | 2 | 45 | 9 | 5 | 273 | 46 | 3 | 441 | 135 | 0 | 0 | 68 | पश्चिम बंगाल |
| Chandigarh | 1 | 5 | 2 | 25 | 2 | 5 | 97 | 21 | 15 | 344 | 105 | 90 | 73 | 123 | चंडीगढ़ |
| Dadra & Nagar Haveli | 1 | 1 | 14 | 26 | 21 | 26 | 36 | 32 | 24 | 68 | 37 | 85 | 68 | 73 | दादरा एवं नगर हवेली |
| Daman & Diu | 1 | 1 | 12 | 25 | 19 | 22 | 35 | 29 | 20 | 68 | 34 | | | | दमन एवं दीव |
| Lakshwadeep | | | | | | | | | 7 | 59 | 30 | | | | लक्षद्वीप |
| Puducherry | 12 | 24 | 4 | 22 | 8 | 9 | 48 | 21 | 23 | 493 | 129 | | | | पुद्दुचेरी |

$SO_2$ : Sulphur dioxide $NO_2$ : Nitrogen Dioxide PM 10 - Particulate Matter (<10µm) µg/m3 : Micrograms per metre cube

PM 2.5 - Particulate Matter (<2.5µm)

Source : Central Pollution Control Bo *Source : Central Pollution Control Board* स्रोत : केन्द्रीय प्रदूषण नियंत्रण बोर्ड

Note: Air Quality Data of Manipur & lakshdeep is not available because the Manipur & Lakshdeep are not carrying out gaseous monitoring. Therefore No data is available for NO2 & SO2.

**Statement 1.52 (b) : State wise level of $SO_2$, $NO_2$, PM 10 and PM 2.5**

**विवरण 1.52 (ख) : $SO_2$, $NO_2$, PM 10 और PM 2.5 का राज्यवार स्तर**

| State | 2017 | | | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of city शहरों की संख्या | No of location अवस्थानों की संख्या | $SO_2$ (µg/m3) | | | $NO_2$ (µg/m3) | | | $PM_{10}$ (µg/m3) | | | $PM_{2.5}$ (µg/m3) | | | |
| | | | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | |
| Andhra Pradesh | 15 | 25 | 3 | 60 | 7 | 9 | 139 | 22 | 21 | 291 | 75 | - | - | - | आंध्र प्रदेश |
| Arunachal Pradesh | 2 | 2 | 2 | 17 | 3 | 5 | 17 | 7 | 4 | 190 | 69 | - | - | - | अरुणाचल प्रदेश |
| Assam | 13 | 24 | 2 | 24 | 7 | 7 | 32 | 15 | 15 | 345 | 78 | - | - | - | असम |
| Bihar | 7 | 8 | 2 | 28 | 9 | 10 | 71 | 26 | 20 | 534 | 116 | 9 | 108 | 78 | बिहार |
| Chhattisgarh | 5 | 12 | 4 | 21 | 9 | 13 | 40 | 22 | 22 | 221 | 85 | 30 | 52 | 45 | छत्तीसगढ़ |
| Delhi | 1 | 10 | 2 | 44 | 7 | 14 | 216 | 68 | 33 | 1141 | 241 | 13 | 227 | 101 | दिल्ली |
| Goa | 18 | 18 | 2 | 17 | 7 | 5 | 37 | 13 | 13 | 361 | 72 | 5 | 31 | 26 | गोवा |
| Gujarat | 7 | 24 | 7 | 53 | 15 | 9 | 85 | 26 | 72 | 486 | 113 | 8 | 44 | 37 | गुजरात |
| Haryana | 3 | 5 | 5 | 18 | 10 | 7 | 31 | 17 | 34 | 693 | 162 | - | - | - | हरियाणा |
| Himachal Pradesh | 14 | 25 | 2 | 8 | 2 | 5 | 38 | 12 | 10 | 344 | 78 | 4 | 38 | 30 | हिमाचल प्रदेश |
| Jammu & Kashmir | 1 | 3 | 2 | 6 | 4 | 8 | 27 | 18 | 52 | 220 | 149 | - | - | - | जम्मू एवं कश्मीर |
| Jharkhand | 7 | 10 | 11 | 43 | 21 | 16 | 56 | 38 | 36 | 370 | 178 | - | - | - | झारखंड |
| Karnataka | 18 | 30 | 2 | 24 | 3 | 5 | 62 | 21 | 3 | 358 | 79 | 5 | 28 | 37 | कर्नाटक |
| Kerala | 11 | 24 | 2 | 19 | 4 | 5 | 60 | 16 | 5 | 159 | 48 | - | - | - | केरल |
| Madhya Pradesh | 14 | 40 | 2 | 62 | 11 | 5 | 83 | 19 | 17 | 544 | 83 | 11 | 35 | 38 | मध्य प्रदेश |
| Maharashtra | 26 | 81 | 2 | 89 | 15 | 5 | 279 | 36 | 3 | 975 | 103 | 4 | 179 | 40 | महाराष्ट्र |
| Manipur | 1 | 1 | NA | NA | NA | NA | NA | NA | 13 | 75 | 29 | - | - | - | मणिपुर |
| Meghalaya | 7 | 10 | 2 | 49 | 5 | 5 | 40 | 12 | 12 | 256 | 59 | - | - | - | मेघालय |

**Statement 1.52 (b) : State wise level of $SO_2$, $NO_2$, PM 10 and PM 2.5**

**विवरण 1.52 (ख) : $SO_2$, $NO_2$, PM 10 और PM 2.5 का राज्यवार स्तर**

| State | 2017 | | | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of city शहरों की संख्या | No of location अवस्थानों की संख्या | $SO_2$ (µg/m3) | | | $NO_2$ (µg/m3) | | | $PM_{10}$ (µg/m3) | | | $PM_{2.5}$ (µg/m3) | | | |
| | | | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | Min. न्यूनतम | Max अधिकतम | Avg औसत | |
| Mizoram | 4 | 11 | 2 | 5 | 2 | 5 | 37 | 6 | 4 | 214 | 38 | - | - | - | मिजोरम |
| Nagaland | 2 | 4 | 2 | 2 | 2 | 5 | 30 | 7 | 19 | 326 | 126 | - | - | - | नागालैंड |
| Odisha | 14 | 38 | 2 | 52 | 6 | 5 | 54 | 18 | 23 | 339 | 95 | 10 | 25 | 41 | ओडिशा |
| Punjab | 14 | 28 | 2 | 23 | 8 | 8 | 127 | 21 | 3 | 554 | 142 | - | - | - | पंजाब |
| Rajasthan | 7 | 36 | 2 | 35 | 8 | 9 | 84 | 28 | 11 | 840 | 163 | - | - | - | राजस्थान |
| Sikkim | 8 | 9 | 2 | 14 | 6 | 5 | 12 | 5 | 3 | 98 | 33 | - | - | - | सिक्किम |
| Tamilnadu | 8 | 31 | 2 | 62 | 10 | 5 | 80 | 19 | 5 | 487 | 69 | 9 | 52 | 32 | तमिलनाडु |
| Telangana | 11 | 24 | 2 | 44 | 6 | 5 | 112 | 27 | 14 | 269 | 85 | 6 | 38 | 43 | तेलंगाना |
| Tripura | 1 | 2 | 16 | 37 | 23 | 6 | 48 | 17 | 19 | 112 | 62 | 14 | 43 | 40 | त्रिपुरा |
| Uttar Pradesh | 20 | 66 | 2 | 49 | 11 | 5 | 105 | 32 | 15 | 734 | 197 | 6 | 333 | 119 | उत्तर प्रदेश |
| Uttarakhand | 6 | 8 | 17 | 29 | 24 | 20 | 32 | 28 | 39 | 400 | 168 | - | - | - | उत्तराखंड |
| West Bengal | 36 | 77 | 2 | 275 | 7 | 5 | 171 | 37 | 3 | 695 | 105 | 11 | 28 | 55 | पश्चिम बंगाल |
| Chandigarh | 1 | 5 | 2 | 2 | 2 | 5 | 71 | 16 | 16 | 381 | 109 | 5 | 176 | 64 | चंडीगढ़ |
| Dadra & Nagar Haveli | 1 | 2 | 9 | 24 | 15 | 12 | 34 | 24 | 80 | 139 | 111 | 26 | 41 | 33 | दादरा एवं नगर हवेली |
| Daman & Diu | 1 | 2 | 9 | 19 | 14 | 12 | 44 | 24 | 73 | 140 | 106 | 21 | 39 | 32 | दमन एवं दीव |
| Lakshwadeep | 1 | 1 | NA | NA | NA | NA | NA | NA | 14 | 60 | 33 | - | - | - | लक्षद्वीप |
| Puducherry | 2 | 6 | 2 | 22 | 7 | 5 | 26 | 12 | 12 | 106 | 42 | - | - | - | पुद्दुचेरी |

Source : Central Pollution Control Board *Source : Central Pollution Control Board* स्रोत : केन्द्रीय प्रदूषण नियंत्रण बोर्ड

Note: " - " data not available NA : Not monitoring

2. Every State has multiple monitoring cities/locations, average value of all the cities/locations is used to indicate air quality of State. Presently, all cities of the State are not covered under the network, and averaging of some cities data under the State is not a scientifically sound approach. However, for the sake of simplicity this method is being followed.

## Statement 1.53: Ambient air quality in major cities
## विवरण 1.53 : प्रमुख शहरों में परिवेशी वायु की गुणवत्ता

### Sulphur dioxide सल्फर डाइऑक्साइड ($SO_2$) ( µg/m3)

| City | 2001 | 2002 | 2003 | 2004 | 2008 | 2009 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | शहर |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ahmedabad | 10 | 12.3 | 16 | 15.7 | 12.3 | 16 | 12 | 12 | 13 | 13 | 14 | 14 | अहमदाबाद |
| Bangalore | 20 | 13.4 | 12 | 8.5 | 15.2 | 14 | 14 | 13 | 13 | 6 | 3 | 2 | बंगलौर |
| Chennai | 17 | 19.9 | 15 | 12.2 | 9.5 | 9 | 12 | 14 | 13 | 13 | 10 | 9 | चेन्नई |
| Delhi | 13 | 11.3 | 10 | 9.89 | 6.6 | 6 | 5 | 4 | 5 | 5 | 7 | 7 | दिल्ली |
| Hyderabad | 10 | 7.27 | 6 | 5.63 | 5.5 | 5 | 4 | 5 | 5 | 4 | 4 | 6 | हैदराबाद |
| Kolkata | 18 | 11.4 | 17 | 9.33 | 7.7 | 11 | 12 | 11 | 9 | 7 | 4 | 6 | कोलकाता |
| Mumbai | 16 | 9.07 | 8 | 6.67 | 8.7 | 6 | 5 | 3 | 4 | 4 | 6 | 3 | मुंबई |

### Oxides of Nitrogen नाइट्रोजन के ऑक्साइड ($NO_2$) ( µg/m3)

| City | 2001 | 2002 | 2003 | 2004 | 2008 | 2009 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | शहर |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ahmedabad | 39 | 31.8 | 25 | 24.3 | 20.0 | 21 | 24 | 17 | 20 | 21 | 27 | 29 | अहमदाबाद |
| Bangalore | 23 | 25.5 | 35 | 51.8 | 40.8 | 37 | 28 | 26 | 30 | 20 | 31 | 31 | बंगलौर |
| Chennai | 18 | 18.4 | 26 | 16.8 | 15.4 | 17 | 21 | 22 | 22 | 20 | 18 | 17 | चेन्नई |
| Delhi | 37 | 37.3 | 42 | 46.1 | 56.7 | 19 | 59 | 66 | 61 | 65 | 66 | 68 | दिल्ली |
| Hyderabad | 31 | 25.5 | 26 | 30.3 | 26.2 | 23 | 28 | 24 | 24 | 23 | 27 | 28 | हैदराबाद |
| Kolkata | 74 | 81.7 | 71 | 59.7 | 64.0 | 68 | 70 | 70 | 70 | 56 | 49 | 41 | कोलकाता |
| Mumbai | 23 | 17.4 | 21 | 18.3 | 39.3 | 41 | 20 | 13 | 20 | 25 | 30 | 18 | मुंबई |

**Particulate Matter कणिकीय पदार्थ - PM10 (<10µm) (µg/m3)**

| City | 2001 | 2002 | 2003 | 2004 | 2008 | 2009 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | शहर |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ahmedabad | 198 | 169 | 154 | 152 | 88 | 94 | 83 | 79 | 84 | 89 | 108 | 120 | अहमदाबाद |
| Bangalore | 68 | 64.3 | 76 | 69 | 100 | 112 | 121 | 113 | 139 | 119 | 103 | 92 | बंगलौर |
| Chennai | 77.6 | 74.8 | 86 | 60 | 63 | 73 | 57 | 75 | 57 | 59 | 65 | 62 | चेन्नई |
| Delhi | 146 | 158 | 151 | 149 | 214 | 252 | 237 | 221 | 217 | 220 | 278 | 241 | दिल्ली |
| Hyderabad | 68.8 | 71 | 64 | 71 | 85 | 81 | 79 | 90 | 95 | 93 | 100 | 108 | हैदराबाद |
| Kolkata | 117 | 128 | 121 | 134 | 103 | 126 | 135 | 159 | 122 | 105 | 113 | 120 | कोलकाता |
| Mumbai | 67.2 | 68.7 | 70 | 78 | 127 | 117 | 117 | 117 | 96 | 107 | 119 | 151 | मुंबई |

*Source: Central . स्रोत: केन्द्रीय प्रदूषण नियंत्रण बोर्ड*

PM10 : Particulate matter size less than or equal to 10 µm

$SO_2$ : Sulphur dioxide $NO_2$ : Nitrogen Dioxide µg/m3 : Micrograms per metre cube

## Statement 1.54 : Water Quality in Indian Rivers
## विवरण 1.54 : भारतीय नदियों के पानी की गुणवत्ता

| Name of the River नदी का नाम | Length (Km) लंबाई (कि.मी) | | 2014 | 2015 | 2016 | 2017 | |
|---|---|---|---|---|---|---|---|
| Ganga गंगा | 2525 | No of Monitoring locations | 62 | 63 | 64 | 80 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 13 - 35 | 12 - 40 | 5 - 36 | 3 - 36 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.3-8.9 | 6.7-9.3 | 6.3-8.7 | 6.3 - 8.8 | पीएच |
| | | Conductivity (µmhos/cm) | 42 - 6320 | 153 - 6250 | 98 - 13370 | 81 - 7526 | सुचालकता (µmhos/cm) |
| | | DO(mg/l) | 2.8 - 11.1 | 2.9 - 11.6 | 2.5 - 10.6 | 3.6 - 11.3 | डीओ (mg/l) |
| | | BOD(mg/l) | <1 - 12 | <1- 16 | <1 - 12.2 | <1- 7.3 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 370 - 1300000 | 370 - 700000 | 220 - 300000 | 2 - 16000000 | कुल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 4 - 5000000 | 2 - 1400000 | 21 - 500000 | 2 - 16000000 | मलीय कॉलिफार्म (MPN/100 ml) |
| Yamuna यमुना | 1376 | No of Monitoring locations | 27 | 22 | 25 | 25 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 14 - 34 | 13 - 38 | 6 - 34 | 4 - 34 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.4 - 8.8 | 7.1-9.2 | 6.7 - 8.6 | 7 - 8.5 | पीएच |
| | | Conductivity (µmhos/cm) | 112 - 2860 | 147-2150 | 179 - 4060 | 173 - 3770 | सुचालकता (µmhos/cm) |
| | | DO(mg/l) | 0.3- 12.8 | NT - 15.5 | NT - 18 | NT -12 | डीओ (mg/l) |
| | | BOD(mg/l) | 1 -79 | <1 - 97 | <1- 67 | <1- 80 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 7-540000 | 2 -13000000 | 6 - 92000000 | 2 - 110000000 | कुल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 17-160000000 | 2 -17000000 | 2 - 160000000 | 2 - 140000000 | मलीय कॉलिफार्म (MPN/100 ml) |
| Mahi माही | 583 | No of Monitoring locations | 3 | 6 | 11 | 12 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 17-32 | 20-34 | 19-33 | 18 - 33 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 7.3-8.4 | 7.1-9.4 | 6.6 - 9 | 7.21 - 9.02 | पीएच |
| | | Conductivity (µmhos/cm) | 320-1013 | 234-773 | 28 - 2612 | 191 - 16660 | सुचालकता (µmhos/cm) |
| | | DO(mg/l) | 4.8-8 | 4.7-8.9 | 3 - 9.5 | 2.5 - 8.9 | डीओ (mg/l) |
| | | BOD(mg/l) | <1-2.1 | 1 - 5 | <1- 7.03 | <1- 2.8 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | | 4-58 | 2 - 49 | 2 - 40 | कुल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 4 - 300 | 4 - 300 | 7 - 300 | 4 - 140 | मलीय कॉलिफार्म (MPN/100 ml) |
| Tapi ताप्ती | 724 | No of Monitoring locations | 7 | 12 | 14 | 14 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 18-31 | 19-36 | 18 - 31 | 19.4 - 35 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 7.14 - 8.7 | 7.07 - 8.6 | 7.11 - 8.76 | 6.44 - 8.9 | पीएच |
| | | Conductivity (µmhos/cm) | 270-1575 | 153-42880 | 192 - 40650 | 192 - 43460 | सुचालकता (µmhos/cm) |
| | | DO(mg/l) | 4.1-7.8 | 2.1-7.7 | 2.4 - 8.8 | 1.2 - 9.8 | डीओ (mg/l) |
| | | BOD(mg/l) | <1 -9 | 1.0 -18 | <1 - 8 | <1 - 19 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 4-140 | 2 - 170 | 2 - 5420 | 2 - 542 | कुल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 50-920 | 2 - 2400 | 2 - 5420 | 15 - 900 | मलीय कॉलिफार्म (MPN/100 ml) |
| Narmada नर्मदा | 1312 | No of Monitoring locations | 17 | 18 | 26 | 27 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 18-34 | 18-32.8 | 18 - 32 | 17 - 36 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.9-9 | 6 - 8.6 | 7.03 - 8.8 | 6.9 - 8.9 | पीएच |
| | | Conductivity (µmhos/cm) | 12 - 693 | 96 - 817 | 91 - 4320 | 156 - 7580 | सुचालकता (µmhos/cm) |
| | | DO(mg/l) | 5.8 - 10.2 | 6.4 - 9.4 | 1.3 - 9.6 | 6.16 - 8.9 | डीओ (mg/l) |
| | | BOD(mg/l) | <1 - 14 | <1 - 9 | <1 - 8 | <1 - 3 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 2 - 75 | 2 - 28 | 2 - 1400 | 2 - 170 | कुल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 7 - 350 | 7 - 240 | 12 - 28000 | 2 - 1700 | मलीय कॉलिफार्म (MPN/100 ml) |
| Godavari गोदावरी | 1465 | No of Monitoring locations | 35 | 35 | 35 | 35 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 18-30 | 14-41 | 16 - 35 | 12 - 36 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.8-9.2 | 6.9-8.9 | 5.7 - 9 | 6.5 - 8.9 | पीएच |
| | | Conductivity (µmhos/cm) | 162 - 1703 | 141 - 1632 | 139 - 2404 | 145 - 1840 | सुचालकता (µmhos/cm) |
| | | DO(mg/l) | NT - 7.5 | 2.2 - 8.4 | 3.7 - 8.2 | NT - 8.6 | डीओ (mg/l) |
| | | BOD(mg/l) | <1 - 28 | <1 - 25 | 1 - 16 | 1.1 - 80 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 2 - 460 | 2 - 500 | 2 - 158 | 2 - 150 | कुल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 4 -2400 | 7 - 2400 | 7 - 3200 | 14 - 2400 | मलीय कॉलिफार्म (MPN/100 ml) |
| Krishna कृष्णा | 1401 | No of Monitoring locations | 24 | 24 | 24 | 24 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 20 - 34 | 19 - 41 | 18 - 41 | 17 - 36 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.6 - 9.1 | 6.7 - 9.3 | 6.2 - 8.7 | 6.8 - 8.8 | पीएच |
| | | Conductivity (µmhos/cm) | 78 - 33200 | 91 - 37400 | 72 - 34700 | 85 - 34100 | सुचालकता (µmhos/cm) |
| | | DO(mg/l) | 1.6 - 9.2 | 3.2 - 13.7 | 2.5 - 9.9 | 3.9 - 11.8 | डीओ (mg/l) |
| | | BOD(mg/l) | <1 - 14 | <1 - 12 | <1 - 14 | <1 - 9.5 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 2 - 1600 | 2 - 1700 | 2 - 1100 | 2 - 1800 | कुल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 60 - 2200 | 2 - 2400 | 10 - 9000 | 13 - 3200 | मलीय कॉलिफार्म (MPN/100 ml) |
| Cauvery कावेरी | 800 | No of Monitoring locations | 40 | 40 | 40 | 40 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 19-35 | 13-35 | 20-36 | 18 - 35 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.2-8.9 | 6.1-9.4 | 6.8 - 9.4 | 6.5 - 9.2 | पीएच |
| | | Conductivity (µmhos/cm) | 32 - 29600 | 30-26800 | 54 - 47600 | 40 - 78500 | सुचालकता (µmhos/cm) |
| | | DO(mg/l) | NT -10.8 | NT - 9.8 | 0.6 - 8.4 | NT - 9.6 | डीओ (mg/l) |
| | | BOD(mg/l) | <1 - 58 | <1- 25.1 | <1- 16.8 | <1- 32 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 26-28000000 | 45-22000 | 2 - 49000 | 40 - 27000 | कुल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 49-35000000 | 52-54000 | 14-79000 | 140 - 47000 | मलीय कॉलिफार्म (MPN/100 ml) |

| Name of the River नदी का नाम | Length (Km) लंबाई (कि.मी) | | 2014 | 2015 | 2016 | 2017 | |
|---|---|---|---|---|---|---|---|
| Mahanadi महानदी | 851 | No of Monitoring locations | 23 | 23 | 23 | 26 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 20-37 | 18-37.5 | 17-44 | 17 - 38 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.9-8.5 | 6.7-8.5 | 5.56-10 | 7.13 - 8.5 | पीएच |
| | | Conductivity (µmhos/cm) | 78 - 38730 | 140-33410 | 131 - 42170 | 27 - 41140 | सूचालकता (µmhos/cm) |
| | | DO(mg/l) | 4.5-11.5 | 4.6 - 9.8 | 4.2 - 10.3 | 5.1 - 9.6 | डीओ (mg/l) |
| | | BOD(mg/l) | <1- 3.9 | <1- 4.2 | <1- 8 | <1- 3.5 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 2-160000 | 20-160000 | 13 - 160000 | 2 - 160000 | कूल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 16-160000 | 22-160000 | 20 - 160000 | 2 - 160000 | मलीय कॉलिफार्म (MPN/100 ml) |
| Brahamani ब्रह्ममणि | 799 | No of Monitoring locations | 16 | 16 | 16 | 19 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 14 - 42 | 10 - 39 | 13 - 44 | 15 - 35 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.9-8.4 | 6.8-8.6 | 6.5-9 | 6.5 - 8.4 | पीएच |
| | | Conductivity (µmhos/cm) | 110-502 | 117-412 | 88 - 363 | 91 - 406 | सूचालकता (µmhos/cm) |
| | | DO(mg/l) | 5.2- 13.5 | 5.3-10.4 | 4 - 10.3 | 4.4 - 10.5 | डीओ (mg/l) |
| | | BOD(mg/l) | <1 - 5.5 | <1 -5.3 | <1 - 5.8 | <1 - 6 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 20-160000 | 20-160000 | 2 - 160000 | 2 - 160000 | कूल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 45-160000 | 78-160000 | 20 - 160000 | 20 - 160000 | मलीय कॉलिफार्म (MPN/100 ml) |
| Baitarni वैतरणी | 360 | No of Monitoring locations | 5 | 5 | 5 | 9 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 10-37 | 10-37 | 13 - 40 | 15 - 41 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.8-8.4 | 6.5-8.4 | 7.1 - 8.4 | 7.2 - 8.4 | पीएच |
| | | Conductivity (µmhos/cm) | 94-35200 | 107-34380 | 103 - 50910 | 77 - 43350 | सूचालकता (µmhos/cm) |
| | | DO(mg/l) | 4.8-9 | 5.1-9.2 | 5 - 8.8 | 4.9 - 9.1 | डीओ (mg/l) |
| | | BOD(mg/l) | <1 - 3 | <1 -2.9 | <1 - 2.7 | <1 - 2.8 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 45-160000 | 78-160000 | 45 - 24000 | 20 - 160000 | कूल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 45-160000 | 170-160000 | 230 - 160000 | 20 - 160000 | मलीय कॉलिफार्म (MPN/100 ml) |
| Subarnarekha सुवर्णरेखा | 395 | No of Monitoring locations | 1 | 6 | 11 | 11 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 17-30 | 15-35 | 16 - 42 | 14 - 41 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 7.6-8.4 | 6.8-8.4 | 6.4 - 8.5 | 6.5 - 8.3 | पीएच |
| | | Conductivity (µmhos/cm) | 133-320 | 172-402 | 123 - 411 | 154 - 402 | सूचालकता (µmhos/cm) |
| | | DO(mg/l) | 7.4-8.4 | 5-8.7 | 3 -8.8 | 2.5 - 8.6 | डीओ (mg/l) |
| | | BOD(mg/l) | <1- 2.9 | <1- 3.4 | <1- 8 | <1- 10 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 490-11000 | 78-3500 | 150 - 4900 | 130 - 16000 | कूल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 2200-17000 | 230-9200 | 490 - 7900 | 330 - 54000 | मलीय कॉलिफार्म (MPN/100 ml) |
| Brahmaputra ब्रह्मपुत्र | 916 | No of Monitoring locations | 10 | 10 | 10 | 11 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 15-33 | 16-38 | 14 - 34 | 17 - 32 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.2- 8 | 6.4-8.3 | 6.5 - 8.4 | 6.5 - 7.9 | पीएच |
| | | Conductivity (µmhos/cm) | 20 - 573 | 68 - 406 | 54 - 271 | 57 - 367 | सूचालकता (µmhos/cm) |
| | | DO(mg/l) | 3.8 - 11.4 | 4.4 - 9.8 | 4.7 - 10.5 | 3.6 - 10.5 | डीओ (mg/l) |
| | | BOD(mg/l) | <1- 3.4 | <1- 3.5 | <1- 4.8 | <1 - 6.4 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 2 - 110000 | 2 - 240000 | 2 - 4300 | 2 -7500 | कूल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 2 - 240000 | 2 - 240000 | 360 - 120000 | 2 - 110000 | मलीय कॉलिफार्म (MPN/100 ml) |
| Satluj सतलज | 1078 | No of Monitoring locations | 22 | 22 | 23 | 27 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 4-31 | 5 - 27 | 8 - 33 | 5 - 35 | तापमान (°C) (न्यूनतम-अधिकतम) |
| | | pH | 6.6 - 9.7 | 7 - 8.7 | 6 - 8.7 | 6.7 - 8.5 | पीएच |
| | | Conductivity (µmhos/cm) | 96 -1080 | 67 - 1096 | 125 - 894 | 92 - 1733 | सूचालकता (µmhos/cm) |
| | | DO(mg/l) | 2.4 - 11 | 2.1 - 10.1 | 1 - 10 | 1 - 10 | डीओ (mg/l) |
| | | BOD(mg/l) | <1 -15 | <1- 24 | <1- 43 | <1 - 108 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 13 - 46000 | 12 - 43000 | 6 - 21000 | 2 - 210000 | कूल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 46 - 75000 | 33 - 64000 | 94 - 63000 | 17 - 380000 | मलीय कॉलिफार्म (MPN/100 ml) |
| Beas ब्यास | 460 | No of Monitoring locations | 23 | 23 | 23 | 27 | निगरानी के अवस्थानों की संख्या |
| | | Temp.(°C) ( Min-Max) | 1 - 24 | 1.5 - 25 | 5 - 27 | 4 - 30 | तापमान (°C) (न्यनतम-अधिकतम) |
| | | pH | 6.8 - 9.1 | 6.7 - 9 | 6.5 - 8.7 | 6.6 - 8.7 | पीएच |
| | | Conductivity (µmhos/cm) | 41 - 488 | 60 - 607 | 59 - 502 | 27 - 548 | सूचालकता (µmhos/cm) |
| | | DO(mg/l) | 5.6 - 12.2 | 5.1 - 13 | 5 - 12.8 | 5.2 - 11.4 | डीओ (mg/l) |
| | | BOD(mg/l) | <1- 2.7 | <1- 10 | <1- 6 | <1- 2.6 | बीओडी (mg/l) |
| | | Total Coliform (MPN/100 ml) | 8 - 790 | 2-390 | 4 - 270 | 4 - 1700 | कूल कॉलिफार्म (MPN/100 ml) |
| | | Faecal Coliform (MPN/100 ml) | 23 - 1600 | 13 - 2400 | 46 - 790 | 58 -3500 | मलीय कॉलिफार्म (MPN/100 ml) |

BOD : Biological Oxygen Demand ; DO- Dissolved Oxygen.

(µmhos/cm) : Micromhos per centimeter; MPN: Most Probable Number

*Source: Central Pollution Control Board.* *स्रोत: केन्द्रीय प्रदूषण नियंत्रण बोर्ड*

**Statement 1.55 : State wise river water quality**

**विवरण 1.55 : नदियों के पानी की राज्यवार गुणवत्ता**

| Sl. No. क्र. सं. | STATE | Dissolved Oxygen (mg/l) | | pH | | Conductivity (µmho/ cm) | | Bio-chemical Oxygen Demand (mg/ l) | | Faecal Coliform (MPN/ 100 ml) | | Total Coliform (MPN/ 100 ml) | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Min न्यूनतम | Max अधिकतम | Min न्यूनतम | Max अधिकतम | Min न्यूनतम | Max अधिकतम | Min न्यूनतम | Max अधिकतम | Min न्यूनतम | Max अधिकतम | Min न्यूनतम | Max अधिकतम | |
| 1 | Andhra Pradesh | 1.8 | 8.6 | 6.2 | 8.5 | 210 | 34100 | 0.5 | 62.4 | 2 | 200 | 65 | 2400 | आंध्र प्रदेश |
| 2 | Assam | 0 | 14.5 | 5.3 | 9.9 | 24 | 1372 | 0.5 | 42 | NIL | $24X10^4$ | NIL | $24X10^4$ | असम |
| 3 | Bihar | 2.1 | 10.2 | 6.4 | 8.84 | 62 | 975 | 0.5 | 21 | 1100 | $16X10^6$ | 2100 | $16X10^6$ | बिहार |
| 4 | Chattisgarh | 5.2 | 8.6 | 7.09 | 8.5 | 27 | 588 | 0.2 | 3.8 | NIL | 64 | 22 | 900 | छत्तीसगढ़ |
| 5 | Delhi | 0.5 | 11.8 | 7.1 | 8.1 | 180 | 2240 | 1 | 80 | 140 | $11X10^7$ | 680 | $14X10^7$ | दिल्ली |
| 6 | Goa | 0.7 | 12 | 5.6 | 9.21 | 16 | 87510 | 0.1 | 16.8 | 13 | $22X10^4$ | 23 | $13.2X10^4$ | गोवा |
| 7 | Gujarat | 0.2 | 9.2 | 5.9 | 9.52 | 50 | 67670 | BDL | 206 | BDL | 550 | BDL | 1600 | गुजरात |
| 8 | Haryana | 2.3 | 12.4 | 6.7 | 8.95 | 196 | 3720 | BDL | 290 | 33 | 34000 | 49 | $16X10^5$ | हरियाणा |
| 9 | Himachal Pradesh | 2.1 | 11.4 | 6.45 | 8.68 | 27 | 3680 | 0.1 | 160 | BDL | 350 | 2 | 920 | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 1.1 | 11.3 | 7 | 8.7 | 60 | 766 | BDL | 230 | - | - | - | - | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 2.5 | 9 | 6.4 | 8.5 | 120 | 402 | 0.2 | 10 | 140 | 260 | 730 | 1500 | झारखंड |
| 12 | Madhya Pradesh | 0.8 | 16.8 | 6.5 | 8.9 | 12 | 15244 | 0.3 | 430 | BDL | 900 | BDL | 1600 | मध्य प्रदेश |
| 13 | Maharashtra | 0.5 | 8.8 | 6.1 | 8.92 | 23 | 69610 | 2 | 250 | BDL | 1600 | 4 | 1800 | महाराष्ट्र |
| 14 | Manipur | 2.1 | 8.4 | 6.1 | 8.7 | 95 | 705 | 0.9 | 127 | - | - | - | - | मणिपुर |
| 15 | Meghalaya | 0.3 | 9 | 5.78 | 8.3 | 30 | 1420 | BDL | 95 | 2 | 74000 | 2 | 123000 | मेघालय |
| 16 | Mizoram | 0.5 | 9.8 | 5.89 | 8.6 | 23 | 972 | 0.2 | 145 | 2 | 23 | 16 | 2400 | मिजोरम |
| 17 | Nagaland | 0.2 | 8.6 | 5.5 | 9.28 | 33 | 840 | 0.8 | 25 | - | - | - | - | नागालैंड |
| 18 | Odisha | 0.3 | 14.3 | 6.3 | 8.5 | 77 | 52860 | 0.1 | 130 | 2 | $54X10^4$ | 2 | $16X10^5$ | ओडिशा |
| 19 | Punjab | 0.6 | 8.8 | 6.9 | 8.42 | 136 | 2346 | BDL | 1299 | 43 | $34X10^4$ | 46 | $47X10^4$ | पंजाब |
| 20 | Rajasthan | 2.5 | 6.6 | 6.94 | 8.75 | 110 | 2100 | 0.8 | 11.5 | 2 | 150 | 2 | 460 | राजस्थान |
| 21 | Tamil Nadu | 0.3 | 9.8 | 6.38 | 9.24 | 38 | 78500 | 0.4 | 325 | 2 | $22X10^5$ | 12 | $35X10^5$ | तमिलनाडु |
| 22 | Telangana | 0.2 | 8.4 | 6.25 | 8.87 | 78 | 2130 | BDL | 60 | NIL | 210 | 20 | 2000 | तेलंगाना |
| 23 | Tripura | 3.6 | 10.1 | 5.62 | 8.87 | 62 | 215 | BDL | 2.8 | 140 | 220 | 220 | 540 | त्रिपुरा |
| 24 | Uttar Pradesh | 0.2 | 12 | 6.3 | 8.96 | 14 | 3770 | 1.2 | 120 | 8 | $92X10^5$ | 17 | $16X10^6$ | उत्तर प्रदेश |
| 25 | Uttarakhand | 0.2 | 10.6 | 6.7 | 8.26 | 63 | 1600 | BDL | 64 | 2 | 94000 | NIL | 920000 | उत्तराखंड |
| 26 | West Bengal | 0.3 | 12.5 | 6.3 | 9.29 | 32 | 24650 | 0.6 | 23 | 700 | $24X10^5$ | 280 | $30X10^5$ | पश्चिम बंगाल |
| 27 | Daman & Diu, Dadra Nagar Haveli | 4.2 | 16.9 | 7.16 | 8.72 | 143 | 66950 | 1.6 | 24 | 12 | 1600 | 17 | 1600 | दमन एवं दीव, दादरा एवं नगर हवेली |
| 28 | Puducherry | 6.6 | 9.4 | 7.14 | 8.48 | 324 | 10160 | BDL | BDL | - | - | - | - | पुद्दुचेरी |

Source: Central Pollution Control Board (2017) स्रोत: केन्द्रीय प्रदूषण नियंत्रण बोर्ड (2017)

Note : Minimum and maximum valuses have been reported. Reporting of mean values has been discontinued since 2016. as mean values sometimes lead to msiinterpretation.

**Statement 1.56 : State-wise habitations with quality-affected groundwater**

**विवरण 1.56 : भौमजल की गुणवत्ता से प्रभावित राज्यवार बस्तियां** (As on 01/04/2017 की स्थिति के अनुसार)

| S.No. क्र. सं. | State | Contamination Wise Number Of Habitations & Population | | | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total कल | | Flouride फ्लोराइड | | Arsenic आर्सेनिक | | Iron लोहा | | Salinity लवणता | | Nitrate नाइट्रेट | | Heavy Metal भारी धातु | | |
| | | Habitations बस्तियां | Population जनसंख्या | Habitations बस्तियां | Population जनसंख्या | Habitations बस्तियां | Population जनसंख्या | Habitations बस्तियां | Population जनसंख्या | Habitations बस्तियां | Population जनसंख्या | Habitations बस्तियां | Population जनसंख्या | Habitations बस्तियां | Population जनसंख्या | |
| 1 | Andhra Pradesh | 424 | 322373 | 352 | 229458 | | | 1 | 2729 | 65 | 76308 | 6 | 13878 | | | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 31 | 5690 | | | | | 31 | 5690 | | | | | | | अरुणाचल प्रदेश |
| 3 | Assam | 11048 | 4161395 | 291 | 116222 | 4523 | 1702450 | 6227 | 2338030 | | | | | 7 | 4693 | असम |
| 4 | Bihar | 4240 | 4851425 | 901 | 1102329 | 877 | 1329866 | 2462 | 2419230 | | | | | | | बिहार |
| 5 | Chhattisgarh | 1181 | 309703 | 406 | 131631 | 20 | 7385 | 743 | 167830 | 2 | 753 | 10 | 2104 | | | छत्तीसगढ़ |
| 6 | Goa | | | | | | | | | | | | | | | गोवा |
| 7 | Gujarat | | | | | | | | | | | | | | | गुजरात |
| 8 | Haryana | 128 | 310424 | 119 | 296751 | | | | | 9 | 13673 | | | | | हरियाणा |
| 9 | Himachal Pradesh | | | | | | | | | | | | | | | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 17 | 36275 | 5 | 10576 | | | 12 | 25699 | | | | | | | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 3092 | 1171006 | 610 | 339307 | 102 | 92270 | 2372 | 736183 | | | 5 | 2277 | | | झारखंड |
| 12 | Karnataka | 1265 | 1010552 | 745 | 529326 | 4 | 3221 | 92 | 76359 | 45 | 39614 | 378 | 361900 | 1 | 132 | कर्नाटक |
| 13 | Kerala | 399 | 934997 | 68 | 198250 | | | 201 | 459685 | 98 | 194505 | 32 | 82557 | | | केरल |
| 14 | Madhya Pradesh | 190 | 86375 | 174 | 75849 | | | 5 | 1387 | 11 | 9139 | | | | | मध्य प्रदेश |
| 15 | Maharashtra | 293 | 564780 | 82 | 157133 | | | 18 | 31782 | 96 | 148633 | 97 | 227232 | | | महाराष्ट्र |
| 16 | Manipur | | | | | | | | | | | | | | | मणिपुर |
| 17 | Meghalaya | 32 | 10637 | | | | | 32 | 10637 | | | | | | | मेघालय |
| 18 | Mizoram | | | | | | | | | | | | | | | मिजोरम |
| 19 | Nagaland | 43 | 21597 | | | | | 43 | 21597 | | | | | | | नागालैंड |
| 20 | Odisha | 3077 | 1002292 | 106 | 30205 | | | 2587 | 851536 | 384 | 120551 | | | | | ओडिशा |
| 21 | Punjab | 3743 | 4531558 | 310 | 372072 | 752 | 949204 | 292 | 254975 | 16 | 12577 | 151 | 173470 | 2222 | 2769260 | पंजाब |
| 22 | Rajasthan | 20643 | 8466380 | 6695 | 4559725 | | | 5 | 4123 | 12800 | 3031188 | 1143 | 871344 | | | राजस्थान |
| 23 | Sikkim | | | | | | | | | | | | | | | सिक्किम |
| 24 | Tamil Nadu | 198 | 95765 | | | | | 176 | 87290 | 22 | 8475 | | | | | तमिलनाडु |
| 25 | Telangana | 1392 | 1997079 | 1028 | 1415235 | | | 36 | 48492 | 183 | 314792 | 145 | 218560 | | | तेलंगाना |
| 26 | Tripura | 2583 | 1225904 | | | | | 2583 | 1225904 | | | | | | | त्रिपुरा |
| 27 | Uttar Pradesh | 1379 | 1325148 | 179 | 310011 | 748 | 573767 | 362 | 374055 | 80 | 47203 | 10 | 20112 | | | उत्तर प्रदेश |
| 28 | Uttarakhand | 16 | 78893 | | | | | 13 | 66083 | | | 3 | 12810 | | | उत्तराखंड |
| 29 | West Bengal | 19310 | 19477602 | 1421 | 963129 | 11232 | 12359770 | 5875 | 5595109 | 506 | 393789 | | | 276 | 165805 | पश्चिम बंगाल |
| 30 | Andaman And Nicobar Island | | | | | | | | | | | | | | | अंडमान एवं निकोबार |
| 31 | Puducherry | | | | | | | | | | | | | | | पुद्दुचेरी |
| **Total** | | **74724** | **51997850** | **13492** | **10837209** | **18258** | **17017933** | **24168** | **14804405** | **14317** | **4411200** | **1980** | **1986244** | **2506** | **2939890** | **कुल** |

*Source : www.indiawater.nic.in ( Report retrieved on 15.02.2018)*

*स्रोत : www.indiawater.nic.in (15.02.2018 को रिपोर्ट पुन: प्राप्त)*

Blank figures indicate nil

**Statement 1.57 : Sea Water Quality**

**विवरण 1.57 : समुद्र जल की गुणवत्ता**

**(a) : Coastal Water Quality - Biochemical Oxygen Demand**

**(क) : तटीय जल की गुणवत्ता - जैव रासायनिक ऑक्सीजन मांग**

**Unit/यूनिट - mg/l**

| State | Location | Upto 2 kms 2 कि.मी तक | | | Upto 5 kms 5 कि.मी तक | | | All Distances सभी दूरियां | | | राज्य | लोकेशन |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Min न्यूनतम | Mean औसत | Max अधिकतम | Min न्यूनतम | Mean औसत | Max अधिकतम | Min न्यूनतम | Mean औसत | Max अधिकतम | | |
| Andhra Pradesh | Kakinada | 0.00 | 1.78 | 8.30 | 0.00 | 1.74 | 8.30 | 0.00 | 1.72 | 8.30 | आंध्र प्रदेश | काकिनाडा |
| Andhra Pradesh | Visakhapatnam | 0.01 | 10.80 | 212.00 | 0.01 | 9.74 | 212.00 | 0.01 | 9.38 | 212.00 | आंध्र प्रदेश | विशाखापट्टम |
| Goa | Mandovi | 0.00 | 0.99 | 5.56 | 0.00 | 0.99 | 5.56 | 0.00 | 0.99 | 5.56 | गोवा | मांडोवी |
| Goa | Zuari | 0.01 | 0.68 | 2.09 | 0.01 | 0.66 | 2.09 | 0.01 | 0.66 | 2.09 | गोवा | जुआरी |
| Gujarat | Hazira | 0.00 | 2.85 | 19.10 | 0.00 | 2.72 | 19.10 | 0.00 | 2.56 | 19.10 | गुजरात | हजीरा |
| Gujarat | Vadinar | 0.32 | 1.90 | 6.02 | 0.12 | 1.88 | 6.02 | 0.10 | 1.58 | 6.02 | गुजरात | वाडिनार |
| Gujarat | Veraval | 0.06 | 2.66 | 110.00 | 0.06 | 2.66 | 110.00 | 0.00 | 2.10 | 110.00 | गुजरात | वेरावल |
| Karnataka | Mangalore | 0.01 | 1.58 | 3.64 | 0.01 | 1.40 | 4.25 | 0.01 | 1.35 | 4.40 | कर्नाटक | मंगलौर |
| Kerala | Kochi | 0.65 | 1.72 | 4.47 | 0.31 | 1.56 | 4.68 | 0.07 | 1.39 | 5.20 | केरल | कोच्ची |
| Maharashtra | Malvan | 0.32 | 2.26 | 6.41 | 0.32 | 2.26 | 6.65 | 0.32 | 2.26 | 6.65 | महाराष्ट्र | मालवन |
| Maharashtra | Mumbai | 0.00 | 2.00 | 9.92 | 0.00 | 2.00 | 9.92 | 0.00 | 1.90 | 9.92 | महाराष्ट्र | मुंबई |
| Maharashtra | Ratnagiri | 0.20 | 1.90 | 20.50 | 0.13 | 1.58 | 20.50 | 0.00 | 1.54 | 20.50 | महाराष्ट्र | रत्नागिरी |
| Maharashtra | Worli | 0.60 | 2.85 | 6.97 | 0.60 | 2.85 | 6.97 | 0.60 | 2.85 | 6.97 | महाराष्ट्र | **वर्ली** |
| Odisha | Dhamra | 0.32 | 2.18 | 4.85 | 0.11 | 2.02 | 4.85 | 0.11 | 1.93 | 4.85 | ओडिशा | धमरा |
| Odisha | Mahanadi | 2.00 | 0.08 | 5.54 | 1.89 | 0.06 | 5.54 | 1.83 | 0.06 | 5.54 | ओडिशा | महानदी |
| Odisha | Paradip | 0.11 | 1.90 | 5.17 | 0.11 | 1.75 | 5.17 | 0.11 | 1.75 | 5.17 | ओडिशा | पारादीप |
| Tamilnadu | Ennore | 1.42 | 0.00 | 20.20 | 1.36 | 0.00 | 20.20 | 1.33 | 0.00 | 20.20 | तमिलनाडु | एन्नोर |
| Tamil Nadu | Tuticorin | 0.03 | 2.31 | 46.40 | 0.02 | 2.22 | 46.40 | 0.02 | 2.21 | 56.00 | तमिलनाडु | तूतीकोरिन |
| West Bengal | Hooghly | 0.23 | 1.89 | 5.96 | 0.23 | 1.89 | 5.96 | 0.23 | 1.89 | 5.96 | पश्चिम बंगाल | हुगली |
| West Bengal | Sandheads | 0.74 | 2.29 | 4.49 | 0.74 | 2.30 | 4.49 | 0.10 | 2.04 | 4.49 | पश्चिम बंगाल | सैंडहेड्स |
| Andaman & Nicobar Islands | Port Blair | 0.00 | 1.19 | 5.21 | 0.00 | 1.19 | 5.21 | 0.00 | 1.19 | 5.21 | अंडमान एवं निकोबार द्वीपसमूह | पोर्टब्लेयर |
| Lakshadweep | Kavaratti | 0.56 | 1.39 | 2.48 | 0.36 | 1.23 | 2.48 | 0.36 | 1.19 | 2.48 | लक्षद्वीप | कावारत्ती |
| Puducherry | Puducherry | 0.05 | 1.58 | 14.80 | 0.05 | 1.49 | 14.80 | 0.05 | 1.51 | 14.80 | पुद्दुचेरी | पुद्दुचेरी |

Source: ICMAM Project Directorate

स्रोत: आईसीएमएएम परियोजना निदेशालय

**Statement 1.57 : Sea Water Quality**

**विवरण 1.57 : समुद्र जल की गुणवत्ता**

**(b) : Coastal Water Quality - Dissolved Oxygen**

**(ख) : तटीय जल की गुणवत्ता - विलयित ऑक्सीजन**

**Unit/यूनिट - mg/l**

| State | Location | Upto 2 kms 2 कि.मी तक | | | Upto 5 kms 5 कि.मी तक | | | All Distances सभी दूरियां | | | राज्य | लोकेशन |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Min न्यूनतम | Mean औसत | Max अधिकतम | Min न्यूनतम | Mean औसत | Max अधिकतम | Min न्यूनतम | Mean औसत | Max अधिकतम | | |
| Andhra Pradesh | Kakinada | 0.06 | 5.69 | 11.43 | 0.06 | 5.71 | 11.43 | 0.06 | 5.75 | 11.43 | आंध्र प्रदेश | काकिनाडा |
| Andhra Pradesh | Visakhapatnam | 0.11 | 5.13 | 14.24 | 0.11 | 5.21 | 14.24 | 0.11 | 5.22 | 14.24 | आंध्र प्रदेश | विशाखापट्टम |
| Goa | Mandovi | 0.22 | 5.17 | 8.67 | 0.22 | 5.18 | 8.93 | 0.22 | 5.18 | 8.93 | गोवा | मांडोवी |
| Goa | Zuari | 2.46 | 5.24 | 8.38 | 2.46 | 5.19 | 8.38 | 2.46 | 5.19 | 8.38 | गोवा | जुआरी |
| Gujarat | Hazira | 0.20 | 6.00 | 9.44 | 0.20 | 6.08 | 9.44 | 0.20 | 6.14 | 9.44 | गुजरात | हजीरा |
| Gujarat | Vadinar | 3.23 | 6.72 | 8.49 | 1.94 | 6.65 | 8.49 | 1.94 | 6.72 | 9.54 | गुजरात | वाडिनार |
| Gujarat | Veraval | 0.00 | 2.88 | 8.44 | 0.00 | 2.88 | 8.44 | 0.00 | 5.11 | 16.00 | गुजरात | वेरावल |
| Karnataka | Mangalore | 1.82 | 5.08 | 8.42 | 1.82 | 5.05 | 8.42 | 1.82 | 5.03 | 8.42 | कर्नाटक | मंगलौर |
| Kerala | Kochi | 2.10 | 4.96 | 8.47 | 1.20 | 4.87 | 8.67 | 1.20 | 4.84 | 8.80 | केरल | कोच्ची |
| Maharashtra | Malvan | 1.27 | 6.59 | 8.24 | 1.27 | 6.46 | 8.24 | 1.27 | 6.46 | 8.24 | महाराष्ट्र | मालवन |
| Maharashtra | Mumbai | 0.60 | 5.20 | 10.10 | 0.49 | 5.39 | 10.80 | 0.49 | 5.49 | 10.80 | महाराष्ट्र | मुंबई |
| Maharashtra | Ratnagiri | 0.64 | 6.34 | 11.09 | 0.34 | 6.21 | 11.09 | 0.34 | 6.11 | 11.09 | महाराष्ट्र | रत्नागिरी |
| Maharashtra | Worli | 1.58 | 5.76 | 8.00 | 1.58 | 5.76 | 8.00 | 1.58 | 5.76 | 8.00 | महाराष्ट्र | **वर्ली** |
| Odisha | Dhamra | 2.57 | 6.97 | 11.00 | 2.57 | 6.93 | 11.00 | 2.57 | 6.95 | 11.00 | ओडिशा | धमरा |
| Odisha | Mahanadi | 7.16 | 4.03 | 10.25 | 7.12 | 4.03 | 10.25 | 7.09 | 4.03 | 10.25 | ओडिशा | महानदी |
| Odisha | Paradip | 1.73 | 6.76 | 9.73 | 1.00 | 6.71 | 9.73 | 1.00 | 6.71 | 9.73 | ओडिशा | पारादीप |
| Tamilnadu | Ennore | 4.97 | 0.16 | 8.39 | 5.04 | 0.16 | 8.39 | 5.04 | 0.16 | 8.40 | तमिलनाडु | एन्नोर |
| Tamilnadu | Tuticorin | 0.80 | 4.91 | 8.08 | 0.80 | 4.92 | 8.08 | 0.12 | 5.00 | 8.08 | तमिलनाडु | तूतीकोरिन |
| West Bengal | Hooghly | 3.00 | 7.07 | 9.00 | 3.00 | 6.96 | 9.00 | 3.00 | 6.93 | 9.00 | पश्चिम बंगाल | हुगली |
| West Bengal | Sandheads | 5.02 | 7.28 | 10.65 | 5.02 | 7.09 | 10.65 | 5.02 | 7.12 | 10.65 | पश्चिम बंगाल | सैंडहेड्स |
| Andaman Nicobar Islands | Port Blair | 2.88 | 6.15 | 9.32 | 2.88 | 6.15 | 9.32 | 2.88 | 6.15 | 9.32 | अंडमान एवं निकोबार | पोर्टब्लेयर |
| Lakshadweep | Kavaratti | 2.50 | 5.02 | 8.54 | 2.50 | 4.74 | 8.54 | 2.50 | 4.68 | 8.54 | लक्षद्वीप | कावारत्ती |
| Puducherry | Puducherry | 0.65 | 5.00 | 7.74 | 0.65 | 5.04 | 8.14 | 0.65 | 5.10 | 9.08 | पुद्दुचेरी | पुद्दुचेरी |

Source: ICMAM Project Directorate

स्रोत: आईसीएमएएम परियोजना निदेशालय

**Statement 1.57 : Sea Water Quality**

**विवरण 1.57 : समुद्र जल की गुणवत्ता**

**(c) : Coastal Water Quality - Total Nitrogen**

**(ग) : तटीय जल की गुणवत्ता - कुल नाइट्रोजन**

**Unit/यूनिट - mg/l**

| State | Location | Upto 2 kms 2 कि.मी तक | | | Upto 5 kms 5 कि.मी तक | | | All Distances सभी दूरियां | | | राज्य | लोकेशन |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Min न्यूनतम | Mean औसत | Max अधिकतम | Min न्यूनतम | Mean औसत | Max अधिकतम | Min न्यूनतम | Mean औसत | Max अधिकतम | | |
| Andhra Pradesh | Kakinada | 0.89 | 63.03 | 792.00 | 0.89 | 58.09 | 792.00 | 0.89 | 54.89 | 792.00 | आंध्र प्रदेश | काकिनाडा |
| Andhra Pradesh | Visakhapatnam | 1.78 | 82.43 | 658.00 | 1.37 | 76.00 | 658.00 | 1.37 | 73.39 | 658.00 | आंध्र प्रदेश | विशाखापट्टम |
| Goa | Mandovi | 2.09 | 15.80 | 78.88 | 2.09 | 15.31 | 79.90 | 2.09 | 15.31 | 79.90 | गोवा | मांडोवी |
| Goa | Zuari | 3.31 | 15.92 | 56.50 | 3.31 | 15.73 | 56.50 | 3.31 | 15.73 | 56.50 | गोवा | जुआरी |
| Gujarat | Hazira | 16.70 | 144.70 | 613.60 | 9.40 | 139.52 | 613.60 | 7.10 | 135.26 | 613.60 | गुजरात | हजीरा |
| Gujarat | Vadinar | 19.90 | 82.13 | 139.53 | 7.90 | 79.88 | 139.53 | 7.90 | 78.54 | 139.53 | गुजरात | वाडिनार |
| Gujarat | Veraval | 7.90 | 124.98 | 2381.90 | 7.90 | 124.98 | 2381.90 | 2.90 | 90.63 | 2381.90 | गुजरात | वेरावल |
| Karnataka | Mangalore | 1.81 | 17.55 | 54.72 | 1.81 | 15.87 | 54.72 | 1.81 | 14.92 | 54.72 | कर्नाटक | मंगलौर |
| Kerala | Kochi | 1.00 | 21.37 | 116.00 | 0.46 | 19.03 | 116.00 | 0.38 | 17.24 | 116.00 | केरल | कोच्ची |
| Maharashtra | Malvan | 5.41 | 50.74 | 92.22 | 5.41 | 51.21 | 93.31 | 5.41 | 51.21 | 93.31 | महाराष्ट्र | मालवन |
| Maharashtra | Mumbai | 7.80 | 346.12 | 867.34 | 7.80 | 336.62 | 867.34 | 3.00 | 281.10 | 867.34 | महाराष्ट्र | मुंबई |
| Maharashtra | Ratnagiri | 1.49 | 48.74 | 631.67 | 1.25 | 40.96 | 631.67 | 1.25 | 37.67 | 631.67 | महाराष्ट्र | रत्नागिरी |
| Maharashtra | Worli | 60.11 | 342.57 | 672.70 | 52.54 | 336.92 | 672.70 | 52.54 | 336.92 | 672.70 | महाराष्ट्र | **वर्ली** |
| Odisha | Dhamra | 10.40 | 35.47 | 72.09 | 10.40 | 35.79 | 94.83 | 10.40 | 35.51 | 94.83 | ओडिशा | धमरा |
| Odisha | Mahanadi | 39.91 | 2.85 | 150.00 | 39.98 | 2.85 | 150.00 | 39.77 | 2.85 | 150.00 | ओडिशा | महानदी |
| Odisha | Paradip | 1.34 | 35.10 | 227.56 | 1.34 | 34.25 | 227.56 | 1.34 | 34.25 | 227.56 | ओडिशा | पारादीप |
| Tamilnadu | Ennore | 24.97 | 3.10 | 540.42 | 23.60 | 0.87 | 540.42 | 23.46 | 0.46 | 540.42 | तमिलनाडु | एन्नोर |
| Tamilnadu | Tuticorin | 1.94 | 21.15 | 644.00 | 0.39 | 21.31 | 758.00 | 0.39 | 22.80 | 758.00 | तमिलनाडु | तूतीकोरिन |
| West Bengal | Hooghly | 11.86 | 60.24 | 166.57 | 11.86 | 63.68 | 228.86 | 8.71 | 63.76 | 228.86 | पश्चिम बंगाल | हुगली |
| West Bengal | Sandheads | 1.92 | 34.83 | 153.69 | 1.92 | 41.57 | 179.29 | 1.92 | 44.16 | 179.29 | पश्चिम बंगाल | सैंडहेड्स |
| Andaman Nicobar Islands | Port Blair | 0.33 | 14.48 | 102.52 | 0.33 | 14.48 | 102.52 | 0.33 | 14.48 | 102.52 | अंडमान एवं निकोबार द्वीपसमूह | पोर्टब्लेयर |
| Lakshadweep | Kavaratti | 0.44 | 9.13 | 44.07 | 0.44 | 7.55 | 44.07 | 0.44 | 6.86 | 44.07 | लक्षद्वीप | कावारत्ती |
| Puducherry | Puducherry | 1.86 | 20.65 | 127.40 | 1.58 | 20.66 | 127.40 | 1.58 | 20.93 | 127.40 | पुद्दुचेरी | पुद्दुचेरी |

Source: ICMAM Project Directorate

स्रोत: आईसीएमएएम परियोजना निदेशालय

**Statement 1.57 : Sea Water Quality**

**विवरण 1.57 : समुद्र जल की गुणवत्ता**

**Table (d) : Coastal Water Quality - Total Phosphorus**

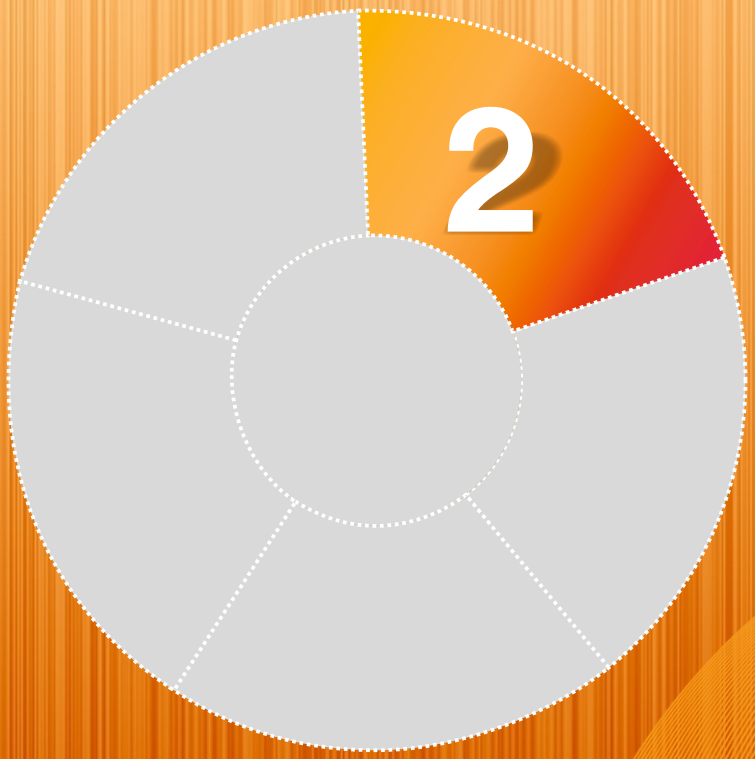
**सारणी (घ) : तटीय जल की गुणवत्ता - कुल फास्फोरस**

**Unit/यूनिट- mg/l**

| State | Location | Upto 2 kms | | | Upto 5 kms | | | All Distances | | | राज्य | लोकेशन |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Min | Mean | Max | Min | Mean | Max | Min | Mean | Max | | |
| Andhra Pradesh | Kakinada | 0.05 | 7.48 | 135.00 | 0.05 | 6.82 | 135.00 | 0.05 | 6.35 | 135.00 | आंध्र प्रदेश | काकिनाडा |
| Andhra Pradesh | Visakhapatnam | 0.05 | 29.46 | 446.00 | 0.05 | 25.45 | 446.00 | 0.05 | 24.11 | 446.00 | आंध्र प्रदेश | विशाखापट्टम |
| Goa | Mandovi | 0.17 | 1.90 | 23.71 | 0.17 | 1.91 | 23.71 | 0.17 | 1.91 | 23.71 | गोवा | मांडोवी |
| Goa | Zuari | 0.19 | 2.21 | 16.84 | 0.19 | 2.24 | 16.84 | 0.19 | 2.24 | 16.84 | गोवा | जुआरी |
| Gujarat | Hazira | 1.50 | 3.82 | 11.54 | 1.40 | 3.81 | 11.54 | 1.20 | 3.73 | 11.54 | गुजरात | हजीरा |
| Gujarat | Vadinar | 0.50 | 2.42 | 8.88 | 0.50 | 2.43 | 9.32 | 0.50 | 2.57 | 10.61 | गुजरात | वाडिनार |
| Gujarat | Veraval | 0.44 | 4.70 | 147.98 | 0.44 | 4.70 | 147.98 | 0.40 | 2.82 | 147.98 | गुजरात | वेरावल |
| Karnataka | Mangalore | 0.42 | 2.33 | 8.91 | 0.25 | 2.07 | 8.91 | 0.23 | 1.99 | 8.91 | कर्नाटक | मंगलौर |
| Kerala | Kochi | 0.16 | 2.79 | 47.60 | 0.16 | 2.68 | 47.60 | 0.16 | 2.59 | 47.60 | केरल | कोच्ची |
| Maharashtra | Malvan | 0.69 | 1.67 | 5.48 | 0.69 | 1.64 | 5.48 | 0.69 | 1.64 | 5.48 | महाराष्ट्र | मालवन |
| Maharashtra | Mumbai | 0.50 | 5.22 | 44.20 | 0.50 | 4.72 | 44.20 | 0.50 | 4.22 | 44.20 | महाराष्ट्र | मुंबई |
| Maharashtra | Ratnagiri | 0.44 | 1.39 | 19.45 | 0.30 | 1.37 | 19.45 | 0.20 | 1.39 | 19.45 | महाराष्ट्र | रत्नागिरी |
| Maharashtra | Worli | 1.38 | 4.14 | 11.77 | 1.38 | 4.12 | 11.77 | 1.38 | 4.12 | 11.77 | महाराष्ट्र | **वर्ली** |
| Odisha | Dhamra | 0.26 | 5.21 | 187.00 | 0.26 | 4.85 | 187.00 | 0.26 | 4.72 | 187.00 | ओडिशा | धमरा |
| Odisha | Mahanadi | 10.52 | 0.58 | 80.62 | 10.38 | 0.58 | 80.62 | 9.87 | 0.45 | 80.62 | ओडिशा | महानदी |
| Odisha | Paradip | 0.32 | 5.18 | 125.62 | 0.29 | 4.98 | 125.62 | 0.29 | 4.98 | 125.62 | ओडिशा | पारादीप |
| Tamilnadu | Ennore | 2.83 | 0.02 | 67.14 | 2.69 | 0.02 | 67.14 | 2.69 | 0.02 | 67.14 | तमिलनाडु | एन्नोर |
| Tamilnadu | Tuticorin | 0.04 | 1.95 | 5.83 | 0.02 | 1.85 | 13.38 | 0.02 | 1.84 | 13.38 | तमिलनाडु | तूतीकोरिन |
| West Bengal | Sandheads | 0.84 | 2.91 | 22.50 | 0.55 | 3.15 | 22.50 | 0.55 | 3.40 | 22.50 | पश्चिम बंगाल | सैंडहेड्स |
| Andaman Nicobar Islands | Port Blair | 0.00 | 2.06 | 17.35 | 0.00 | 2.06 | 17.35 | 0.00 | 2.06 | 17.35 | अंडमान एवं निकोबार | पोर्टब्लेयर |
| Lakshadweep | Kavaratti | 0.13 | 1.47 | 5.86 | 0.11 | 1.54 | 5.86 | 0.11 | 1.54 | 5.86 | लक्षद्वीप | कावारत्ती |
| Puducherry | Puducherry | 0.20 | 2.35 | 12.88 | 0.20 | 2.25 | 12.88 | 0.13 | 2.20 | 12.88 | पुद्दुचेरी | पुद्दुचेरी |

Source: ICMAM Project Directorate

स्रोत: आईसीएमएएम परियोजना निदेशालय




# Environmental Resources and their Use

# पर्यावरणीय संसाधन एवं उनका प्रयोग

## Table 2.01 : Mineral Reserves and Resources
## सारणी 2.01 : खनिज भंडार एवं संसाधन

| Sl. No. क्र. स. | Minerals/Metal | Unit /यूनिट | As on 01.04.2005 | | | As on 01.04.2010 | | | As on 01.04.2015 | | | खनिज/धातु |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | |
| 1 | Andalusite | '000 tonnes | 0 | 18450 | 18450 | - | 18,450 | 18,450 | 0 | 28,201 | 28,201 | ऐंडालुसाइट |
| 2 | Antimony | | | | | | | | | | | एन्टिमनी |
| | Ore | tonne | 0 | 10588 | 10588 | - | 10,588 | 10,588 | 0 | 10,588 | 10,588 | अयस्क |
| | Metal | tonne | 0 | 174 | 174 | - | 174 | 174 | 0 | 174 | 174 | धातु |
| 3 | Apatite | tonne | 6145575 | 20719133 | 26864708 | 20,90,216 | 2,21,38,530 | 2,42,28,746 | 29,395 | 2,40,16,082 | 2,40,45,477 | ऐपटाइट |
| 4 | Asbestos | tonne | 6040544 | 15695817 | 21736361 | 25,10,841 | 1,96,55,762 | 2,21,66,603 | 24,633 | 2,29,22,751 | 2,29,47,384 | ऐस्बेस्टॉस |
| 5 | Ball clay | tonne | 32529793 | 46761403 | 79291196 | 1,67,77,842 | 6,66,15,662 | 8,33,93,504 | 4,94,93,621 | 8,52,49,716 | 13,47,43,337 | सुघट्य मृत्तिका |
| 6 | Barytes | tonne | 34312780 | 39890567 | 74203347 | 3,15,84,128 | 4,11,49,746 | 7,27,33,874 | 5,13,46,825 | 3,53,23,825 | 8,66,70,650 | बाराइटीज़ |
| 7 | Bauxite | '000 tonnes | 899384 | 2390432 | 3289817 | 5,92,938 | 28,86,682 | 34,79,620 | 6,56,422 | 32,40,442 | 38,96,864 | बॉक्साइट |
| 8 | Bentonite | tonne | 25060508 | 505512898 | 530573406 | 2,50,60,508 | 54,33,06,838 | 56,83,67,346 | 1,45,85,633 | 56,83,02,781 | 58,28,88,414 | बेंटोनाइट |
| 9 | Borax | tonne | 0 | 74204 | 74204 | - | 74,204 | 74,204 | 0 | 74,204 | 74,204 | बोरेक्स |
| 10 | Calcite | tonne | 6742030 | 15831937 | 22573967 | 26,64,338 | 1,82,81,110 | 2,09,45,448 | 34,48,867 | 1,95,55,082 | 2,30,03,949 | कैल्साइट |
| 11 | Chalk | '000 tonnes | | | | 4,332 | 585 | 4,917 | 5,064 | 1,687 | 6,751 | खड़िया |
| 12 | China clay | '000 tonnes | 222121 | 2373540 | 2595661 | 1,77,158 | 25,28,049 | 27,05,207 | 2,29,469 | 27,11,777 | 29,41,247 | चीनी मिट्टी |
| 13 | Chromite | '000 tonnes | 66128 | 146935 | 213063 | 53,970 | 1,49,376 | 2,03,346 | 1,02,210 | 2,41,806 | 3,44,016 | क्रोमाइट |
| 14 | Cobalt (Ore) | million tonnes | 0 | 44.91 | 44.91 | - | 44.91 | 44.91 | 0 | 45 | 45 | कोबाल्ट (अयस्क) |
| 15 | Copper | | | | | | | | | | | तांबा |
| | Ore | '000 tonnes | 369493 | 1024934 | 1394427 | 3,94,372 | 11,64,086 | 15,58,458 | 2,07,767 | 13,03,730 | 15,11,498 | अयस्क |
| | Metal | '000 tonnes | 4383.97 | 7033.75 | 11417.72 | 4,768.33 | 7,518.34 | 12,286.67 | 2,734.62 | 9,423.53 | 12,158.15 | धातु |
| 16 | Corundum | tonne | 605 | 83190 | 83795 | 597 | 7,40,194 | 7,40,792 | 200 | 2,93,497 | 2,93,697 | कोरंडम |
| 17 | Diamond | carats | 1205577 | 3376336 | 4581913 | 10,45,318 | 3,08,76,432 | 3,19,21,750 | 9,59,659 | 3,08,76,432 | 3,18,36,091 | हीरा |
| 18 | Diaspore | tonne | 3125032 | 2212361 | 5337393 | 28,59,674 | 31,25,144 | 59,84,818 | 78,82,434 | 23,10,817 | 1,01,93,251 | प्रकीर्णश |
| 19 | Diatomite | '000 tonnes | 634 | 2251 | 2885 | - | 2,885 | 2,885 | 0 | 2,885 | 2,885 | डायटोमाइट |
| 20 | Dolomite | '000 tonnes | 985156 | 6547952 | 7533108 | 7,38,185 | 69,92,372 | 77,30,557 | 6,77,884 | 77,37,007 | 84,14,891 | डोलोमाइट |

## Table 2.01 : Mineral Reserves and Resources
## सारणी 2.01 : खनिज भंडार एवं संसाधन

| Sl. No. क्र. स. | Minerals/Metal | Unit /यूनिट | As on 01.04.2005 | | | As on 01.04.2010 | | | As on 01.04.2015 | | | खनिज/धातु |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | |
| 21 | Dunite | '000 tonnes | 128074 | 39855 | 167929 | 17,137 | 1,68,232 | 1,85,369 | 12,768 | 1,75,049 | 1,87,818 | डूनाइट |
| 22 | Emerald | kilogram | | | | N. E. | N. E. | N. E. | 0 | 55,869 | 55,869 | पन्ना |
| 23 | Feldspar | tonne | 38049836 | 52731827 | 90781663 | 4,45,03,240 | 8,78,32,212 | 13,23,35,452 | 31,98,41,612 | 31,37,25,741 | 63,35,67,353 | फेल्सपार |
| 24 | Fire clay | '000 tonnes | 59301 | 645462 | 704763 | 30,104 | 6,83,415 | 7,13,519 | 27,037 | 6,95,791 | 7,22,829 | अग्निसह मृत्तिका |
| 25 | Fluorite | tonne | 9213831 | 10951838 | 20165669 | 47,12,316 | 1,35,01,588 | 1,82,13,904 | 2,88,684 | 1,78,93,423 | 1,81,82,107 | फ्लोराइट |
| 26 | Fuller's Earth | tonne | 58200 | 256593879 | 256652079 | 58,200 | 25,65,93,879 | 25,66,52,079 | 39,41,000 | 25,74,37,959 | 26,13,78,959 | फुलर्स अर्थ |
| 27 | Garnet | tonne | 20975605 | 36680028 | 57655633 | 1,93,24,793 | 3,76,38,032 | 5,69,62,824 | 1,27,83,856 | 4,33,77,166 | 5,61,61,022 | तामड़ा |
| 28 | Gold | | | | | | | | | | | सोना |
| | Ore (Primary) | tonne | 19253951 | 371035286 | 390289237 | 2,41,24,537 | 46,95,70,375 | 49,36,94,912 | 1,72,28,174 | 48,46,11,458 | 50,18,39,632 | अयस्क (प्राथमिक) |
| | Metal (Primary) | tonne | 85.12 | 405.69 | 490.81 | 110.54 | 549.3 | 659.84 | 70.09 | 584.65 | 654.74 | धातु (प्राथमिक) |
| | Ore (Placer) | tonne | 0 | 26121000 | 26121000 | - | 2,61,21,000 | 2,61,21,000 | 0 | 2,61,21,000 | 2,61,21,000 | अयस्क (प्लेसर) |
| | Metal (Placer) | tonne | 0 | 5.86 | 5.86 | - | 5.86 | 5.86 | 0 | 5.86 | 5.86 | धातु (प्लेसर) |
| 29 | Granite (Dimen. | 000 cubic meter | 1130024 | 36295977 | 37426001 | 2,63,692 | 4,59,66,608 | 4,62,30,300 | 2,63,692 | 4,60,56,098 | 4,63,19,790 | ग्रेनाइट (डायमेंशन स्टोन) |
| 30 | Graphite | tonne | 10750 | 158025 | 168775 | 80,31,864 | 16,68,17,781 | 17,48,49,645 | 79,60,793 | 18,69,25,987 | 19,48,86,779 | ग्रेफाइट |
| 31 | Gypsum | '000 tonnes | 68658 | 1168218 | 1236876 | 39,096 | 12,47,402 | 12,86,498 | 36,621 | 12,92,892 | 13,29,513 | जिप्सम |
| 32 | Iron Ore (Haematite) | '000 tonnes | 7004168 | 7626219 | 14630387 | 80,93,546 | 97,88,551 | 1,78,82,097 | 54,21,751 | 1,70,65,214 | 2,24,86,965 | लौह अयस्क (हेमाटाइट) |
| 33 | Iron Ore (Magnetite) | '000 tonnes | 58503 | 10560978 | 10619481 | 21,755 | 1,06,22,305 | 1,06,44,060 | 52,699 | 1,07,36,455 | 1,07,89,155 | लौह अयस्क (मैग्नेटाइट) |
| 34 | Kyanite | tonne | 1374191 | 101239031 | 102613222 | 15,74,853 | 10,16,70,767 | 10,32,45,620 | 6,88,079 | 10,42,93,480 | 10,49,81,559 | कायनाइट |
| 35 | Laterite | '000 tonnes | | | | 24,714 | 4,46,119 | 4,70,833 | 1,24,733 | 5,81,819 | 7,06,552 | लेटराइट |
| 36 | Lead-Zinc | | | | | | | | | | | सीसा-ज़स्ता |
| | Ore | '000 tonnes | 125754 | 396826 | 522580 | 1,08,980 | 5,76,615 | 6,85,595 | 1,06,116 | 6,43,343 | 7,49,459 | अयस्क |
| | Lead Metal | '000 tonnes | 2590.55 | 4616.7 | 7207.25 | 2,245.01 | 9,304.38 | 11,549.39 | 2,482.34 | 10,521.36 | 13,003.70 | सीसा धातु |
| | Zinc Metal | '000 tonnes | 11092.89 | 13166.79 | 24259.68 | 12,453.26 | 24,211.64 | 36,664.90 | 9,999.52 | 26,363.24 | 36,362.76 | ज़स्ता धातु |
| | Lead + Zinc Metal | '000 tonnes | 0 | 118.45 | 118.45 | 0 | 118.45 | 118.45 | 0 | 143.13 | 143.13 | सीसा + ज़स्ता धातु |
| 37 | Limestone | '000 tonnes | 12715 | 162630 | 175345 | 1,49,26,392 | 17,00,08,720 | 18,49,35,112 | 1,63,35,753 | 18,68,88,998 | 20,32,24,752 | चूना पत्थर |

**Table 2.01 : Mineral Reserves and Resources**

**सारणी 2.01 : खनिज भंडार एवं संसाधन**

| Sl. No. क्र. स. | Minerals/Metal | Unit /यूनिट | As on 01.04.2005 | | | As on 01.04.2010 | | | As on 01.04.2015 | | | खनिज/धातु |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | |
| 38 | Magnesite | '000 tonnes | 76133 | 261749 | 337882 | 41,950 | 2,93,222 | 3,35,172 | 82,276 | 3,11,711 | 3,93,988 | मैग्नेसाइट |
| 39 | Manganese Ore | '000 tonnes | 138151 | 240418 | 378569 | 1,41,977 | 2,88,003 | 4,29,980 | 93,475 | 4,02,399 | 4,95,874 | मैंगनीज अयस्क |
| 40 | Marble | '000 tonnes | 4700 | 1787938 | 1792638 | 2,76,495 | 16,54,968 | 19,31,463 | 4,551 | 19,41,341 | 19,45,891 | मार्बल |
| 41 | Marl | tonne | | | | 13,99,76,150 | 1,17,04,870 | 15,16,81,020 | 12,38,55,856 | 1,17,04,870 | 13,55,60,726 | मार्ल |
| 42 | Mica | kilogram | 68569843 | 325285576 | 393855419 | 19,07,41,448 | 34,14,95,531 | 53,22,36,979 | 11,44,32,777 | 52,08,69,364 | 63,53,02,141 | अभ्रक |
| 43 | Molybdenum | | | | | | | | | | | मॉलब्डेनम |
| | Ore | tonne | 1500000 | 17786732 | 19286732 | - | 1,92,86,732 | 1,92,86,732 | 0 | 1,93,71,698 | 1,93,71,698 | अयस्क |
| | Contained $MoS_2$ | tonne | 1050 | 11590 | 12640 | - | 12,640 | 12,640 | 0 | 12,668.37 | 12,668.37 | $MoS_2$ युक्त |
| 44 | Nickel Ore | million tonnes | 0 | 188710 | 188710 | - | 189 | 189 | 0 | 189 | 189 | निकेल अयस्क |
| 45 | Ochre | tonne | 47867858 | 45573436 | 93441294 | 5,49,42,176 | 8,93,19,089 | 14,42,61,265 | 3,69,33,805 | 13,08,59,201 | 16,77,93,006 | गैरिक |
| 46 | Perlite | '000 tonnes | 504 | 1385 | 1889 | 428 | 1,978 | 2,406 | 0 | 2,406 | 2,406 | पर्लाइट |
| 47 | Platinum gp. of | contained | 0 | 14.2 | 14.2 | - | 15.7 | 15.7 | 0 | 15.71 | 15.71 | धातुओं का प्लेटिनम |
| 48 | Potash | million tonnes | 0 | 21815 | 21815 | - | 21,816 | 21,816 | 0 | 22,508 | 22,508 | पोटाश |
| 49 | Pyrite | '000 tonnes | 56726 | 1617675 | 1674401 | - | 16,74,401 | 16,74,401 | 0 | 16,74,401 | 16,74,401 | पाइराइट |
| 50 | Pyrophyllite | tonne | 19489617 | 14205319 | 33694936 | 2,32,75,451 | 3,28,07,451 | 5,60,82,902 | 2,49,32,958 | 3,46,82,745 | 5,96,15,703 | पाइरोफाइलाइट |
| 51 | Quartz-Silica Sand | '000 tonnes | 771508 | 2466703 | 3238211 | 4,29,223 | 30,69,808 | 34,99,031 | 6,47,528 | 32,60,420 | 39,07,948 | स्फटिक-सिलिका बालू |
| 52 | Quartzite | '000 tonnes | 98544 | 1046413 | 1144957 | 86,599 | 11,64,649 | 12,51,248 | 83,472 | 15,75,325 | 16,58,798 | क्वार्ट्ज़ाइट |
| 53 | Rare Earth Elements | tonne | | | | | | | 0 | 25,493 | 25,493 | दुर्लभ मृदा अवयव |
| 54 | Rock Phosphate | tonne | 52723492 | 252585084 | 305308576 | 3,47,78,650 | 26,15,05,701 | 29,62,84,351 | 4,58,07,485 | 26,68,71,130 | 31,26,78,615 | रॉक फास्फेट |
| 55 | Rock Salt | '000 tonnes | 13530 | 0 | 13530 | 16,026 | - | 16,026 | 0 | 16,025 | 16,025 | रॉक साल्ट |
| 56 | Ruby | kilogram | 1925.1 | 3345364 | 5270.74 | 236 | 5,112 | 5,348 | 0 | 5,349 | 5,349 | रूबी |
| 57 | Sapphire | kilogram | 0 | 450 | 450 | - | 450 | 450 | 0 | 450 | 450 | नीलम |
| 58 | Shale | '000 tonnes | | | | 15,331 | 580 | 15,911 | 15,472 | 3,781 | 19,253 | शेल |
| 59 | Sillimanite | tonne | 11423994 | 62915875 | 74339869 | 40,85,052 | 6,29,02,385 | 6,69,87,437 | 65,02,115 | 6,37,02,027 | 7,02,04,142 | सिलीमेनाइट |
| 60 | Silver | | | | | | | | | | | चांदी |

## Table 2.01 : Mineral Reserves and Resources
## सारणी 2.01 : खनिज भंडार एवं संसाधन

| Sl. No. क्र. स. | Minerals/Metal | Unit /यूनिट | As on 01.04.2005 | | | As on 01.04.2010 | | | As on 01.04.2015 | | | खनिज/धातु |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | Reserve रिजर्व़ | Remaining Resources शेष संसाधन | Total Reserves कुल भंडार | |
| | Ore | tonne | 115912738 | 128720729 | 244633467 | 18,75,58,668 | 27,94,26,291 | 46,69,84,959 | 15,04,43,903 | 36,15,10,732 | 51,19,54,635 | अयस्क |
| | Metal | tonne | 6058.33 | 4154.29 | 10212.62 | 8,039.57 | 19,588.68 | 27,628.25 | 7,171.94 | 22,809.88 | 29,981.82 | धातु |
| 61 | Slate | '000 tonnes | | | | 0 | 2,369 | 2,369 | 20,286 | 2,586 | 22,872 | स्लेट |
| 62 | Sulphur (Native) | '000 tonnes | 0 | 210 | 210 | - | 210 | 210 | 0 | 210 | 210 | सल्फर (प्राकृत) |
| 63 | Talc-Steatite- | '000 tonnes | 115526 | 196810 | 312335 | 90,026 | 1,78,996 | 2,69,022 | 1,06,490 | 2,09,434 | 3,15,924 | टैल्क-सेलखड़ी |
| 64 | Tin | | | | | | | | | | | टिन |
| | Ore | tonne | 249497 | 86302812 | 86552310 | 7,131 | 8,37,19,066 | 8,37,26,197 | 4,419 | 8,37,20,749 | 8,37,25,168 | अयस्क |
| | Metal | tonne | 134.08 | 101103.02 | 101237.1 | 1,132.43 | 1,01,142.41 | 1,02,274.84 | 154.2 | 1,02,259.16 | 1,02,413.36 | धातु |
| 65 | Titanium | tonne | 25148538 | 363239828 | 388388366 | 2,20,30,223 | 37,19,65,694 | 39,39,95,917 | 1,44,20,716 | 39,92,04,829 | 41,36,25,545 | टाइटेनियम |
| 66 | Tungsten | | | | | | | | | | | टंगस्टेन |
| | Ore | tonne | 0 | 87387464 | 87387464 | - | 8,73,87,464 | 8,73,87,464 | 0 | 8,73,87,464 | 8,73,87,464 | अयस्क |
| | Contained $WO_3$ | tonne | 0 | 142094.35 | 142094.35 | - | 1,42,094.35 | 1,42,094.35 | 0 | 1,42,094.35 | 1,42,094.35 | $WO_3$ युक्त |
| 67 | Vanadium | | | | | | | | | | | वनैडियम |
| | Ore | tonne | 6318663 | 18529225 | 24847888 | 4,10,955 | 2,43,07,933 | 2,47,18,888 | 0 | 2,46,33,855 | 2,46,33,855 | अयस्क |
| | Contained $V_2O_3$ | tonne | 10769.78 | 54620.49 | 65390.27 | 1,602.72 | 63,284.45 | 64,887.17 | 0 | 64,594.01 | 64,594.01 | $V_2O_3$ युक्त |
| 68 | Vermiculite | tonne | 1763630 | 674631 | 2438261 | 17,04,007 | 8,03,003 | 25,07,010 | 16,32,885 | 7,19,582 | 23,52,467 | वर्मीकुलाइट |
| 69 | Wollastonite | tonne | 8533311 | 11708312 | 20241623 | 24,87,122 | 1,40,82,751 | 1,65,69,873 | 22,41,462 | 1,42,27,824 | 1,64,69,286 | वोलास्टोनाइट |
| 70 | Zircon | tonne | 3705912 | 569748 | 4275660 | 13,47,470 | 17,86,482 | 31,33,952 | 11,58,290 | 22,64,913 | 34,23,203 | जिक्रोन |

*Source: National Mineral Inventory, Indian Bureau of Mines, Nagpur*

*स्रोतः राष्ट्रीय खनिज सूची, भारतीय खान ब्यूरो, नागपुर*

N.E. - Not Estimated

## Statement 2.02: Production of Minerals

## विवरण 2.02 : खनिजों का उत्पादन

| Sl. No. क्र. स. | Minerals | Unit/ यूनिट | 2005-06 | 2010-11 | 2014-15 | 2015-16 | 2016-17 | 2017-18(P) | खनिज |
|---|---|---|---|---|---|---|---|---|---|
| | **Fuel Minerals** | | | | | | | | **ईंधन खनिज** |
| 1 | Coal | Thousand Tonnes | 407039 | 532694 | 609179 | 639230 | 657868 | 678533 | कोयला |
| 2 | Lignite | Thousand Tonnes | 30066 | 37733 | 48270 | 43842 | 45230 | 47668 | लिग्नाइट |
| 3 | Natural Gas (Ut.) | M.C.M. | 32202 | 52219 | 33659 | 32249 | 31897 | 31806 | प्राकृतिक गैस (यूनिट) |
| 4 | Petroleum (Crude) | Thousand Tonnes | 32190 | 37684 | 37462 | 36941 | 36010 | 35683 | पेट्रोलियम (क्रूड) |
| | **Metallic Minerals** | | | | | | | | **धात्विक खनिज** |
| 5 | Bauxite | Tonne | 12595803 | 12722820 | 22493671 | 28123789 | 24745487 | 22312681 | बॉक्साइट |
| 6 | Chromite | Tonne | 3714284 | 4325699 | 2164163 | 2915584 | 3727780 | 3480928 | क्रोमाइट |
| 7 | Copper Ore | Tonne | 2642706 | 3601984 | 3505348 | 3907823 | 3846427 | 3678846 | ताम्र अयस्क |
| 8 | Copper Conc. | Tonne | 125392 | 136856 | 107604 | 151837 | 134787 | 141863 | ताम्र सांद्र |
| 9 | Gold Ore | Tonne | 479353 | 741522 | 447278 | 562956 | 582280 | 549695 | सोना अयस्क |
| 10 | Gold (Primary) | Kg. | 2880 | 2399 | 1441 | 1323 | 1595 | 1648 | सोना (प्राथमिक) |
| 11 | Iron Ore (Total) | Thousand Tonnes | 165230 | 207157 | 129321 | 158108 | 194584 | 200955 | लौह अयस्क (कुल) |
| 12 | Lead & Zinc Ore | Tonne | 4801184 | 7539999 | 9362659 | 10453038 | 11881238 | 12613866 | सीसा एवं ज़स्ता अयस्क |
| 13 | Lead Conc. | Tonne | 95738 | 147625 | 197668 | 261857 | 268047 | 306399 | सीसा सांद्र |
| 14 | Zinc Conc. | Tonne | 889007 | 1427231 | 1489374 | 1473811 | 1484244 | 1539655 | ज़स्ता सांद्र |
| 15 | Manganese Ore | Tonne | 1906353 | 3056385 | 2369481 | 2166947 | 2395134 | 2589271 | मैंगनीज अयस्क |
| 16 | Silver | Kg. | 27961 | 148303 | 327647 | 426443 | 460811 | 557691 | चांदी |
| 17 | Tin Conc. | Kg. | 98734 | 60643 | 24685 | 13541 | 12121 | 16758 | टिन सांद्र |
| | **Non-Metallic Minerals** | | | | | | | | **गैर धात्विक खनिज** |
| 18 | Agate# | Tonne | 9 | 19 | | | | | गोमेद# |
| 19 | Apatite | Tonne | 9053 | 3846 | 930 | 110 | | | ऐपटाइट |
| 20 | Phosphorite | Tonne | 2049277 | 2097490 | 1607215 | 1571863 | 1124440 | 1534269 | फ़ॉस्फ़ोरोइट |
| 21 | Asbestos | Tonne | 2323 | 268 | | | | | ऐस्बेस्टॉस |
| 22 | Ball Clay# | Tonne | 406675 | 1086714 | | | | | सुघट्य मृत्तिका# |
| 23 | Barytes# | Tonne | 1156227 | 2338806 | | | | | बाराइटीज़# |
| 24 | Calcite# | Tonne | 73558 | 38826 | | | | | कैल्साइट# |
| 25 | Chalk# | Tonne | 148352 | 177197 | | | | | खड़िया# |
| 26 | Clay (Others)# | Tonne | 805765 | 730752 | | | | | मृत्तिका (अन्य)# |
| 27 | Diamond | Carat | 44170 | 11222 | 36107 | 36044 | 36491 | 39699 | हीरा |
| 28 | Diaspore# | Tonne | 24494 | 26082 | | | | | प्रकीर्णश# |
| 29 | Dolomite# | Tonne | 4750512 | 5839710 | | | | | डोलोमाइट# |
| 30 | Dunite# | Tonne | 36621 | 23716 | | | | | डूनाइट# |
| 31 | Felspar# | Tonne | 426498 | 546472 | | | | | फेल्सपार# |
| 32 | Fireclay# | Tonne | 535735 | 856741 | | | | | अग्निसह मृत्तिका# |
| 33 | Felsite# | Tonne | 981 | 1670 | | | | | फेल्साइट# |
| 34 | Fluorite (Graded) | Tonne | 5577 | 59954 | 2946 | 2333 | 1175 | 1313 | फ्लोराइट (ग्रेडेड) |
| 35 | Flint Stone | Tonne | - | - | 244 | 253 | 26 | | चकमक पत्थर |

## Statement 2.02: Production of Minerals

## विवरण 2.02 : खनिजों का उत्पादन

| Sl. No. क्र. स. | Minerals | Unit/ यूनिट | 2005-06 | 2010-11 | 2014-15 | 2015-16 | 2016-17 | 2017-18(P) | खनिज |
|---|---|---|---|---|---|---|---|---|---|
| 36 | Garnet (Abrasive) | Tonne | 671541 | 2126337 | 91394 | 82001 | 85413 | 158154 | तामड़ा (अपघर्षी) |
| 37 | Graphite (R.O.M.) | Tonne | 125651 | 115697 | 116712 | 135528 | 122438 | 33558 | ग्रेफाइट (आरओएम) |
| 38 | Gypsum# | Tonne | 3291478 | 4918170 | | | | | जिप्सम# |
| 39 | Iolite | Kg. | - | 4 | | | | | आयोलाइट |
| 40 | Kaolin# | Tonne | 1335744 | 2727946 | | | | | केओलिन# |
| 41 | Kyanite | Tonne | 8869 | 5954 | 6255 | 2901 | 3253 | 7818 | कायनाइट |
| 42 | Sillimanite | Tonne | 33119 | 48784 | 66273 | 69942 | 68131 | 81638 | सिलीमेनाइट |
| 43 | Laterite# | Tonne | 1040816 | 1220304 | | | | | लेटराइट# |
| 44 | Limestone | Thousand Tonnes | 170029 | 246336 | 293273 | 307001 | 314669 | 338552 | चूना पत्थर |
| 45 | Lime Kankar# | Tonne | 291926 | 383817 | | | | | चूना कंकड़# |
| 46 | Limeshell | Tonne | 110296 | 30410 | 16353 | 10353 | 12344 | 10893 | चूना कोश |
| 47 | Magnesite | Tonne | 340674 | 235762 | 285009 | 327663 | 299149 | 195033 | मैग्नेसाइट |
| 48 | Marl | Tonne | - | 4399379 | 2179488 | 2389707 | 2203700 | 1822514 | मार्ल |
| 49 | Mica (Crude)# | Tonne | 2116 | 1333 | | | | | अभ्रक (कच्चा)# |
| 50 | Mica (Waste & Scrap)**# | Tonne | 4754 | 7311 | | | | | अभ्रक (अपशिष्ट एवं स्क्रैप)**# |
| 51 | Ochre # | Tonne | 1007088 | 1218261 | | | | | गैरिक # |
| 52 | Perlite | Tonne | 122 | | | | | | पर्लाइट |
| 53 | Pyrophyllite# | Tonne | 182526 | 240082 | | | | | पाइरोफाइलाइट# |
| 54 | Pyroxenite# | Tonne | 340953 | 253205 | | | | | पाइरॉक्सिनाइट# |
| 55 | Quartz# | Tonne | 302259 | 497546 | | | | | स्फटिक# |
| 56 | Quartzite# | Tonne | 109210 | 118117 | | | | | क्वार्ट्ज़ाइट# |
| 57 | Silica Sand# | Tonne | 2369977 | 3380968 | | | | | सिलिका बालू# |
| 58 | Moulding Sand | Tonne | - | - | 6383 | 26042 | 27685 | 7097 | संचन बालू |
| 59 | Sand (Others)# | Tonne | 2277632 | 2057119 | | | | | बालू (अन्य)# |
| 60 | Salt(rock) | | 1871 | 1200 | | | | 47 | नमक (रॉक) |
| 61 | Shale# | Tonne | 2683853 | 3081622 | | | | | शेल# |
| 62 | Siliceous Earth | | - | - | | 47386 | 77270 | 58875 | सिलिका पृथ्वी |
| 63 | Slate# | Tonne | 2527 | | | | | | स्लेट# |
| 64 | Steatite# | Tonne | 681534 | 902686 | | | | | सेलखड़ी# |
| 65 | Selenite | Tonne | - | 6736 | 207 | 3103 | 4328 | 469 | सेलिनाइट |
| 66 | Sulphur*** | Tonne | 152090 | 236998 | 464672 | 473322 | 560825 | 825173 | सल्फर*** |
| 67 | Vermiculite | Tonne | 6674 | 19234 | 19336 | 23279 | 9042 | 6055 | वर्मीकुलाइट |
| 68 | Wollastonite | Tonne | 128582 | 183381 | 186524 | 175348 | 166186 | 153049 | वोलास्टोनाइट |

Source : Data for For 2005-06, 2010-11, 2014-15 & 2015-16 from IMYB & for 2016-17 & 2017-18 from MSMP publications, Indian Bureau of Mines.

स्रोत : 2005-06, 2010-11, 2014-15 और 2015-16 के लिए IMYB और 2016-17 और 2017-18 के लिए MSMP प्रकाशन, भारतीय खान ब्यूरो |

Note : Excluding Atomic and Minor Minerals (P): Provisional/ अनंतिम - not available

** Includes mine waste and waste obtained while dressing of crude mica at the mine site.

*** Obtained as by-product from fertilizer plants and oil refineries. : Blank figure indicate nil

# Data for 2014-15 onwards is not available as these minerals have been declared as minor minerals vide notification dated 10.02.2015.

## Statement 2.03 : Import of Ores and Minerals
## विवरण 2.03 : अयस्कों एवं खनिजों का आयात

(Value in Rs.'000/मूल्य हजार रुपए में)

| Ores & Mineral | Unit यूनिट | 2014-15(R) | | 2015-16(R) | | 2016-17(P) | | अयस्क एंव खनिज |
|---|---|---|---|---|---|---|---|---|
| | | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | |
| **All Minerals** | | ** | **10717327996** | ** | **7387889415** | ** | **8094451080** | **सभी खनिज** |
| Abrasives (Natural) | tonne | 5775 | 80934 | 4943 | 63749 | 4714 | 54479 | अपघर्षी (प्राकृतिक) |
| Alabaster | tonne | 912 | 24831 | 970 | 24062 | 1056 | 28668 | ऐलाबास्टर |
| Alumina | tonne | 790305 | 21244790 | 998446 | 22924845 | 1403569 | 33417506 | ऐलूमिना |
| Andalusite | tonne | 9350 | 201731 | 14072 | 306082 | 10909 | 222534 | ऐंडालूसाइट |
| Antimony Ores And Concs. | tonne | 4711 | 1004076 | 5330 | 924223 | 4756 | 752103 | एन्टिमनी अयस्क एवं सांद्र |
| Arsenic Sulphide (Natural) | tonne | 31 | 2041 | 5 | 297 | 12 | 811 | आर्सेनिक सल्फाइड (प्राकृतिक) |
| Asbestos: Total | tonne | 396493 | 17168105 | 355686 | 14865511 | 310592 | 11279369 | एस्वेस्टोस: कूल |
| Asbestos (Chrysotile) | tonne | 396258 | 17159659 | 354725 | 14834080 | 310592 | 11279369 | सूघट्य मृत्तिका |
| Asbestos (Others) | tonne | 235 | 8446 | 961 | 31431 | --- | --- | बाराइटीज़ |
| Ballclay | tonne | 125384 | 957636 | 167856 | 1298484 | 173359 | 1368666 | बॉक्साइट |
| Barytes | tonne | 7484 | 146614 | 8433 | 189199 | 8818 | 202527 | बेंटोनाइट |
| Bauxite | tonne | 1800689 | 8560886 | 1116010 | 5982901 | 1894927 | 7785093 | बोरेक्स: कूल |
| Bentonite | tonne | 11002 | 316055 | 15225 | 353709 | 28616 | 477965 | बेंटोनाइट |
| Borax: Total | tonne | 146301 | 4474017 | 133551 | 4429455 | 129407 | 4359797 | बोरेक्स: कूल |
| Natural Borate | tonne | 67430 | 1590619 | 53973 | 1413805 | 51976 | 1400792 | प्राकृतिक बोरेट |
| Sodium Borate | tonne | 75332 | 2586805 | 75974 | 2739111 | 67230 | 2417843 | सोडियम बोरेट |
| Other Borates | tonne | 3539 | 296593 | 3604 | 276539 | 10201 | 541162 | अन्य बोरेट्स |
| Building & Monumental Stones Nes | tonne | 759539 | 1438610 | 521202 | 1138891 | 147855 | 506700 | भवन एवं स्मारक पत्थर एनईएस |
| Calcite | tonne | 66450 | 369703 | 43812 | 219917 | 54563 | 264364 | कैल्साइट |
| Chalk | tonne | 26734 | 47715 | 6174 | 46310 | 8211 | 48111 | खड़िया |
| Chromite: Total | tonne | 242685 | 2871479 | 187663 | 2266406 | 154226 | 2105121 | क्रोमाइट: कूल |
| Chrome Ore Others | tonne | 36135 | 517956 | 22981 | 346341 | 40062 | 520622 | क्रोम अन्य |
| Chrome Ore Conc. | tonne | 11331 | 196110 | 11195 | 206037 | 11066 | 167943 | क्रोम अयस्क |
| Chrome Ore Lumps | tonne | 195219 | 2157413 | 153487 | 1714028 | 103098 | 1416556 | क्रोम अयस्क गांठ |
| Clay (Others) | tonne | 14347 | 231877 | 19485 | 266438 | 18997 | 261133 | मृत्तिका (अन्य) |
| Coal(Ex Ligbite) | 000 tonnes | 212106 | 1045300819 | 204000 | 861073456 | 191014 | 1003162924 | कोयला (लिग्नाइट को छोड़कर) |
| Coal:Lignite | 000 tonnes | ++ | 11131 | ++ | 5519 | ++ | 652 | कोयला:लिग्नाइट |
| Coal Gas | tonne | ++ | 1290 | ++ | 75 | --- | --- | कोयला गैस |
| Cobolt Ores & Conc. | tonne | 272 | 366480 | 25 | 44193 | --- | --- | कोबाल्ट अयस्क एवं सांद्र |
| Coke | tonne | 3290324 | 43751479 | 3019502 | 31956109 | 4368063 | 54356105 | कोक |
| Copper Ores & Conc. | tonne | 1702247 | 285028249 | 1886199 | 262965391 | 1143216 | 182986972 | ताम्र अयस्क एवं सांद्र |
| Corundum (Natural) | tonne | --- | --- | --- | --- | ++ | 18 | कोरंडम (प्राकृतिक) |
| Diamond: Total | | ** | 1252140913 | ** | 1105651209 | ** | 1296740696 | हीरा : कूल |
| Diamond (Industrial) | Crt | 520983 | 298568 | 527650 | 495369 | 954463 | 798242 | हीरा (औद्योगिक) |

## Statement 2.03 : Import of Ores and Minerals
## विवरण 2.03 : अयस्कों एवं खनिजों का आयात

(Value in Rs.'000/मूल्य हजार रुपए में)

| Ores & Mineral | Unit यूनिट | 2014-15(R) | | 2015-16(R) | | 2016-17(P) | | अयस्क एंव खनिज |
|---|---|---|---|---|---|---|---|---|
| | | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | |
| Diamond (Mostly Cut) | Crt | ** | 1250347957 | ** | 1103784711 | ** | 1294426046 | हीरा (अधिकांशत: कर्तित) |
| Diamond Powder | 000 crt | 351378 | 1494388 | 287431 | 1371129 | 387540 | 1516408 | हीरा पाउडर |
| Diatomite | tonne | 2122 | 87085 | 2023 | 87086 | 3142 | 113035 | डायटोमाइट |
| Dolomite | tonne | 2014760 | 3146097 | 1931136 | 2998295 | 2010665 | 2999705 | डोलोमाइट |
| Earth Clay | tonne | 4617 | 2979 | 12 | 850 | 598 | 3525 | भू-मृत्तिका |
| Emerald (Cut & Uncut) | | ** | 63062394 | ** | 87263269 | ** | 113428795 | पन्ना (कर्तित और अकर्तित) |
| Emerald (Uncut) | tonne | 32 | 6432925 | 42 | 6643106 | 8 | 18249167 | पन्ना (अकर्तित) |
| Emerald (Cut) | 000 crt | 65144 | 56629469 | 85280 | 80620163 | 96284 | 95179628 | पन्ना (कर्तित) |
| Felspar (Natural) | tonne | 66749 | 242645 | 25716 | 177877 | 35582 | 161647 | फेल्सपार (प्राकृतिक) |
| Felspar (Cut & Uncut) | | ** | 9639 | ** | 21267 | ** | 46896 | फेल्सपार (कर्तित और अकर्तित) |
| Felspar (Uncut) | tonne | 25 | 7288 | 1 | 14827 | 3 | 43535 | फेल्सपार (अकर्तित) |
| Felspar (Cut) | 000 crt | 77 | 2351 | 399 | 6440 | 585 | 3361 | फेल्सपार (कर्तित) |
| Fireclay | tonne | 4 | 137 | 393 | 16841 | 1829 | 60726 | अग्निसह मृत्तिका |
| Flint | tonne | 141 | 2257 | 1279 | 17412 | 1712 | 24263 | चकमक |
| Fluorspar | tonne | 155673 | 2967071 | 163113 | 2908707 | 190446 | 2992257 | फ्लूर्स्पार |
| Garnet(Abrasive) | tonne | 647 | 10297 | 883 | 11053 | 2286 | 22193 | तामड़ा (अपघर्षी) |
| Garnet( Cut And Uncut) | | ** | 68743 | ** | 62630 | ** | 222296 | तामड़ा (कर्तित और अकर्तित) |
| Garnet (Uncut) | tonne | 33 | 59753 | 7 | 59778 | 4 | 204824 | तामड़ा (अकर्तित) |
| Garnet (Cut) | 000 crt | 210 | 8990 | 26 | 2852 | 1571 | 17472 | तामड़ा (कर्तित) |
| Granite : Total | tonne | 65595 | 2269307 | 70288 | 2474283 | 51419 | 1683156 | ग्रेनाइट : कुल |
| Granite(Crude Or Roughly Trimmed) | tonne | 44564 | 1297709 | 42677 | 1252865 | 29740 | 773768 | ग्रेनाइट (क्रूड या मोटे तौर पर छंटनी) |
| Granite (Cut Blocks/Slabes) | tonne | 6290 | 210530 | 14746 | 371882 | 12717 | 303108 | ग्रेनाइट (कट ब्लॉक / स्लैब) |
| Granite (Polished Blocks/Tiles) | tonne | 5017 | 130523 | 2663 | 76453 | 2273 | 87216 | ग्रेनाइट (पॉलिश ब्लॉक / टाइलें) |
| Granite (Others) | tonne | 9724 | 630545 | 10202 | 773083 | 6689 | 519064 | ग्रेनाइट (अन्य) |
| Graphite (Natural) | tonne | 28552 | 1335288 | 26160 | 1213354 | 37046 | 1391091 | ग्रेफाइट (प्राकृतिक) |
| Gypsum & Plaster | tonne | 4421048 | 6747745 | 4068412 | 5713627 | 4423811 | 6051112 | जिप्सम एवं प्लास्टर |
| Iron Ore: Total | 000 tonnes | 12093 | 65947375 | 7099 | 31971444 | 4607 | 21615219 | लौह अयस्क: कुल |
| Iron Ore Conc:Non-Agglomated | 000 tonnes | 4939 | 24964666 | 2565 | 11462874 | 2352 | 10404621 | आयरन ओर कॉन: नॉन एग्लोमेरेटेड |
| Iron Ore Fines | 000 tonnes | 4837 | 25280627 | 2543 | 10392709 | 866 | 3825369 | लौह अयस्क जुर्माना |
| Iron Ore Lumps | 000 tonnes | 1657 | 10498110 | 1709 | 8162529 | 994 | 4824935 | लौह अयस्क गांठ |
| Iron Ore Pellates | 000 tonnes | 656 | 5151575 | 279 | 1907301 | 392 | 2520827 | लौह अयस्क छर्रों |
| Iron Ore Pyrites | 000 tonnes | 4 | 52397 | 3 | 46031 | 3 | 39467 | लौह अयस्क पिरामिड |
| Kaolin | tonne | 93322 | 1662634 | 118524 | 1996776 | 142928 | 2393952 | केओलिन |

## Statement 2.03 : Import of Ores and Minerals
## विवरण 2.03 : अयस्कों एवं खनिजों का आयात

(Value in Rs.'000/मूल्य हजार रुपए में)

| Ores & Mineral | Unit यूनिट | 2014-15(R) | | 2015-16(R) | | 2016-17(P) | | अयस्क एंव खनिज |
|---|---|---|---|---|---|---|---|---|
| | | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | |
| Kieselgurh | tonne | 20 | 803 | ++ | 73 | ++ | 139 | किसेलगूहर |
| Kyanite | tonne | 508 | 17006 | 478 | 16913 | 748 | 16619 | कायनाइट |
| Lead Ores & Concs. | tonne | 39441 | 3846804 | 5334 | 264663 | 6217 | 318697 | सीसा अयस्क एवं सांद्र |
| Lime Stone | tonne | 13943781 | 22138585 | 17187164 | 23772768 | 18300359 | 24384182 | चूना पत्थर |
| Magnesite : Total | tonne | 102077 | 3327761 | 118788 | 3256840 | 142599 | 3089947 | मैग्नेसाइट : कूल |
| Magnesia (Fused) | tonne | 5993 | 245797 | 10348 | 430234 | 7961 | 335634 | मैग्नेशिया (फ्यूजेड) |
| Magnesite (Not Calcined) | tonne | 9286 | 48413 | 33166 | 146403 | 53833 | 158425 | मैग्नेसाइट (कैलक्लाइंड नहीं) |
| Magnesite (Calcined) | tonne | 12347 | 458054 | 4019 | 146577 | 11062 | 259910 | मैग्नेसाइट (कैलक्लाइंड) |
| Magnesite:Dead-Burnt Magnesia | tonne | 42316 | 1423690 | 46306 | 1589859 | 40332 | 1218748 | मैग्नेसाइट: डेड-बर्न मैग्नेशिया |
| Magnesium Oxide | tonne | 18687 | 616177 | 15024 | 575690 | 15549 | 583658 | मैग्नीशियम ऑक्साइड |
| Magnesite (Other) | tonne | 13448 | 535630 | 9925 | 368077 | 13862 | 533572 | मैग्नेसाइट (अन्य) |
| Manganese Ore: Total | tonne | 3172858 | 34669120 | 2216864 | 17413688 | 1908258 | 24028138 | मैंगनीज अयस्क: कूल |
| Manganese Ore (46% Or More Mn) | tonne | 892093 | 11730476 | 588896 | 5376550 | 349679 | 4713328 | मैंगनीज अयस्क(46% या अधिक Mn) |
| Manganese Ore (35% Or More But Below 46% Mn) | tonne | 2090849 | 21380159 | 1385986 | 10479877 | 1058082 | 12582178 | मैंगनीज अयस्क (35% या अधिक लेकिन 46% एमएन से नीचे) |
| Manganese Ore (30% Or More But Below 35% Mn) | tonne | 170570 | 1426501 | 199508 | 1358838 | 90339 | 794569 | मैंगनीज अयस्क (30% या अधिक लेकिन 35% एमएन से नीचे) |
| Manganese Ore (Ferruginous,10 % Or More But Below 30% | tonne | 19345 | 129611 | 27362 | 120220 | 30069 | 232961 | मैंगनीज अयस्क (Ferruginous, 10% या अधिक लेकिन 30% से नीचे |
| Manganese Ore (Others) | tonne | 1 | 2373 | 15112 | 78203 | 380089 | 5705102 | मैंगनीज अयस्क (अन्य) |
| Marble : Total | tonne | 778503 | 23839858 | 858061 | 27392157 | 882265 | 26142989 | संगमरमर: कूल |
| Marble (Dresssed) | tonne | 640645 | 14860505 | 715794 | 17764553 | 724933 | 15714716 | संगमरमर (कपड़े पहने) |
| Marble (Others) | tonne | 137858 | 8979353 | 142267 | 9627604 | 157332 | 10428273 | संगमरमर (अन्य) |
| Mica: Total | tonne | 2240 | 703135 | 2471 | 895589 | 3257 | 944983 | मीका: कूल |
| Mica (Unmanufactured) | tonne | 967 | 38596 | 984 | 56495 | 1909 | 86177 | मीका (गैर-विनिर्मित) |
| Mica (Blocks) | tonne | 3 | 520 | 73 | 3803 | 193 | 6295 | मीका (ब्लॉक) |
| Mica (Powder) | tonne | 298 | 23158 | 317 | 27701 | 468 | 40779 | मीका (पाउडर) |
| Mica (Splittings) | tonne | 597 | 13218 | 590 | 24045 | 878 | 30511 | मीका (विभाजन) |
| Mica (Waste & Scrap) | tonne | 69 | 1700 | 4 | 946 | 370 | 8592 | मीका (अपशिष्ट और स्क्रैप) |
| Mica (Worked) | tonne | 1273 | 664539 | 1487 | 839094 | 1348 | 858806 | मीका (काम किया) |

## Statement 2.03 : Import of Ores and Minerals
## विवरण 2.03 : अयस्कों एवं खनिजों का आयात

(Value in Rs.'000/मूल्य हजार रुपए में)

| Ores & Mineral | Unit यूनिट | 2014-15(R) | | 2015-16(R) | | 2016-17(P) | | अयस्क एंव खनिज |
|---|---|---|---|---|---|---|---|---|
| | | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | |
| Mica (Cond. Films, Plates, Cuts Nes) | tonne | 3 | 3273 | 14 | 4457 | 2 | 3963 | मीका(Cond. फिल्म्स, प्लेट्स, कट्स नेस) |
| Mica (Washers & Discs) | tonne | 17 | 11968 | ++ | 98 | ++ | 240 | मीका (वाशर और डिस्क) |
| Mica (Sheets & Strips) | tonne | 369 | 34820 | 187 | 21668 | 91 | 15209 | मीका (शीट्स और स्ट्रिप्स) |
| Micanite & Other Built-Up Mica | tonne | --- | --- | ++ | 1 | --- | --- | माइकेनाइट और अन्य निर्मित मीका |
| Mica (Bricks) | tonne | ++ | 58 | --- | --- | --- | --- | मीका (ईंटें) |
| Mica Worked (Others) | tonne | 884 | 614420 | 1286 | 812870 | 1255 | 839394 | मीका ने काम किया (अन्य) |
| Molybdenum Ores & Conc. | tonne | 8093 | 8646302 | 7511 | 4903721 | 7139 | 5442499 | मोलिब्डेनम अयस्कों और Conc। |
| Natural Gas | tonne | 13289155 | 563400559 | 14376924 | 437824474 | 17783327 | 402490252 | प्राकृतिक गैस |
| Nickel Ores & Concs. | tonne | 4185 | 3842487 | 3295 | 2453862 | 1062 | 818094 | निकेल अयस्क एवं सांद्र |
| Niobium Or Tantalum Ores And Concs. | tonne | 115 | 179733 | 191 | 246581 | 169 | 284038 | नायोबियम या टैन्टेलम अयस्क एवं सांद्र |
| Ochre: Total | tonne | 176 | 25953 | 135 | 33919 | 122 | 19061 | गैरिक : कुल |
| Ochre: Earth Colours | tonne | 37 | 1823 | 48 | 3860 | 80 | 4723 | गेरू: पृथ्वी के रंग |
| Ochre:Yellow Ochre | tonne | 18 | 5211 | 7 | 4877 | 26 | 9861 | गेरू: पीला गेरू |
| Ochre: Persian Red | tonne | ++ | 96 | 2 | 1840 | 2 | 1573 | गेरू: फारसी लाल |
| Ochre: Red Oxide | tonne | 121 | 18823 | 78 | 23342 | 14 | 2904 | गेरू: लाल ऑक्साइड |
| Petroleum (Crude) | 000 tonnes | 187913 | 7093793565 | 202314 | 4293999336 | 214886 | 4742189329 | पेट्रोलियम (क्रूड) |
| Precious & Semi-Precious Stones (Cut & Uncut):Total | | ** | 14675049 | ** | 21000369 | ** | 24660623 | बहुमूल्य एवं अर्ध बहुमूल्य पत्थर (कर्तित एवं अकर्तित) : कुल |
| Precious & Semi Precious Stones (Uncut) | tonne | 1440 | 11430258 | 733 | 18329975 | 1627 | 21217503 | बहुमूल्य एवं अर्ध बहुमूल्य पत्थर (अकर्तित) |
| Precious & Semi Precious Stones Cut | 000 crt | 119716 | 3244791 | 49389 | 2670394 | 52805 | 3443120 | बहुमूल्य एवं अर्ध बहुमूल्य पत्थर (कर्तित) |
| Preciuos Metal Ores & Concentrates | Kg | 101602 | 22252599 | 78654 | 13658295 | 83322 | 19423078 | बहुमूल्य धातु अयस्क एवं सांद्र |
| Quartz & Quartzite: Total | tonne | 215 | 10403 | 1224 | 43801 | 383 | 12001 | स्फटिक एवं क्वार्ट्ज़ाइट: कुल |

## Statement 2.03 : Import of Ores and Minerals
## विवरण 2.03 : अयस्कों एवं खनिजों का आयात

(Value in Rs.'000/मूल्य हजार रुपए में)

| Ores & Mineral | Unit यूनिट | 2014-15(R) | | 2015-16(R) | | 2016-17(P) | | अयस्क एंव खनिज |
|---|---|---|---|---|---|---|---|---|
| | | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | |
| Quartz (Natural) | tonne | 31 | 2010 | 1027 | 33656 | 237 | 6124 | क्वार्ट्ज (प्राकृतिक) |
| Quartzite(Natural) | tonne | 184 | 8393 | 197 | 10145 | 146 | 5877 | क्वार्टजाइट (प्राकृतिक) |
| Rock Phosphate | tonne | 8273261 | 61888711 | 8037745 | 65290422 | 7511445 | 49513134 | रॉक फास्फेट |
| Salt ( Other than Common Salt) | tonne | 41300 | 113604 | 55642 | 173741 | 52901 | 173687 | लवण (आम लवण से भिन्न) |
| Sand, Excl. Metal Bearing | tonne | 58237 | 98437 | 165150 | 375079 | 31668 | 140869 | बालू (प्रवाहक को छोड़कर) |
| Sandstone | tonne | ++ | 18 | 26 | 3101 | ++ | 21 | बलुआ पत्थर |
| Silica Sand | tonne | 76529 | 556336 | 18788 | 226224 | 102430 | 516410 | सिलिका बालू# |
| Sillimanite | tonne | 116 | 10754 | 214 | 9044 | 24 | 3029 | सिलीमेनाइट |
| Slate | tonne | 472 | 16814 | 134 | 11295 | 18 | 5323 | स्लेट |
| Steatite : Total | tonne | 3693 | 130505 | 4533 | 198575 | 3593 | 204909 | सेलखड़ी : कुल |
| Steatite Blocks | tonne | --- | --- | --- | --- | --- | --- | स्टीटाइट ब्लॉक |
| Steatite Lumps | tonne | 908 | 7135 | 55 | 779 | 107 | 887 | स्टीटाइट्स गांठ |
| Steatite Powder & Others | tonne | 2785 | 123370 | 4478 | 197796 | 3486 | 204022 | स्टीटाइट पाउडर और अन्य |
| Sulphur (Excl. Sublimed,Ppt. & Colloidal) | tonne | 1626407 | 17445433 | 1432632 | 14172610 | 1345520 | 8751428 | सल्फर (ऊर्ध्वपातित अवक्षेपित कोलॉइडी को छोड़कर) |
| Tin Ores & Concs. | tonne | --- | --- | 82 | 58039 | 68 | 37334 | निकेल अयस्क एवं सांद्र |
| Titanium Ores & Conc.: Total | tonne | 51991 | 971521 | 106422 | 1637170 | 39444 | 867776 | टाइटेनियम अयस्क एवं सांद्र : कुल |
| Titanium Ores And Conc.(Ileminite) | tonne | 40894 | 408590 | 90991 | 916146 | 25121 | 252948 | टाइटेनियम अयस्कों और Conc। (इल्मेनाइट) |
| Titanium Ores And Conc.(Rutitle) | tonne | 8736 | 447124 | 11649 | 557798 | 9322 | 427599 | टाइटेनियम अयस्कों और Conc। (रूटाइल) |
| Titanium Ores And Conc.(Others) | tonne | 2361 | 115807 | 3782 | 163226 | 5001 | 187229 | टाइटेनियम अयस्कों और Conc। (अन्य) |
| Tripoli Earth | tonne | --- | --- | 20 | 825 | 19 | 817 | त्रिपोली पृथ्वी |
| Tungsten Ores & Concs. | tonne | 191 | 61582 | 78 | 34080 | 283 | 29630 | टंगस्टेन अयस्क एवं सांद्र |
| Vanadium Ores & Others | tonne | 19 | 1378 | 64 | 6301 | 268 | 15868 | वेनेडीयम अयस्क एवं सांद्र |
| Vermiculite | tonne | 391 | 11486 | 439 | 15093 | 551 | 14412 | वर्मीकुलाइट |
| Witherite | tonne | 184 | 5261 | ++ | 20 | --- | --- | वेदराइट |
| Wollastonite | tonne | 1948 | 32549 | 2818 | 53218 | 3483 | 73052 | वोलास्टोनाइट |
| Zinc Ores & Concs. | tonne | 35696 | 1693837 | 385 | 18721 | 1771 | 86640 | जस्ता अयस्क एवं सांद्र |
| Zirconium Ores & Conc. | tonne | 47656 | 3331466 | 53208 | 3691649 | 73932 | 4569039 | जिरकोनियम अयस्क एवं सांद्र |
| Other Minerals Nes | tonne | 74553 | 2285428 | 59203 | 805957 | 299438 | 1590851 | अन्य खनिज एनईएस |

*Source: DGCI & S,Kolkata,*
*Indian Bureau of Mines*

*स्रोत: DGCI & S, कोलकाता, भारतीय खान ब्यूरो*

** :Quantity not additive. ++: Negligible (P) - Provisional / अनंतिम - Nil R : Revised

## Statement 2.04 : Export of Ores and Minerals (including re-export)
## विवरण 2.04 : अयस्कों एवं खनिजों का निर्यात (पुन: निर्यात सहित)

*(Value in Rs.'000/मूल्य हजार रुपए में)*

| Ores & Mineral | Unit | 2014-15 (R ) | | 2015-16(R ) | | 2016-17(P) | | अयस्क एंव खनिज |
|---|---|---|---|---|---|---|---|---|
| | | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | |
| All Minerals | | ** | 1780194116 | ** | 1709463248 | ** | 2001306842 | सभी खनिज |
| Abrasive (natural) | tonne | 31901 | 516071 | 4477 | 59894 | 4773 | 66649 | अपघर्षी (प्राकृतिक) |
| Alabaster | tonne | 21 | 140 | --- | --- | 20 | 240 | ऐलाबास्टर |
| Alumina | tonne | 1583590 | 32974205 | 1368526 | 25895759 | 1509464 | 30030430 | ऐलूमिना |
| Andalusite | tonne | 4 | 127 | --- | --- | 150 | 2063 | ऐंडालूसाइट |
| Antimony ores & conc. | tonne | --- | --- | 264 | 115561 | 46 | 9646 | एन्टिमनी अयस्क एवं सांद्र |
| Arsenic sulphide (natural) | tonne | --- | --- | 15 | 98 | --- | --- | आर्सेनिक सल्फाइड (प्राकृतिक) |
| Asbestos: Total | tonne | 393 | 12026 | 524 | 23587 | 102 | 963 | एस्वेस्टोस: कुल |
| Asbestos (chrysotile) | tonne | 248 | 11511 | 306 | 22919 | 26 | 395 | एस्बेस्टस (क्रिसटाइल) |
| Asbestos (others) | tonne | 145 | 515 | 218 | 668 | 76 | 568 | अभ्रक (अन्य) |
| Ball clay | tonne | 57557 | 194269 | 61536 | 148435 | 92688 | 233666 | सुघट्य मृत्तिका |
| Barytes | tonne | 651571 | 4525674 | 743407 | 6517075 | 1067313 | 7669141 | बाराइटीज़ |
| Bauxite | tonne | 6808588 | 14050662 | 8914624 | 19527404 | 2790675 | 5105333 | बॉक्साइट |
| Bentonite | tonne | 1300083 | 3999734 | 1572469 | 4814343 | 1538134 | 4798150 | बेंटोनाइट |
| Borax: Total | tonne | 2655 | 164699 | 1724 | 124645 | 2480 | 164054 | बोरेक्स: कुल |
| Natural borate | tonne | 102 | 1026 | 141 | 1513 | 65 | 1329 | प्राकृतिक बोरेट |
| Sodium borate | tonne | 2114 | 95148 | 1135 | 51516 | 1969 | 93325 | सोडियम बोरेट |
| Other Borates | tonne | 439 | 68525 | 448 | 71616 | 446 | 69400 | अन्य बोरेट्स |
| Building and monumental Stones NES | tonne | 6127052 | 7786183 | 5133276 | 8489458 | 8211193 | 12089834 | भवन एवं स्मारक पत्थर एनईएस |
| Calcite | tonne | 30768 | 192309 | 25198 | 177976 | 26981 | 202616 | कैल्साइट |
| Chalk | tonne | 490 | 2978 | 481 | 3818 | 659 | 4550 | खड़िया |
| Chromite: Total | tonne | 25361 | 659259 | 71839 | 1314085 | 230531 | 3657700 | क्रोमाइट: कुल |
| Chrome ore others | tonne | 16364 | 328552 | 1867 | 26219 | 81502 | 1091305 | क्रोम अयस्क अन्य |
| Chrome ore conc. | tonne | 8997 | 330707 | 69972 | 1287852 | 149029 | 2566395 | क्रोम अयस्क का संक्षिप्त रूप। |
| Chrome ore lumps | tonne | --- | --- | ++ | 14 | --- | --- | क्रोम अयस्क गांठ |
| Clay (others) | tonne | 25515 | 217300 | 23341 | 312553 | 40343 | 459495 | मृत्तिका (अन्य) |
| Coal (excluding lignite) | '000 tonnes | 1237 | 7202914 | 1576 | 9006274 | 1772 | 9669603 | कोयला (लिग्नाइट को छोड़कर) |
| Coal lignite | '000 tonnes | 1 | 13882 | ++ | 2753 | 2 | 251598 | कोयला लिग्नाइट |
| Coke | tonne | 98003 | 1090634 | 89847 | 1073159 | 77642 | 992815 | कोक |
| Coal gas | tonne | 32 | 7820 | 1 | 99 | ++ | 95 | कोयला गैस |
| Cobalt ores & conc. | tonne | ++ | 4 | ++ | 44 | ++ | 20 | कोबाल्ट अयस्क एवं सांद्र |
| Copper ores & conc. | tonne | 1 | 10 | 11432 | 712919 | 22711 | 1054322 | ताम्र अयस्क एवं सांद्र |
| Diamond | | ** | 1481021701 | ** | 1427340191 | ** | 1627066250 | हीरा |
| Diamond (mostly cut) | ct | ** | 1480557682 | ** | 1426640484 | ** | 1625672978 | हीरा (अधिकांशत: कर्तित) |
| Diamond (industrial) | ct | 4351127 | 168693 | 5651009 | 342214 | 6769897 | 1099542 | हीरा (औद्योगिक) |
| Diamond powder | '000 ct | 18705 | 295326 | 9702 | 357493 | 8197 | 293730 | हीरा पाउडर |
| Diatomite | tonne | 87845 | 778088 | 30597 | 328268 | 38427 | 362900 | डायटोमाइट |
| Dolomite | tonne | 44620 | 156629 | 85273 | 155664 | 61023 | 234402 | डोलोमाइट |
| Earth clay | tonne | 8915 | 60466 | 9000 | 87142 | 5792 | 61644 | भू-मृत्तिका |
| Emerald (cut & uncut):Total | | ** | 15945392 | ** | 17879971 | ** | 20340187 | पन्ना (कर्तित और अकर्तित) : कुल |
| Emerald (uncut) | tonne | 3 | 731854 | 2 | 1938487 | 2 | 2301688 | पन्ना (अकर्तित) |
| Emerald (cut) | '000 ct | 142515 | 15213538 | 138459 | 15941484 | 131357 | 18038499 | पन्ना (कर्तित) |

## Statement 2.04 : Export of Ores and Minerals (including re-export)
## विवरण 2.04 : अयस्कों एवं खनिजों का निर्यात (पुन: निर्यात सहित)

*(Value in Rs.'000/मूल्य हजार रुपए में)*

| Ores & Mineral | Unit | 2014-15 (R ) | | 2015-16(R ) | | 2016-17(P) | | अयस्क एंव खनिज |
|---|---|---|---|---|---|---|---|---|
| | | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | |
| Felspar (natural) | tonne | 589820 | 2876166 | 426172 | 2232791 | 481457 | 2495595 | फेल्सपार (प्राकृतिक) |
| Felspar (cut & uncut): Total | | ** | 26488 | ** | 41189 | ** | 239664 | फेल्सपार (कर्तित और अकर्तित) : कुल |
| Felspar (uncut) | tonne | ++ | 841 | 38 | 1278 | 1 | 1972 | फेल्सपार (अकर्तित) |
| Felspar (cut) | '000 ct | 4031 | 25647 | 143300 | 39911 | 402811 | 237692 | फेल्सपार (कर्तित) |
| Fire clay | tonne | 2503 | 16318 | 887 | 10775 | 4324 | 14883 | अग्निसह मृत्तिका |
| Flint | tonne | 484 | 3991 | 867 | 7660 | 652 | 6619 | चकमक |
| Fluorspar | tonne | 561 | 20763 | 316 | 11578 | 608 | 21579 | फ्लूर्स्पार |
| Garnet (abrasive) | tonne | 448559 | 5673827 | 480408 | 5950862 | 387276 | 4691843 | तामड़ा (अपघर्षी) |
| Garnet (cut and uncut): Total | | ** | 31070 | ** | 25405 | ** | 241716 | तामड़ा (कर्तित और अकर्तित) : कुल |
| Garnet (uncut) | tonne | ++ | 2870 | ++ | 274 | 10 | 11935 | तामड़ा (अकर्तित) |
| Garnet (cut) | '000 ct | 1009 | 28200 | 1062 | 25131 | 4442 | 229781 | तामड़ा (कर्तित) |
| Granite : Total | tonne | 6563271 | 98322398 | 5674568 | 92720986 | 6094341 | 93368588 | ग्रेनाइट : कुल |
| Granite (crude or roughly trimmed) | tonne | 4508446 | 33917164 | 3398523 | 26999328 | 3572213 | 26647327 | ग्रेनाइट (कच्चे या मोटे तौर पर छंटे हुए) |
| Granite (cut blocks/slabs) | tonne | 407990 | 3659898 | 659991 | 5966547 | 752239 | 6443590 | ग्रेनाइट (कट ब्लॉक / स्लैब) |
| Granite (polished blocks/tiles) | tonne | 196656 | 5226205 | 153914 | 4358163 | 164056 | 4077170 | ग्रेनाइट (पॉलिश किए गए ब्लॉक / टाइलें) |
| Granite (others) | tonne | 1450179 | 55519131 | 1462140 | 55396948 | 1605833 | 56200501 | ग्रेनाइट (अन्य) |
| Graphite (natural) | tonne | 2669 | 86578 | 286 | 17070 | 402 | 30315 | ग्रेफाइट (प्राकृतिक) |
| Gypsum | tonne | 65645 | 158036 | 110882 | 291061 | 194493 | 523392 | जिप्सम |
| Iron ore: Total | '000 tonnes | 7297 | 31436684 | 5441 | 12639633 | 30728 | 102929254 | लौह अयस्क: कुल |
| Iron ore conc: non agglomerated | '000 tonnes | 70 | 312791 | ++ | 8032 | 1107 | 2846476 | लौह अयस्क की उपस्थिति: गैर-एग्लोमेरेटेड |
| Iron ore fines | '000 tonnes | 5807 | 22120939 | 4635 | 8763003 | 18540 | 47421383 | लौह अयस्क का जुर्माना |
| Iron ore lumps | '000 tonnes | 662 | 2559524 | 112 | 185059 | 2266 | 6792560 | लौह अयस्क की गांठ |
| Iron ore pellets | '000 tonnes | 758 | 6434851 | 694 | 3675792 | 8815 | 45847775 | लौह अयस्क छर्रों |
| Iron ore pyrites | '000 tonnes | ++ | 8579 | ++ | 7747 | ++ | 21060 | आयरन ओर पाइराइट |
| Kaolin | tonne | 258330 | 941752 | 304702 | 1105587 | 232867 | 1136299 | केओलिन |
| Kieselguhr | tonne | 137 | 2494 | 90 | 1900 | 39 | 931 | किसेलगूहर |
| Kyanite | tonne | 39 | 505 | 144 | 2703 | 153 | 3052 | कायनाइट |
| Lead ores & conc. | tonne | 509 | 22298 | ++ | 215 | 1 | 33 | सीसा अयस्क एवं सांद्र |
| Limestone | tonne | 3812759 | 4671971 | 3236010 | 4694274 | 4330822 | 4990065 | चूना पत्थर |
| Magnesite : Total | tonne | 6612 | 120898 | 6204 | 124464 | 8065 | 135150 | मैग्नेसाइट : कुल |
| Magnesia (fused) | tonne | 565 | 22180 | 708 | 28794 | 620 | 23858 | मैग्नेशिया (जुड़े हुए) |
| Magnesite (not calcined) | tonne | 123 | 5340 | 789 | 14604 | 597 | 13781 | मैग्नेसाइट (शांत नहीं) |
| Magnesite (calcined) | tonne | 1 | 48 | --- | --- | --- | --- | मैग्नेसाइट (कैलक्लाइंड) |
| Magnesite dead-burnt magnesia | tonne | 114 | 2923 | 37 | 1322 | 70 | 2152 | मैग्नेसाइट मृत-जले हुए मैग्नेशिया |
| Magnesium oxide | tonne | 1251 | 32690 | 1268 | 38212 | 1150 | 34910 | मैग्नीशियम ऑक्साइड |
| Magnesite (other) | tonne | 4558 | 57717 | 3402 | 41532 | 5628 | 60449 | मैग्नेसाइट (अन्य) |
| Manganese ore: Total | tonne | 11026 | 65399 | 444 | 18945 | 244 | 12377 | मैंगनीज अयस्क : कुल |

## Statement 2.04 : Export of Ores and Minerals (including re-export)
## विवरण 2.04 : अयस्कों एवं खनिजों का निर्यात (पुन: निर्यात सहित)

*(Value in Rs.'000/मूल्य हजार रुपए में)*

| Ores & Mineral | Unit | 2014-15 (R ) | | 2015-16(R ) | | 2016-17(P) | | अयस्क एंव खनिज |
|---|---|---|---|---|---|---|---|---|
| | | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | |
| Manganese ore (35% Or More But below 46% MN) | tonne | --- | --- | --- | --- | 7 | 35 | मैंगनीज अयस्क (35% या अधिक लेकिन 46% एमएन से नीचे) |
| Manganese ore (46% Or More MN) | tonne | --- | --- | 93 | 317 | ++ | 13 | मैंगनीज अयस्क (46% या अधिक MN) |
| Manganese ore (others) | tonne | 11026 | 65399 | 351 | 18628 | 237 | 12329 | मैंगनीज अयस्क (अन्य) |
| Marble : Total | tonne | 325707 | 5990617 | 289853 | 5998393 | 326977 | 7048204 | मार्बल : कुल |
| Marble (dressed) | tonne | 209956 | 2809953 | 181895 | 2472912 | 200307 | 2706455 | संगमरमर |
| Marble (others) | tonne | 115751 | 3180664 | 107958 | 3525481 | 126670 | 4341749 | संगमरमर (अन्य) |
| Mica: Total | tonne | 141100 | 4263736 | 135805 | 4229719 | 135163 | 4555655 | अभ्रक : कुल |
| Mica (unmanufactured): Total | tonne | 140450 | 3421154 | 135085 | 3444188 | 134423 | 3744499 | अभ्रक (गैर विनिर्मित) : कुल |
| Mica (blocks) | tonne | 2178 | 200401 | 1879 | 199920 | 1776 | 176318 | मीका (ब्लॉक) |
| Mica (splittings) | tonne | 10730 | 340648 | 11611 | 295741 | 11327 | 357882 | मीका (विभाजन) |
| Mica (powder) | tonne | 90312 | 2023889 | 89716 | 2250836 | 86910 | 2394726 | मीका (पाउडर) |
| Mica (condenser films) | tonne | 1 | 3494 | --- | --- | ++ | 289 | मीका (संघनित्र फिल्में) |
| Mica (waste & scrap) | tonne | 37229 | 852722 | 31879 | 697691 | 34410 | 815284 | मीका (अपशिष्ट और स्क्रैप) |
| Mica (worked): Total | tonne | 650 | 842582 | 720 | 785531 | 740 | 811156 | अभ्रक (वर्क्ड) : कुल |
| Mica (cond. films, plates, cuts NES) | tonne | 1 | 12193 | 8 | 26632 | 4 | 6728 | मीका (कोंड। फ़िल्में, प्लेटें, कटौती NES) |
| Mica (washers & discs) | tonne | 81 | 153514 | 15 | 45579 | 6 | 14182 | मीका (वाशर और डिस्क) |
| Mica (sheets & strips) | tonne | 58 | 75599 | 49 | 85074 | 43 | 76565 | मीका (शीट और स्ट्रिप्स) |
| Micanite & other built-up mica | tonne | 15 | 6072 | ++ | 1285 | 1 | 2651 | माइक्रोनाइट और अन्य बिल्ट-अप अभ्रक |
| Mica worked (others) | tonne | 495 | 595204 | 648 | 626961 | 686 | 711030 | मीका (अन्य) |
| Molybdenum ores & conc. | tonne | 24 | 17801 | 45 | 2199 | 22 | 1005 | मॉलब्डेनम अयस्क एवं सांद्र |
| Niobium or tantalum ores & conc. | tonne | 24 | 24238 | --- | --- | 2 | 7277 | नायोबियम या टैन्टेलम अयस्क एवं सांद्र |
| Natural gas | tonne | 138168 | 4901801 | 126951 | 3798603 | 37072 | 1521058 | नेचुरल गैस |
| Nickel ores & conc. | tonne | 41 | 1452 | 125 | 11510 | --- | --- | निकेल अयस्क एवं सांद्र |
| Ochre: Total | tonne | 4034 | 92570 | 3633 | 75045 | 3360 | 78711 | गैरिक : कुल |
| Ochre: earth colours | tonne | 1761 | 24363 | 1760 | 23549 | 1621 | 21898 | गेरू: पृथ्वी के रंग |
| Ochre (persian red) | tonne | ++ | 62 | --- | --- | 23 | 2958 | गेरू (फारसी लाल) |
| Ochre (red oxide) | tonne | 1901 | 56730 | 1385 | 37451 | 1337 | 39176 | गेरू (लाल ऑक्साइड) |
| Ochre:yellow ochre | tonne | 372 | 11415 | 488 | 14045 | 379 | 14679 | गेरू: पीला गेरू |
| Precious & semi-precious stones (cut & uncut):Total | | ** | 12993424 | ** | 12590259 | ** | 11080271 | बहुमूल्य एवं अर्ध बहुमूल्य पत्थर (कर्तित एवं अकर्तित) : कुल |
| Precious & semi precious stones (uncut) | tonne | 1278 | 1772426 | 1318 | 1169574 | 1052 | 1114955 | बहुमूल्य एवं अर्ध बहुमूल्य पत्थर (अकर्तित) |
| Precious & semi precious stones (cut) | '000 ct | 1869867 | 11220998 | 3672035 | 11420685 | 2480729 | 9965316 | बहुमूल्य एवं अर्ध बहुमूल्य पत्थर (कर्तित) |
| Precious metal ores & concentrates | kg | 10000 | 24 | 144051 | 3166 | 5743 | 71 | बहुमूल्य धातु अयस्क एवं सांद्र |
| Quartz and quartzite: Total | tonne | 410497 | 2938736 | 388192 | 3025919 | 488800 | 3579270 | स्फटिक एवं क्वार्ट्ज़ाइट: कुल |
| Quartz (natural) | tonne | 337231 | 2090204 | 301226 | 2023651 | 387880 | 2410657 | क्वार्ट्ज (प्राकृतिक) |

## Statement 2.04 : Export of Ores and Minerals (including re-export)
## विवरण 2.04 : अयस्कों एवं खनिजों का निर्यात (पुन: निर्यात सहित)

*(Value in Rs.'000/मूल्य हजार रुपए में)*

| Ores & Mineral | Unit | 2014-15 (R ) | | 2015-16(R ) | | 2016-17(P) | | अयस्क एंव खनिज |
|---|---|---|---|---|---|---|---|---|
| | | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | Quantity मात्रा | Value मूल्य | |
| Quartzite (natural) | tonne | 73266 | 848532 | 86966 | 1002268 | 100920 | 1168613 | क्वार्टजाइट (प्राकृतिक) |
| Rock phosphate | tonne | 437 | 2916 | 14242 | 69097 | 5915 | 8615 | रॉक फास्फेट |
| Salt (other than common salt) | tonne | 4776491 | 6390687 | 5926639 | 6701176 | 7897937 | 7450785 | लवण (आम लवण से भिन्न) |
| Sand (excl. metal bearing) | tonne | 10751 | 342836 | 14476 | 491906 | 17284 | 369425 | बालू (प्रवाहक को छोड़कर) |
| Sandstone | tonne | 627008 | 8523123 | 744657 | 10161784 | 710400 | 9071313 | बलुआ पत्थर |
| Silica sand | tonne | 1216 | 9802 | 709 | 6725 | 1096 | 8669 | सिलिका बालू# |
| Sillimanite | tonne | 17304 | 141262 | 15078 | 110847 | 14064 | 114678 | सिलीमेनाइट |
| Slate : Total | tonne | 100447 | 1867164 | 97591 | 1927313 | 122097 | 2343209 | स्लेट : कुल |
| Slate (worked) | tonne | 23922 | 659827 | 20461 | 703193 | 19161 | 919805 | स्लेट (काम) |
| Slate (others) | tonne | 76525 | 1207337 | 77130 | 1224120 | 102936 | 1423404 | स्लेट (अन्य) |
| Talc/Steatite/Soapstone : Total | tonne | 158405 | 2156562 | 187287 | 2709689 | 251546 | 3456143 | टैल्क/सेलखड़ी/साबुन का पत्थर : कुल |
| Steatite blocks | tonne | 1056 | 19327 | 2621 | 33768 | 11061 | 83953 | सेलखड़ी ब्लॉक |
| Steatite lumps | tonne | 7926 | 96594 | 12736 | 222368 | 38986 | 573101 | सेलखड़ी के लंप्स |
| Steatite powder & others | tonne | 149423 | 2040641 | 171930 | 2453553 | 201499 | 2799089 | सेलखड़ी पाउडर और अन्य |
| Sulphur (exc. sublimed precipitated & colloidal) | tonne | 397399 | 3714082 | 628164 | 5157081 | 616472 | 3469350 | सल्फर (ऊर्ध्वपातित अवक्षेपित कोलॉइडी को छोड़कर) |
| Tin ores & conc. | tonne | --- | --- | ++ | 14 | --- | --- | निकेल अयस्क एवं सांद्र |
| Titanium ores & conc.: Total | tonne | 779598 | 7179648 | 790489 | 6644935 | 532204 | 5716719 | टाइटेनियम अयस्क एवं सांद्र : कुल |
| Titanium ores & conc.(Ilmenite) | tonne | 775192 | 6956324 | 783656 | 6302008 | 529822 | 5586178 | टाइटेनियम अयस्क एवं सांद्र (Ilmenite) |
| Titanium ores & conc.(Rutile) | tonne | 4332 | 217945 | 6722 | 336087 | 2048 | 108327 | टाइटेनियम अयस्क एवं सांद्र (Rutile) |
| Titanium ores & conc.(Others) | tonne | 74 | 5379 | 111 | 6840 | 334 | 22214 | टाइटेनियम अयस्क एवं सांद्र (Others) |
| Tungsten ores & conc. | tonne | 175 | 29666 | 1 | 390 | 8 | 6064 | टंगस्टेन अयस्क एवं सांद्र |
| Vanadium ores & conc. | tonne | --- | --- | --- | --- | ++ | 25 | वेनेडीयम अयस्क एवं सांद्र |
| Vermiculite | tonne | 1044 | 9906 | 528 | 6402 | 756 | 8312 | वर्मीकुलाइट |
| Witherite | tonne | 10 | 526 | ++ | 241 | ++ | 216 | वेदराइट |
| Wollastonite | tonne | 17864 | 288087 | 16616 | 279263 | 16700 | 293524 | वोलास्टोनाइट |
| Zinc ores & conc. | tonne | 41 | 744 | 558 | 11346 | 53912 | 3990176 | जस्ता अयस्क एवं सांद्र |
| Zirconium ores & conc. | tonne | 12230 | 488129 | 4859 | 241900 | 1693 | 95182 | जिरकोनियम अयस्क एवं सांद्र |
| Other Minerals NES | tonne | 1768058 | 1773765 | 1362345 | 1200053 | 757361 | 1663194 | अन्य खनिज एनईएस |

*Source: DGCI & S,Kolkata/ Indian Bureau of Mines*

*स्रोत: DGCI & S, कोलकाता/ भारतीय खान ब्यूरो*

(P) - Provisional / अनंतिम (R ):Revised --- : Not Available ++: Negligible **: Quantity not additive

## Statement 2.05 : Inventory of geological reserves of coal by type

## विवरण 2.05 : प्रकार के अनुसार कोयला के भूविज्ञानी भंडारों की सूची

(Million tonnes/मिलियन टन)

| Type of Coal ( As on 1st April of Year ) | | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | कोयला का प्रकार ( वर्ष के 1 अप्रैल की स्थिति) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Coking** | | | | | | | | | | | | | **1. कोकिंग** | |
| I. Prime coking | **Proved** | 4614 | 4614 | 4614 | 4614 | 4614 | 4614 | 4614 | 4614 | 4614 | 4614 | 4649 | I. प्राइम कोकिंग | **प्रमाणित** |
| | **Indicated** | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 664 | | **उल्लिखित** |
| | **Inferred** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | **अनुमानित** |
| | **Total** | **5313** | **5313** | **5313** | **5313** | **5313** | **5313** | **5313** | **5313** | **5313** | **5313** | **5313** | | **कुल** |
| II. Medium coking | **Proved** | 12308 | 12448 | 12573 | 12573 | 12837 | 13269 | 13303 | 13389 | 13389 | 13501 | 13914 | II मीडियम कोकिंग | **प्रमाणित** |
| | **Indicated** | 12136 | 12064 | 11940 | 12001 | 11951 | 11893 | 11867 | 12114 | 12114 | 12133 | 11709 | | **उल्लिखित** |
| | **Inferred** | 1880 | 1880 | 1880 | 1880 | 1800 | 1879 | 1879 | 1879 | 1879 | 1879 | 1879 | | **अनुमानित** |
| | **Total** | **26324** | **26393** | **26393** | **26454** | **26669** | **27041** | **27049** | **27382** | **27382** | **27513** | **27502** | | **कुल** |
| III. Blendable/ semi-coking | **Proved** | 482 | 482 | 482 | 482 | 482 | 482 | 482 | 482 | 482 | 519 | 519 | III सम्मिश्रणीय/ सेमी कोकिंग | **प्रमाणित** |
| | **Indicated** | 1003 | 1003 | 1003 | 1003 | 1003 | 1003 | 1004 | 1004 | 1004 | 995 | 995 | | **उल्लिखित** |
| | **Inferred** | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 193 | 193 | | **अनुमानित** |
| | **Total** | **1707** | **1707** | **1707** | **1707** | **1707** | **1707** | **1708** | **1708** | **1708** | **1708** | **1708** | | **कुल** |
| **2. Non-coking (Including High Sulphur)** | **Proved** | 84425 | 88175 | 92129 | 96333 | 100211 | 104816 | 107509 | 113129 | 119602 | 124423 | 129705 | **2. गैर कोकिंग (उच्च सल्फर सहित)** | **प्रमाणित** |
| | **Indicated** | 110378 | 109804 | 117012 | 123768 | 128515 | 129037 | 128937 | 129425 | 125335 | 125485 | 125796 | | **उल्लिखित** |
| | **Inferred** | 36388 | 35819 | 34257 | 32287 | 31082 | 30999 | 31047 | 29638 | 29462 | 30706 | 28995 | | **अनुमानित** |
| | **Total** | **231191** | **233798** | **243398** | **252388** | **259808** | **264852** | **267494** | **272192** | **274398** | **280615** | **284497** | | **कुल** |
| **Total** | **Proved** | 101829 | 105720 | 109798 | 114002 | 118145 | 123182 | 125909 | 131614 | 138087 | 143058 | 148787 | **कुल** | **प्रमाणित** |
| | **Indicated** | 124216 | 123570 | 130654 | 137471 | 142169 | 142632 | 142506 | 143241 | 139151 | 139311 | 139164 | | **उल्लिखित** |
| | **Inferred** | 38490 | 37921 | 36359 | 34389 | 33183 | 33100 | 33148 | 31739 | 31563 | 32779 | 31068 | | **अनुमानित** |
| | **Total** | **264535** | **267211** | **276811** | **285862** | **293497** | **298914** | **301564** | **306596** | **308802** | **315148** | **319020** | | **कुल** |

Source : Provisional Coal Statistics 2017-18, Coal Controller's Organization, Kolkata, Ministry of Coal

स्रोत : अनंतिम कोयला सांख्यिकी 2017-18, कोयला नियंत्रक का कार्यालय, कोलकाता, कोयला मंत्रालय

**Note:** The coal resources of India are available in older Gondwana Formations of peninsular India and younger Tertiary formations of north- eastern region. Based on the results of Regional Promotional Exploration, where the boreholes are normally placed 1-2 Km apart, the resources are classified into '**Indicated**' or '**Inferred**' category. Subsequent detailed exploration in selected blocks, where boreholes are less than 400 meter apart, upgrades the resources into more reliable '**Proved**' category

## Statement 2.06 : Statewise inventory of geological reserves of coal
## विवरण 2.06 : कोयला के भूविज्ञानी भंडारों की राज्यवार सूची

(Million tonnes/मिलियन टन)

| Sl. No. क्र. स. | State | Resources | 1-4-2010 | 1-4-2011 | 1-4-2012 | 1-4-2013 | 1-4-2014 | 1-4-2015 | 1-4-2016 | 1-4-2017 | 04-01-2018 | राज्य | संसाधन |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gondwana Coal Fields | | | | | | | | | | | | गोंडवाना कोयला क्षेत्र | |
| 1 | Andhra Pradesh | Proved | 9257 | 9297 | 9567 | 9604 | 9729 | | | | | आंध्र प्रदेश | प्रमाणित |
| | | Indicated | 9730 | 9728 | 9554 | 9554 | 9670 | 1149 | 1149 | 1149 | 1149 | | उल्लिखित |
| | | Inferred | 3029 | 3029 | 3034 | 3049 | 3068 | 432 | 432 | 432 | 432 | | अनुमानित |
| | | Total | 22016 | 22054 | 22155 | 22207 | 22468 | 1581 | 1581 | 1581 | 1581 | | कुल |
| 2 | Assam | Proved | | | | | | | | | | असम | प्रमाणित |
| | | Indicated | 3 | 3 | 3 | 3 | 4 | 4 | 14 | 14 | 14 | | उल्लिखित |
| | | Inferred | | | | | | | | | | | अनुमानित |
| | | Total | 3 | 3 | 3 | 3 | 4 | 4 | 14 | 14 | 14 | | कुल |
| 3 | Jharkhand | Proved | 39633 | 39761 | 40163 | 41155 | 41377 | 41463 | 42323 | 44341 | 45563 | झारखंड | प्रमाणित |
| | | Indicated | 30992 | 32592 | 33609 | 32986 | 32780 | 33026 | 32301 | 31876 | 31439 | | उल्लिखित |
| | | Inferred | 6338 | 6584 | 6584 | 6559 | 6559 | 6559 | 6548 | 6223 | 6150 | | अनुमानित |
| | | Total | 76964 | 78937 | 80356 | 80701 | 80716 | 81049 | 81172 | 82440 | 83152 | | कुल |
| 4 | Bihar | Proved | | | | | | | | | 161 | बिहार | प्रमाणित |
| | | Indicated | | | | | | | | | 813 | | उल्लिखित |
| | | Inferred | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 1354 | 392 | | अनुमानित |
| | | Total | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 1354 | 1367 | | कुल |
| 5 | Madhya Pradesh | Proved | 8505 | 8871 | 9309 | 9818 | 10411 | 10411 | 10918 | 11269 | 11958 | मध्य प्रदेश | प्रमाणित |
| | | Indicated | 11267 | 12192 | 12291 | 12355 | 12382 | 12784 | 12696 | 12760 | 12154 | | उल्लिखित |
| | | Inferred | 2216 | 2063 | 2777 | 2889 | 2879 | 3341 | 3293 | 3645 | 3875 | | अनुमानित |
| | | Total | 21988 | 23126 | 24377 | 25061 | 25673 | 26536 | 26907 | 27673 | 27987 | | कुल |
| 6 | Chhattisgarh | Proved | 12441 | 12879 | 13988 | 14779 | 16052 | 18237 | 19136 | 19997 | 20428 | छत्तीसगढ़ | प्रमाणित |
| | | Indicated | 30230 | 32390 | 33448 | 34107 | 33253 | 34390 | 34614 | 34462 | 34576 | | उल्लिखित |
| | | Inferred | 4011 | 4011 | 3410 | 3283 | 3228 | 2285 | 2287 | 2202 | 2202 | | अनुमानित |
| | | Total | 46682 | 49280 | 50846 | 52169 | 52533 | 54912 | 56036 | 56661 | 57206 | | कुल |
| 7 | Maharashtra | Proved | 5360 | 5490 | 5667 | 5667 | 5667 | 5953 | 6208 | 7038 | 7178 | महाराष्ट्र | प्रमाणित |
| | | Indicated | 2984 | 3094 | 3104 | 3186 | 3186 | 3190 | 3151 | 3158 | 3074 | | उल्लिखित |
| | | Inferred | 1965 | 1950 | 2110 | 2110 | 2110 | 2110 | 2077 | 2063 | 2048 | | अनुमानित |
| | | Total | 10308 | 10534 | 10882 | 10964 | 10964 | 11253 | 11436 | 12259 | 12299 | | कुल |
| 8 | Odisha | Proved | 21507 | 24492 | 25548 | 27284 | 27791 | 30747 | 34295 | 34810 | 37391 | ओडिशा | प्रमाणित |
| | | Indicated | 32074 | 33987 | 36466 | 37110 | 37873 | 36545 | 33284 | 34060 | 34165 | | उल्लिखित |
| | | Inferred | 12726 | 10680 | 9434 | 9316 | 9408 | 8507 | 8318 | 8415 | 7739 | | अनुमानित |
| | | Total | 66307 | 69159 | 71447 | 73710 | 75073 | 75799 | 75896 | 77285 | 79295 | | कुल |
| 9 | Sikkim | Proved | | | | | | | | | | सिक्किम | प्रमाणित |
| | | Indicated | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | | उल्लिखित |
| | | Inferred | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | अनुमानित |
| | | Total | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | | कुल |
| 10 | Uttar Pradesh | Proved | 866 | 866 | 884 | 884 | 884 | 884 | 884 | 884 | 884 | उत्तर प्रदेश | प्रमाणित |
| | | Indicated | 196 | 196 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | | उल्लिखित |
| | | Inferred | | | | | | | | | | | अनुमानित |
| | | Total | 1062 | 1062 | 1062 | 1062 | 1062 | 1062 | 1062 | 1062 | 1062 | | कुल |
| 11 | West Bengal | Proved | 11753 | 11753 | 12425 | 13396 | 13403 | 13518 | 13602 | 13723 | 14156 | पश्चिम बंगाल | प्रमाणित |
| | | Indicated | 13030 | 13132 | 13358 | 12995 | 13022 | 13010 | 13021 | 12954 | 12869 | | उल्लिखित |
| | | Inferred | 5071 | 5071 | 4832 | 4892 | 4893 | 4907 | 4907 | 4990 | 4643 | | अनुमानित |
| | | Total | 29853 | 29956 | 30615 | 31283 | 31318 | 31435 | 31529 | 31667 | 31667 | | कुल |
| 12 | Telangana | Proved | - | - | - | - | - | 9807 | 10128 | 10402 | 10475 | तेलंगाना | प्रमाणित |
| | | Indicated | - | - | - | - | - | 8808 | 8586 | 8542 | 8576 | | उल्लिखित |
| | | Inferred | - | - | - | - | - | 2597 | 2700 | 2520 | 2651 | | अनुमानित |
| | | Total | - | - | - | - | - | 21211 | 21415 | 21464 | 21702 | | कुल |
| **Gondwana (Total)** | | **Proved** | **109320** | **113408** | **117551** | **122588** | **125315** | **131020** | **137493** | **142464** | **148194** | गोंडवाना (कुल) | प्रमाणित |
| | | **Indicated** | **130564** | **137372** | **142070** | **142532** | **142407** | **143142** | **139052** | **139212** | **139065** | | उल्लिखित |
| | | **Inferred** | **35559** | **33590** | **32384** | **32301** | **32350** | **30941** | **30764** | **31885** | **30174** | | अनुमानित |
| | | **Total** | **275444** | **284370** | **292005** | **297421** | **300072** | **305103** | **307309** | **313561** | **317433** | | कुल |

## विवरण 2.06 : कोयला के भूविज्ञानी भंडारों की राज्यवार सूची

(Million tonnes/मिलियन टन)

| Sl. No. क्र. स. | State | Resources | 1-4-2010 | 1-4-2011 | 1-4-2012 | 1-4-2013 | 1-4-2014 | 1-4-2015 | 1-4-2016 | 1-4-2017 | 04-01-2018 | राज्य | संसाधन |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Gondwana Coal Fields** | | | | | | | | | | | | **गोंडवाना कोयला क्षेत्र** | |
| 1 | **Andhra Pradesh** | **Proved** | 9257 | 9297 | 9567 | 9604 | 9729 | | | | | **आंध्र प्रदेश** | **प्रमाणित** |
| **Tertiary Coal Fields** | | | | | | | | | | | | **तृतीयक कोयला क्षेत्र** | |
| 1 | **Arunachal Pradesh** | **Proved** | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | **अरुणाचल प्रदेश** | **प्रमाणित** |
| | | **Indicated** | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | **उल्लिखित** |
| | | **Inferred** | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | | **अनुमानित** |
| | | **Total** | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | | **कुल** |
| 2 | **Assam (Tertiary)** | **Proved** | 349 | 465 | 465 | 465 | 465 | 465 | 465 | 465 | 465 | **असम (तृतीयक)** | **प्रमाणित** |
| | | **Indicated** | 33 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | **उल्लिखित** |
| | | **Inferred** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | **अनुमानित** |
| | | **Total** | 385 | 511 | 511 | 511 | 511 | 511 | 511 | 511 | 511 | | **कुल** |
| 3 | **Meghalaya (Tertiary)** | **Proved** | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | **मेघालय (तृतीयक)** | **प्रमाणित** |
| | | **Indicated** | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | | **उल्लिखित** |
| | | **Inferred** | 471 | 471 | 471 | 471 | 471 | 471 | 471 | 471 | 471 | | **अनुमानित** |
| | | **Total** | 576 | 576 | 576 | 576 | 576 | 576 | 576 | 576 | 576 | | **कुल** |
| 4 | **Nagaland (Tertiary)** | **Proved** | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | **नागालैंड (तृतीयक)** | **प्रमाणित** |
| | | **Indicated** | | | | | | | | | | | **उल्लिखित** |
| | | **Inferred** | 307 | 307 | 307 | 307 | 307 | 307 | 307 | 402 | 402 | | **अनुमानित** |
| | | **Total** | 315 | 315 | 315 | 315 | 315 | 315 | 315 | 410 | 410 | | **कुल** |
| **Tertiary Coalfields (Total)** | | **Proved** | **478** | **594** | **594** | **594** | **594** | **594** | **594** | **594** | **594** | **तृतीयक कोयला क्षेत्र (** | **प्रमाणित** |
| | | **Indicated** | **90** | **99** | **99** | **99** | **99** | **99** | **99** | **99** | **99** | | **उल्लिखित** |
| | | **Inferred** | **799** | **799** | **799** | **799** | **799** | **799** | **799** | **895** | **895** | | **अनुमानित** |
| | | **Total** | **1367** | **1492** | **1493** | **1493** | **1493** | **1493** | **1493** | **1588** | **1588** | | **कुल** |
| **India (Total)** | | **Proved** | **109798** | **114002** | **118145** | **123182** | **125909** | **131614** | **138087** | **143058** | **148787** | **भारत का (कुल)** | **प्रमाणित** |
| | | **Indicated** | **130654** | **137471** | **142169** | **142633** | **142506** | **143241** | **139151** | **139311** | **139164** | | **उल्लिखित** |
| | | **Inferred** | **36359** | **34390** | **33183** | **33100** | **33149** | **31741** | **31564** | **32779** | **31069** | | **अनुमानित** |
| | | **Total** | **276811** | **285862** | **293497** | **298914** | **301564** | **306596** | **308802** | **315148** | **319020** | | **कुल** |

*Source : Provisional Coal Statistics 2017-18, Coal Controller's Organization, Kolkata, Ministry of Coal*

*स्रोत : अनातेम कोयला साख्यिकी 2017-18, कोयला नियत्रक का कार्यालय, कोलकाता, कोयला मत्रालय*

: Blank figures indicate nil

Note: (i) Data may not add up to respective total due to rounding off.

(ii ) Singrimari coalfield of Assam (Non- coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.

**Statement 2.07 : Statewise inventory of geological reserve of Lignite**

**विवरण 2.07 : लिग्नाइट के भूविज्ञानी भंडार की राज्यवार सूची**

( as on 1st April / 1 अप्रैल की स्थिति के अनुसार)

| State | Resources (QMT) | Year | | | | | | | राज्य | संसाधन (क्यूएमटी) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| Gujarat | Proved | 1278.65 | 1278.65 | 1278.65 | 1278.65 | 1278.65 | 1278.65 | 1278.65 | गुजरात | प्रमाणित |
| | Indicated | 283.70 | 283.70 | 283.70 | 283.70 | 283.70 | 283.70 | 283.70 | | उल्लिखित |
| | Inferred | 1159.70 | 1159.70 | 1159.70 | 1159.70 | 1159.70 | 1159.70 | 1159.70 | | अनुमानित |
| | **Total** | **2722.05** | **2722.05** | **2722.05** | **2722.05** | **2722.05** | **2722.05** | **2722.05** | | कुल |
| | | | | | | | | | | |
| Jammu & Kashmir | Proved | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | जम्मू एवं कश्मीर | प्रमाणित |
| | Indicated | 20.25 | 20.25 | 20.25 | 20.25 | 20.25 | 20.25 | 20.25 | | उल्लिखित |
| | Inferred | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | | अनुमानित |
| | **Total** | **27.55** | **27.55** | **27.55** | **27.55** | **27.55** | **27.55** | **27.55** | | कुल |
| | | | | | | | | | | |
| Kerala | Proved | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | केरल | प्रमाणित |
| | Indicated | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | उल्लिखित |
| | Inferred | 9.65 | 9.65 | 9.65 | 9.65 | 9.65 | 9.65 | 9.65 | | अनुमानित |
| | **Total** | **9.65** | **9.65** | **9.65** | **9.65** | **9.65** | **9.65** | **9.65** | | कुल |
| | | | | | | | | | | |
| Puducherry | Proved | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | पुद्दुचेरी | प्रमाणित |
| | Indicated | 405.61 | 405.61 | 405.61 | 405.61 | 405.61 | 405.61 | 405.61 | | उल्लिखित |
| | Inferred | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | | अनुमानित |
| | **Total** | **416.61** | **416.61** | **416.61** | **416.61** | **416.61** | **416.61** | **416.61** | | कुल |
| | | | | | | | | | | |
| Rajasthan | Proved | 1167.02 | 1167.02 | 1167.02 | 1168.53 | 1168.53 | 1168.53 | 1168.53 | राजस्थान | प्रमाणित |
| | Indicated | 2152.59 | 2671.93 | 2671.93 | 2670.84 | 2670.84 | 2670.84 | 3029.78 | | उल्लिखित |
| | Inferred | 1587.40 | 1850.57 | 1881.39 | 1887.34 | 1896.60 | 1896.60 | 2150.77 | | अनुमानित |
| | **Total** | **4907.01** | **5689.52** | **5720.35** | **5726.71** | **5735.97** | **5735.97** | **6349.08** | | कुल |
| | | | | | | | | | | |
| Tamil Nadu | Proved | 3735.23 | 3735.23 | 3735.23 | 3735.23 | 3735.23 | 4093.53 | 4093.53 | तमिलनाडु | प्रमाणित |
| | Indicated | 22900.05 | 22900.05 | 22900.05 | 22900.05 | 22991.17 | 22632.87 | 22648.33 | | उल्लिखित |
| | Inferred | 7242.85 | 7712.43 | 7712.43 | 8573.62 | 8953.53 | 9055.98 | 9392.85 | | अनुमानित |
| | **Total** | **33878.13** | **34347.71** | **34347.71** | **35208.9** | **35679.93** | **35782.38** | **36134.71** | | कुल |
| | | | | | | | | | | |
| West Bengal | Proved | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | पश्चिम बंगाल | प्रमाणित |
| | Indicated | 0.93 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | | उल्लिखित |
| | Inferred | 0.86 | 1.64 | 1.64 | 1.64 | 1.64 | 2.8 | 2.8 | | अनुमानित |
| | **Total** | **1.79** | **2.77** | **2.77** | **2.77** | **2.77** | **3.93** | **3.93** | | कुल |
| | | | | | | | | | | |
| All India | Proved | 6181 | 6181 | 6181 | 6182 | 6182 | 6541 | 6541 | अखिल भारत | प्रमाणित |
| | Indicated | 25763 | 26283 | 26283 | 26282 | 26373 | 26014 | 26389 | | उल्लिखित |
| | Inferred | 10019 | 10752 | 10783 | 11650 | 12039 | 12143 | 12734 | | अनुमानित |
| | **Total** | **41963** | **43216** | **43247** | **44114** | **44595** | **44698** | **45664** | | कुल |

*Source : Provisional Coal Statistics 2017-18, Coal Controller's Organization, M/o Coal (Figures compiled by Neyveli Lignite Corporation Ltd.)*

*स्रोत : अनंतिम कोयला सांख्यिकी 2017-18, कोयला नियंत्रक का कार्यालय, कोयला मंत्रालय (आंकड़े नैवेली लिग्नाइट कॉरपोरेशन लिमिटेड द्वारा संकलित किए गए हैं)*

QMT : Quantiy in Million Tonnes.

## Statement 2.08: Total Primary supply of Coal & Lignite

## विवरण 2.08 : कोयला और लिग्नाइट की कुल प्राथमिक आपूर्ति

(Million tonnes/मिलियन टन)

| Year वर्ष | Fuel Type | Production उत्पादन | Imports आयात | Exports निर्यात | Net Imports निवल आयात | Opening Stock प्रारंभिक स्टॉक | Closing Stock अंतिम स्टॉक | Stock Change स्टॉक परिवर्तन | Total Primary Supply कुल प्राथमिक आपूर्ति | ईंधन का प्रकार |
|---|---|---|---|---|---|---|---|---|---|---|
| 2008-09 | Coal | 492.757 | 59.003 | 1.655 | 57.348 | 46.779 | 47.317 | 0.538 | 549.567 | कोयला |
| | Lignite | 32.421 | | | 0 | 0.328 | 0.903 | 0.575 | 31.846 | लिग्नाइट |
| | Total | 525.178 | 59.003 | 1.655 | 57.348 | 47.107 | 48.220 | 1.113 | 581.413 | कुल |
| 2009-10 | Coal | 532.042 | 73.255 | 2.454 | 70.801 | 47.317 | 64.863 | 17.546 | 585.297 | कोयला |
| | Lignite | 34.071 | | | | 0.903 | 0.565 | -0.338 | 34.409 | लिग्नाइट |
| | Total | 566.113 | 73.255 | 2.454 | 70.801 | 48.220 | 65.428 | 17.208 | 619.706 | कुल |
| 2010-11 | Coal | 532.694 | 68.198 | 4.409 | 64.509 | 64.863 | 72.192 | 7.329 | 589.874 | कोयला |
| | Lignite | 37.733 | | | | 0.565 | 0.61 | 0.045 | 37.688 | लिग्नाइट |
| | Total | 570.427 | 68.198 | 4.409 | 64.509 | 65.428 | 72.802 | 7.374 | 627.562 | कुल |
| 2011-12 | Coal | 539.95 | 102.853 | 2.014 | 100.839 | 72.192 | 74.04 | 1.848 | 642.637 | कोयला |
| | Lignite | 42.332 | | | | 0.61 | 1.051 | 0.441 | 42.773 | लिग्नाइट |
| | Total | 582.282 | 102.853 | 2.014 | 100.839 | 72.802 | 75.091 | 2.289 | 685.410 | कुल |
| 2012-13 | Coal | 556.402 | 145.785 | 2.443 | 143.342 | 74.04 | 63.049 | -10.991 | 688.753 | कोयला |
| | Lignite | 46.453 | 0.001 | 0.069 | -0.068 | 1.051 | 1.493 | 0.442 | 46.827 | लिग्नाइट |
| | Total | 602.855 | 145.786 | 2.512 | 143.274 | 75.091 | 64.542 | -10.549 | 735.580 | कुल |
| 2013-14 | Coal | 565.766 | 168.439 | 2.153 | 166.286 | 63.049 | 55.178 | -7.871 | 724.181 | कोयला |
| | Lignite | 44.271 | 0.001 | 0.002 | -0.001 | 1.493 | 1.86 | 0.367 | 44.637 | लिग्नाइट |
| | Total | 610.037 | 168.440 | 2.155 | 166.285 | 64.542 | 57.038 | -7.504 | 768.818 | कुल |
| 2014-15 | Coal | 612.435 | 212.103 | 1.238 | 210.865 | 55.178 | 59.389 | 4.211 | 827.511 | कोयला |
| | Lignite | 48.257 | 0.001 | 0.003 | -0.002 | 1.860 | 3.176 | 1.316 | 49.571 | लिग्नाइट |
| | Total | 660.692 | 212.104 | 1.241 | 210.863 | 57.038 | 62.565 | 5.527 | 877.082 | कुल |
| 2015-16 | Coal | 639.23 | 203.949 | 1.575 | 202.374 | 59.389 | 65.361 | 5.972 | 847.576 | कोयला |
| | Lignite | 43.842 | 0.001 | 0.001 | 0.001 | 3.176 | 4.809 | 1.633 | 45.476 | लिग्नाइट |
| | Total | 683.072 | 203.95 | 1.576 | 202.375 | 62.565 | 70.170 | 7.605 | 893.052 | कुल |
| 2016-17 | Coal | 657.868 | 190.953 | 1.773 | 189.18 | 65.361 | 76.889 | 11.528 | 858.576 | कोयला |
| | Lignite | 45.23 | 0.019 | 0.005 | 0.014 | 4.809 | 6.883 | 2.074 | 47.318 | लिग्नाइट |
| | Total | 703.098 | 190.972 | 1.778 | 189.194 | 70.170 | 83.772 | 13.602 | 905.894 | कुल |
| 2017-18 | Coal | 675.4 | 208.273 | 1.503 | 206.77 | 76.889 | 60.984 | -15.905 | 866.265 | कोयला |
| | Lignite | 45.23 | 0.01 | 0.004 | 0.006 | 6.883 | 7.21 | 0.327 | 45.563 | लिग्नाइट |
| | Total | 720.630 | 208.283 | 1.507 | 206.776 | 83.772 | 68.194 | -15.578 | 911.828 | कुल |

Source : Provisional Coal Statistics 2017-18, Coal Controller's Organization, M/o Coal

स्रोत : अनंतिम कोयला सांख्यिकी 2017-18, कोयला नियंत्रक संगठन, कोयला मंत्रालय

Note: Total Primary supply is estimated as sum of indiginous production, Net Import & Stock Change. For simplicity, only stock change of pit head stock is taken.

**Statement 2.09: Statewise production of raw coal by types**

**विवरण 2.09 : प्रकार के अनुसार कच्चा कोयला का राज्यवार उत्पादन**

(Quantity Million tonnes/मात्रा मिलियन टन)

| State | 2005-06 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|
| **Coking** | | | | | | | | | | **कोकिंग** |
| Chhattisgarh | 0.150 | 0.163 | 0.189 | 0.157 | 0.125 | 0.126 | 0.135 | 0.110 | 0.182 | छत्तीसगढ़ |
| Jharkhand | 30.295 | 48.931 | 51.108 | 51.065 | 55.088 | 54.430 | 58.548 | 59.604 | 38.767 | झारखंड |
| Madhya Pradesh | 0.932 | 0.403 | 0.319 | 0.330 | 0.249 | 0.310 | 0.209 | 0.131 | 0.180 | मध्य प्रदेश |
| West Bengal | 0.134 | 0.036 | 0.044 | 0.030 | 1.356 | 0.580 | 1.995 | 1.816 | 1.018 | पश्चिम बंगाल |
| **Total Coking** | **31.511** | **49.533** | **51.660** | **51.582** | **56.818** | ***57.446*** | **60.887** | **61.661** | **40.147** | **कुल कोकिंग** |
| **Non-Coking** | | | | | | | | | | **गैर - कोकिंग** |
| Andhra Pradesh | 36.138 | 51.333 | - | - | - | - | - | - | - | आंध्र प्रदेश |
| Arunachal Pradesh | - | 0.299 | 0.221 | 0.073 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | अरुणाचल प्रदेश |
| Assam | 1.101 | 1.101 | 0.602 | 0.605 | 0.664 | 0.779 | 0.487 | 0.600 | 0.781 | असम |
| Chhattisgarh | 76.208 | 113.662 | 113.769 | 117.673 | 126.970 | 134.638 | 130.470 | 138.415 | 142.364 | छत्तीसगढ़ |
| Jammu & Kashmir | 0.019 | 0.024 | 0.020 | 0.019 | 0.019 | 0.013 | 0.013 | 0.010 | 0.014 | जम्मू एवं कश्मीर |
| Jharkhand | 55.128 | 60.398 | 58.458 | 60.209 | 58.003 | 67.713 | 62.519 | 66.831 | 84.529 | झारखंड |
| Madhya Pradesh | 54.647 | 70.701 | 70.804 | 75.618 | 75.341 | 87.299 | 107.505 | 104.882 | 111.947 | मध्य प्रदेश |
| Maharashtra | - | 39.336 | 39.159 | 39.134 | 37.223 | 38.257 | 38.351 | 40.559 | 42.219 | महाराष्ट्र |
| Meghalaya | 5.566 | 6.974 | 7.206 | 5.640 | 5.732 | 2.524 | 3.712 | 2.308 | 1.529 | मेघालय |
| Odisha | 70.540 | 102.565 | 105.476 | 110.132 | 112.917 | 123.627 | 138.461 | 139.359 | 143.328 | ओडिशा |
| Telangana | - | - | 52.211 | 53.190 | 50.469 | 52.536 | 60.380 | 61.336 | 62.010 | तेलंगाना |
| Uttar Pradesh | 15.721 | 15.526 | 16.178 | 16.090 | 14.721 | 14.957 | 12.689 | 16.056 | 18.309 | उत्तर प्रदेश |
| West Bengal | 24.341 | 21.624 | 24.186 | 26.437 | 26.888 | 29.390 | 23.756 | 25.851 | 28.223 | पश्चिम बंगाल |
| **Total Non-Coking** | **375.528** | **483.543** | **488.290** | **504.820** | **508.947** | **551.733** | **578.343** | **596.207** | **635.253** | **कुल गैर - कोकिंग** |
| **Total** | **407.039** | **533.076** | **539.950** | **556.402** | **565.765** | **609.179** | **639.230** | **657.868** | **675.400** | **कुल** |

*Source : Provisional Coal Statistics 2017-18, Coal Controller's Organization, Kolkata, Ministry of Coal*

*स्रोत : अनंतिम कोयला सांख्यिकी 2017-18, कोयला नियंत्रक का कार्यालय, कोलकाता, कोयला मंत्रालय*

**Statement 2.10 : Statewise production of coal and lignite**

**विवरण 2.10 : कोयला और लिग्नाइट का राज्यवार उत्पादन**

(Million tonnes/मिलियन टन)

| Sl. No. क्र. स. | States | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | राज्य |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 2 |
| **I.** | **Coal** | **508.947** | **551.733** | **578.339** | **596.207** | **635.253** | **कोयला** |
| 1 | Andhra Pradesh | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | अरुणाचल प्रदेश |
| 3 | Assam | 0.664 | 0.779 | 0.487 | 0.600 | 0.781 | असम |
| 4 | Chhattisgarh | 126.970 | 134.638 | 130.470 | 138.415 | 142.364 | छत्तीसगढ़ |
| 5 | Jammu & Kashmir | 0.019 | 0.013 | 0.013 | 0.010 | 0.014 | जम्मू एवं कश्मीर |
| 6 | Jharkhand | 58.003 | 67.713 | 62.519 | 66.831 | 84.529 | झारखंड |
| 7 | Meghalaya | 5.732 | 2.524 | 3.712 | 2.308 | 1.529 | मेघालय |
| 8 | Madhya Pradesh | 75.341 | 87.299 | 107.501 | 104.882 | 111.947 | मध्य प्रदेश |
| 9 | Maharashtra | 37.223 | 38.257 | 38.351 | 40.559 | 42.219 | महाराष्ट्र |
| 10 | Odisha | 112.917 | 123.627 | 138.461 | 139.359 | 143.328 | ओडिशा |
| 11 | Telangana | 50.469 | 52.536 | 60.380 | 61.336 | 62.010 | तेलंगाना |
| 12 | Uttar Pradesh | 14.721 | 14.957 | 12.689 | 16.056 | 18.309 | उत्तर प्रदेश |
| 13 | West Bengal | 26.888 | 29.390 | 23.756 | 25.851 | 28.223 | पश्चिम बंगाल |
| **II.** | **Lignite** | **44.271** | **48.270** | **43.842** | **45.230** | **46.255** | **लिग्नाइट** |
| 1 | Gujarat | 11.588 | 12.317 | 10.123 | 10.546 | 13.392 | गुजरात |
| 2 | Rajasthan | 7.627 | 10.763 | 9.492 | 8.480 | 9.294 | राजस्थान |
| 3 | Tamil Nadu | 25.056 | 25.190 | 24.227 | 26.204 | 23.569 | तमिलनाडु |

*Source : Provisional Coal Statistics 2013-14 to 2017-18, Coal Controller's Organization, Kolkata, Ministry of Coal*

*स्रोत : अनंतिम कोयला सांख्यिकी 2013-14 से 2017-18, कोयला नियंत्रक का कार्यालय, कोलकाता, कोयला मंत्रालय*

## Statement 2.11 : Key indicators of petroleum industry
## विवरण 2.11 : पेट्रोलियम उद्योग के प्रमुख संकेतक

| Item | Unit यूनिट | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 (P) | मद |
|---|---|---|---|---|---|---|---|---|---|
| **1. Production** | | | | | | | | | **1. उत्पादन** |
| (i) Crude Oil | MMT | 38.09 | 37.86 | 37.79 | 37.46 | 36.94 | 36.01 | 35.68 | (i) कच्चा तेल |
| (ii) Natural Gas | BCM | 47.56 | 40.68 | 35.41 | 33.66 | 32.25 | 31.90 | 32.65 | (ii) प्राकृतिक गैस |
| (iii) Petroleum Products | MMT | 203.20 | 217.74 | 220.76 | 221.14 | 231.92 | 243.55 | 254.40 | (iii) पेट्रोलियम उत्पाद |
| **2. Consumption** | | | | | | | | | **2. खपत** |
| (i) Crude Oil ( in terms of refinery crude processed) | MMT | 204.12 | 219.21 | 222.50 | 223.24 | 232.86 | 245.36 | 251.93 | (i) कच्चा तेल (रिफाइनरी द्वारा प्रोसेस किए गए कच्चे तेल की दृष्टि से) |
| (ii) Natural Gas (including LNG) | BCM | 60.68 | 53.91 | 48.99 | 46.95 | 47.85 | 50.78 | 52.83 | (ii) प्राकृतिक गैस (एलएनजी सहित) |
| (iii) Petroleum Products | MMT | 148.13 | 157.06 | 158.41 | 165.52 | 184.67 | 194.60 | 204.92 | (iii) पेट्रोलियम उत्पाद |
| **3. Reserves (Balance Recoverable) as on 31st March** | | | | | | | | | **3. 31 मार्च की स्थिति के अनुसार रिजर्व (प्रतिलब्धि योग्य अधिशेष)** |
| (i) Crude Oil | MMT | 652.16 | 651.55 | 647.34 | 635.59 | 621.28 | 604.10 | 594.49 | (i) कच्चा तेल |
| (ii) Natural Gas | BCM | 1166.77 | 1171.66 | 1199.10 | 1251.99 | 1227.50 | 1289.70 | 1339.57 | (ii) प्राकृतिक गैस |
| **4. Imports & Exports** | | | | | | | | | **4. आयात एवं निर्यात** |
| **(i) Gross Imports :** | | | | | | | | | **(i) सकल आयात :** |
| (a) Qty : Crude Oil | MMT | 171.73 | 184.80 | 189.24 | 189.43 | 202.85 | 213.93 | 220.43 | (क) मात्रा : कच्चा तेल |
| LNG | MMT | 13.21 | 13.14 | 12.99 | 14.09 | 16.14 | 18.63 | 19.87 | एलएनजी |
| Pol. Products | MMT | 15.85 | 16.35 | 16.70 | 21.30 | 29.46 | 36.29 | 35.89 | पेट्रोलियम उत्पाद |
| Total (a) | MMT | 200.79 | 214.28 | 218.93 | 224.83 | 248.45 | 268.85 | 276.20 | कुल (क) |
| (b) Value: Crude Oil | ₹ Billion | 6722.20 | 7846.52 | 8648.75 | 6874.16 | 4165.79 | 4701.59 | 5659.51 | (ख) मूल्य : कच्चा तेल |
| LNG | ₹ Billion | 317.18 | 419.02 | 531.23 | 573.84 | 450.38 | 408.04 | 499.41 | एलएनजी |
| Pol. Products | ₹ Billion | 680.91 | 688.52 | 758.96 | 746.44 | 653.61 | 715.66 | 869.46 | पेट्रोलियम उत्पाद |
| Total (b) | ₹ Billion | 7720.29 | 8954.06 | 9938.94 | 8194.45 | 5269.78 | 5825.29 | 7028.37 | कुल (ख) |
| **(ii) Exports :** | | | | | | | | | **(ii) निर्यात :** |
| (a) Qty : Pol. Products | MMT | 60.84 | 63.41 | 67.86 | 63.93 | 60.54 | 65.51 | 66.76 | (क) मात्रा : पेट्रोलियम उत्पाद |
| (b) Value: Pol. Products | ₹ Billion | 2846.44 | 3200.90 | 3682.79 | 2885.80 | 1767.80 | 1948.93 | 2251.39 | (ख) मूल्य : पेट्रोलियम उत्पाद |
| **(iii) Net Imports :** | | | | | | | | | **(iii) निवल आयत :** |
| (a) Qty : Crude Oil | MMT | 171.73 | 184.80 | 189.24 | 189.43 | 202.85 | 213.93 | 220.43 | (क) मात्रा : कच्चा तेल |
| LNG | MMT | 13.21 | 13.14 | 12.99 | 14.09 | 16.14 | 18.63 | 19.87 | एलएनजी |
| Pol. Products | MMT | -44.99 | -47.05 | -51.17 | -42.63 | -31.08 | -29.23 | -30.87 | पेट्रोलियम उत्पाद |
| Total (a) | MMT | 139.96 | 150.88 | 151.07 | 160.90 | 187.91 | 203.34 | 209.44 | कुल (क) |
| (b) Value: Crude Oil | ₹ Billion | 6722.20 | 7846.52 | 8648.75 | 6874.16 | 4165.79 | 4701.59 | 5659.51 | (ख) मूल्य : कच्चा तेल |
| LNG | ₹ Billion | 317.18 | 419.02 | 531.23 | 573.84 | 450.38 | 408.04 | 499.41 | एलएनजी |
| Pol. Products | ₹ Billion | -2165.53 | -2512.38 | -2923.83 | ######## | -1114.19 | -1233.27 | -1381.94 | पेट्रोलियम उत्पाद |
| Total (b) | ₹ Billion | 4873.84 | 5753.17 | 6256.15 | 5308.65 | 3501.99 | 3876.37 | 4776.98 | कुल (ख) |

Source: Ministry of Petroleum and Natural Gas P: Provisional / अनंतिम

*स्रोत: पेट्रोलियम और प्राकृतिक गैस मंत्रालय*

## Statement 2.12: State-wise energy Supply Position
## विवरण 2.12 : ऊर्जा की राज्यवार स्थिति

April अप्रैल 2017- March मार्च 2018

| Region/State/U.Ts. | Energy Requirement (MU) ऊर्जा की आवश्यकता (एमयू) | Energy Supplied (MU) आपूर्त की गई ऊर्जा (एमयू) | Energy not supplied आपूर्त न की गई ऊर्जा (एमयू) | | Peak Demand (MW) उच्चतम मांग (मेगावाट) | Peak Met (MW) उच्चतम पूर्ति (मेगावाट) | Demand no met पूरी न की गई मांग | | क्षेत्र/राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|
| | | | (MU) (एमयू) | (%) (प्रतिशत) | | | (MW) एमडब्ल्यू | (%) (प्रतिशत) | |
| Chandigarh | 1,610 | 1,601 | 9 | **0.5** | 363 | 363 | 0 | 0.0 | चंडीगढ़ |
| Delhi | 31,825 | 31,806 | 19 | **0.1** | 6,553 | 6,526 | 27 | 0.4 | दिल्ली |
| Haryana | 50,775 | 50,775 | - | **0.0** | 9,671 | 9,539 | 132 | 1.4 | हरियाणा |
| Himachal Pradesh | 9,388 | 9,335 | 53 | **0.6** | 1,594 | 1,594 | 0 | 0.0 | हिमाचल प्रदेश |
| Jammu & Kashmir | 18,808 | 15,050 | 3,758 | **20.0** | 2,899 | 2,319 | 580 | 20.0 | जम्मू एवं कश्मीर |
| Punjab | 54,827 | 54,827 | - | **0.0** | 11,705 | 11,705 | 0 | 0.0 | पंजाब |
| Rajasthan | 71,189 | 70,598 | 591 | **0.8** | 11,722 | 11,564 | 158 | 1.3 | राजस्थान |
| Uttar Pradesh | 1,19,981 | 1,18,232 | 1,749 | **1.5** | 20,274 | 18,061 | 2,213 | 10.9 | उत्तर प्रदेश |
| Uttarakhand | 13,457 | 13,426 | 31 | **0.2** | 2,149 | 2,149 | 0 | 0.0 | उत्तराखंड |
| **NORTHERN REGION** | **3,71,861** | **3,65,650** | **6,211** | **1.7** | **60,749** | **58,448** | **2,301** | **3.8** | **उत्तरी क्षेत्र** |
| Chhattisgarh | 25,586 | 25,502 | 84 | **0.3** | 4,169 | 3,887 | 282 | **6.8** | छत्तीसगढ़ |
| Dadra & Nagar Haveli | 6,168 | 6,168 | 0 | **0.0** | 790 | 790 | 0 | **0.0** | दादरा एवं नगर हवेली |
| Daman & Diu | 2,534 | 2,534 | 0 | **0.0** | 362 | 362 | 0 | **0.0** | दमन एवं दीव |
| Goa | 4,113 | 4,113 | 0 | **0.0** | 559 | 558 | 1 | **0.2** | गोवा |
| Gujarat | 1,09,984 | 1,09,973 | 11 | **0.0** | 16,590 | 16,590 | 0 | **0.0** | गुजरात |
| Madhya Pradesh | 69,608 | 69,608 | 0 | **0.0** | 12,338 | 12,301 | 37 | **0.3** | मध्य प्रदेश |
| Maharashtra | 1,49,757 | 1,49,528 | 229 | **0.2** | 22,542 | 22,494 | 48 | **0.2** | महाराष्ट्र |
| **WESTERN REGION** | **3,67,751** | **3,67,425** | **326** | **0.1** | **50,477** | **50,085** | **392** | **0.8** | **पश्चिम क्षेत्र** |
| Andhra Pradesh | 58,315 | 58,219 | 96 | **0.2** | 8,975 | 8,975 | 0 | 0.0 | आंध्र प्रदेश |
| Karnataka | 67,744 | 67,575 | 169 | **0.2** | 10,824 | 10,802 | 22 | 0.2 | कर्नाटक |
| Kerala | 24,964 | 24,879 | 85 | **0.3** | 3,902 | 3,870 | 32 | 0.8 | केरल |
| Lakshadweep # | 47 | 47 | 0 | **0.0** | 9 | 9 | 0 | 0.0 | लक्षद्वीप# |
| Puducherry | 2,669 | 2,662 | 7 | **0.3** | 390 | 387 | 3 | 0.8 | पुद्दुचेरी |
| Tamil Nadu | 1,05,842 | 1,05,676 | 166 | **0.2** | 15,001 | 14,975 | 26 | 0.2 | तमिलनाड् |
| Telangana | 60,350 | 60,267 | 83 | **0.1** | 10,292 | 10,284 | 8 | 0.1 | तेलंगाना |
| **SOUTHERN REGION** | **3,19,884** | **3,19,277** | **606** | **0.2** | **47,298** | **47,210** | **88** | **0.2** | **दक्षिण क्षेत्र** |
| Andaman And Nicobar Island # | 328 | 299 | 29 | **8.8** | 58 | 54 | 4 | 6.9 | अंडमान एवं निकोबार दीप समह# |
| Bihar | 27,033 | 26,619 | 414 | **1.5** | 4,521 | 4,515 | 6 | 0.1 | बिहार |
| DVC | 21,534 | 21,361 | 173 | **0.8** | 2,886 | 2,886 | 0 | 0.0 | डीवीसी |
| Jharkhand | 7,892 | 7,754 | 138 | **1.7** | 1,332 | 1,260 | 72 | 5.4 | झारखंड |
| Odisha | 28,710 | 28,644 | 66 | **0.2** | 4,370 | 4,370 | 0 | 0.0 | ओडिसा |
| Sikkim | 485 | 485 | 0 | **0.0** | 96 | 96 | 0 | 0.0 | सिक्किम |
| West Bengal | 50,590 | 50,411 | 179 | **0.4** | 8,241 | 8,241 | 0 | 0.0 | पश्चिम बंगाल |
| **EASTERN REGION** | **1,36,245** | **1,35,273** | **972** | **0.7** | **20,318** | **20,318** | **0** | **0.0** | **पूर्वोत्तर क्षेत्र** |
| Arunachal Pradesh | 801 | 791 | 10 | **1.2** | 145 | 145 | 0 | 0.0 | अरुणाचल प्रदेश |
| Assam | 9,196 | 8,881 | 315 | **3.4** | 1,822 | 1,745 | 77 | 4.2 | असम |
| Manipur | 875 | 829 | 46 | **5.3** | 202 | 195 | 7 | 3.5 | मणिप्र |
| Meghalaya | 1,604 | 1,601 | 3 | **0.2** | 369 | 368 | 1 | 0.3 | मेघालय |
| Mizoram | 505 | 497 | 8 | **1.6** | 105 | 96 | 9 | 8.6 | मिजोरम |
| Nagaland | 798 | 778 | 20 | **2.5** | 155 | 146 | 9 | 5.8 | नागालैंड |
| Tripura | 2,614 | 2,565 | 49 | **1.9** | 342 | 342 | 0 | 0.0 | त्रिप्रा |
| **NORTH EAST REGION** | **16,394** | **15,941** | **452** | **2.8** | **2,629** | **2,520** | **109** | **4.1** | **पूर्वोत्तर जोन** |
| **ALL INDIA** | **12,12,134** | **12,03,567** | **8,567** | **0.7** | **1,64,066** | **1,60,752** | **3,314** | **2.0** | **अखिल भारत** |

*Source : General Review 2018, Central Electricity Authority*

*स्रोत: सामान्य समीक्षा 2018, केंद्रीय विद्युत प्राधिकरण*

MU: Million unit MW: Megawatt Note : Total may not tally

:# Lakshadweep & A & N Islands are stand-alone systems, power supply position of these does not form part of regional requirement and availability.

## Statement 2.13 : Installed capacity of power utilities
## विवरण 2.13 : विद्युत यूटिलिटीज की संस्थापित क्षमता

on 31st March, मार्च, 2018 (Mega Watts) (मेगावाट)

| Sl. No. क्र. स. | State/Union Territory | Thermal थर्मल | | | Total Thermal कुल थर्मल | Nuclear परमाणु | Hydro Renewable हाइड्रो नवीकरणीय | RES* (MNRE) आरईएस* (नवीन एवं | Grand Total कुल योग | राज्य / केंद्र शासित प्रदेश |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Coal कोयला | Gas गैस | Diesel डीजल | | | | | | |
| **I** | **Northern Region** | **52939.20** | **5781.26** | **0.00** | **58720.46** | **1620.00** | **19753.77** | **12873.22** | **92967.45** | **उत्तरी क्षेत्र** |
| **1** | Chandigarh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | चंडीगढ़ |
| **1** | Delhi | 135.00 | 1800.40 | 0.00 | 1935.40 | 0.00 | 0.00 | 0.00 | 1935.40 | दिल्ली |
| **3** | Haryana | 2720.00 | 150.00 | 0.00 | 2870.00 | 0.00 | 1084.51 | 59.30 | 4013.81 | हरियाणा |
| **4** | Himachal Pradesh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 694.60 | 256.61 | 951.21 | हिमाचल प्रदेश |
| **5** | Jammu & Kashmir | 0.00 | 175.00 | 0.00 | 175.00 | 0.00 | 1230.00 | 129.03 | 1534.03 | जम्मू एवं कश्मीर |
| **6** | Punjab | 2620.00 | 150.00 | 0.00 | 2770.00 | 0.00 | 2570.23 | 127.80 | 5468.03 | पंजाब |
| **7** | Rajasthan | 5850.00 | 603.80 | 0.00 | 6453.80 | 0.00 | 1087.96 | 23.85 | 7565.61 | राजस्थान |
| **8** | Uttar Pradesh | 5563.00 | 0.00 | 0.00 | 5563.00 | 0.00 | 724.10 | 25.10 | 6312.20 | उत्तर प्रदेश |
| **9** | Uttarakhand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1252.15 | 67.87 | 1320.02 | उत्तराखंड |
| **10** | Private sector | 22760.83 | 558.00 | 0.00 | 23318.83 | 0.00 | 2514.00 | 11854.66 | 37687.49 | निजी क्षेत्र |
| **11** | Central sector | 12630.37 | 2344.06 | 0.00 | 15634.43 | 1620.00 | 8596.22 | 329.00 | 26179.65 | केंद्रीय क्षेत्र |
| **II** | **Western Region** | **70608.62** | **10806.49** | **0.00** | **81415.11** | **1840.00** | **7447.50** | **20446.37** | **111148.99** | **पश्चिम क्षेत्र** |
| **1** | Chhattisgarh | 2280.00 | 0.00 | 0.00 | 2280.00 | 0.00 | 120.00 | 11.05 | 2411.05 | छत्तीसगढ़ |
| **2** | Dadra & Nagar Haveli | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | दादरा एवं नगर हवेली |
| **3** | Daman & Diu | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | दमन एवं दीव |
| **4** | Goa | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | गोवा |
| **5** | Gujarat | 4750.00 | 2177.82 | 0.00 | 6927.82 | 0.00 | 772.00 | 8.00 | 7707.82 | गुजरात |
| **6** | Madhya Pradesh | 4080.00 | 0.00 | 0.00 | 4080.00 | 0.00 | 1703.66 | 83.96 | 5867.62 | मध्य प्रदेश |
| **7** | Maharashtra | 10170.00 | 672.00 | 0.00 | 10842.00 | 0.00 | 2850.84 | 208.12 | 13900.96 | महाराष्ट्र |
| **8** | Private sector | 34285.67 | 4676.00 | 0.00 | 38961.67 | 0.00 | 481.00 | 19473.89 | 58916.56 | निजी क्षेत्र |
| **9** | Central sector | 15042.95 | 3280.67 | 0.00 | 18323.62 | 1840.00 | 1520.00 | 661.30 | 22344.92 | केंद्रीय क्षेत्र |
| **III** | **Southern Region** | **45782.02** | **6473.66** | **761.58** | **53017.26** | **3320.00** | **11808.03** | **34369.28** | **102514.57** | **दक्षिण क्षेत्र** |
| **1** | Andhra Pradesh | 5010.00 | 235.40 | 0.00 | 5245.40 | 0.00 | 1673.60 | 48.75 | 6967.75 | आंध्र प्रदेश |
| **2** | Karnataka | 5020.00 | 0.00 | 127.92 | 5147.92 | 0.00 | 3599.80 | 155.33 | 8903.05 | कर्नाटक |
| **3** | Kerala | 0.00 | 0.00 | 159.96 | 159.96 | 0.00 | 1881.50 | 151.02 | 2192.48 | केरल |
| **4** | NLC | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | एनएलसी |
| **5** | Puducherry | 0.00 | 32.50 | 0.00 | 32.50 | 0.00 | 0.00 | 0.00 | 32.50 | पुदुचेरी |
| **6** | Tamil Nadu | 4320.00 | 524.08 | 0.00 | 4844.08 | 0.00 | 2203.20 | 122.70 | 7169.98 | तमिलनाडु |
| **7** | Telangana | 5082.50 | 0.00 | 0.00 | 5082.50 | 0.00 | 2449.93 | 40.22 | 7572.65 | तेलंगाना |
| **8** | Private sector | 12124.50 | 5322.10 | 473.70 | 17920.30 | 0.00 | 0.00 | 33359.36 | 51279.66 | निजी क्षेत्र |
| **9** | Central sector | 14225.02 | 359.58 | 0.00 | 14584.60 | 3320.00 | 0.00 | 491.90 | 18396.50 | केंद्रीय क्षेत्र |
| **IV** | **Eastern Region** | **27321.64** | **100.00** | **0.00** | **27421.64** | **0.00** | **4942.12** | **1038.40** | **33402.16** | **पूर्वोत्तर क्षेत्र** |
| **1** | Bihar | 710.00 | 0.00 | 0.00 | 710.00 | 0.00 | 0.00 | 70.70 | 780.70 | बिहार |
| **2** | D.V.C. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | डीवीसी |
| **3** | Jharkhand | 420.00 | 0.00 | 0.00 | 420.00 | 0.00 | 130.00 | 4.05 | 554.05 | झारखंड |
| **4** | Odisha | 420.00 | 0.00 | 0.00 | 420.00 | 0.00 | 2061.92 | 6.30 | 2488.22 | ओडिशा |
| **5** | Sikkim | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 360.00 | 52.11 | 412.11 | सिक्किम |
| **6** | West Bengal | 5520.00 | 100.00 | 0.00 | 5620.00 | 0.00 | 986.00 | 91.95 | 6697.95 | पश्चिम बंगाल |
| **7** | Private sector | 6375.00 | 0.00 | 0.00 | 6375.00 | 0.00 | 399.00 | 803.29 | 7577.29 | निजी क्षेत्र |
| **8** | Central sector | 13876.64 | 0.00 | 0.00 | 13876.64 | 0.00 | 1005.20 | 10.00 | 14891.84 | केंद्रीय क्षेत्र |
| **V** | **North-Eastern Region** | **520.02** | **1736.05** | **36.00** | **2292.07** | **0.00** | **1342.00** | **282.56** | **3916.63** | **पूर्वोत्तर क्षेत्र** |
| **1** | Arunachal Pradesh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 104.61 | 104.61 | अरुणाचल प्रदेश |
| **2** | Assam | 0.00 | 288.45 | 0.00 | 288.45 | 0.00 | 100.00 | 30.01 | 418.46 | असम |
| **3** | Manipur | 0.00 | 0.00 | 36.00 | 36.00 | 0.00 | 0.00 | 5.45 | 41.45 | मणिपुर |
| **4** | Meghalaya | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 322.00 | 31.03 | 353.03 | मेघालय |
| **5** | Mizoram | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.47 | 36.47 | मिजोरम |
| **6** | Nagaland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.67 | 30.67 | नागालैंड |
| **7** | Tripura | 0.00 | 169.50 | 0.00 | 169.50 | 0.00 | 0.00 | 16.01 | 185.51 | त्रिपुरा |
| **8** | Private sector | 0.00 | 24.50 | 0.00 | 24.50 | 0.00 | 0.00 | 23.31 | 47.81 | निजी क्षेत्र |
| **9** | Central sector | 520.02 | 1253.60 | 0.00 | 1773.62 | 0.00 | 920.00 | 5.00 | 2698.62 | केंद्रीय क्षेत्र |
| | **State** | **0.00** | **0.00** | **40.05** | **40.05** | **0.00** | **0.00** | **12.56** | **52.61** | **राज्य** |
| 1 | Andaman And Nicobar Island | 0.00 | 0.00 | 40.05 | 40.05 | 0.00 | 0.00 | 5.25 | 45.30 | अंडमान एवं निकोबार दीप समूह |
| 2 | Lakshadweep | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | लक्षद्वीप |
| 3 | Private sector | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.21 | 2.21 | निजी क्षेत्र |
| 4 | Central sector | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 5.10 | केंद्रीय क्षेत्र |
| | **All INDIA** | **197171.50** | **24897.46** | **837.63** | **222906.59** | **6780.00** | **45293.42** | **69022.39** | **344002.39** | **अखिल भारत** |

*Source : Central Electricity Authority* स्रोत : *केंद्रीय विद्युत प्राधिकरण* .

*: RES includes SHP,BP,U&I, Solar and Wind Energy. Installed capacity in respect ot RES (MNER) as on 30.9.2013

## Statement 2.14: Installed Power generating capacity in India
## विवरण 2.14 : भारत में विद्युत उत्पादन की संस्थापित क्षमता

(Mega Watts/मेगावाट)

| Sr. No. क्र. सं. | As on को | Hydro हाइड्रो | Thermal थर्मल | | | | Nuclear परमाणु | RES# आरईएस# | Grand Total कुल योग |
|---|---|---|---|---|---|---|---|---|---|
| | | | Coal कोयला | Gas गैस | Diesel डीजल | Total कुल | | | |
| 1 | 31.12.47 | 508 | 756 | 0 | 98 | 854 | 0 | 0 | 1362 |
| 2 | 31.12.50 | 560 | 1004 | 0 | 149 | 1153 | 0 | 0 | 1713 |
| 3 | 31.03.56 | 1061 | 1597 | 0 | 228 | 1825 | 0 | 0 | 2886 |
| 4 | 31.03.61 | 1917 | 2436 | 0 | 300 | 2736 | 0 | 0 | 4653 |
| 5 | 31.03.66 | 4124 | 4417 | 134 | 352 | 4903 | 0 | 0 | 9027 |
| 6 | 31.03.69 | 5907 | 6640 | 134 | 276 | 7050 | 0 | 0 | 12957 |
| 7 | 31.03.74 | 6966 | 8652 | 165 | 241 | 9058 | 640 | 0 | 16664 |
| 8 | 31.03.79 | 10833 | 14875 | 168 | 164 | 15207 | 640 | 0 | 26680 |
| 9 | 31.03.80 | 11384 | 15991 | 268 | 165 | 16424 | 640 | 0 | 28448 |
| 10 | 31.03.85 | 14460 | 26311 | 542 | 177 | 27030 | 1095 | 0 | 42585 |
| 11 | 31.03.90 | 18307 | 41236 | 2343 | 165 | 43744 | 1565 | 0 | 63636 |
| 12 | 31.03.92 | 19194 | 44791 | 3095 | 168 | 48054 | 1785 | 32 | 69065 |
| 13 | 31.03.97 | 21658 | 54154 | 6562 | 2947 | 63663 | 2225 | 900 | 85795 |
| 14 | 31.03.02 | 26269 | 62131 | 11163 | 1135 | 74429 | 2720 | 1628 | 105046 |
| 15 | 31.03.03 | 26767 | 63951 | 11633 | 1178 | 76762 | 2720 | 1628 | 107877 |
| 16 | 31.03.04 | 29507 | 64957 | 11840 | 1172 | 77969 | 2720 | 2488 | 112684 |
| 17 | 31.03.05 | 30942 | 67791 | 11910 | 1202 | 80903 | 2770 | 3812 | 118426 |
| 18 | 31.03.06 | 32326 | 68518 | 12690 | 1202 | 82410 | 3360 | 6191 | 124287 |
| 19 | 31.03.07 | 34654 | 71121 | 13692 | 1202 | 86015 | 3900 | 7760 | 132329 |
| 20 | 31.03.08 | 35909 | 76049 | 14656 | 1202 | 91907 | 4120 | 11125 | 143061 |
| 21 | 31.03.09 | 36878 | 77649 | 14876 | 1200 | 93725 | 4120 | 13242 | 147965 |
| 22 | 31.03.10 | 36863* | 84198 | 17056 | 1200 | 102454 | 4560 | 15521 | 159398 |
| 23 | 31.03.11 | 37567 | | | | 112824 | 4780 | 18455 | 173626 |
| 24 | 31.03.12 | 38990 | 112022 | 18381 | 1200 | 131603 | 4780 | 24504 | 199877 |
| 25 | 31.03.13 | 39491 | 130221 | 20110 | 1200 | 151531 | 4780 | 27542 | 223344 |
| 26 | 31.03.14 | 40531 | 145273 | 21782 | 1200 | 168255 | 4780 | 34988 | 248554 |
| 27 | 31.03.15 | 41267 | 164636 | 23062 | 1200 | 188898 | 5780 | 38959 | 274904 |
| 28 | 31.03.16 | 42783 | 185173 | 24509 | 994 | 210675 | 5780 | 45924 | 305163 |
| 29 | 31.03.17 | 44478 | 192163 | 25329 | 838 | 218330 | 6780 | 57244 | 326833 |
| 30 | 31.03.18 | 45293 | 192972 | 25150 | 838 | 222907 | 6780 | 69022 | 344002 |

*Source: Central Electricity Authority/ स्रोत: केंद्रीय विद्युत प्राधिकरण*

# : RES:- Renewable Energy Sources includes Hydro capacity of 25.00 MW and below as reported by MNRE.

* : After accounting for derations/uprations etc. and reconciliation with utilities, the installed capacity figure of 36863 MW would work out to 38990 as on 31.03.2012.

**Statement 2.15: Annual gross generation of power by source and by sector**

**विवरण 2.15 : स्रोत और सेक्टर के अनुसार विद्युत का वार्षिक सकल उत्पादन**

**(in GWh / गीगावाट घंटे)**

| Sl. No. क्र. सं. | Year वर्ष | Hydro हाइड्रो | Thermal थर्मल | | | | Nuclear परमाणु | RES आरईएस | Total कुल |
|---|---|---|---|---|---|---|---|---|---|
| | | | Coal/Lignite कोयला/लिग्नाइट | Gas गैस | Diesel डीजल | Total कुल | | | |
| 1 | 1947 | 2195 | 1733 | 0 | 144 | 1877 | 0 | 0 | 4073 |
| 2 | 1950 | 2519 | 2387 | 0 | 200 | 2587 | 0 | 0 | 5106 |
| 3 | 1955-56 | 4295 | 5134 | 0 | 233 | 5367 | 0 | 0 | 9662 |
| 4 | 1960-61 | 7837 | 8732 | 0 | 368 | 9100 | 0 | 0 | 16937 |
| 5 | 1965-66 | 15225 | 17372 | 69 | 324 | 17765 | 0 | 0 | 32990 |
| 6 | 1968-69 | 20723 | 26394 | 123 | 194 | 26711 | 0 | 0 | 47433 |
| 7 | 1973-74 | 28972 | 34853 | 343 | 125 | 35321 | 2396 | 0 | 66689 |
| 8 | 1978-79 | 47159 | 52024 | 515 | 55 | 52594 | 2770 | 0 | 102523 |
| 9 | 1979-80 | 45478 | 55720 | 500 | 53 | 56273 | 2876 | 0 | 104627 |
| 10 | 1984-85 | 53948 | 96957 | 1834 | 45 | 98836 | 4075 | 0 | 156859 |
| 11 | 1989-90 | 62116 | 172643 | 5962 | 85 | 178690 | 4625 | 6 | 245438 |
| 12 | 1991-92 | 72757 | 197163 | 11450 | 95 | 208708 | 5525 | 38 | 287029 |
| 13 | 1996-97 | 68901 | 289378 | 26985 | 679 | 317042 | 9071 | 876 | 395889 |
| 14 | 2001-02 | 73580 | 370884 | 47099 | 4317 | 422300 | 19475 | 2085 | 517439 |
| 15 | 2006-07 | 113502 | 461794 | 64157 | 2539 | 528490 | 18,802 | 9,860 | 6,70,654 |
| 16 | 2007-08 | 120387 | 486998 | 69716 | 3357 | 560072 | 16,957 | 25,210 | 7,22,625 |
| 17 | 2008-09 | 110099 | 511895 | 71597 | 4789 | 588281 | 14,927 | 27,860 | 7,41,167 |
| 18 | 2009-10 | 104059 | 539586 | 96373 | 4248 | 640208 | 18,636 | 36,947 | 7,99,851 |
| 19 | 2010-11 | 114416 | 561298 | 100342 | 3181 | 664822 | 26,266 | 39,245 | 8,44,748 |
| 20 | 2011-12 | 130511 | 612497 | 93281 | 2649 | 708427 | 32,287 | 51,226 | 9,22,451 |
| 21 | 2012-13 | 113720 | 691341 | 66664 | 2449 | 760454 | 32,866 | 57,449 | 9,64,489 |
| 22 | 2013-14 | 134847 | 745533 | 44522 | 1998 | 792054 | 34,228 | 65,520 | 10,26,649 |
| 23 | 2014-15 | 129244 | 835291 | 41075 | 1576 | 877941 | 36,102 | 73,563 | 11,16,850 |
| 24 | 2015-16 | 121377 | 895340 | 47122 | 551 | 943013 | 37413 | 65781 | 1167584 |
| 25 | 2016-17 | 122378 | 944022 | 49094 | 401 | 993516 | 37916 | 81548 | 1235358 |
| 26 | 2017-18 | 126123 | 986591 | 50208 | 386 | 1037184 | 38346 | 101839 | 1303493 |

Source: Growth Of Electricity Sector In India From 1947-2018, Central Electricity Authority & Energy Statistics 2017, MOSPI

स्रोत : भारत में 1947-2018 से विद्युत क्षेत्र का विकास, केंद्रीय विद्युत प्राधिकरण और ऊर्जा सांख्यिकी 2017, सांख्यिकी एवं कार्यक्रम कार्यान्वयन मंत्रालय

1. BBMB generation has been considered in State Sector.
2. RES Generation upto 2013-2014 as per normative generation.
3. RES Generation during 2014-2015 onwards are as per actual generation received from utilities.

## Statement 2.16 : Domestic production of petroleum products
## विवरण 2.16 : पेट्रोलियम उत्पादों का घरेलू उत्पादन

*(000' Tonne टन)*

| Sl. No. क्र. सं. | Year वर्ष | Light Distillates हल्के आसव | Middle Distillates मध्यम आसव | Heavy Ends भारी अंत्य | Others अन्य | Total कुल |
|---|---|---|---|---|---|---|
| 1 | 1970-71 | 2900 | 8432 | 5277 | 501 | 17110 |
| 2 | 1971-72 | 3027 | 9224 | 5389 | 999 | 18639 |
| 3 | 1972-73 | 3138 | 9222 | 5233 | 267 | 17860 |
| 4 | 1973-74 | 3344 | 9606 | 5473 | 1072 | 19495 |
| 5 | 1974-75 | 3296 | 10007 | 5640 | 668 | 19611 |
| 6 | 1975-76 | 3516 | 10595 | 6282 | 436 | 20829 |
| 7 | 1976-77 | 3689 | 11028 | 6204 | 511 | 21432 |
| 8 | 1977-78 | 3926 | 11880 | 6892 | 521 | 23219 |
| 9 | 1978-79 | 4180 | 12268 | 7218 | 527 | 24193 |
| 10 | 1979-80 | 4333 | 12848 | 8040 | 573 | 25794 |
| 11 | 1980-81 | 4000 | 11876 | 7714 | 533 | 24123 |
| 12 | 1981-82 | 5028 | 13907 | 8754 | 493 | 28182 |
| 13 | 1982-83 | 5189 | 15412 | 9944 | 528 | 31073 |
| 14 | 1983-84 | 6029 | 16666 | 9675 | 556 | 32926 |
| 15 | 1984-85 | 6210 | 17000 | 9425 | 601 | 33236 |
| 16 | 1985-86 | 8131 | 21350 | 9755 | 645 | 39881 |
| 17 | 1986-87 | 8947 | 23087 | 9990 | 737 | 42761 |
| 18 | 1987-88 | 9150 | 24354 | 10571 | 653 | 44728 |
| 19 | 1988-89 | 9234 | 25078 | 10491 | 896 | 45699 |
| 20 | 1989-90 | 9734 | 26552 | 11445 | 959 | 48690 |
| 21 | 1990-91 | 9632 | 25966 | 11822 | 1142 | 48562 |
| 22 | 1991-92 | 9216 | 25764 | 11953 | 1416 | 48349 |
| 23 | 1992-93 | 9544 | 26577 | 13019 | 1219 | 50359 |
| 24 | 1993-94 | 9823 | 27341 | 12900 | 1020 | 51084 |
| 25 | 1994-95 | 11223 | 28186 | 12430 | 1088 | 52927 |
| 26 | 1995-96 | 11976 | 29406 | 12500 | 1199 | 55081 |
| 27 | 1996-97 | 12425 | 31843 | 13446 | 1291 | 59005 |
| 28 | 1997-98 | 12618 | 33448 | 14113 | 1129 | 61308 |
| 29 | 1998-99 | 13378 | 35682 | 14321 | 1163 | 64544 |
| 30 | 1999-00 | 16889 | 44444 | 15030 | 3048 | 79411 |
| 31 | 2000-01 | 22066 | 51760 | 17270 | 4518 | 95614 |
| 32 | 2001-02 | 23657 | 53878 | 18223 | 4246 | 100004 |
| 33 | 2002-03 | 24914 | 55367 | 18451 | 5408 | 104140 |
| 34 | 2003-04 | 27664 | 59451 | 20178 | 6170 | 113463 |
| 35 | 2004-05 | 30727 | 61948 | 22127 | 3777 | 118579 |
| 36 | 2005-06 | 34299 | 63947 | 21740 | 4419 | 124405 |
| 37 | 2006-07 | 39092 | 70718 | 24192 | 5746 | 139748 |
| 38 | 2007-08 | 40923 | 76124 | 25322 | 7103 | 149472 |
| 39 | 2008-09 | 41630 | 79973 | 27512 | 6033 | 155148 |
| 40 | 2009-10 | 51659 | 91777 | 27894 | 13279 | 184610 |
| 41 | 2010-11 | 55042 | 96045 | 28592 | 15142 | 194821 |
| 42 | 2011-12 | 55558 | 101308 | 31908 | 14429 | 203202 |
| 43 | 2012-13 | 58961 | 109562 | 31563 | 17650 | 217736 |
| 44 | 2013-14 | 58810 | 112820 | 31199 | 17927 | 220756 |
| 45 | 2014-15 | 59556 | 113448 | 29945 | 18188 | 221136 |
| 46 | 2015-16 | 63750 | 118309 | 29243 | 20622 | 231923 |
| 47 | 2016-17 | 67865 | 122985 | 30112 | 22589 | 243551 |
| 48 | 2017-18(P) | 70170 | 127468 | 30553 | 26215 | 254405 |

Source : Ministry of Petroleum and Natural Gas. स्रोत : पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय

Note: 1. Light Distillates includes Liquified Petroleum Gas , Petrol and Naphtha.

2. Middle Distillates includes Kerosene, Aviation Turbine, High Speed Diesel Oil and Light Diesel Oil

3. Heavy Ends includes Fuel Oil, Lubricant, Petroleum Coke and Bitumen

4. Others include waxes, Sulphur, MTO, SBPS, Benzene, LABFS etc. (P) - Provisional/अंनतिम

* : Sum doesn't match with total of rounding off

## Statement 2.17 : Industry-wise off-take of natural gas
## विवरण 2.17 : प्राकृतिक गैस का उद्योग-वार उठाव

(Million Cubic Meters मिलियन घनमीटर)

| Sl No. क्र. सं. | Year वर्ष | Energy Purposes ऊर्जा के प्रयोजनार्थ | | | | | | | Non-Energy Purposes ऊर्जा से भिन्न प्रयोजनों के लिए | | | | | Grand Total कुल योग |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Power Generation विद्युत उत्पादन | Industrial आद्योगिक | Tea Plantation चाय बागान | Domestic fuel /Transport* घरेलू ईंधन / परिवहन* | Refinery रिफाइनरी | Miscellaneous Sector $ विविध क्षेत्र $ | Total कुल | Fertilizer उर्वरक | Captive Use/LPG Shrinkage स्वोपयोगी प्रयोग/एल पीजी संकुचन | Sponge Iron स्पंज आयरन | Petrochemical पेट्रोरसायन | Total कुल | |
| 1 | 2011-12 | 22628 | 284 | 175 | 5599 | 4257 | 9479 | 42422 | 14003 | 1068 | 1333 | 1858 | 18263 | 60684 |
| 2 | 2012-13 | 16078 | 269 | 182 | 5780 | 3891 | 8363 | 34562 | 14733 | 1027 | 1106 | 2486 | 19352 | 53915 |
| 3 | 2013-14 | 11284 | 156 | 196 | 5904 | 3968 | 8022 | 29464 | 15869 | 982 | 274 | 2405 | 19530 | 48994 |
| 4 | 2014-15 | 10720 | 395 | 180 | 5416 | 4575 | 6430 | 27716 | 15190 | 1005 | 154 | 2890 | 19239 | 46955 |
| 5 | 2015-16 | 10889 | 401 | 187 | 5464 | 5077 | 4666 | 26683 | 16135 | 754 | 544 | 3733 | 21166 | 47849 |
| 6 | 2016-17 | 11616 | 688 | 183 | 7350 | 5374 | 4323 | 29535 | 15429 | 759 | 885 | 4170 | 21243 | 50778 |
| 7 | 2017-18 (P) | 12028 | 873 | 189 | 8585 | 6533 | 3849 | 32057 | 14676 | 798 | 1278 | 4024 | 20776 | 52833 |

Source : Ministry of Petroleum and Natural Gas. स्रोत : पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय

*:Includes Road Tansport Sectors & CGD Sector (P) - Provisional/अंनतिम

$ : Miscellaneous Sector =Manufacture +Road Transport+ Internal consumption for pipeline system

Note: Sectors where natural gas is being used as feedstock are classified as consumption of gas under non energy purpose whereas those sectors where natural gas is used as fuel are classified as consumption of gas under energy purpose.

## Statement 2.18: Availability of crude oil and petroleum products
## विवरण 2.18 : कच्चा तेल एवं पेट्रोलियम उत्पादों की उपलब्धता

('000 Tonne टन)

| Sl. No. क्र. सं. | Year वर्ष | Crude Oil कच्चा तेल | | | Petroleum Products पेट्रोलियम उत्पाद | | |
|---|---|---|---|---|---|---|---|
| | | Production उत्पादन | Net Imports निवल आयात | Gross Availability सकल उपलब्धता | Production उत्पादन | Net Imports निवल आयात | Gross Availability सकल उपलब्धता |
| 1 | 1970-71 | 6822 | 11683 | 18505 | 17110 | 752 | 17862 |
| 2 | 1971-72 | 7299 | 12951 | 20250 | 18639 | 2011 | 20650 |
| 3 | 1972-73 | 7321 | 12084 | 19405 | 17830 | 3399 | 21229 |
| 4 | 1973-74 | 7189 | 13855 | 21044 | 19495 | 3387 | 22882 |
| 5 | 1974-75 | 7684 | 14016 | 21700 | 19603 | 2473 | 22076 |
| 6 | 1975-76 | 8448 | 13624 | 22072 | 20829 | 2048 | 22877 |
| 7 | 1976-77 | 8898 | 14048 | 22946 | 21432 | 2550 | 23982 |
| 8 | 1977-78 | 10763 | 14507 | 25270 | 23219 | 2832 | 26051 |
| 9 | 1978-79 | 11633 | 14657 | 26290 | 24193 | 3834 | 28027 |
| 10 | 1979-80 | 11766 | 16121 | 27887 | 25794 | 4636 | 30430 |
| 11 | 1980-81 | 10507 | 16248 | 26755 | 24123 | 7253 | 31376 |
| 12 | 1981-82 | 16194 | 14460 | 30654 | 28182 | 4829 | 33011 |
| 13 | 1982-83 | 21063 | 12397 | 33460 | 31073 | 4233 | 35306 |
| 14 | 1983-84 | 26020 | 10445 | 36465 | 32926 | 2856 | 35782 |
| 15 | 1984-85 | 28990 | 7164 | 36154 | 33236 | 5159 | 38395 |
| 16 | 1985-86 | 30168 | 14616 | 44784 | 39881 | 1902 | 41783 |
| 17 | 1986-87 | 30480 | 15476 | 45956 | 42761 | 556 | 43317 |
| 18 | 1987-88 | 30357 | 17734 | 48091 | 44728 | 739 | 45467 |
| 19 | 1988-89 | 32040 | 17815 | 49855 | 45699 | 4200 | 49899 |
| 20 | 1989-90 | 34087 | 19490 | 53577 | 48690 | 3971 | 52661 |
| 21 | 1990-91 | 32160 | 20699 | 52859 | 48562 | 6012 | 54574 |
| 22 | 1991-92 | 30345 | 23994 | 54339 | 48349 | 6509 | 54858 |
| 23 | 1992-93 | 26950 | 29247 | 56197 | 50359 | 7564 | 57923 |
| 24 | 1993-94 | 27026 | 30822 | 57848 | 51084 | 8042 | 59126 |
| 25 | 1994-95 | 32494 | 27349 | 59843 | 52927 | 10697 | 63624 |
| 26 | 1995-96 | 35168 | 27342 | 62510 | 55081 | 16900 | 71981 |
| 27 | 1996-97 | 32900 | 33906 | 66806 | 59005 | 17103 | 76108 |
| 28 | 1997-98 | 33858 | 34493 | 68351 | 61308 | 20589 | 81897 |
| 29 | 1998-99 | 32722 | 39808 | 72530 | 64544 | 23052 | 87596 |
| 30 | 1999-00 | 31949 | 57805 | 89754 | 79411 | 15862 | 95273 |
| 31 | 2000-01 | 32426 | 74097 | 106523 | 95614 | 902 | 96516 |
| 32 | 2001-02 | 32032 | 78706 | 110738 | 100004 | -3056 | 96948 |
| 33 | 2002-03 | 33044 | 81989 | 115033 | 104140 | -3061 | 101079 |
| 34 | 2003-04 | 33373 | 90434 | 123807 | 113463 | -6619 | 106844 |
| 35 | 2004-05 | 33981 | 95861 | 129842 | 118579 | -9383 | 109196 |
| 36 | 2005-06 | 32190 | 99409 | 131599 | 124405 | -10020 | 114385 |
| 37 | 2006-07 | 33988 | 111502 | 145490 | 139748 | -15964 | 123784 |
| 38 | 2007-08 | 34118 | 121672 | 155790 | 149472 | -18317 | 131155 |
| 39 | 2008-09 | 33508 | 132775 | 166284 | 155148 | -20358 | 134789 |
| 40 | 2009-10 | 33690 | 159259 | 192949 | 184610 | -36490 | 148120 |
| 41 | 2010-11 | 37684 | 163595 | 201279 | 194821 | -41698 | 153123 |
| 42 | 2011-12 | 38090 | 171729 | 209819 | 203202 | -44988 | 158214 |
| 43 | 2012-13 | 37862 | 184795 | 222657 | 217736 | -47054 | 170683 |
| 44 | 2013-14 | 37788 | 189238 | 227027 | 220756 | -51167 | 169589 |
| 45 | 2014-15 | 37461 | 189435 | 226896 | 221136 | -42631 | 178505 |
| 46 | 2015-16 | 36942 | 202850 | 239792 | 231923 | -31083 | 200840 |
| 47 | 2016-17 | 36009 | 213932 | 249941 | 243551 | -29226 | 214325 |
| 48 | 2017-18(P) | 35684 | 220434 | 256118 | 254405 | -30866 | 223539 |

*Source : Indian Petroleum & Natural Gas Statistics 2017-18, Ministry of Petroleum and Natural Gas*

*स्रोत : भारतीय पेट्रोलियम एवं प्राकृतिक गैस सांख्यिकी 2017-18, पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय*

(P) - Provisional/अंनतिम

## Statement 2.19: Gross and net production of natural gas

## विवरण 2.19 : प्राकृतिक गैस का सकल एवं निवल उत्पादन

(Million cubic metres/ मिलियन घनमीटर)

| Sl. No. | Year वर्ष | Gross Production सकल उत्पादन | Re-injected * पुन: अंत:क्षेपित | Flared धधक | Net Production निवल उत्पादन |
|---|---|---|---|---|---|
| 1 | 1970-71 | 1445 | 36 | 744 | 667 |
| 2 | 1971-72 | 1535 | 49 | 768 | 718 |
| 3 | 1972-73 | 1565 | 141 | 653 | 771 |
| 4 | 1973-74 | 1713 | 115 | 836 | 762 |
| 5 | 1974-75 | 2041 | 139 | 951 | 951 |
| 6 | 1975-76 | 2368 | 160 | 1084 | 1124 |
| 7 | 1976-77 | 2428 | 190 | 857 | 1381 |
| 8 | 1977-78 | 2839 | 184 | 1191 | 1464 |
| 9 | 1978-79 | 2812 | 148 | 953 | 1711 |
| 10 | 1979-80 | 2767 | 127 | 964 | 1676 |
| 11 | 1980-81 | 2358 | 43 | 793 | 1522 |
| 12 | 1981-82 | 3851 | 110 | 1519 | 2222 |
| 13 | 1982-83 | 4936 | 91 | 1888 | 2957 |
| 14 | 1983-84 | 5961 | 45 | 2515 | 3401 |
| 15 | 1984-85 | 7241 | 48 | 3052 | 4141 |
| 16 | 1985-86 | 8134 | 66 | 3118 | 4950 |
| 17 | 1986-87 | 9853 | 63 | 2715 | 7075 |
| 18 | 1987-88 | 11467 | 54 | 3445 | 7968 |
| 19 | 1988-89 | 13217 | 84 | 3883 | 9250 |
| 20 | 1989-90 | 16988 | 96 | 5720 | 11172 |
| 21 | 1990-91 | 17998 | 102 | 5131 | 12765 |
| 22 | 1991-92 | 18644 | 132 | 4072 | 14410 |
| 23 | 1992-93 | 18061 | 90 | 1854 | 16117 |
| 24 | 1993-94 | 18336 | 71 | 1924 | 16341 |
| 25 | 1994-95 | 19468 | 23 | 2108 | 17337 |
| 26 | 1995-96 | 22642 | 0 | 1710 | 20932 |
| 27 | 1996-97 | 23256 | 0 | 1932 | 21354 |
| 28 | 1997-98 | 26401 | 0 | 1856 | 24545 |
| 29 | 1998-99 | 27428 | 0 | 1722 | 25706 |
| 30 | 1999-00 | 28446 | 0 | 1561 | 26886 |
| 31 | 2000-01 | 29477 | 0 | 1617 | 27860 |
| 32 | 2001-02 | 29714 | 0 | 1677 | 28037 |
| 33 | 2002-03 | 31389 | 0 | 1426 | 29963 |
| 34 | 2003-04 | 31962 | 0 | 1056 | 30906 |
| 35 | 2004-05 | 31763 | 0 | 988 | 30775 |
| 36 | 2005-06 | 32202 | 4467 | 877 | 26858 |
| 37 | 2006-07 | 31747 | 4372 | 956 | 26419 |
| 38 | 2007-08 | 32417 | 4499 | 938 | 26981 |
| 39 | 2008-09 | 32845 | 4680 | 1099 | 27066 |
| 40 | 2009-10 | 47496 | 5661 | 975 | 40874 |
| 41 | 2010-11 | 52219 | 5214 | 968 | 46040 |
| 42 | 2011-12 | 47559 | 5313 | 1077 | 41170 |
| 43 | 2012-13 | 40679 | 5428 | 903 | 34348 |
| 44 | 2013-14 | 35407 | 5654 | 769 | 28984 |
| 45 | 2014-15 | 33657 | 6010 | 867 | 26780 |
| 46 | 2015-16 | 32249 | 5945 | 1007 | 25297 |
| 47 | 2016-17 | 31897 | 5929 | 976 | 24992 |
| 48 | 2017-18 (P) | 32649 | 5902 | 824 | 25923 |

Source : Ministry of Petroleum and Natural Gas. स्रोत : पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय

Note: Reinjected's (internal use) figures for the year 1995-96 to 2004-05 is not available.

(P) - Provisional/अंनतिम

* : Reinjected=Internal use +Losses

**Statement 2.20 :State-wise cumulative solar photovoltaic systems installed**

**विवरण 2.20 : राज्यवार संस्थापित सोलर फोटोवॉल्टिक प्रणालियां**

**(upto 31 दिसंबर, 2017 तक)**

| S. No. क्र. सं. | State/UT | Solar photovoltaic systems (numbers) सोलर फोटोवॉल्टिक प्रणालियां (संख्या) | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|
| | | Lanterns & Lamps लालटेन और लैंप | Home lights गृह लाइट | Street lights स्ट्रीट लाइट | Pumps पंप | Stands alone power plant अकेले चल सकने योग्य विद्युत संयंत्र | |
| 1 | Andhra Pradesh | 51360 | 22972 | 7812 | 19526 | 3786 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 14433 | 18945 | 1671 | 22 | 650 | अरुणाचल प्रदेश |
| 3 | Assam | 13379 | 6926 | 318 | 45 | 1605 | असम |
| 4 | Bihar | 210391 | 12303 | 955 | 1882 | 4169 | बिहार |
| 5 | Chhattisgarh | 3311 | 7754 | 2042 | 26673 | 28660 | छत्तीसगढ़ |
| 6 | Delhi | 4807 | 0 | 301 | 90 | 1269 | दिल्ली |
| 7 | Goa | 1093 | 393 | 707 | 15 | 33 | गोवा |
| 8 | Gujarat | 31603 | 9253 | 2004 | 8010 | 13577 | गुजरात |
| 9 | Haryana | 93853 | 56727 | 22018 | 1243 | 2321 | हरियाणा |
| 10 | Himachal Pradesh | 33909 | 29342 | 58718 | 6 | 1906 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 51224 | 65319 | 5806 | 39 | 7720 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 138723 | 9450 | 787 | 3598 | 3640 | झारखंड |
| 13 | Karnataka | 7334 | 52638 | 2694 | 4118 | 7754 | कर्नाटक |
| 14 | Kerala | 54367 | 41912 | 1735 | 818 | 15825 | केरल |
| 15 | Madhya Pradesh | 529101 | 4016 | 9378 | 5584 | 3654 | मध्य प्रदेश |
| 16 | Maharashtra | 239297 | 3497 | 10420 | 3315 | 3858 | महाराष्ट्र |
| 17 | Manipur | 4787 | 3900 | 1888 | 40 | 1241 | मणिपुर |
| 18 | Meghalaya | 24875 | 7844 | 4900 | 19 | 1085 | मेघालय |
| 19 | Mizoram | 9589 | 6801 | 5056 | 37 | 2019 | मिजोरम |
| 20 | Nagaland | 6766 | 1045 | 6235 | 3 | 1506 | नागालैंड |
| 21 | Odisha | 99843 | 5274 | 5834 | 8570 | 568 | ओडिशा |
| 22 | Punjab | 17495 | 8626 | 42758 | 1857 | 2066 | पंजाब |
| 23 | Rajasthan | 225851 | 166978 | 6852 | 41377 | 10850 | राजस्थान |
| 24 | Sikkim | 23300 | 15059 | 504 | 0 | 850 | सिक्किम |
| 25 | Tamil Nadu | 16818 | 273015 | 39235 | 4459 | 12753 | तमिलनाडु |
| 26 | Telangana | 0 | 0 | 351 | 424 | 6643 | तेलंगाना |
| 27 | Tripura | 64282 | 32723 | 1199 | 151 | 667 | त्रिपुरा |
| 28 | Uttar Pradesh | 104791 | 235909 | 185091 | 10877 | 10041 | उत्तर प्रदेश |
| 29 | Uttarakhand | 93927 | 91595 | 21905 | 26 | 2365 | उत्तराखंड |
| 30 | West Bengal | 17662 | 145332 | 8726 | 653 | 1730 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | 6296 | 468 | 390 | 5 | 167 | अंडमान एवं निकोबार दीप समूह |
| 32 | Chandigarh | 1675 | 275 | 898 | 12 | 730 | चंडीगढ़ |
| 33 | Lakshadweep | 5289 | 600 | 2465 | 0 | 2190 | लक्षद्वीप |
| 34 | Puducherry | 1637 | 25 | 417 | 21 | 121 | पुद्दुचेरी |
| 35 | Others | 125797 | 24047 | 9150 | 0 | 23885 | अन्य |
| 36 | NABARD | 0 | 116226 | 0 | 4012 | 0 | नाबार्ड |
| **Total** | | **2328865** | **1477189** | **471220** | **147527** | **181901** | **कुल** |

Source: Annual Report 2017-18, Ministry of New and Renewable Energy.

स्रोत: वार्षिक रिपोर्ट 2017-18, नवीन एवं नवीकरणीय ऊर्जा मंत्रालय

**Statement 2.21 : State wise details of small hydro power projects (upto 25 MW) Setup & Under Implementation**

**विवरण 2.21 : स्थापित एवं कार्यान्वयन के अधीन लघु जल विद्युत परियोजनाओं (25 MW तक ) का राज्यवार ब्यौरा**

(as on 31.12.2017)

| Sl. No क्र. संख्या | States | Potential विभव | | Projects set-up स्थापित परियोजनाएं | | Project under Implementation कार्यान्वयन के अधीन परियोजना | | राज्य |
|---|---|---|---|---|---|---|---|---|
| | | Nos. संख्या | Capacity (MegaWatt) क्षमता (मेगा वाट) | Nos. संख्या | Capacity (MegaWatt) क्षमता (मेगा वाट) | Nos. संख्या | Capacity (MegaWatt) क्षमता (मेगा वाट) | |
| 1 | Andhra Pradesh | 359 | 409.32 | 44 | 162.11 | 0 | 0.00 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 800 | 2064.92 | 152 | 104.61 | 16 | 41.05 | अरुणाचल प्रदेश |
| 3 | Assam | 106 | 201.99 | 6 | 34.11 | 1 | 2.00 | असम |
| 4 | Bihar | 139 | 526.98 | 29 | 70.70 | 0 | 0.00 | बिहार |
| 5 | Chhattisgarh | 199 | 1098.20 | 10 | 76.00 | 0 | 0.00 | छत्तीसगढ़ |
| 6 | Goa | 7 | 4.70 | 1 | 0.05 | 0 | 0.00 | गोवा |
| 7 | Gujarat | 292 | 201.97 | 6 | 16.60 | 13 | 92.31 | गुजरात |
| 8 | Haryana | 33 | 107.40 | 9 | 73.50 | 1 | 0.10 | हरियाणा |
| 9 | Himachal Pradesh | 1049 | 3460.34 | 184 | 842.11 | 28 | 272.30 | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 302 | 1707.45 | 42 | 161.03 | 20 | 53.20 | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 121 | 227.96 | 6 | 4.05 | 0 | 0.00 | झारखंड |
| 12 | Karnataka | 618 | 3726.49 | 167 | 1230.73 | 3 | 29.00 | कर्नाटक |
| 13 | Kerala | 238 | 647.15 | 33 | 219.02 | 9 | 76.00 | केरल |
| 14 | Madhya Pradesh | 299 | 820.44 | 11 | 86.16 | 1 | 9.75 | मध्य प्रदेश |
| 15 | Maharashtra | 270 | 786.46 | 66 | 349.18 | 13 | 40.20 | महाराष्ट्र |
| 16 | Manipur | 110 | 99.95 | 8 | 5.45 | 0 | 0.00 | मणिपुर |
| 17 | Meghalaya | 97 | 230.05 | 4 | 31.03 | 2 | 24.00 | मेघालय |
| 18 | Mizoram | 72 | 168.90 | 18 | 36.47 | 4 | 8.70 | मिजोरम |
| 19 | Nagaland | 98 | 182.18 | 12 | 30.67 | 2 | 1.15 | नागालैंड |
| 20 | Odisha | 220 | 286.22 | 10 | 64.63 | 5 | 60.50 | ओडिशा |
| 21 | Punjab | 375 | 578.28 | 54 | 170.90 | 9 | 7.55 | पंजाब |
| 22 | Rajasthan | 64 | 51.67 | 10 | 23.85 | 0 | 0.00 | राजस्थान |
| 23 | Sikkim | 88 | 266.64 | 17 | 52.11 | 0 | 0.00 | सिक्किम |
| 24 | Tamil Nadu | 191 | 604.46 | 21 | 123.05 | 0 | 0.00 | तमिलनाडु |
| 25 | Telangana | 94 | 102.25 | 30 | 90.87 | 0 | 0.00 | तेलंगाना |
| 26 | Tripura | 13 | 46.86 | 3 | 16.01 | 0 | 0.00 | त्रिपुरा |
| 27 | Uttar Pradesh | 251 | 460.75 | 9 | 25.10 | 2 | 25.50 | उत्तर प्रदेश |
| 28 | Uttarakhand | 442 | 1664.31 | 102 | 214.32 | 7 | 10.85 | उत्तराखंड |
| 29 | West Bengal | 179 | 392.06 | 24 | 98.50 | 0 | 0.00 | पश्चिम बंगाल |
| 30 | Andaman and Nicobar Islands | 7 | 7.27 | 1 | 5.25 | 0 | 0.00 | अंडमान एवं निकोबार दीप समूह |
| | **Total** | **7134** | **21133.62** | **1089** | **4418.16** | **136** | **754.16** | **कुल** |

Source: Annual Report 2017-18, Ministry of New and Renewable Energy

स्रोत: वार्षिक रिपोर्ट 2017-18, नवीन एवं नवीकरणीय ऊर्जा मंत्रालय

**Statement 2.22: Sourcewise and State wise estimated potential of Renewable Power in India**

**विवरण 2.22 : भारत में नवीकरणीय विद्युत का स्रोतवार एवं राज्यवार अनुमानित विभव**

**(Mega Watts मेगावाट)**

| S.No. क्र. सं. | States/ UTs | Wind Power पवन विद्युत | Small Hydro Power लघु जल विद्युत | Biomass Power बायोमास विद्युत | Cogeneration bagasse सहउत्पादन खोई | Waste to Energy अपशिष्ट से ऊर्जा | Solar सोलर | Total कुल | Distribution (%) वितरण (प्रतिशत) | राज्य / संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 14497 | 978 | 578 | 300 | 123 | 38440 | 54916 | 6.12 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 236 | 1341 | 8 | 0 | 0 | 8650 | 10236 | 1.14 | अरुणाचल प्रदेश |
| 3 | Assam | 112 | 239 | 212 | 0 | 8 | 13760 | 14330 | 1.60 | असम |
| 4 | Bihar | 144 | 223 | 619 | 300 | 73 | 11200 | 12559 | 1.40 | बिहार |
| 5 | Chhattisgarh | 314 | 1107 | 236 | 0 | 24 | 18270 | 19951 | 2.23 | छत्तीसगढ़ |
| 6 | Delhi | 0 | 0 | 0 | 0 | 131 | 2050 | 2181 | 0.24 | दिल्ली |
| 7 | Goa | 0 | 7 | 26 | 0 | 0 | 880 | 912 | 0.10 | गोवा |
| 8 | Gujarat | 35071 | 202 | 1221 | 350 | 112 | 35770 | 72726 | 8.11 | गुजरात |
| 9 | Haryana | 93 | 110 | 1331 | 350 | 24 | 4560 | 6470 | 0.72 | हरियाणा |
| 10 | Himachal Pradesh | 64 | 2398 | 142 | 0 | 2 | 33840 | 36446 | 4.06 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 5685 | 1431 | 43 | 0 | 0 | 111050 | 118208 | 13.18 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 91 | 209 | 90 | 0 | 10 | 18180 | 18580 | 2.07 | झारखंड |
| 13 | Karnataka | 13593 | 4141 | 1131 | 450 | 0 | 24700 | 44015 | 4.91 | कर्नाटक |
| 14 | Kerala | 837 | 704 | 1044 | 0 | 36 | 6110 | 8732 | 0.97 | केरल |
| 15 | Madhya Pradesh | 2931 | 820 | 1364 | 0 | 78 | 61660 | 66853 | 7.46 | मध्य प्रदेश |
| 16 | Maharashtra | 5961 | 794 | 1887 | 1250 | 287 | 64320 | 74500 | 8.31 | महाराष्ट्र |
| 17 | Manipur | 56 | 109 | 13 | 0 | 2 | 10630 | 10811 | 1.21 | मणिपुर |
| 18 | Meghalaya | 82 | 230 | 11 | 0 | 2 | 5860 | 6185 | 0.69 | मेघालय |
| 19 | Mizoram | 0 | 169 | 1 | 0 | 2 | 9090 | 9261 | 1.03 | मिजोरम |
| 20 | Nagaland | 16 | 197 | 10 | 0 | 0 | 7290 | 7513 | 0.84 | नागालैंड |
| 21 | Odisha | 1384 | 295 | 246 | 0 | 22 | 25780 | 27728 | 3.09 | ओडिशा |
| 22 | Punjab | 0 | 441 | 3172 | 300 | 45 | 2810 | 6768 | 0.75 | पंजाब |
| 23 | Rajasthan | 5050 | 57 | 1039 | 0 | 62 | 142310 | 148518 | 16.56 | राजस्थान |
| 24 | Sikkim | 98 | 267 | 2 | 0 | 0 | 4940 | 5307 | 0.59 | सिक्किम |
| 25 | Tamil Nadu | 14152 | 660 | 1070 | 450 | 151 | 17670 | 34152 | 3.81 | तमिलनाडु |
| 26 | Telangana | | | | | 0 | 20410 | 20410 | 2.28 | तेलंगाना |
| 27 | Tripura | 0 | 47 | 3 | 0 | 2 | 2080 | 2131 | 0.24 | त्रिपुरा |
| 28 | Uttar Pradesh | 1260 | 461 | 1617 | 1250 | 176 | 22830 | 27593 | 3.08 | उत्तर प्रदेश |
| 29 | Uttarakhand | 534 | 1708 | 24 | 0 | 5 | 16800 | 19071 | 2.13 | उत्तराखंड |
| 30 | West Bengal | 22 | 396 | 396 | 0 | 148 | 6260 | 7222 | 0.81 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | 365 | 8 | 0 | 0 | 0 | 0 | 373 | 0.04 | अंडमान एवं निकोबार दीप समूह |
| 32 | Chandigarh | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 0.00 | चंडीगढ़ |
| 33 | Dadar & Nagar Haveli | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 0.00 | दमन एवं दीव |
| 35 | Lakshadweep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | लक्षद्वीप |
| 36 | Puducherry | 120 | 0 | 0 | 0 | 3 | 0 | 123 | 0.01 | पुद्दुचेरी |
| 37 | Others | 0 | 0 | 0 | 0 | 1022 | 790 | 1812 | 0.20 | अन्य |
| | **All India Total** | **102772** | **19749** | **17536** | **5000** | **2554** | **748990** | **896602** | **100.00** | **अखिल भारतीय कुल** |
| | **Distribution (% )** | **11.46** | **2.20** | **1.96** | **0.56** | **0.28** | **83.54** | **100.00** | | **वितरण (प्रतिशत)** |

Source: Annual Report 2017-18, Ministry of New and Renewable Energy

स्रोत: वार्षिक रिपोर्ट 2017-18, नवीन एवं नवीकरणीय ऊर्जा मंत्रालय

## Statement 2.23 :State-wise Installed Capacity of Grid Interactive Renewable Power
## विवरण 2.23 : ग्रिड अंति:क्रियात्मक नवीकरणीय विद्युत की राज्यवार संस्थापित क्षमता

(as on 31st March मार्च तक की स्थिति के अनुसार)

| States / UTs | Small Hydro Power (MW) लघु जल | | Wind Power (MW) पवन ऊर्जा (मेगावाट) | | Bio-Power-BM Power/Cogen (MW) बायो-पावर- | | Bio-Power-Waste to Energy (MW) जैव बिजली | | Solar Power (MWp) सौर ऊर्जा (MWp) | | Total Capacity (MW) कुल क्षमता (मेगावाट) | | राज्य / संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2016 | 2017 | 2016 | 2017 | 2016 | 2017 | 2016 | 2017 | 2016 | 2017 | 2016 | 2017 | |
| Andhra Pradesh | 232.98 | 241.98 | 1431.45 | 3618.85 | 380.75 | 378.20 | 58.16 | 58.16 | 572.96 | 1867.23 | 2676.30 | 6164.42 | आंध्र प्रदेश |
| Arunachal Pradesh | 104.61 | 104.61 | - | - | - | - | - | - | 0.27 | 0.27 | 104.87 | 104.87 | अरुणाचल प्रदेश |
| Assam | 34.11 | 34.11 | - | - | - | - | - | - | 0.00 | 11.78 | 34.11 | 45.89 | असम |
| Bihar | 70.70 | 70.70 | - | - | 43.42 | 113.00 | - | - | 5.10 | 108.52 | 119.22 | 292.22 | बिहार |
| Chhattisgarh | 52.00 | 76.00 | - | - | 279.90 | 228.00 | - | - | 93.58 | 128.86 | 425.48 | 432.86 | छत्तीसगढ़ |
| Delhi | | | | | - | - | 16.00 | 16.00 | 14.28 | 40.27 | 30.28 | 56.27 | दिल्ली |
| Goa | 0.05 | 0.05 | - | - | - | - | - | - | 0.00 | 0.71 | 0.05 | 0.76 | गोवा |
| Gujarat | 16.60 | 16.60 | 4037.50 | 5340.62 | 56.30 | 65.30 | - | - | 1119.17 | 1249.37 | 5229.57 | 6671.89 | गुजरात |
| Haryana | 73.50 | 73.50 | - | - | 45.30 | 96.40 | - | - | 15.39 | 81.40 | 134.19 | 251.30 | हरियाणा |
| Himachal Pradesh | 793.31 | 831.81 | - | - | - | - | - | - | 0.20 | 0.73 | 793.51 | 832.54 | हिमाचल प्रदेश |
| Jammu & Kashmir | 156.53 | 158.03 | - | - | - | - | - | - | 1.00 | 1.36 | 157.53 | 159.39 | जम्मू एवं कश्मीर |
| Jharkhand | 4.05 | 4.05 | - | - | - | - | - | - | 16.19 | 23.27 | 20.24 | 27.32 | झारखंड |
| Karnataka | 1217.73 | 1225.73 | 2869.15 | 3751.40 | 872.18 | 1452.00 | 1.00 | 1.00 | 145.46 | 1027.84 | 5105.52 | 7457.97 | कर्नाटक |
| Kerala | 198.92 | 213.02 | 43.50 | 51.50 | - | - | - | - | 13.05 | 74.20 | 255.47 | 338.72 | केरल |
| Madhya Pradesh | 86.16 | 86.16 | 2141.10 | 2497.79 | 35.00 | 93.00 | 3.90 | 3.90 | 776.37 | 857.04 | 3042.53 | 3537.89 | मध्य प्रदेश |
| Maharashtra | 339.88 | 346.18 | 4654.15 | 4771.33 | 1220.78 | 2065.00 | 12.72 | 12.72 | 385.76 | 452.37 | 6613.28 | 7647.60 | महाराष्ट्र |
| Manipur | 5.45 | 5.45 | - | - | - | - | - | - | 0.00 | 0.03 | 5.45 | 5.48 | मणिपुर |
| Meghalaya | 31.03 | 31.03 | - | - | - | - | - | - | 0.00 | 0.01 | 31.03 | 31.04 | मेघालय |
| Mizoram | 36.47 | 41.47 | - | - | - | - | - | - | 0.10 | 0.10 | 36.57 | 41.57 | मिजोरम |
| Nagaland | 30.67 | 30.67 | - | - | - | - | - | - | 0.00 | 0.50 | 30.67 | 31.17 | नागालैंड |
| Odisha | 64.63 | 64.63 | | | 20.00 | 50.40 | | | 66.92 | 79.42 | 151.55 | 194.45 | ओडिशा |
| Punjab | 170.90 | 170.90 | | | 155.50 | 179.00 | 10.25 | 9.25 | 405.06 | 793.95 | 741.71 | 1153.10 | पंजाब |
| Rajasthan | 23.85 | 23.85 | 3993.95 | 4281.72 | 108.30 | 119.30 | | | 1269.93 | 1812.93 | 5396.03 | 6237.80 | राजस्थान |
| Sikkim | 52.11 | 52.11 | - | - | - | - | - | - | 0.00 | 0.00 | 52.11 | 52.11 | सिक्किम |
| Tamil Nadu | 123.05 | 123.05 | 7613.86 | 7861.46 | 641.90 | 878.00 | 8.05 | 8.05 | 1061.82 | 1691.83 | 9448.68 | 10562.39 | तमिलनाडु |
| Telangana | | | 77.70 | 100.80 | | 158.10 | | | 527.84 | 1286.98 | 605.54 | 1545.88 | तेलंगाना |
| Tripura | 16.01 | 16.01 | - | - | - | - | - | - | 5.00 | 5.09 | 21.01 | 21.10 | त्रिपुरा |
| Uttar Pradesh | 25.10 | 25.10 | | | 870.00 | 1933.00 | 5.00 | 5.00 | 143.50 | 336.73 | 1043.60 | 2299.83 | उत्तर प्रदेश |
| Uttarakhand | 209.33 | 209.32 | - | - | 76.00 | 73.00 | - | - | 41.15 | 233.49 | 326.48 | 515.81 | उत्तराखंड |
| West Bengal | 98.50 | 98.50 | - | - | 26.00 | 300.00 | - | - | 7.77 | 26.14 | 132.27 | 424.64 | पश्चिम बंगाल |
| Andaman And Nicobar Island | 5.25 | 5.25 | - | - | - | - | - | - | 5.10 | 6.56 | 10.35 | 11.81 | अंडमान एवं निकोबार दीप समूह |
| Chandigarh | | | - | - | - | - | - | - | 6.81 | 17.32 | 6.81 | 17.32 | चंडीगढ़ |
| Dadar & Nagar Haveli | | | - | - | - | - | - | - | 0.00 | 2.97 | 0.00 | 2.97 | दादरा एवं नगर हवेली |
| Daman & Diu | | | - | - | - | - | - | - | 4.00 | 10.46 | 4.00 | 10.46 | दमन एवं दीव |
| Lakshawadeep | | | - | - | - | - | - | - | 0.75 | 0.71 | 0.75 | 0.71 | लक्षद्वीप |
| Puducherry | | | - | - | - | - | - | - | 0.03 | 0.08 | 0.03 | 0.08 | पुद्दुचेरी |
| Others | | | 4.30 | 4.30 | - | - | - | - | 58.31 | 58.31 | 62.61 | 62.61 | अन्य |
| **Total(MW)** | **4273.47** | **4379.86** | **26866.66** | **32279.77** | **4831.33** | **8181.70** | **115.08** | **114.08** | **6762.85** | **12288.83** | **42849.38** | **57244.23** | **कुल (एमडब्ल्यू)** |

Source: Ministry of New and Renewable Energy

स्रोत: नवीन एवं नवीकरणीय ऊर्जा मंत्रालय

.-: Not Available or indeterminate value

MW: Mega-Watt

MWp: Mega-Watt Peak

## Statement 2.24: Energy Balance of India for 2016-17 (P)

## विवरण 2.24 : 2016-17 के लिए भारत का उर्जा अधिशेष (पी)

(All figures in KToe सभी आंकड़े कि. टन में)

| | Coal कोयला | Crude Oil कच्चा तेल | Oil Products तेल उत्पाद | Natural Gas प्राकृतिक गैस | Nuclear परमाणु | Hydro हाइड्रो | Wind सौर पवन | Electricity विद्युत | Total कुल | |
|---|---|---|---|---|---|---|---|---|---|---|
| Production | 3,94,724.94 | 36,801.12 | - | 29,343.46 | 9,881.11 | 10,535.55 | 2,778.55 | - | 4,84,064.72 | उत्पादन |
| Imports | 1,23,552.77 | 2,18,618.60 | 36,327.16 | 17,136.96 | - | - | - | 483.06 | 3,96,118.54 | आयात |
| Exports | -1,195.34 | - | -68,429.32 | - | - | - | - | -577.06 | -70,201.72 | निर्यात |
| Stock changes | 7,388.67 | - | - | - | - | - | - | - | 7,388.67 | स्टॉक परिवर्तन |
| **Total primary energy supply** | **5,24,471.04** | **2,55,419.71** | **-32,102.17** | **46,480.41** | **9,881.11** | **10,535.55** | **2,778.55** | **-94.00** | **8,17,370.21** | **प्राथमिक ऊर्जा की कुल आपूर्ति** |
| Statistical differences | 52,170.70 | 15,851.18 | -6,177.78 | 2,602.28 | - | | - | -9,990.02 | 54,456.36 | सांख्यिकीय अंतर |
| **Main activity producer electricity plants** | **-3,63,982.83** | **-** | **-823.79** | **-10,688.74** | **-9,881.11** | **-10,524.47** | **-2,778.55** | **1,06,240.79** | **-2,92,438.70** | **मुख्य गतिविधि उत्पादक विद्युत संयंत्र** |
| Autoproducer electricity plants | - | - | - | - | - | -11.08 | - | 16,942.00 | 16,930.92 | आटो उत्पादक विद्युत संयंत्र |
| Oil refineries | - | -2,50,759.40 | 2,48,741.88 | -4,943.66 | - | - | - | - | -6,961.19 | ऑयल रिफाइनरी |
| Energy industry own use | -167.62 | - | - | -6,347.02 | - | - | - | - | -6,514.63 | ऊर्जा उद्योग द्वारा ऊर्जा का स्वयं प्रयोग |
| Losses | - | -20,511.49 | - | - | - | - | - | -21,399.72 | -41,911.22 | क्षतियां |
| **Final consumption** | **2,12,491.29** | **-** | **2,09,638.14** | **27,103.27** | **-** | **-** | **-** | **91,699.05** | **5,40,931.75** | **अंतिम उपभोग** |
| **Industry** | **2,12,491.29** | **-** | **62,368.47** | **633.01** | **-** | **-** | **-** | **36,693.19** | **3,12,185.96** | **उद्योग** |
| Iron and steel | 40,310.83 | - | 1,398.24 | - | - | - | - | - | 41,709.07 | लोहा एवं इस्पात |
| Chemical and petrochemical | 2,286.49 | - | 12,304.18 | - | - | - | - | - | 14,590.67 | रसायन और पेट्रोरसायन |
| Non-ferrous metals | - | - | 28.96 | - | - | - | - | - | 28.96 | अलौह धातुएं |
| Machinery | - | - | 208.47 | - | - | - | - | - | 208.47 | मशीनरी |
| Mining and quarrying | - | - | 1,493.14 | - | - | - | - | - | 1,493.14 | खनन एवं आखनन |
| Paper, pulp and print | 917.41 | - | - | - | - | - | - | - | 917.41 | कागज, लुग्दी और प्रिंट |
| Construction | 4,552.37 | - | 747.02 | - | - | - | - | - | 5,299.39 | निर्माण |
| Textile and leather | 497.24 | - | 111.58 | - | - | - | - | - | 608.82 | वस्त्र एवं चर्म |
| Non-specified (industry) | 1,63,926.96 | - | 46,076.87 | 633.01 | - | - | - | 36,693.19 | 2,47,330.04 | गैर विनिर्दिष्ट (उद्योग) |
| **Transport** | **-** | **-** | **37,396.77** | **6,760.95** | **-** | **-** | **-** | **1,480.66** | **45,638.39** | **परिवहन** |
| Road | - | - | 26,194.13 | - | - | - | - | - | 26,194.13 | सड़क |
| Domestic aviation | | | 7,351.25 | | | | | | 7,351.25 | घरेलू उड्डयन |
| Rail | - | - | 2,742.80 | - | - | - | - | 1,480.66 | 4,223.46 | रेल |
| Pipeline transport | - | - | - | 6,760.95 | - | - | - | - | 6,760.95 | पाइपलाइन परिवहन |
| Domestic navigation | - | - | 704.15 | - | - | - | - | - | 704.15 | घरेलू नेविगेशन |
| Non-specified (transport) | - | - | 404.45 | - | - | - | - | - | 404.45 | गैर विनिर्दिष्ट (परिवहन) |
| **Other** | **-** | **-** | **1,01,068.12** | **168.64** | **-** | **-** | **-** | **53,525.20** | **1,54,761.96** | **अन्य** |
| Residential | - | - | 26,763.48 | - | - | - | - | 22,300.75 | 49,064.23 | आवासीय |
| Commercial and public services | - | - | - | - | - | - | - | 8,456.64 | 8,456.64 | वाणिज्यिक एवं सार्वजनिक सेवाएं |
| Agriculture/forestry | - | - | 687.84 | 168.64 | - | - | - | 16,810.68 | 17,667.15 | कृषि/वानिकी |
| Non-specified (other) | - | - | 73,616.81 | - | - | - | - | 5,957.13 | 79,573.94 | गैर विनिर्दिष्ट (अन्य) |
| Non-energy use | - | - | 8,804.77 | 19,540.67 | - | - | - | - | 28,345.44 | ऊर्जा से भिन्न प्रयोग |
| Non-energy use industry/transformation/energy | - | - | 8,804.77 | 19,540.67 | - | - | - | - | 28,345.44 | ऊर्जा से भिन्न प्रयोग उद्योग/परिवर्तन/ |
| **Elect. output in GWh** | **-** | **-** | **-** | **-** | **37,915.87** | **1,22,506.36** | **32,308.77** | **-** | **1,92,731.00** | **विद्युत आउटपुट GWh में** |
| Elec output-main activity producer ele plants | - | - | - | - | 37,915.87 | 1,22,377.56 | 32,308.77 | - | 1,92,602.20 | विद्युत आउटपुट-मुख्य गतिविधि उत्पादक विद्युत संयंत्र |
| Elec output-autoproducer electricity plants | - | - | - | - | - | 128.80 | - | - | 128.80 | विद्युत आउटपुट-आटो उत्पादक विद्युत संयंत्र |

Source : Energy Statistics 2018, Ministry of Statistics and Programme Implementation

स्रोत: ऊर्जा सांख्यिकी 2018, सांख्यिकी एवं कार्यक्रम कार्यान्वयन मंत्रालय

Note : Final consumption refers to End Use Consumption

KToe: Kilo Tonne of oil equivalent

## Statement 2.25 : Number of towns and villages electrified in India

## विवरण 2.25 : भारत में विद्युतीकृत नगरों एवं गांवों की संख्या

(As on 31.03.2017 तक की स्थिति के अनुसार)

| Sl.No. क्र. सं. | | State/Union Territory | Towns /नगर | | Villages/ गाव | | Percentage Electrified % विद्युतीकरण का प्रतिशत | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|
| | | | Total (as per 2011 Census) कुल (2011 की जनगणना के अनुसार) | Electrified विद्युतीकृत | Total (as per 2011 Census) कुल (2011 की जनगणना के अनुसार) | Electrified as on 31.03.2017 तक की स्थिति के अनुसार विद्युतीकृत | | |
| **I.** | | **Northern Region** | **1999** | **1999** | **199959** | **199661** | **99.85** | **उत्तरी क्षेत्र** |
| | 1 | Chandigarh | 6 | 6 | 5 | 5 | 100.00 | चंडीगढ़ |
| | 2 | Delhi | 113 | 113 | 103 | 103 | 100.00 | दिल्ली |
| | 3 | Haryana | 154 | 154 | 6642 | 6642 | 100.00 | हरियाणा |
| | 4 | Himachal Pradesh | 59 | 59 | 17882 | 17875 | 100.00 | हिमाचल प्रदेश |
| | 5 | Jammu & Kashmir | 122 | 122 | 6337 | 6235 | 98.39 | जम्मू एवं कश्मीर |
| | 6 | Punjab | 217 | 217 | 12168 | 12168 | 100.00 | पंजाब |
| | 7 | Rajasthan | 297 | 297 | 43264 | 43195 | 100.00 | राजस्थान |
| | 8 | Uttar Pradesh | 915 | 915 | 97813 | 97751 | 99.99 | उत्तर प्रदेश |
| | 9 | Uttarakhand | 116 | 116 | 15745 | 15687 | 99.63 | उत्तराखंड |
| **II.** | | **Western Region** | **1625** | **1625** | **130699** | **130219** | **99.63** | **पश्चिम क्षेत्र** |
| | 1 | Chhattisgharh | 182 | 182 | 19567 | 19186 | 98.05 | छत्तीसगढ़ |
| | 2 | Dadra & Nagar Haveli | 6 | 6 | 65 | 65 | 100.00 | दादरा एवं नगर ह |
| | 3 | Daman & Diu | 8 | 8 | 19 | 19 | 100.00 | दमन एवं दीव |
| | 4 | Goa | 70 | 70 | 320 | 320 | 100.00 | गोवा |
| | 5 | Gujarat | 348 | 348 | 17843 | 17843 | 100.00 | गुजरात |
| | 6 | Madhya Pradesh | 476 | 476 | 51929 | 51830 | 99.81 | मध्य प्रदेश |
| | 7 | Maharashtra | 535 | 535 | 40956 | 40956 | 100.00 | महाराष्ट्र |
| **III.** | | **Southern Region** | **2333** | **2333** | **69845** | **69820** | **99.96** | **दक्षिण क्षेत्र** |
| | 1 | Andhra Pradesh | 195 | 195 | 16158 | 16158 | 100.00 | आंध्र प्रदेश |
| | 2 | Karnataka | 347 | 347 | 27397 | 27372 | 99.91 | कर्नाटक |
| | 3 | Kerala | 520 | 520 | 1017 | 1017 | 100.00 | केरल |
| | 4 | Lakshadweep | 6 | 6 | 6 | 6 | 100.00 | लक्षद्वीप |
| | 5 | Puducherry | 10 | 10 | 90 | 90 | 100.00 | पुद्दुचेरी |
| | 6 | Tamil Nadu | 1097 | 1097 | 15049 | 15049 | 100.00 | तमिलनाडु |
| | 7 | Telangana | 158 | 158 | 10128 | 10128 | 100.00 | तेलंगाना |
| **IV.** | | **Eastern Region** | **1573** | **1573** | **154526** | **152295** | **98.56** | **पूर्वी क्षेत्र** |
| | 1 | Andaman And Nicobar Island | 5 | 5 | 396 | 396 | 100.00 | अंडमान एवं निकोबार दीप समूह |
| | 2 | Bihar | 199 | 199 | 39073 | 38636 | 98.88 | बिहार |
| | 3 | Jharkhand | 228 | 228 | 29492 | 28821 | 97.72 | झारखंड |
| | 4 | Odisha | 223 | 223 | 47677 | 46559 | 97.66 | ओडिशा |
| | 5 | Sikkim | 9 | 9 | 425 | 425 | 100.00 | सिक्किम |
| | 6 | West Bengal | 909 | 909 | 37463 | 37458 | 99.99 | पश्चिम बंगाल |
| **V.** | | **North-Eastern Region** | **405** | **405** | **42435** | **40140** | **94.59** | **पूर्वोत्तर क्षेत्र** |
| | 1 | Arunachal Pradesh | 27 | 27 | 5258 | 4029 | 76.63 | अरुणाचल प्रदेश |
| | 2 | Assam | 214 | 214 | 25372 | 24640 | 97.11 | असम |
| | 3 | Manipur | 51 | 51 | 2379 | 2299 | 96.64 | मणिपुर |
| | 4 | Meghalaya | 22 | 22 | 6459 | 6229 | 96.44 | मेघालय |
| | 5 | Mizoram | 23 | 23 | 704 | 686 | 97.44 | मिजोरम |
| | 6 | Nagaland | 26 | 26 | 1400 | 1394 | 99.57 | नागालैंड |
| | 7 | Tripura | 42 | 42 | 863 | 863 | 100.00 | त्रिपुरा |
| **Total (All India)** | | | **7935** | **7935** | **597464** | **592135** | **99.11** | **कुल (अखिल भारत)** |

Source : General Review 2017, Central Electricity Authority

स्रोत: सामान्य समीक्षा 2017, केंद्रीय विद्युत प्राधिकरण

## Statement 2.26 : Decentralised/off-grid renewable energy systems devices
## विवरण 2.26 : विकेंद्रीकृत/ऑफ ग्रिड नवीकरणीय ऊर्जा प्रणाली की डिवाइसें

(as on 31.03.2017 तक की स्थिति के अनुसार)

(Nos. in lakh /संख्या लाख में)

| State | Biogas Plants बायोगैस संयंत्र | Water Pumping/Wind Mills# वाटर पंपिंग/विंड मिल | SPV Pumps एसपीवी पंप | Solar Photovoltaic (SPV)Systems सोलर फोटोवोल्टिक (एसपीवी) प्रणालियां | | | | Aerogen. Hybrid System एयरोजेन हाइब्रिड सिस्टम | Solar Cooker# सोलर कूकर# | Biomass Gasifiers (Rural+Industrial) बायोगैस गैसिफायर (ग्रामीण+औद्योगिक) | Biomass (non bagasse) बायोमास (खोई से भिन्न) | Waste to Energy अपशिष्ट से ऊर्जा | Village Electrification ग्राम विद्युतीकरण | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SLS एसएलएस | HLS एचएलएस | SL एसएल | PP पीपी | | | | | | Villages गांव | Percentage of village electrifiedविद्युतीकृत गावों का प्रतिशत | |
| | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (KWP) | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (Nos.) | (KWP) | |
| Andhra Pradesh | 5.49 | 6.0 | 10,619 | 0.1 | 0.2 | 0.5 | 3785.6 | 270.90 | 23.15 | 23 | 99.0 | 15.77 | 16,158 | 100.0 | आंध्र प्रदेश |
| Arunachal Pradesh | 0.03 | 0.0 | 22 | 0.0 | 0.2 | 0.1 | 600.1 | 6.80 | 0.03 | - | - | - | 4,029 | 76.6 | अरुणाचल प्रदेश |
| Assam | 1.28 | 3.0 | 45 | 0.0 | 0.1 | 0.0 | 1605.0 | 6.00 | - | 3 | - | - | 24,744 | 97.5 | असम |
| Bihar | 1.30 | 46.0 | 2,882 | 0.0 | 0.1 | 0.5 | 3968.6 | - | - | 6 | 8.2 | 1.00 | 38,636 | 98.9 | बिहार |
| Chhattisgarh | 0.54 | 1.0 | 11,125 | 0.0 | 0.1 | 0.0 | 28444.0 | - | 4.00 | 1 | 2.5 | 0.33 | 19,186 | 98.1 | छत्तीसगढ़ |
| Delhi | 0.01 | - | 90 | 0.0 | - | 0.0 | 1269.0 | - | 2.53 | - | - | - | 103 | 100.0 | दिल्ली |
| Goa | 0.04 | 0.0 | 15 | 0.0 | 0.0 | 0.0 | 32.7 | 193.80 | 1.69 | - | - | - | 320 | 100.0 | गोवा |
| Gujarat | 4.33 | 945.0 | 8,051 | 0.0 | 0.1 | 0.3 | 13576.6 | 20.00 | 824.09 | 20 | - | 16.88 | 17,843 | 100.0 | गुजरात |
| Haryana | 0.62 | 0.0 | 543 | 0.2 | 0.6 | 0.9 | 2321.3 | 10.00 | 7.80 | 4 | 77.1 | 4.00 | 6,642 | 100.0 | हरियाणा |
| Himachal Pradesh | 0.48 | 0.0 | 6 | 0.6 | 0.2 | 0.3 | 1853.5 | - | - | - | 7.2 | 2.00 | 17,882 | 100.0 | हिमाचल प्रदेश |
| Jammu & Kashmir | 0.03 | 0.0 | 39 | 0.1 | 0.7 | 0.5 | 7719.9 | 95.60 | - | 0 | - | - | 6,235 | 98.4 | जम्मू एवं कश्मीर |
| Jharkhand | 0.07 | 0.0 | 3,146 | 0.0 | 0.1 | 0.2 | 3639.9 | - | 16.00 | 1 | 4.3 | - | 28,875 | 97.9 | झारखंड |
| Karnataka | 4.90 | 28.0 | 3,477 | 0.0 | 0.5 | 0.1 | 7754.0 | 39.20 | 14.00 | 6 | 15.2 | 12.04 | 27,372 | 99.9 | कर्नाटक |
| Kerala | 1.49 | 79.0 | 810 | 0.0 | 0.4 | 0.5 | 13894.4 | 8.00 | 0.03 | - | 0.7 | 0.23 | 1,017 | 100.0 | केरल |
| Madhya Pradesh | 3.64 | 0.0 | 3,813 | 0.1 | 0.0 | 0.1 | 3654.0 | 24.00 | 11.75 | 10 | 12.4 | 0.48 | 51,877 | 99.9 | मध्य प्रदेश |
| Maharashtra | 8.99 | 26.0 | 2,028 | 0.1 | 0.0 | 0.7 | 3857.7 | 1644.50 | 34.50 | 7 | 16.4 | 27.76 | 40,956 | 100.0 | महाराष्ट्र |
| Manipur | 0.02 | - | 40 | 0.0 | 0.0 | 0.0 | 1241.0 | 140.00 | - | - | - | - | 2,299 | 96.6 | मणिपुर |
| Meghalaya | 0.10 | - | 19 | 0.0 | 0.1 | 0.2 | 884.5 | 191.50 | - | 0 | 13.8 | - | 6,229 | 96.4 | मेघालय |
| Mizoram | 0.05 | - | 37 | 0.1 | 0.1 | 0.1 | 1719.0 | 21 | - | - | - | - | 686 | 97.4 | मिजोरम |
| Nagaland | 0.08 | - | 3 | 0.1 | 0.0 | 0.1 | 1506.0 | 20.00 | - | - | - | - | 1,396 | 99.7 | नागालैंड |
| Odisha | 2.70 | - | 7,079 | 0.1 | 0.1 | 0.1 | 567.5 | 13.10 | 13.00 | 0 | 8.2 | 0.02 | 47,061 | 98.7 | ओडिशा |
| Punjab | 1.77 | - | 1,857 | 0.4 | 0.1 | 0.2 | 2066.0 | 50.00 | 9.33 | - | 123.1 | 10.37 | 12,168 | 100.0 | पंजाब |
| Rajasthan | 0.71 | 222.0 | 40,190 | 0.1 | 1.6 | 0.0 | 10850.0 | 14.00 | 222.90 | 3 | 2.0 | 3.91 | 43,263 | 100.0 | राजस्थान |
| Sikkim | 0.09 | - | - | 0.0 | 0.2 | 0.2 | 850.0 | 15.50 | - | - | - | - | 425 | 100.0 | सिक्किम |
| Tamil Nadu | 2.23 | 60.0 | 4,763 | 0.4 | 2.3 | 0.2 | 12752.6 | 256.70 | 17.06 | 15 | 24.1 | 13.10 | 15,049 | 100.0 | तमिलनाडु |
| Telangana | - | | 424 | 0.0 | - | - | 5374.0 | - | | - | - | - | 10,128 | 100.0 | तेलंगाना |
| Tripura | 0.04 | - | 151 | 0.0 | 0.3 | 0.6 | 657.0 | 2.00 | - | - | - | - | 863 | 100.0 | त्रिपुरा |
| Uttar Pradesh | 4.41 | - | 10,860 | 1.9 | 2.4 | 0.6 | 10041.5 | - | 12.38 | 30 | 170.4 | 55.02 | 97,804 | 100.0 | उत्तर प्रदेश |
| Uttarakhand | 0.21 | - | 26 | 0.2 | 0.9 | 0.9 | 1539.0 | 24.00 | 5.05 | 2 | 47.5 | 6.02 | 15,687 | 99.6 | उत्तराखंड |
| West Bengal | 3.67 | - | 653 | 0.1 | 1.5 | 0.2 | 1730.0 | 74.00 | 2.00 | 30 | 19.9 | 2.17 | 37,458 | 100.0 | पश्चिम बंगाल |
| Andaman And Nicobar Island | 0.00 | 2.0 | 5 | 0.0 | 0.0 | 0.1 | 167.0 | - | - | - | - | - | 396 | 100.0 | अंडमान एवं निकोबार दीप समूह |
| Chandigarh | 0.00 | - | 12 | 0.0 | 0.0 | 0.0 | 730.0 | - | - | - | - | - | 5 | 100.0 | चंडीगढ़ |
| Dadar & Nagar Haveli | 0.00 | - | - | - | - | - | 0.0 | - | - | - | - | - | 65 | 100.0 | दादरा एवं नगर हवेली |
| Daman & Diu | - | - | - | - | - | - | 0.0 | - | - | - | - | - | 19 | 100.0 | दमन एवं दीव |
| Lakshadweep | - | - | - | 0.0 | - | 0.1 | 2190.0 | - | - | - | - | - | 6 | 100.0 | लक्षद्वीप |
| Puducherry | 0.01 | - | 21 | 0.0 | 0.0 | 0.0 | 121.0 | 5.00 | - | - | - | - | 90 | 100.0 | पुद्दुचेरी |
| Others* | 0.02 | - | 2,027 | 0.1 | 1.3 | 1.3 | 23885.0 | - | - | - | - | - | - | - | अन्य* |
| **Total** | **49.56** | **1,418.08** | **1,14,878** | **4.64** | **14.07** | **9.96** | **1,76,847.36** | **3145.80** | **1221.26** | **161** | **651.9** | **171.10** | **592972** | **99.2** | **कुल** |

Source : Energy Statistics 2017, Ministry of Statistics & Programme Implementation & Central Electricity Authority

स्रोत : ऊर्जा सांख्यिकी 2017, सांख्यिकी एवं कार्यक्रम कार्यान्वयन मंत्रालय

SLS = Street Lighting System; HLS = Home Lighting System; SL = Solar Lantern; PP = Power Plants; SPV = Solar Photovoltaic; KWP = Kilowatt peak

*Others includes installations through NGOs/IREDA in different states.

# Data reported for the year 2012.

**Statement 2.27 : Per 1000 distribution of households by primary source of energy for cooking**

**विवरण 2.27 : खाना पकाने के लिए ऊर्जा के प्राथमिक स्रोत के अनुसार परिवारों का प्रति 1000 वितरण**

**(Rural/ ग्रामीण)** (For Year 2011-12 वर्ष के लिए)

| States/UT | Primary source of energy for cooking/ खाना पकाने के लिए ऊर्जा का प्राथमिक स्रोत | | | | | | | | | | | Estd. No of house holds (00) परिवारों की स्थापित संख्या | No.of sampleho use holds surveyed नमूना परिवारों की संख्या जिनका सर्वेक्षण किया | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coke, Coal कोक, कोयला | Fire wood and chips जलावन और चिप्पड़ | L.P.G. एलपीजी | Gobar gas गोबर गैस | Dung-cake उपला | Charcoal चारकोल | Keros ene केरोसि न | Electri city विद्युत | Others अन्य | No cooking arrangem ent खाने पकाने की कोई व्यवस्था नहीं | all* सभी* | | | |
| Andhra Pradesh | 2 | 675 | 289 | | 2 | 1 | 2 | | 2 | 27 | 1000 | 151556 | 3925 | आंध्र प्रदेश |
| Arunachal Pradesh | 3 | 654 | 314 | | 1 | | 9 | 1 | | 18 | 1000 | 1807 | 1066 | अरुणाचल प्रदेश |
| Assam | 1 | 810 | 172 | 4 | | | 3 | | 1 | 9 | 1000 | 50592 | 2607 | असम |
| Bihar | 6 | 564 | 59 | | 208 | | 5 | | 157 | 1 | 1000 | 162107 | 3310 | बिहार |
| Chhattisgarh | 9 | 932 | 15 | 1 | 31 | | 2 | 1 | 3 | 6 | 1000 | 39514 | 1440 | छत्तीसगढ़ |
| Delhi | | 23 | 922 | | | | | | | 55 | 1000 | 2387 | 63 | दिल्ली |
| Goa | | 169 | 662 | 6 | | | 164 | | | | 1000 | 1610 | 159 | गोवा |
| Gujarat | | 797 | 139 | 6 | 9 | | 35 | 1 | | 12 | 1000 | 69060 | 1712 | गुजरात |
| Haryana | | 417 | 267 | | 244 | | 12 | 2 | 56 | 3 | 1000 | 35153 | 1423 | हरियाणा |
| Himachal Pradesh | 1 | 727 | 252 | | 1 | | 10 | 2 | | 8 | 1000 | 13237 | 1657 | हिमाचल प्रदेश |
| Jammu & Kashmir | | 678 | 265 | | 21 | | 22 | 8 | 3 | 4 | 1000 | 14417 | 2032 | जम्मू एवं कश्मीर |
| Jharkhand | 143 | 777 | 29 | | 29 | | 3 | | 2 | 16 | 1000 | 44869 | 1757 | झारखंड |
| Karnataka | | 805 | 147 | 7 | | | 20 | | | 21 | 1000 | 81325 | 2048 | कर्नाटक |
| Kerala | 1 | 663 | 308 | 5 | | | 1 | 2 | | 20 | 1000 | 56925 | 2608 | केरल |
| Madhya Pradesh | 2 | 808 | 62 | 7 | 106 | | 5 | | | 8 | 1000 | 105234 | 2735 | मध्य प्रदेश |
| Maharashtra | | 621 | 231 | 5 | 2 | | 10 | | 92 | 38 | 1000 | 134674 | 4031 | महाराष्ट्र |
| Manipur | | 635 | 346 | | 1 | 4 | 2 | | | 12 | 1000 | 3329 | 1376 | मणिपुर |
| Meghalaya | | 910 | 55 | | | | 10 | 11 | | 15 | 1000 | 4138 | 856 | मेघालय |
| Mizoram | | 602 | 391 | | | | 7 | | | | 1000 | 1090 | 640 | मिजोरम |
| Nagaland | | 466 | 534 | | | | | | | | 1000 | 1448 | 672 | नागालैंड |
| Odisha | 9 | 870 | 39 | 2 | 18 | 1 | 2 | 2 | 51 | 6 | 1000 | 76142 | 2974 | ओडिशा |
| Punjab | | 305 | 305 | 7 | 303 | | 27 | 2 | 33 | 19 | 1000 | 34161 | 1552 | पंजाब |
| Rajasthan | | 893 | 89 | | 6 | | 7 | | 4 | 1 | 1000 | 94456 | 2579 | राजस्थान |
| Sikkim | 1 | 404 | 560 | 4 | | | 6 | | | 26 | 1000 | 1038 | 608 | सिक्किम |
| Tamil Nadu | | 583 | 372 | | | | 25 | 2 | | 18 | 1000 | 101853 | 3319 | तमिलनाडु |
| Tripura | | 925 | 63 | 2 | | | 5 | | | 5 | 1000 | 7204 | 1312 | त्रिपुरा |
| Uttar Pradesh | 2 | 561 | 67 | | 334 | | 1 | | 28 | 6 | 1000 | 263726 | 5915 | उत्तर प्रदेश |
| Uttarakhand | | 698 | 288 | | 1 | | 9 | | | 3 | 1000 | 15685 | 1048 | उत्तराखंड |
| West Bengal | 65 | 629 | 66 | | 53 | | 5 | | 175 | 6 | 1000 | 149793 | 3566 | पश्चिम बंगाल |
| Andaman And Nicobar Island | | 411 | 382 | | | | 189 | 1 | | 17 | 1000 | 533 | 278 | अंडमान एवं निकोबार दीप समह |
| Chandigarh | | 3 | 752 | | 15 | | 229 | | | | 1000 | 193 | 64 | चंडीगढ़ |
| Dadra And Nagar Haveli | | 683 | 37 | | | | 114 | | | 166 | 1000 | 404 | 96 | दादरा एवं नगर हवेली |
| Daman & Diu | | 130 | 238 | | | | 542 | | | 90 | 1000 | 415 | 64 | दमन एवं दीव |
| Lakshadweep | | 793 | 37 | | | | 26 | 80 | | 65 | 1000 | 56 | 63 | लक्षद्वीप |
| Puducherry | | 306 | 592 | | 3 | | 40 | | | 59 | 1000 | 1175 | 128 | पुद्दुचेरी |
| **All India** | **11** | **673** | **150** | **2** | **96** | | **9** | **1** | **46** | **13** | **1000** | **1721307** | **59683** | **अखिल भारत** |

Source : NSS Report No. 567: Energy Sources of Indian Households for Cooking and Lighting in India, 2011-12 (NSS 68th Round ) (P-A-37 to A-57),Ministry of Statistics and Programme Implementation.

स्रोत : एनएसएस रिपोर्ट संख्या 567: भारत में खाना पकाने एवं प्रकाश के लिए भारतीय परिवारों के ऊर्जा स्रोत, 2011-12 (एनएसएस 68वां चक्र) (पी-ए-37 से ए-57),सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय

* : all including n.r. cases

**Statement 2.28 : Per 1000 distribution of households by primary source of energy for cooking**

**विवरण 2.28 : खाना पकाने के लिए ऊर्जा के प्राथमिक स्रोत के अनुसार परिवारों का प्रति 1000 वितरण**

**(Urban/शहरी)** (For Year 2011-12 वर्ष के लिए)

| States/UT | Primary source of energy for cooking/ खाना पकाने के लिए ऊर्जा का प्राथमिक स्रोत | | | | | | | | | | | Estd. No of house holds (00) परिवारों की स्थापित संख्या | No.of samplehouse holds surveyed नमूना परिवारों की संख्या जिनका सर्वेक्षण किया | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coke, Coal कोक, कोयला | Fire wood and chips जलावन और चिप्पड़ | L.P.G. एलपीजी | Gobar gas गोबर गैस | Dung-cake उपला | Charcoal चारकोल | Kerosene केरोसिन | Electricity विद्युत | Others अन्य | No cooking arrangement खाने पकाने की कोई व्यवस्था नहीं | all* सभी* | | | |
| Andhra Pradesh | 1 | 101 | 773 | | | 1 | 27 | 6 | | 91 | 1000 | 75569 | 2971 | आंध्र प्रदेश |
| Arunachal Pradesh | | 122 | 841 | | | | 12 | 25 | | | 1000 | 486 | 608 | अरुणाचल प्रदेश |
| Assam | 1 | 168 | 710 | | 1 | | 57 | | 23 | 40 | 1000 | 7287 | 832 | असम |
| Bihar | 40 | 249 | 605 | | 55 | 6 | 5 | 2 | 25 | 13 | 1000 | 17948 | 1270 | बिहार |
| Chhattisgarh | 113 | 347 | 398 | 1 | 33 | 1 | 27 | 10 | 9 | 59 | 1000 | 11874 | 734 | छत्तीसगढ़ |
| Delhi | 2 | 6 | 856 | | | | 17 | 3 | 46 | 71 | 1000 | 29486 | 882 | दिल्ली |
| Goa | | 33 | 903 | | | | 26 | | | 38 | 1000 | 1710 | 288 | गोवा |
| Gujarat | 9 | 159 | 620 | | 3 | | 105 | | 57 | 47 | 1000 | 57668 | 1717 | गुजरात |
| Haryana | | 60 | 865 | | 31 | 1 | 14 | 1 | 3 | 25 | 1000 | 17793 | 1166 | हरियाणा |
| Himachal Pradesh | | 56 | 718 | | 5 | 2 | 74 | 13 | | 132 | 1000 | 2269 | 383 | हिमाचल प्रदेश |
| Jammu & Kashmir | 1 | 98 | 783 | | 3 | 4 | 39 | 37 | | 28 | 1000 | 4708 | 1355 | जम्मू एवं कश्मीर |
| Jharkhand | 311 | 56 | 539 | | 5 | | 12 | 9 | | 68 | 1000 | 13323 | 980 | झारखंड |
| Karnataka | | 148 | 640 | 1 | | | 68 | 3 | | 139 | 1000 | 52095 | 2048 | कर्नाटक |
| Kerala | | 363 | 554 | | | | 6 | 4 | 1 | 72 | 1000 | 21916 | 1854 | केरल |
| Madhya Pradesh | 8 | 257 | 652 | | 18 | | 36 | 2 | | 27 | 1000 | 36909 | 1981 | मध्य प्रदेश |
| Maharashtra | 2 | 57 | 745 | | | | 101 | 2 | 13 | 80 | 1000 | 117361 | 4013 | महाराष्ट्र |
| Manipur | 1 | 285 | 647 | | 1 | 54 | 8 | 2 | | 2 | 1000 | 1289 | 1184 | मणिपुर |
| Meghalaya | | 141 | 640 | | 3 | 31 | 57 | 80 | | 48 | 1000 | 1114 | 404 | मेघालय |
| Mizoram | | 58 | 936 | | | 1 | 5 | | | | 1000 | 923 | 896 | मिजोरम |
| Nagaland | | 135 | 863 | | | | 3 | | | | 1000 | 866 | 352 | नागालैंड |
| Odisha | 38 | 365 | 435 | | 2 | 3 | 48 | 14 | 10 | 85 | 1000 | 15242 | 1052 | ओडिशा |
| Punjab | 1 | 67 | 754 | 1 | 32 | | 100 | 4 | 2 | 38 | 1000 | 22670 | 1566 | पंजाब |
| Rajasthan | 5 | 187 | 716 | | 2 | | 20 | | | 70 | 1000 | 31248 | 1552 | राजस्थान |
| Sikkim | | 3 | 826 | | | | 22 | | | 149 | 1000 | 315 | 160 | सिक्किम |
| Tamil Nadu | | 112 | 709 | | | | 85 | 2 | | 92 | 1000 | 87098 | 3327 | तमिलनाडु |
| Tripura | | 281 | 668 | | | | 38 | | | 13 | 1000 | 1548 | 544 | त्रिपुरा |
| Uttar Pradesh | 6 | 210 | 668 | | 75 | 1 | 10 | 4 | 3 | 23 | 1000 | 80002 | 3099 | उत्तर प्रदेश |
| Uttarakhand | | 161 | 788 | | 5 | | 16 | | | 31 | 1000 | 5648 | 734 | उत्तराखंड |
| West Bengal | 135 | 107 | 565 | | 6 | | 87 | 2 | 13 | 84 | 1000 | 60705 | 2746 | पश्चिम बंगाल |
| Andaman And Nicobar Island | | 22 | 713 | | | | 215 | | 5 | 46 | 1000 | 355 | 288 | अंडमान एवं निकोबार दीप समह |
| Chandigarh | | 48 | 756 | | | | 136 | | | 61 | 1000 | 2152 | 248 | चंडीगढ़ |
| Dadra And Nagar Haveli | | 54 | 731 | | | | 211 | | | 3 | 1000 | 359 | 94 | दादरा एवं नगर हवेली |
| Daman & Diu | | 67 | 757 | | | | 65 | | | 110 | 1000 | 154 | 64 | दमन एवं दीव |
| Lakshadweep | | 263 | 453 | | | | 163 | 55 | | 67 | 1000 | 51 | 128 | लक्षद्वीप |
| Puducherry | | 81 | 762 | | | | 30 | | | 126 | 1000 | 2182 | 448 | पुद्दुचेरी |
| **All India** | **21** | **140** | **684** | | **13** | **1** | **57** | **3** | **11** | **69** | **1000** | **782319** | **41968** | **अखिल भारत** |

Source : NSS Report No. 567: Energy Sources of Indian Households for Cooking and Lighting in India, 2011-12 (NSS 68th Round ) (P-A-37 to A-57),Ministry of Statistics and Programme Implementation.

स्रोत : एनएसएस रिपोर्ट संख्या 567: भारत में खाना पकाने एवं प्रकाश के लिए भारतीय परिवारों के ऊर्जा स्रोत, 2011-12 (एनएसएस 68वां चक्र) (पी-ए-37 से ए-57),सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय

* : all including n.r. cases

Blank cells indicate nil

## Statement 2.29(a) : Distribution of households by source of lighting

## विवरण 2.29 (क) : प्रकाश के स्रोत के अनुसार परिवारों का वितरण

**(Rural/ग्रामीण)**

| Sl. No. क्र. सं. | State/UT | Total No. of Households परिवारों की कुल संख्या | | Primary source of energy for lighting (%) प्रकाश के लिए ऊर्जा का प्राथमिक स्रोत (प्रतिशत) | | | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electricity विद्युत | | Kerosene केरोसिन | | Any other sources कोई अन्य स्रोत | | No lighting कोई प्रकाश नहीं | | |
| | | 2011 | 2001 | 2011 | 2001 | 2011 | 2001 | 2011 | 2001 | 2011 | 2001 | |
| 1 | Andhra Pradesh | 14246309 | 12676218 | 89.7 | 59.7 | 9.2 | 39.7 | 0.6 | 0.4 | 0.5 | 0.3 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 195723 | 164501 | 55.5 | 44.5 | 23.6 | 37.9 | 7.0 | 7.1 | 14.0 | 10.5 | अरुणाचल प्रदेश |
| 3 | Assam | 5374553 | 4220173 | 28.4 | 16.5 | 70.4 | 83.1 | 1.1 | 0.3 | 0.2 | 0.1 | असम |
| 4 | Bihar | 16926958 | 12660007 | 10.4 | 5.1 | 88.4 | 94.5 | 1.2 | 0.4 | 0.1 | 0.0 | बिहार |
| 5 | Chhattisgarh | 4384112 | 3359078 | 70.0 | 46.1 | 28.2 | 52.9 | 1.5 | 0.6 | 0.3 | 0.4 | छत्तीसगढ़ |
| 6 | Delhi | 79115 | 169528 | 97.8 | 85.5 | 1.4 | 13.0 | 0.6 | 0.9 | 0.2 | 0.6 | दिल्ली |
| 7 | Goa | 124674 | 140755 | 95.6 | 92.4 | 3.4 | 6.9 | 0.3 | 0.3 | 0.6 | 0.4 | गोवा |
| 8 | Gujarat | 6765403 | 5885961 | 85.0 | 72.1 | 12.8 | 26.2 | 0.8 | 0.7 | 1.4 | 0.1 | गुजरात |
| 9 | Haryana | 2966053 | 2454463 | 87.2 | 78.5 | 11.3 | 20.6 | 1.0 | 0.5 | 0.5 | 0.4 | हरियाणा |
| 10 | Himachal Pradesh | 1310538 | 1097520 | 96.6 | 94.5 | 3.0 | 4.9 | 0.3 | 0.4 | 0.1 | 0.2 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 1497920 | 1161357 | 80.7 | 74.8 | 12.6 | 19.2 | 4.1 | 5.4 | 2.6 | 0.6 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 4685965 | 3802412 | 32.3 | 10.0 | 66.4 | 89.6 | 1.2 | 0.3 | 0.0 | 0.0 | झारखंड |
| 13 | Karnataka | 7864196 | 6675173 | 86.7 | 72.2 | 12.3 | 27.2 | 0.5 | 0.3 | 0.5 | 0.3 | कर्नाटक |
| 14 | Kerala | 4095674 | 4942550 | 92.1 | 65.5 | 7.4 | 33.8 | 0.4 | 0.7 | 0.0 | 0.0 | केरल |
| 15 | Madhya Pradesh | 11122365 | 8124795 | 58.3 | 62.3 | 40.9 | 37.2 | 0.6 | 0.3 | 0.2 | 0.2 | मध्य प्रदेश |
| 16 | Maharashtra | 13016652 | 10993623 | 73.8 | 65.2 | 23.9 | 33.6 | 1.0 | 0.7 | 1.3 | 0.6 | महाराष्ट्र |
| 17 | Manipur | 383313 | 296354 | 63.5 | 52.5 | 30.2 | 45.1 | 5.6 | 1.2 | 0.7 | 1.1 | मणिपुर |
| 18 | Meghalaya | 422197 | 329678 | 51.6 | 30.3 | 45.9 | 68.2 | 1.6 | 0.8 | 0.9 | 0.8 | मेघालय |
| 19 | Mizoram | 104874 | 79362 | 68.8 | 44.1 | 26.9 | 52.8 | 3.9 | 2.3 | 0.5 | 0.7 | मिजोरम |
| 20 | Nagaland | 284911 | 265334 | 75.2 | 56.9 | 21.1 | 37.5 | 2.2 | 2.4 | 1.5 | 3.2 | नागालैंड |
| 21 | Odisha | 8144012 | 6782879 | 35.6 | 19.4 | 62.8 | 79.8 | 0.6 | 0.5 | 1.1 | 0.4 | ओडिशा |
| 22 | Punjab | 3315632 | 2775462 | 95.5 | 89.5 | 2.9 | 8.9 | 0.7 | 0.5 | 0.9 | 1.1 | पंजाब |
| 23 | Rajasthan | 9490363 | 7156703 | 58.3 | 44.0 | 39.3 | 54.7 | 1.5 | 0.8 | 1.0 | 0.5 | राजस्थान |
| 24 | Sikkim | 92370 | 91723 | 90.2 | 75.0 | 8.7 | 24.3 | 0.5 | 0.3 | 0.6 | 0.4 | सिक्किम |
| 25 | Tamil Nadu | 9563899 | 8274790 | 90.8 | 71.2 | 8.3 | 28.2 | 0.3 | 0.3 | 0.6 | 0.4 | तमिलनाडु |
| 26 | Tripura | 607779 | 539680 | 59.8 | 31.8 | 37.7 | 67.6 | 2.5 | 0.4 | 0.4 | 0.2 | त्रिपुरा |
| 27 | Uttar Pradesh | 25475071 | 20590074 | 23.8 | 19.8 | 75.0 | 79.5 | 1.1 | 0.6 | 0.1 | 0.1 | उत्तर प्रदेश |
| 28 | Uttarakhand | 1404845 | 1196157 | 83.1 | 50.3 | 14.5 | 46.7 | 2.1 | 2.7 | 0.3 | 0.3 | उत्तराखंड |
| 29 | West Bengal | 13717186 | 11161870 | 40.3 | 20.3 | 57.8 | 79.2 | 1.5 | 0.5 | 0.4 | 0.1 | पश्चिम बंगाल |
| 30 | Andaman And Nicobar Island | 59030 | 49653 | 79.4 | 68.1 | 19.3 | 29.9 | 0.8 | 1.2 | 0.6 | 0.8 | अंडमान एवं निकोबार दीप समूह |
| 31 | Chandigarh | 6785 | 21302 | 97.3 | 97.4 | 2.4 | 2.1 | 0.2 | 0.3 | 0.1 | 0.2 | चंडीगढ़ |
| 32 | Dadra & Nagar Haveli | 35408 | 32783 | 91.7 | 82.6 | 7.9 | 16.0 | 0.1 | 0.3 | 0.6 | 1.0 | दादरा एवं नगर हवेली |
| 33 | Daman & Diu | 12750 | 22091 | 98.3 | 97.5 | 1.5 | 2.0 | 0.1 | 0.2 | 0.2 | 0.4 | दमन एवं दीव |
| 34 | Lakshadweep | 2523 | 5351 | 99.8 | 99.7 | 0.2 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | लक्षद्वीप |
| 35 | Puducherry | 95133 | 72199 | 95.8 | 81.0 | 3.6 | 18.6 | 0.2 | 0.2 | 0.5 | 0.1 | पुद्दुचेरी |
| | **INDIA** | **167874291** | **138271559** | **55.3** | **43.5** | **43.2** | **55.6** | **1.0** | **0.6** | **0.5** | **0.3** | **भारत** |

Source : Census 2001, 2011, Office of the Registrar General

स्रोत : जनगणना 2001, 2011, महापंजीयक का कार्यालय

Note: Telegana figures ae included in A.P.

## Statement 2.29(b): Distribution of households by source of lighting

## विवरण 2.29 (ख) : प्रकाश के स्रोत के अनुसार परिवारों का वितरण

(Urban/शहरी)

| Sl. No. क्र. सं. | State/UT | Total No. of Households परिवारों की कुल संख्या | | Primary source of energy for lighting (%) प्रकाश के लिए ऊर्जा का प्राथमिक स्रोत (प्रतिशत) | | | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Electricity विद्युत | | Kerosene केरोसिन | | Any other sources कोई अन्य स्रोत | | No lighting कोई प्रकाश नहीं | | |
| | | 2011 | 2001 | 2011 | 2001 | 2011 | 2001 | 2011 | 2001 | 2011 | 2001 | |
| 1 | Andhra Pradesh | 6778225 | 4173639 | 97.3 | 90.0 | 2.0 | 9.2 | 0.5 | 0.5 | 0.2 | 0.3 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 65891 | 48114 | 96.0 | 89.4 | 3.2 | 9.4 | 0.4 | 0.5 | 0.4 | 0.7 | अरुणाचल प्रदेश |
| 3 | Assam | 992742 | 715185 | 84.1 | 74.3 | 15.2 | 25.0 | 0.5 | 0.6 | 0.3 | 0.2 | असम |
| 4 | Bihar | 2013671 | 1322583 | 66.7 | 59.3 | 32.2 | 39.9 | 0.8 | 0.7 | 0.2 | 0.2 | बिहार |
| 5 | Chhattisgarh | 1238738 | 789440 | 93.7 | 82.9 | 5.7 | 16.5 | 0.3 | 0.3 | 0.2 | 0.3 | छत्तीसगढ़ |
| 6 | Delhi | 3261423 | 2384621 | 99.1 | 93.4 | 0.6 | 5.7 | 0.2 | 0.7 | 0.1 | 0.2 | दिल्ली |
| 7 | Goa | 198139 | 138461 | 97.7 | 94.7 | 1.8 | 4.6 | 0.3 | 0.3 | 0.3 | 0.4 | गोवा |
| 8 | Gujarat | 5416315 | 3758028 | 97.2 | 93.4 | 2.1 | 5.5 | 0.2 | 0.5 | 0.5 | 0.7 | गुजरात |
| 9 | Haryana | 1751901 | 1075179 | 96.2 | 92.9 | 2.7 | 6.1 | 0.7 | 0.5 | 0.4 | 0.4 | हरियाणा |
| 10 | Himachal Pradesh | 166043 | 143113 | 98.1 | 97.4 | 1.6 | 2.2 | 0.2 | 0.3 | 0.1 | 0.1 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 517168 | 390411 | 98.0 | 97.9 | 1.2 | 1.6 | 0.6 | 0.4 | 0.2 | 0.1 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 1495642 | 1060178 | 88.0 | 75.6 | 11.4 | 23.8 | 0.5 | 0.5 | 0.1 | 0.1 | झारखंड |
| 13 | Karnataka | 5315715 | 3556960 | 96.4 | 90.5 | 3.1 | 8.8 | 0.3 | 0.4 | 0.2 | 0.3 | कर्नाटक |
| 14 | Kerala | 3620696 | 1652656 | 97.0 | 84.3 | 2.8 | 15.1 | 0.2 | 0.5 | 0.0 | 0.0 | केरल |
| 15 | Madhya Pradesh | 3845232 | 2794858 | 92.7 | 92.3 | 6.6 | 7.1 | 0.4 | 0.3 | 0.2 | 0.2 | मध्य प्रदेश |
| 16 | Maharashtra | 10813928 | 8069526 | 96.2 | 94.3 | 3.1 | 5.1 | 0.3 | 0.3 | 0.4 | 0.3 | महाराष्ट्र |
| 17 | Manipur | 171400 | 101302 | 82.4 | 82.0 | 11.2 | 17.3 | 5.9 | 0.5 | 0.5 | 0.3 | मणिपुर |
| 18 | Meghalaya | 116102 | 90568 | 94.9 | 88.1 | 4.4 | 10.9 | 0.3 | 0.5 | 0.3 | 0.5 | मेघालय |
| 19 | Mizoram | 116203 | 81604 | 98.1 | 94.4 | 1.5 | 5.2 | 0.3 | 0.2 | 0.1 | 0.2 | मिजोरम |
| 20 | Nagaland | 115054 | 66716 | 97.4 | 90.3 | 2.1 | 8.3 | 0.3 | 0.5 | 0.2 | 0.9 | नागालैंड |
| 21 | Odisha | 1517073 | 1087248 | 83.1 | 74.1 | 15.3 | 24.3 | 0.4 | 0.7 | 1.2 | 1.0 | ओडिशा |
| 22 | Punjab | 2094067 | 1489694 | 98.3 | 96.5 | 1.0 | 2.6 | 0.3 | 0.4 | 0.3 | 0.5 | पंजाब |
| 23 | Rajasthan | 3090940 | 2185591 | 93.9 | 89.6 | 5.2 | 9.6 | 0.5 | 0.4 | 0.5 | 0.4 | राजस्थान |
| 24 | Sikkim | 35761 | 13015 | 98.7 | 97.1 | 0.9 | 2.8 | 0.1 | 0.1 | 0.3 | 0.0 | सिक्किम |
| 25 | Tamil Nadu | 8929104 | 5898836 | 96.1 | 88.0 | 3.4 | 11.1 | 0.2 | 0.4 | 0.3 | 0.4 | तमिलनाडु |
| 26 | Tripura | 235002 | 122343 | 91.6 | 86.4 | 7.0 | 13.0 | 1.2 | 0.4 | 0.2 | 0.2 | त्रिपुरा |
| 27 | Uttar Pradesh | 7449195 | 5170527 | 81.4 | 79.9 | 17.2 | 19.3 | 0.9 | 0.5 | 0.4 | 0.3 | उत्तर प्रदेश |
| 28 | Uttarakhand | 592223 | 390164 | 96.5 | 90.9 | 2.9 | 8.4 | 0.4 | 0.4 | 0.3 | 0.3 | उत्तराखंड |
| 29 | West Bengal | 6350113 | 4554045 | 85.1 | 79.6 | 12.7 | 19.5 | 1.6 | 0.6 | 6.0 | 0.3 | पश्चिम बंगाल |
| 30 | Andaman And Nicobar Island | 34346 | 23409 | 97.7 | 95.2 | 1.9 | 4.3 | 0.1 | 0.2 | 0.2 | 0.2 | अंडमान एवं निकोबार दीप समूह |
| 31 | Chandigarh | 228276 | 180576 | 98.4 | 96.7 | 1.1 | 2.9 | 0.2 | 0.2 | 0.2 | 0.2 | चंडीगढ़ |
| 32 | Dadra & Nagar Haveli | 37655 | 11190 | 98.5 | 95.8 | 1.4 | 3.8 | 0.0 | 0.3 | 0.1 | 0.0 | दादरा एवं नगर हवेली |
| 33 | Daman & Diu | 47631 | 12251 | 99.3 | 98.3 | 0.6 | 1.3 | 0.1 | 0.1 | 0.1 | 0.3 | दमन एवं दीव |
| 34 | Lakshadweep | 8180 | 3889 | 99.7 | 99.7 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | लक्षद्वीप |
| 35 | Puducherry | 206143 | 136456 | 98.5 | 91.4 | 1.3 | 8.2 | 0.1 | 0.2 | 0.1 | 0.1 | पुद्दुचेरी |
| | **INDIA** | **78865937** | **53692376** | **92.7** | **87.6** | **6.5** | **11.6** | **0.5** | **0.5** | **0.3** | **0.4** | **भारत** |

Source : Census 2001, 2011, Office of the Registrar General

स्रोत : जनगणना 2001, 2011, महापंजीयक का कार्यालय

Note: Telegana figures ae included in A.P.

## Statement 2.29(c): Distribution of households by source of lighting

## सारणी 2.29 (ग) : प्रकाश के स्रोत के अनुसार परिवारों का वितरण

(Rural/ ग्रामीण) For year 2007-08 वर्ष के लिए

| States/UT | primary source of energy for lighting प्रकाश के लिए ऊर्जा का प्राथमिक स्रोत | | | | | | estd. No . Of hhs (00) परिवारों की स्थापित संख्या (00) | no. of sample hhs नमूना परिवारों की संख्या | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|
| | With no lightng arrangement प्रकाश की कोई व्यवस्था नहीं | kerosene केरोसिन | electricity विद्युत | other अन्य | not recorded दर्ज नहीं किया गया है | all सभी | | | |
| Andhra Pradesh | 3 | 110 | 885 | 3 | 0 | 1000 | 148825 | 2239 | आंध्र प्रदेश |
| Arunachal Pradesh | 38 | 285 | 491 | 152 | 33 | 1000 | 1644 | 348 | अरुणाचल प्रदेश |
| Assam | 3 | 606 | 370 | 20 | 0 | 1000 | 46001 | 800 | असम |
| Bihar | 14 | 840 | 138 | 6 | 2 | 1000 | 136324 | 2844 | बिहार |
| Chhattisgarh | 0 | 231 | 760 | 7 | 2 | 1000 | 39421 | 640 | छत्तीसगढ़ |
| Gujarat | 11 | 119 | 867 | 3 | 0 | 1000 | 65922 | 1084 | गुजरात |
| Haryana | 3 | 102 | 889 | 6 | 0 | 1000 | 30582 | 572 | हरियाणा |
| Himachal Pradesh | 4 | 13 | 960 | 23 | 0 | 1000 | 13577 | 672 | हिमाचल प्रदेश |
| Jammu & Kashmir | 4 | 31 | 944 | 21 | 0 | 1000 | 12913 | 472 | जम्मू एव कश्मीर |
| Jharkhand | 1 | 657 | 339 | 3 | 0 | 1000 | 41668 | 851 | झारखंड |
| Karnataka | 7 | 72 | 921 | 0 | 0 | 1000 | 76206 | 1180 | कनोटक |
| Kerala | 0 | 100 | 893 | 7 | 0 | 1000 | 54827 | 896 | केरल |
| Madhya Pradesh | 3 | 240 | 753 | 4 | 0 | 1000 | 92609 | 1779 | मध्य प्रदेश |
| Maharashtra | 4 | 241 | 751 | 3 | 0 | 1000 | 125352 | 2014 | महाराष्ट्र |
| Manipur | 11 | 116 | 851 | 11 | 10 | 1000 | 3070 | 768 | मणिपुर |
| Meghalaya | 0 | 272 | 728 | 0 | 0 | 1000 | 3990 | 512 | मेघालय |
| Nagaland | 0 | 9 | 990 | 0 | 0 | 1000 | 1496 | 512 | नागालैंड |
| Odisha | 4 | 636 | 359 | 2 | 0 | 1000 | 70923 | 1532 | ओडिशा |
| Punjab | 6 | 4 | 957 | 32 | 0 | 1000 | 33812 | 704 | पजाब |
| Rajasthan | 10 | 432 | 551 | 7 | 0 | 1000 | 87089 | 1501 | राजस्थान |
| Sikkim | 4 | 24 | 973 | 0 | 0 | 1000 | 1107 | 480 | सिक्किम |
| Tamil Nadu | 6 | 80 | 914 | 0 | 0 | 1000 | 95794 | 1436 | तमिलनाड़ |
| Tripura | 11 | 393 | 592 | 2 | 2 | 1000 | 6747 | 864 | त्रिपुरा |
| Uttar Pradesh | 5 | 706 | 279 | 10 | 0 | 1000 | 247744 | 3611 | उत्तर प्रदेश |
| Uttarakhand | 0 | 197 | 789 | 14 | 0 | 1000 | 13701 | 412 | उत्तराखड |
| West Bengal | 7 | 530 | 458 | 4 | 1 | 1000 | 134337 | 2203 | पश्चिम बगाल |
| North- Eastern States | 10 | 249 | 719 | 17 | 5 | 1000 | 19019 | 3740 | पूर्वोत्तर राज्य |
| Union Territories | 6 | 85 | 908 | 0 | 0 | 1000 | 2445 | 372 | संघ राज्य क्षेत्र |
| **All India** | **6** | **386** | **602** | **6** | **0** | **1000** | **1592612** | **31673** | **अखिल भारत** |

Source : NSS Reoprt No. 530: Household Consumer Expenditure in India,2007-08

स्रोत : एनएसएस रिपोर्ट सख्या 530: भारत मे पारिवारिक उपभोग व्यय, 2007-08

## Statement 2.29(d) :Distribution of households by source of lighting
## सारणी 2.29 (घ) : प्रकाश के स्रोत के अनुसार परिवारों का वितरण

(Urban/ शहरी) For year 2007-08 वर्ष के लिए

| States/UT | primary source of energy for lighting प्रकाश के लिए ऊर्जा का प्राथमिक स्रोत | | | | | | estd. No . Of hhs (00) परिवारों की स्थापित संख्या (00) | no. of sample hhs नमूना परिवारों की संख्या | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|
| | With no lightng arrangement प्रकाश की कोई व्यवस्था नहीं | kerosene केरोसिन | electricity विद्युत | other अन्य | not recorded दर्ज नहीं किया गया है | all सभी | | | |
| Andhra Pradesh | 0 | 29 | 971 | 0 | 0 | 1000 | 54844 | 1244 | आंध्र प्रदेश |
| Assam | 0 | 107 | 843 | 46 | 4 | 1000 | 5771 | 416 | असम |
| Bihar | 8 | 257 | 711 | 10 | 15 | 1000 | 14948 | 672 | बिहार |
| Chhattisgarh | 0 | 24 | 976 | 0 | 0 | 1000 | 8262 | 319 | छत्तीसगढ़ |
| Delhi | 0 | 5 | 976 | 19 | 0 | 1000 | 29837 | 558 | दिल्ली |
| Gujarat | 8 | 30 | 959 | 2 | 0 | 1000 | 42320 | 983 | गुजरात |
| Haryana | 0 | 5 | 982 | 13 | 0 | 1000 | 13055 | 384 | हरियाणा |
| Jammu & Kashmir | 0 | 21 | 961 | 19 | 0 | 1000 | 2950 | 380 | जम्मू एव कश्मीर |
| Jharkhand | 0 | 39 | 937 | 24 | 0 | 1000 | 9770 | 384 | झारखंड |
| Karnataka | 4 | 25 | 970 | 0 | 0 | 1000 | 40338 | 918 | कनाटक |
| Kerala | 6 | 25 | 965 | 4 | 0 | 1000 | 18436 | 510 | केरल |
| Madhya Pradesh | 5 | 32 | 955 | 4 | 4 | 1000 | 30139 | 992 | मध्य प्रदेश |
| Maharashtra | 2 | 21 | 975 | 2 | 0 | 1000 | 91380 | 2004 | महाराष्ट्र |
| Manipur | 0 | 18 | 965 | 17 | 0 | 1000 | 1174 | 384 | मणिपुर |
| Mizoram | 0 | 14 | 986 | 0 | 0 | 1000 | 781 | 384 | मिजोरम |
| Odisha | 5 | 124 | 871 | 0 | 0 | 1000 | 12700 | 544 | ओडिशा |
| Punjab | 0 | 6 | 945 | 49 | 0 | 1000 | 19416 | 576 | पजाब |
| Rajasthan | 4 | 48 | 948 | 0 | 0 | 1000 | 27543 | 695 | राजस्थान |
| Tamil Nadu | 1 | 38 | 959 | 1 | 0 | 1000 | 73981 | 1398 | तामेलनाडु |
| Uttar Pradesh | 2 | 130 | 843 | 24 | 0 | 1000 | 70622 | 1433 | उत्तर प्रदेश |
| West Bengal | 1 | 82 | 914 | 2 | 1 | 1000 | 47913 | 1307 | पाश्चम बगाल |
| North- Eastern States | 3 | 31 | 946 | 12 | 8 | 1000 | 5760 | 1760 | पूर्वोत्तर राज्य |
| Union Territories | 3 | 0 | 997 | 0 | 0 | 1000 | 4186 | 584 | संघ राज्य क्षेत्र |
| **All India** | **3** | **51** | **938** | **8** | **1** | **1000** | **632571** | **18624** | **अखिल भारत** |

Source : NSS Reoprt No. 530: Household Consumer Expenditure in India,2007-08

स्रोत : एनएसएस रिपोर्ट संख्या 530: भारत में पारिवारिक उपभोग व्यय, 2007-08

## Statement 2.30: State-wise Land Use Classification- 2014-15
## विवरण 2.30 : राज्यवार भूमि प्रयोग वर्गीकरण - 2014-15

(Thousand Hectares)

| Sl. No. क्र. सं. | State/Uts | Geographical Area भौगोलिक क्षेत्र | Reporting area for land utilisation statistics (col. 5+8+12+15+16) भूमि प्रयोग सांख्यिकी के लिए रिपोर्टिंग क्षेत्र (कॉलम 5+8+12+15+16) | Forest वन | Land not available for cultivation भूमि जो कृषि के लिए उपलब्ध नहीं है | | |
|---|---|---|---|---|---|---|---|
| | | | | | Area put to non agricultural uses क्षेत्रफल जो कृषि से भिन्न प्रयोगों के लिए रखा गया है | Barren and uncultivable land बंजर एवं अपरिशोध्य भूमि | Total (col. 6+ col. 7) कुल (कॉलम 6 + कॉलम 7) |
| 1 | Andhra Pradesh | 16276 | **16276** | 3663 | 2002 | 1351 | **3353** |
| 2 | Arunachal Pradesh | 8374 | **7228** | 6725* | 25 | 37 | **62** |
| 3 | Assam | 7844 | **7844** | 1853 | 1271 | 1190 | **2460** |
| 4 | Bihar | 9416 | **9360** | 622 | 1712 | 432 | **2144** |
| 5 | Chhattisgarh | 13519 | **13790** | 6316 | 741 | 288 | **1030** |
| 6 | Delhi | 148 | **147** | 1 | 75 | 18 | **93** |
| 7 | Goa | 370 | **361** | 125 | 37 | | **37** |
| 8 | Gujarat | 19602 | **19069** | 1834 | 1171 | 2552 | **3723** |
| 9 | Haryana | 4421 | **4371** | 38 | 534 | 119 | **653** |
| 10 | Himachal Pradesh | 5567 | **4576** | 1126 | 350 | 777 | **1127** |
| 11 | Jammu & Kashmir | 22224 | **4058** | 2299 | 266 | 305 | **571** |
| 12 | Jharkhand | 7972 | **7970** | 2239 | 706 | 568 | **1274** |
| 13 | Karnataka | 19179 | **19052** | 3073 | 1461 | 787 | **2248** |
| 14 | Kerala | 3886 | **3886** | 1082 | 526 | 13 | **538** |
| 15 | Madhya Pradesh | 30825 | **30756** | 8694 | 2149 | 1357 | **3506** |
| 16 | Maharashtra | 30771 | **30758** | 5201 | 1482 | 1727 | **3209** |
| 17 | Manipur | 2233 | **2117** | 1699 | 26 | 1 | **27** |
| 18 | Meghalaya | 2243 | **2242** | 946 | 111 | 129 | **240** |
| 19 | Mizoram | 2108 | **2039** | 1585 | 69 | 6 | **75** |
| 20 | Nagaland | 1658 | **1652** | 863 | 93 | 2 | **95** |
| 21 | Odisha | 15571 | **15518** | 5814 | 1318 | 1078 | **2396** |
| 22 | Punjab | 5036 | **5033** | 256 | 430 | 58 | **488** |
| 23 | Rajasthan | 34224 | **34267** | 2740 | 1940 | 2403 | **4343** |
| 24 | Sikkim | 710 | **442** | 336 | 10 | | **10** |
| 25 | Tamil Nadu | 13006 | **13033** | 2125 | 2199 | 489 | **2688** |
| 26 | Telangana | 11231 | **11208** | 2540 | 885 | 607 | **1492** |
| 27 | Tripura | 1049 | **1049** | 629 | 146 | | **146** |
| 28 | Uttar Pradesh | 24093 | **24170** | 1659 | 3046 | 462 | **3508** |
| 29 | Uttarakhand | 5348 | **5993** | 3800 | 224 | 228 | **452** |
| 30 | West Bengal | 8875 | **8683** | 1173 | 1842 | 11 | **1853** |
| 31 | Andaman & Nicobar Island | 825 | **757** | 717 | 7 | 2 | **9** |
| 32 | Chandigarh | 11 | **7** | 0 | 5 | | **5** |
| 33 | Dadra and Nagar Haveli | 49 | **49** | 20 | 4 | 0 | **4** |
| 35 | Daman & Diu | 11 | **3** | | 0 | | **0** |
| 35 | Lakshadweep | 3 | **3** | | 1 | | **1** |
| 36 | Puducherry | 48 | **49** | 0 | 19 | 0 | **19** |
| **Total** | | **328726** | **307818** | **71794** | **26883** | **16996** | **43880** |

Source: Directorate of Economics & Statistics, Ministry of Agriculture and Farmers' Welfare

स्रोत: आर्थिक एवं सांख्यिकी निदेशालय, कृषि एंव किसान कल्याण मंत्रालय

## Statement 2.30: State-wise Land Use Classification- 2014-15
## विवरण 2.30 : राज्यवार भूमि प्रयोग वर्गीकरण - 2014-15

(Thousand Hectares)

| Sl. No. क्र. सं. | State/Uts | Other uncultivated land excluding Fallow Land परती भूमि को छोड़कर अन्य अकृषित भूमि | | | | Fallow Lands परती भूमि | | |
|---|---|---|---|---|---|---|---|---|
| | | Permanent pastures & other grazing lands स्थाई चरागाह एवं अन्य चराई भूमि | Land under Miscellaneous Tree Crops & Groves not included in Net Area Sown विविध वृक्ष फसलों एवं उपवनों के | Culturable Waste Land परिशोध्य बंजर भूमि | Total (col. 9+10+11) कुल (कॉलम 9+10+11) | Fallow Lands other than Current Fallows मौजूदा परती भूमियों से भिन्न परती भूमि | Current Fallows मौजूदा परती भूमि | Total (col. 13+14) कुल (कॉलम 13+14) |
| 1 | Andhra Pradesh | 214 | 159 | 391 | **764** | 858 | 1401 | **2260** |
| 2 | Arunachal Pradesh | 18 | 35 | 62 | **115** | 65 | 36 | **101** |
| 3 | Assam | 167 | 220 | 142 | **529** | 87 | 87 | **175** |
| 4 | Bihar | 15 | 248 | 45 | **308** | 119 | 889 | **1008** |
| 5 | Chhattisgarh | 887 | 1 | 351 | **1239** | 258 | 267 | **525** |
| 6 | Delhi | 0 | 1 | 10 | **11** | 8 | 12 | **20** |
| 7 | Goa | 1 | 1 | 53 | **54** | | 15 | **15** |
| 8 | Gujarat | 851 | 4 | 1960 | **2815** | 16 | 379 | **395** |
| 9 | Haryana | 25 | 9 | 17 | **51** | 22 | 86 | **108** |
| 10 | Himachal Pradesh | 1510 | 64 | 122 | **1696** | 22 | 54 | **76** |
| 11 | Jammu & Kashmir | 112 | 57 | 139 | **308** | 15 | 106 | **121** |
| 12 | Jharkhand | 114 | 98 | 353 | **565** | 1122 | 1386 | **2507** |
| 13 | Karnataka | 904 | 277 | 409 | **1590** | 525 | 1572 | **2097** |
| 14 | Kerala | 0 | 3 | 101 | **103** | 55 | 65 | **120** |
| 15 | Madhya Pradesh | 1303 | 20 | 1010 | **2333** | 483 | 388 | **871** |
| 16 | Maharashtra | 1249 | 249 | 919 | **2417** | 1188 | 1399 | **2587** |
| 17 | Manipur | 1 | 6 | 1 | **8** | 0 | 0 | **0** |
| 18 | Meghalaya | | 165 | 390 | **555** | 155 | 60 | **215** |
| 19 | Mizoram | 11 | 41 | 7 | **60** | 127 | 47 | **174** |
| 20 | Nagaland | | 92 | 68 | **161** | 99 | 50 | **149** |
| 21 | Odisha | 524 | 211 | 550 | **1285** | 631 | 918 | **1549** |
| 22 | Punjab | 5 | 8 | 69 | **82** | 6 | 83 | **89** |
| 23 | Rajasthan | 1674 | 26 | 4038 | **5738** | 2069 | 1856 | **3925** |
| 24 | Sikkim | | 4 | 4 | **8** | 5 | 7 | **12** |
| 25 | Tamil Nadu | 108 | 236 | 325 | **669** | 1734 | 998 | **2732** |
| 26 | Telangana | 299 | 112 | 183 | **593** | 805 | 1401 | **2206** |
| 27 | Tripura | 1 | 11 | 3 | **15** | 2 | 1 | **3** |
| 28 | Uttar Pradesh | 65 | 305 | 405 | **776** | 509 | 1122 | **1631** |
| 29 | Uttarakhand | 192 | 388 | 317 | **897** | 86 | 57 | **144** |
| 30 | West Bengal | 2 | 49 | 17 | **69** | 11 | 339 | **350** |
| 31 | Andaman & Nicobar Island | 4 | 4 | 3 | **11** | 3 | 3 | **6** |
| 32 | Chandigarh | | 0 | | **0** | 0 | 0 | **0** |
| 33 | Dadra and Nagar Haveli | 1 | | 0 | **1** | 2 | 2 | **4** |
| 35 | Daman & Diu | | 0 | 0 | **0** | 0 | 0 | **0** |
| 35 | Lakshadweep | | | | | | | |
| 36 | Puducherry | | 1 | 5 | **6** | 3 | 5 | **8** |
| **Total** | | **10258** | **3104** | **12469** | **25832** | **11092** | **15091** | **26182** |

Note- As Per Land Use Statistics at a Glance 2005-06 to 2014-15

## Statement 2.30: State-wise Land Use Classification- 2014-15
## विवरण 2.30 : राज्यवार भूमि प्रयोग वर्गीकरण - 2014-15

(Thousand Hectares)

| Sl. No. क्र. सं. | State/Uts | Net Area Sown निवल बुआई क्षेत्रफल | Total Cropped Area (Gross Cropped Area) कुल शस्य क्षेत्रफल (सकल शस्य क्षेत्रफल) | Area Sown more than once (Col. 17-16) क्षेत्रफल जिसमें एक से अधिक बार बुआई होती है (कॉलम 17-16) | Cropping Intensity (Col.17/Col.16*100) शस्य घनत्व (कॉलम 17/कॉलम 16*100) | Agri.Land/Cultivable Land/Culturable Land (Col.10+11+15+16) कृषि भूमि/कृष्य भूमि/परिशोध्य भूमि (कॉलम 10+11+15+16) |
|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 6236 | 7690 | 1454 | 123.3 | 9047 |
| 2 | Arunachal Pradesh | 225 | 299 | 74 | 132.8 | 423 |
| 3 | Assam | 2827 | 4083 | 1255 | 144.4 | 3364 |
| 4 | Bihar | 5278 | 7673 | 2395 | 145.4 | 6579 |
| 5 | Chhattisgarh | 4681 | 5728 | 1047 | 122.4 | 5558 |
| 6 | Delhi | 22 | 35 | 13 | 161.5 | 53 |
| 7 | Goa | 129 | 158 | 28 | 122.0 | 197 |
| 8 | Gujarat | 10302 | 12773 | 2471 | 124.0 | 12661 |
| 9 | Haryana | 3522 | 6536 | 3014 | 185.6 | 3656 |
| 10 | Himachal Pradesh | 550 | 918 | 368 | 167.0 | 812 |
| 11 | Jammu & Kashmir | 758 | 1178 | 419 | 155.3 | 1075 |
| 12 | Jharkhand | 1385 | 1554 | 169 | 112.2 | 4343 |
| 13 | Karnataka | 10044 | 12247 | 2203 | 121.9 | 12827 |
| 14 | Kerala | 2043 | 2625 | 582 | 128.5 | 2266 |
| 15 | Madhya Pradesh | 15351 | 23810 | 8459 | 155.1 | 17252 |
| 16 | Maharashtra | 17345 | 23474 | 6129 | 135.3 | 21099 |
| 17 | Manipur | 383 | 383 | 0 | 100.0 | 390 |
| 18 | Meghalaya | 286 | 343 | 57 | 120.0 | 1056 |
| 19 | Mizoram | 145 | 145 | 0 | 100.0 | 367 |
| 20 | Nagaland | 384 | 500 | 116 | 130.3 | 694 |
| 21 | Odisha | 4474 | 5173 | 699 | 115.6 | 6784 |
| 22 | Punjab | 4119 | 7857 | 3738 | 190.8 | 4285 |
| 23 | Rajasthan | 17521 | 24235 | 6714 | 138.3 | 25511 |
| 24 | Sikkim | 77 | 136 | 59 | 176.0 | 97 |
| 25 | Tamil Nadu | 4819 | 5995 | 1175 | 124.4 | 8112 |
| 26 | Telangana | 4377 | 5315 | 939 | 121.5 | 6877 |
| 27 | Tripura | 255 | 483 | 228 | 189.3 | 272 |
| 28 | Uttar Pradesh | 16598 | 26147 | 9549 | 157.5 | 18939 |
| 29 | Uttarakhand | 700 | 1097 | 397 | 156.7 | 1549 |
| 30 | West Bengal | 5238 | 9690 | 4452 | 185.0 | 5655 |
| 31 | Andaman & Nicobar Island | 15 | 24 | 9 | 160.9 | 28 |
| 32 | Chandigarh | 1 | 2 | 1 | 155.9 | 1 |
| 33 | Dadra and Nagar Haveli | 19 | 23 | 4 | 122.7 | 24 |
| 35 | Daman & Diu | 3 | 3 | 0 | 102.3 | 3 |
| 35 | Lakshadweep | 2 | 3 | 1 | 135.7 | 2 |
| 36 | Puducherry | 16 | 27 | 11 | 168.3 | 29 |
| **Total** | | **140130** | **198360** | **58230** | **141.6** | **181886** |

o' means area is less than 500 hectares

## Statement 2.30: State-wise Land Use Classification- 2014-15
## विवरण 2.30 : राज्यवार भूमि प्रयोग वर्गीकरण - 2014-15

(Thousand Hectares)

| Sl. No. क्र. सं. | State/Uts | Cultivated Land(Col.13+15) कृष्ट भूमि (कॉलम 13+15) | Uncultivable/Uncultur able Land (Col.4-20) अकृष्य भूमि/अपरि शोध्य भूमि (कॉलम 4-20) | Uncultivate d Land (Col.4-21) अकृष्ट भूमि (कॉलम 4-21) | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 7638 | 7230 | 8639 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 261 | 6805 | 6967 | अरुणाचल प्रदेश |
| 3 | Assam | 2915 | 4480 | 4929 | असम |
| 4 | Bihar | 6167 | 2781 | 3193 | बिहार |
| 5 | Chhattisgarh | 4948 | 8232 | 8842 | छत्तीसगढ़ |
| 6 | Delhi | 34 | 95 | 114 | दिल्ली |
| 7 | Goa | 144 | 164 | 217 | गोवा |
| 8 | Gujarat | 10681 | 6408 | 8388 | गुजरात |
| 9 | Haryana | 3608 | 716 | 764 | हरियाणा |
| 10 | Himachal Pradesh | 604 | 3764 | 3971 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 864 | 2982 | 3193 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 2770 | 3627 | 5200 | झारखंड |
| 13 | Karnataka | 11615 | 6225 | 7437 | कर्नाटक |
| 14 | Kerala | 2108 | 1620 | 1778 | केरल |
| 15 | Madhya Pradesh | 15740 | 13504 | 15017 | मध्य प्रदेश |
| 16 | Maharashtra | 18744 | 9659 | 12015 | महाराष्ट्र |
| 17 | Manipur | 383 | 1728 | 1734 | मणिपुर |
| 18 | Meghalaya | 347 | 1186 | 1895 | मेघालय |
| 19 | Mizoram | 191 | 1672 | 1848 | मिजोरम |
| 20 | Nagaland | 434 | 958 | 1218 | नागालैंड |
| 21 | Odisha | 5392 | 8734 | 10126 | ओडिशा |
| 22 | Punjab | 4202 | 748 | 831 | पंजाब |
| 23 | Rajasthan | 19377 | 8757 | 14890 | राजस्थान |
| 24 | Sikkim | 84 | 346 | 358 | सिक्किम |
| 25 | Tamil Nadu | 5817 | 4921 | 7216 | तमिलनाडु |
| 26 | Telangana | 5777 | 4331 | 5431 | तेलंगाना |
| 27 | Tripura | 257 | 777 | 793 | त्रिपुरा |
| 28 | Uttar Pradesh | 17720 | 5231 | 6451 | उत्तर प्रदेश |
| 29 | Uttarakhand | 757 | 4444 | 5235 | उत्तराखंड |
| 30 | West Bengal | 5577 | 3028 | 3106 | पश्चिम बंगाल |
| 31 | Andaman & Nicobar Island | 17 | 730 | 740 | अंडमान एवं निकोबार द्वीप समूह |
| 32 | Chandigarh | 1 | 6 | 6 | चंडीगढ़ |
| 33 | Dadra and Nagar Haveli | 21 | 25 | 28 | दादरा एवं नगर हवेली |
| 35 | Daman & Diu | 3 | 0 | 0 | दमन एवं दीव |
| 35 | Lakshadweep | 2 | 1 | 1 | लक्षद्वीप |
| 36 | Puducherry | 21 | 19 | 28 | पुद्दुचेरी |
| **Total** | | **155221** | **125931** | **152597** | **कुल** |

**Statement 2.31: Agricultural Land by Use in India**

**विवरण 2.31 : भारत में प्रयोग के अनुसार कृषि भूमि**

(Million Hectares/मिलियन हेक्टेयर में)

| S.No. क्र. सं. | Classification | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 (P) | वर्गीकरण |
|---|---|---|---|---|---|---|---|
| **I** | **Geographical Area for Land Utilisation Statistics** | 328.73 | 328.73 | 328.73 | 328.73 | 328.73 | **भूमि प्रयोग सांख्यिकी के लिए भौगोलिक क्षेत्रफल** |
| **II** | **Reporting Area for Land Utilisation Statistics (1 to 5)** | 307.48 | 307.39 | 307.49 | 307.80 | 307.82 | **भूमि प्रयोग सांख्यिकी के लिए रिपोर्टिंग क्षेत्रफल (1 से 5)** |
| 1 | Forest | 71.59 | 71.60 | 71.57 | 71.83 | 71.79 | वन |
| | (%) | 23.28 | 23.29 | 23.28 | 23.34 | 23.32 | (प्रतिशत) |
| 2 | Not available for Cultivation (A+B) | 43.58 | 43.53 | 43.58 | 43.86 | 43.88 | खेती के लिए उपलब्ध नहीं (क+ख) |
| (A) | Area under non-agricultural uses | 26.40 | 26.31 | 26.50 | 26.91 | 26.88 | कृषि से भिन्न प्रयोगों के अधीन क्षेत्रफल |
| | % | 8.59 | 8.56 | 8.62 | 8.74 | 8.73 | प्रतिशत |
| (B) | Barren & Un-culturable Land | 17.18 | 17.22 | 17.07 | 16.95 | 17.00 | बंजर एवं अपरिशोध्य भूमि |
| | % | 5.59 | 5.60 | 5.55 | 5.51 | 5.52 | प्रतिशत |
| 3 | Other uncultivated land excluding fallow land (A+B+C) | 26.15 | 26.11 | 26.08 | 25.83 | 25.83 | परती भूमि को छोड़कर अन्य अकृष्ट भूमि (क+ख+ग) |
| (A) | Permanent Pasture & other Grazing Land | 10.30 | 10.31 | 10.26 | 10.26 | 10.26 | स्थाई चरागाह एवं अन्य चराई भूमि |
| | % | 3.35 | 3.36 | 3.34 | 3.33 | 3.33 | प्रतिशत |
| (B) | **Land under misc. tree crops & groves (not incl. in net area sown)** | 3.20 | 3.16 | 3.18 | 3.19 | 3.10 | बुआई क्षेत्रफल में शामिल नहीं है |
| | % | 1.04 | 1.03 | 1.03 | 1.04 | 1.01 | प्रतिशत |
| ( C) | Culturable Waste land | 12.65 | 12.64 | 12.64 | 12.39 | 12.47 | परिशोध्य बंजर भूमि |
| | % | 4.11 | 4.11 | 4.11 | 4.02 | 4.05 | प्रतिशत |
| 4 | Fallow Lands (A+B) | 24.60 | 25.18 | 26.32 | 24.85 | 26.18 | परती भूमि (क+ख) |
| (A) | Fallow Lands other than Current Fallows | 10.32 | 10.67 | 11.04 | 10.69 | 11.09 | मौजूदा परती भूमियों से भिन्न परती भूमि |
| | % | 3.36 | 3.47 | 3.59 | 3.47 | 3.60 | प्रतिशत |
| (B) | Current Fallows | 14.28 | 14.51 | 15.29 | 14.15 | 15.09 | मौजूदा परती भूमि |
| | % | 4.64 | 4.72 | 4.97 | 4.60 | 4.90 | प्रतिशत |
| 5 | Net Area Sown (6-7) | 141.56 | 140.98 | 139.94 | 141.43 | 140.13 | निवल बुआई क्षेत्रफल (6-7) |
| | % | 46.04 | 45.86 | 45.51 | 45.95 | 45.52 | प्रतिशत |
| 6 | Total Cropped Area (Gross Cropped Area) | 197.68 | 195.80 | 194.25 | 200.95 | 198.36 | कुल शस्य क्षेत्रफल (सकल शस्य क्षेत्रफल) |
| 7 | Area Sown more than once | 56.12 | 54.82 | 54.31 | 59.52 | 58.23 | क्षेत्रफल जिसमें एक से अधिक बार बुआई होती है |
| 8 | Cropping Intensity* | 139.64 | 138.88 | 138.81 | 142.09 | 141.55 | शस्य तीव्रता* |
| **III** | **Net Irrigated Area** | 63.67 | 65.71 | 66.29 | 68.12 | 68.38 | **निवल सिंचित क्षेत्र** |
| **IV** | **Gross Irrigated Area** | 88.94 | 91.79 | 92.25 | 95.77 | 96.46 | **सकल सिंचित क्षेत्र** |

Source: Directorate of Economics & Statistics, Department of Agriculture Cooperation & Farmers Welfare. स्रोत: आर्थिक एवं सांख्यिकी निदेशालय, कृषि सहयोग एवं किसान कल्याण विभाग

&: In 2009-10, there is significant decline in total cropped area and net area sown due to decline in net area sown in the states of Andhra Pradesh, Bihar, Jharkhand, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal. This was mainly due to deficient rainfall

* Cropping Intensity is percentage of the gross cropped area to the net area sown.

(P) - Provisional/अंनतिम

## Statement 2.32: Selected categories of agricultural land use in India

## विवरण 2.32 : भारत में कृषि भूमि प्रयोग की चुनिंदा श्रेणियां

(Million Hectares/मिलियन हेक्टेयर में)

| Year<br>वर्ष | Net area sown<br>निवल बुआई क्षेत्रफल | Total cropped area<br>शस्य भूमि का कुल क्षेत्रफल | Area sown more than once<br>क्षेत्रफल जिसमें एक से अधिक बार बुआई होती है | Net Irrigated Area<br>निवल सिंचित क्षेत्र | Gross Irrigated Area<br>सकल सिंचित क्षेत्र | Area Irrigated more than once<br>क्षेत्रफल जिसमें एक से अधिक बार सिंचाई होती है |
|---|---|---|---|---|---|---|
| 1950-51 | 118.75 | 131.89 | 13.15 | 20.85 | 22.56 | 1.71 |
| 1960-61 | 133.20 | 152.77 | 19.57 | 24.66 | 27.98 | 3.32 |
| 1970-71 | 140.86 | 165.79 | 24.93 | 31.10 | 38.20 | 7.09 |
| 1980-81 | 140.29 | 172.63 | 32.34 | 38.72 | 49.78 | 11.06 |
| 1990-91 | 143.00 | 185.74 | 42.74 | 48.02 | 63.20 | 15.18 |
| 2000-01 | 141.34 | 185.34 | 44.00 | 55.20 | 76.19 | 20.98 |
| 2001-02 | 140.73 | 188.01 | 47.28 | 56.94 | 78.37 | 21.43 |
| 2002-03 | 131.94 | 173.89 | 41.95 | 53.90 | 73.06 | 19.16 |
| 2003-04 | 140.71 | 189.66 | 48.95 | 57.06 | 78.04 | 20.98 |
| 2004-05 | 140.64 | 191.10 | 50.46 | 59.23 | 81.08 | 21.85 |
| 2005-06 | 141.16 | 192.74 | 51.58 | 60.84 | 84.28 | 23.44 |
| 2006-07 | 139.82 | 192.38 | 52.56 | 62.74 | 86.75 | 24.01 |
| 2007-08 | 141.02 | 195.22 | 54.21 | 63.19 | 88.06 | 24.87 |
| 2008-09 | 141.90 | 195.33 | 53.43 | 63.64 | 88.90 | 25.26 |
| 2009-10 | 139.17 | 189.19 | 50.02 | 61.94 | 85.09 | 23.14 |
| 2010-11 | 141.56 | 197.68 | 56.12 | 63.67 | 88.94 | 25.27 |
| 2011-12 | 140.98 | 195.80 | 54.82 | 65.71 | 91.79 | 26.08 |
| 2012-13 | 139.94 | 194.25 | 54.31 | 66.29 | 92.25 | 25.96 |
| 2013-14 | 141.43 | 200.95 | 59.52 | 68.12 | 95.77 | 27.66 |
| 2014-15 (P) | 140.13 | 198.36 | 58.23 | 68.38 | 96.46 | 28.07 |

Source: Land Use Statistics at a Glance , Directorate of Economics & Statistics, Department of Agriculture Cooperation & Farmers Welfare.

स्रोत: एक नज़र में भूमि प्रयोग सांख्यिकी, आर्थिक एवं सांख्यिकी निदेशालय, कृषि सहयोग और किसान कल्याण विभाग

(P) - Provisional/अंनतिम

**Statement 2.4.5 : Net area irrigated from different sources and gross irrigated area - All India**

## Statement 2.33: Net area irrigated from different sources and gross irrigated area - All India

## विवरण 2.33 : विभिन्न स्रोतों से निवल सिंचित क्षेत्रफल और सकल सिंचित क्षेत्रफल – अखिल भारत

(Thousand Hectares/हज़ार हेक्टेयर)

| Year वर्ष | Source of Irrigation/सिंचाई के स्रोत | | | | | | | Net Irrigated Area निवल सिंचित क्षेत्र | Gross Irrigated Area सकल सिंचित क्षेत्र | Area Irrigated More than once क्षेत्रफल जिसमें एक से अधिक बार सिंचाई होती है |
|---|---|---|---|---|---|---|---|---|---|---|
| | Canals /नहर | | | Tanks टैंक | Tube-Wells ट्यूबवेल | Other Wells अन्य कूप | Other source अन्य स्रोत | | | |
| | Govt. सरकारी | Private निजी | Total कुल | | | | | | | |
| 1996-97 | 16889 | 220 | 17109 | 2821 | 19338 | 12457 | 3388 | 55113 | 76025 | 20912 |
| 1997-98 | 17186 | 211 | 17397 | 2597 | 19680 | 12431 | 3106 | 55211 | 75670 | 20459 |
| 1998-99 | 17099 | 212 | 17311 | 2795 | 21394 | 12606 | 3329 | 57435 | 78670 | 21235 |
| 1999-00 | 17247 | 194 | 17441 | 2539 | 22042 | 12597 | 2912 | 57531 | 79216 | 21685 |
| 2000-01 | 15809 | 203 | 16012 | 2466 | 22566 | 11252 | 2909 | 55205 | 76187 | 20982 |
| 2001-02 | 14993 | 209 | 15202 | 2196 | 23245 | 11952 | 4342 | 56937 | 78371 | 21434 |
| 2002-03 | 13867 | 206 | 14073 | 1811 | 25627 | 8728 | 3659 | 53898 | 73056 | 19158 |
| 2003-04 | 14251 | 206 | 14458 | 1916 | 26691 | 9693 | 4299 | 57057 | 78042 | 20985 |
| 2004-05 | 14553 | 214 | 14766 | 1734 | 25235 | 9956 | 7538 | 59229 | 81078 | 21849 |
| 2005-06 | 16490 | 227 | 16718 | 2083 | 26025 | 10044 | 5966 | 60837 | 84279 | 23442 |
| 2006-07 | 16802 | 224 | 17027 | 2078 | 26942 | 10698 | 5999 | 62743 | 86752 | 24008 |
| 2007-08 | 16531 | 217 | 16748 | 1973 | 28496 | 9864 | 6107 | 63189 | 88057 | 24869 |
| 2008-09 | 16686 | 195 | 16881 | 1981 | 28366 | 10389 | 6020 | 63637 | 88895 | 25258 |
| 2009-10 | 14786 | 188 | 14975 | 1585 | 28370 | 9991 | 7024 | 61945 | 85087 | 23142 |
| 2010-11 | 15475 | 171 | 15646 | 1979 | 28543 | 10629 | 6869 | 63665 | 88940 | 25275 |
| 2011-12 | 15837 | 172 | 16008 | 1917 | 29943 | 10594 | 7245 | 65707 | 91786 | 26079 |
| 2012-13 | 15512 | 165 | 15677 | 1752 | 30543 | 10762 | 7552 | 66285 | 92247 | 25961 |
| 2013-14(P) | 16115 | 163 | 16278 | 1841 | 31128 | 11311 | 7557 | 68116 | 95771 | 27656 |
| 2014-15(P) | 16020 | 163 | 16182 | 1723 | 31606 | 11354 | 7519 | 68383 | 96457 | 28074 |

Source: Directorate of Economics & Statistics, Department of Agriculture & Cooperation, Ministry of Agriculture and Farmers' Welfare

स्रोत: आर्थिक एवं सांख्यिकी निदेशालय, कृषि एवं सहयोग विभाग, कृषि एंव किसान कल्याण मंत्रालय (P) - Provisional/अंनतिम

**Statement 2.34 :State wise area under organic farming (Registered under accredited certification bodies)**

**विवरण 2.34 : जैविक खेती के अधीन राज्यवार क्षेत्रफल (प्रत्यायित प्रमाणन संस्थाओं के तहत पंजीकृत)**

(area hectares/क्षेत्रफल हेक्टेयर में)

| State/UT | Certified cultivated organic Area 2013-14 प्रमाणित जैविक कृष्ट क्षेत्र 2013-14 | In-conversion cultivated Area रूपांतरण के अधीन कृष्ट क्षेत्र | Total area cultivated under certification process प्रमाणन प्रक्रिया के अधीन कुल कृष्ट क्षेत्र | Wild Area वन क्षेत्र | Total cultivated+Wild कुल कृष्ट+वन | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|
| Andhra Pradesh | 12325.03 | 6279.72 | 18604.75 | 2000.00 | 20604.75 | आंध्र प्रदेश |
| Arunachal Pradesh | 71.49 | 0.00 | 71.49 | 0.00 | 71.49 | अरुणाचल प्रदेश |
| Assam | 2828.26 | 45.33 | 2873.59 | 0.00 | 2873.59 | असम |
| Bihar | 180.60 | 1303.62 | 1484.22 | 0.00 | 1484.22 | बिहार |
| Chhattisgarh | 4113.25 | 126.93 | 4240.18 | 8000 | 12240.18 | छत्तीसगढ़ |
| Delhi | 0.83 | 138.82 | 139.65 | 0.00 | 139.65 | दिल्ली |
| Goa | 12853.94 | 259.05 | 13112.99 | 0.00 | 13112.99 | गोवा |
| Gujarat | 46863.89 | 6251.43 | 53115.32 | 0.00 | 53115.32 | गुजरात |
| Haryana | 3835.78 | 12420.54 | 16256.32 | 0.00 | 16256.32 | हरियाणा |
| Himachal Pradesh | 4686.05 | 1781.41 | 6467.46 | 627855.12 | 634322.58 | हिमाचल प्रदेश |
| Jammu & Kashmir | 10035.38 | 135.97 | 10171.35 | 0.00 | 10171.35 | जम्मू एवं कश्मीर |
| Jharkhand | 762.30 | 0.00 | 762.30 | 24300.00 | 25062.30 | झारखंड |
| Karnataka | 30716.21 | 10400.63 | 41116.84 | 69200.00 | 110316.84 | कर्नाटक |
| Kerala | 15020.23 | 2727.37 | 17747.60 | 0.00 | 17747.60 | केरल |
| Madhya Pradesh | 232887.36 | 27407.17 | 260294.53 | 2568209.00 | 2828503.53 | मध्य प्रदेश |
| Maharashtra | 85536.66 | 50298.44 | 135835.10 | 2500.00 | 138335.10 | महाराष्ट्र |
| Manipur | 0.00 | 455.30 | 455.30 | 0.00 | 455.30 | मणिपुर |
| Meghalaya | 373.13 | 855.62 | 1228.75 | 0.00 | 1228.75 | मेघालय |
| Mizoram | 0.00 | 8072.53 | 8072.53 | 0.00 | 8072.53 | मिजोरम |
| Nagaland | 5168.16 | 949.54 | 6117.70 | 0.00 | 6117.70 | नागालैंड |
| Odisha | 49813.51 | 6218.56 | 56032.07 | 1315.26 | 57347.32 | ओडिशा |
| Punjab | 1534.39 | 3907.56 | 5441.95 | 0.00 | 5441.95 | पंजाब |
| Rajasthan | 66020.35 | 9145.26 | 75165.61 | 151000.00 | 226165.61 | राजस्थान |
| Sikkim | 60843.51 | 27.30 | 60870.81 | 308.00 | 61178.81 | सिक्किम |
| Tamil Nadu | 3640.07 | 829.98 | 4470.05 | 30803.50 | 35273.55 | तमिलनाडु |
| Tripura | 203.56 | 144.83 | 348.39 | 0.00 | 348.39 | त्रिपुरा |
| Uttar Pradesh | 44670.10 | 23800.40 | 68470.50 | 70632.00 | 139102.50 | उत्तर प्रदेश |
| Uttarakhand | 24739.46 | 2073.03 | 26812.49 | 93879.20 | 120691.69 | उत्तराखंड |
| West Bengal | 2095.51 | 1110.78 | 3206.29 | 0.00 | 3206.29 | पश्चिम बंगाल |
| Andaman & Nicobar Island | 321.28 | 334.68 | 655.96 | 0.00 | 655.96 | अंडमान एवं निकोबार द्वीप समूह |
| Daman & Diu | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | दमन एवं दीव |
| Lakshadweep | 895.91 | 12.13 | 908.04 | 0.00 | 908.04 | लक्षद्वीप |
| Puducherry | 2.84 | | 2.84 | | 2.84 | पुदुचेरी |
| **Total** | **723039.04** | **177513.91** | **900552.95** | **3650002.08** | **4550555.03** | **कुल** |

Source: National Center of Organic Farming, Department of Agriculture & Cooperation, Ministry of Agriculture & Farmers Welfare

स्रोत: राष्ट्रीय जैविक कृषि केंद्र, कृषि एवं सहयोग विभाग, कृषि एवं किसान कल्याण मंत्रालय

**Statement 2.35: State wise area under organic certification (including in conversion)**

**विवरण 2.35 : जैविक प्रमाणन के अधीन राज्यवार क्षेत्रफल (वन्य शस्य सहित)**

(Area in Hectares/क्षेत्रफल हेक्टेयर में)

| State/UT | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|
| Andhra Pradesh | 5909.13 | 12325.03 | 20524.67 | 18251.586 | 17683.893 | आंध्र प्रदेश |
| Arunachal Pradesh | 231.49 | 71.49 | 3688.61 | 4185.26 | 4011.27 | अरुणाचल प्रदेश |
| Assam | 2299.212 | 2828.26 | 16258.02 | 28433.244 | 23870.399 | असम |
| Bihar | 9351.955 | 180.6 | 247.1 | 91.7 | 1.2 | बिहार |
| Chhattisgarh | 1887.64 | 4113.25 | 5163.53 | 10584.939 | 12712.137 | छत्तीसगढ़ |
| Delhi | 58.4 | 0.83 | 69.13 | 23.03 | 9.23 | दिल्ली |
| Goa | 8290.60 | 12853.94 | 15621.24 | 16957.593 | 15762.433 | गोवा |
| Gujarat | 45275.63 | 46863.89 | 49353.55 | 76813.064 | 64241.064 | गुजरात |
| Haryana | 7532.62 | 3835.78 | 6753.66 | 4869.048 | 5011.599 | हरियाणा |
| Himachal Pradesh | 3965.386 | 4686.05 | 10053.92 | 12759.125 | 12376.722 | हिमाचल प्रदेश |
| Jammu & Kashmir | 5121.141 | 10035.38 | 21111.22 | 25515.01 | 22608.315 | जम्मू एवं कश्मीर |
| Jharkhand | 254.946 | 762.3 | 24698.8 | 30363.733 | 26813.947 | झारखंड |
| Karnataka | 27191.273 | 30716.21 | 52473.16 | 93963.34 | 81089.096 | कर्नाटक |
| Kerala | 10568.409 | 15020.23 | 22980.9 | 25899.395 | 24812.778 | केरल |
| Madhya Pradesh | 144239.76 | 232887.36 | 397546.62 | 461774.726 | 464859.434 | मध्य प्रदेश |
| Maharashtra | 66504.92 | 85536.66 | 134524.27 | 198352.289 | 224007.521 | महाराष्ट्र |
| Manipur | 11.25 | 0 | 168.2 | 251.4 | 241.4 | मणिपुर |
| Meghalaya | 1780.49 | 373.13 | 1989.29 | 4609.422 | 9629.598 | मेघालय |
| Mizoram | 1182 | 0 | 764.24 | 213.8 | 210 | मिजोरम |
| Nagaland | 2916.96 | 5168.16 | 8362.43 | 6186.934 | 4699.934 | नागालैंड |
| Odisha | 18186.405 | 49813.51 | 81533.83 | 95896.981 | 92190.1 | ओडिशा |
| Punjab | 1601.474 | 1534.39 | 2677.58 | 961.203 | 1032.53 | पंजाब |
| Rajasthan | 38289.048 | 66020.35 | 107523.24 | 155020.273 | 151609.913 | राजस्थान |
| Sikkim | 43107.744 | 60843.51 | 76392.38 | 75851.211 | 75218.279 | सिक्किम |
| Tamil Nadu | 3066.977 | 3640.07 | 11964.08 | 14456.5 | 5712.796 | तमिलनाडु |
| Telangana | 0 | 0 | 2902.83 | 10355.587 | 9687.841 | तेलंगाना |
| Tripura | 209.726 | 203.56 | 203.56 | 203.56 | 203.56 | त्रिपुरा |
| Uttar Pradesh | 32889.853 | 44670.1 | 53954.84 | 61081.828 | 56249.385 | उत्तर प्रदेश |
| Uttarakhand | 20563.754 | 24739.46 | 36880.23 | 37221.387 | 30907.417 | उत्तराखंड |
| West Bengal | 1279.412 | 2095.51 | 16266.61 | 17890.412 | 5176.026 | पश्चिम बंगाल |
| Andaman & Nicobar Island | 321.28 | 321.28 | 321.28 | 0 | 0 | अंडमान एवं निकोबार द्वीप समूह |
| Lakshadweep | 350.688 | 895.91 | 895.52 | 895.521 | 895.523 | लक्षद्वीप |
| Puducherry | 0.00 | 2.84 | 2.84 | 2.835 | 2.835 | पुद्दुचेरी |
| **Total** | **504439.566** | **723039.04** | **1183871.38** | **1489935.936** | **1443538.175** | **कुल** |

Source: Data provided by the accredited certification bodies under National Programme for Organic Production (NPOP) on tracenet

स्रोत: राष्ट्रीय जैविक कृषि केंद्र, कृषि एवं सहयोग विभाग, कृषि एवं किसान कल्याण मंत्रालय

**Statement 2.36: Diversion of forest land for non-forest use since the enforcement of forest conservation act**

**विवरण 2.36 : वन संरक्षण अधिनियम के प्रवर्तन के कारण वन से भिन्न प्रयोग के लिए वन भूमि का विपथन**

(Area in ha./क्षेत्रफल हेक्टेयर में)

| Sl. No. क्र. सं. | Year वर्ष | Forest Area Diverted विपथित वन क्षेत्र | Cumulative Area Diverted संचयी विपथित क्षेत्र |
|---|---|---|---|
| 1 | 1980 | 9.30 | 9.30 |
| 2 | 1981 | 1328.96 | 1338.27 |
| 3 | 1982 | 3493.30 | 4831.57 |
| 4 | 1983 | 5106.01 | 9937.58 |
| 5 | 1984 | 9335.11 | 19272.69 |
| 6 | 1985 | 7574.75 | 26847.43 |
| 7 | 1986 | 8830.90 | 35678.33 |
| 8 | 1987 | 27048.94 | 62727.28 |
| 9 | 1988 | 19651.67 | 82378.95 |
| 10 | 1989 | 64142.84 | 146521.79 |
| 11 | 1990 | 127097.36 | 273619.15 |
| 12 | 1991 | 1196.64 | 274815.79 |
| 13 | 1992 | 8519.68 | 283335.47 |
| 14 | 1993 | 11134.58 | 294470.04 |
| 15 | 1994 | 14162.79 | 308632.83 |
| 16 | 1995 | 50766.05 | 359398.88 |
| 17 | 1996 | 30151.41 | 389550.29 |
| 18 | 1997 | 27050.00 | 416600.29 |
| 19 | 1998 | 10835.55 | 427435.84 |
| 20 | 1999 | 20446.93 | 447882.78 |
| 21 | 2000 | 17636.72 | 465519.49 |
| 22 | 2001 | 116786.53 | 582306.03 |
| 23 | 2002 | 30496.90 | 612802.93 |
| 24 | 2003 | 14692.88 | 627495.81 |
| 25 | 2004 | 27095.31 | 654591.12 |
| 26 | 2005 | 15979.11 | 670570.24 |
| 27 | 2006 | 17128.59 | 687698.83 |
| 28 | 2007 | 16545.25 | 704244.08 |
| 29 | 2008 | 16421.64 | 720665.72 |
| 30 | 2009 | 79975.66 | 800641.38 |
| 31 | 2010 | 23009.96 | 823651.34 |
| 32 | 2011 | 14240.99 | 837892.32 |
| 33 | 2012 | 10398.22 | 848290.54 |
| 34 | 2013 | 14696.38 | 862986.92 |
| 35 | 2014 | 18524.94 | 881511.87 |
| 36 | 2015 | 14953.09 | 896464.96 |
| 37 | 2016 | 8283.62 | 904748.58 |
| 38 | 2017 | 15102.97 | 919851.55 |
| 39 | 2018 | 59871.85 | 979723.40 |
| 40 | 2019 | 2055.28 | 981778.68 |

Source/स्रोत : **https://parivesh.nic.in** (During the Period : 25/10/1980 to 04/02/2019)

## Statement 2.37 : State-wise Carbon Stock in different forest carbon pools

## विवरण 2.37 : विभिन्न कार्बन पूल में राज्यवार कार्बन स्टॉक

(In 000' Tonnes per ha/ टन प्रति हे.)

| State | Area in sq km क्षेत्रफल वर्ग कि.मी. | AGB | BGB | Dead wood मृत लकड़ी | Litter कूड़ा-कर्कट | SOC | Total कुल | राज्य |
|---|---|---|---|---|---|---|---|---|
| Andhra Pradesh | 28,147 | 1,00,539 | 38,585 | 568 | 4,527 | 1,18,471 | 2,62,690 | आंध्र प्रदेश |
| | | #35.72 | #13.71 | #0.2 | #1.61 | #42.09 | #93.33 | |
| Arunachal Pradesh | 66,964 | 2,43,462 | 53,378 | 4,305 | 16,231 | 6,77,163 | 9,94,539 | अरुणाचल प्रदेश |
| | | #36.36 | #7.97 | #0.64 | #2.42 | #101.12 | #148.52 | |
| Assam | 28,105 | 47,343 | 10,824 | 1,093 | 5,240 | 1,12,352 | 1,76,852 | असम |
| | | #16.85 | #3.85 | #0.39 | #1.86 | #39.98 | #62.93 | |
| Bihar | 7,299 | 19,063 | 6,707 | 138 | 625 | 28,864 | 55,397 | बिहार |
| | | #26.12 | #9.19 | #0.19 | #0.86 | #39.55 | #75.9 | |
| Chhattisgarh | 55,547 | 2,06,678 | 68,159 | 2,588 | 7,628 | 2,75,927 | 5,60,980 | छत्तीसगढ़ |
| | | #37.21 | #12.27 | #0.47 | #1.37 | #49.67 | #100.99 | |
| Delhi | 192 | 230 | 52 | 2 | 11 | 653 | 948 | दिल्ली |
| | | #11.98 | #2.71 | #0.1 | #0.57 | #34.01 | #49.38 | |
| Goa | 2,229 | 5,153 | 1,512 | 250 | 417 | 11,684 | 19,016 | गोवा |
| | | #23.12 | #6.78 | #1.12 | #1.87 | #52.42 | #85.31 | |
| Gujarat | 14,757 | 32,668 | 11,719 | 322 | 993 | 64,995 | 1,10,697 | गुजरात |
| | | #22.14 | #7.94 | #0.22 | #0.67 | #44.04 | #75.01 | |
| Haryana | 1,588 | 3,736 | 1,269 | 20 | 74 | 7,312 | 12,411 | हरियाणा |
| | | #23.53 | #7.99 | #0.13 | #0.47 | #46.05 | #78.15 | |
| Himachal Pradesh | 15,100 | 70,655 | 18,691 | 739 | 2,511 | 83,186 | 1,75,782 | हिमाचल प्रदेश |
| | | #46.79 | #12.38 | #0.49 | #1.66 | #55.09 | #116.41 | |
| Jammu & Kashmir | 23,241 | 1,12,919 | 30,083 | 1,004 | 3,529 | 1,28,391 | 2,75,926 | जम्मू एवं कश्मीर |
| | | #48.59 | #12.94 | #0.43 | #1.52 | #55.24 | #118.72 | |
| Jharkhand | 23,553 | 86,006 | 33,173 | 438 | 1,298 | 1,01,967 | 2,22,882 | झारखंड |
| | | #36.52 | #14.08 | #0.19 | #0.55 | #43.29 | #94.63 | |
| Karnataka | 37,550 | 1,28,098 | 35,045 | 2,545 | 19,745 | 2,89,652 | 4,75,085 | कर्नाटक |
| | | #34.11 | #9.33 | #0.68 | #5.26 | #77.14 | #126.52 | |
| Kerala | 20,321 | 74,166 | 19,245 | 1,058 | 7,436 | 1,53,976 | 2,55,881 | केरल |
| | | #36.5 | #9.47 | #0.52 | #3.66 | #75.77 | #125.92 | |
| Madhya Pradesh | 77,414 | 2,66,040 | 1,01,516 | 1,654 | 7,741 | 3,18,713 | 6,95,664 | मध्य प्रदेश |
| | | #34.37 | #13.11 | #0.21 | #1 | #41.17 | #89.86 | |
| Maharashtra | 50,682 | 1,42,651 | 48,947 | 1,986 | 9,385 | 2,90,052 | 4,93,021 | महाराष्ट्र |
| | | #28.15 | #9.66 | #0.39 | #1.85 | #57.23 | #97.28 | |
| Manipur | 17,346 | 27,253 | 8,821 | 530 | 3,909 | 1,02,578 | 1,43,091 | मणिपुर |
| | | #15.71 | #5.09 | #0.31 | #2.25 | #59.14 | #82.49 | |
| Meghalaya | 17,146 | 25,168 | 6,835 | 881 | 5,184 | 1,17,772 | 1,55,840 | मेघालय |
| | | #14.68 | #3.99 | #0.51 | #3.02 | #68.69 | #90.89 | |
| Mizoram | 18,186 | 15,359 | 3,173 | 633 | 2,652 | 73,224 | 95,041 | मिजोरम |
| | | #8.45 | #1.74 | #0.35 | #1.46 | #40.26 | #52.26 | |
| Nagaland | 12,489 | 16,151 | 4,150 | 666 | 2,432 | 1,01,661 | 1,25,060 | नागालैंड |
| | | #12.93 | #3.32 | #0.53 | #1.95 | #81.4 | #100.14 | |

## Statement 2.37 : State-wise Carbon Stock in different forest carbon pools

## विवरण 2.37 : विभिन्न कार्बन पूल में राज्यवार कार्बन स्टॉक

(In 000' Tonnes per ha/ टन प्रति हे.)

| State | Area in sq km क्षेत्रफल वर्ग कि.मी. | AGB | BGB | Dead wood मृत लकड़ी | Litter कूड़ा-कर्कट | SOC | Total कुल | राज्य |
|---|---|---|---|---|---|---|---|---|
| Odisha | 51,345 | 1,52,525 | 50,407 | 2,108 | 9,087 | 2,38,776 | 4,52,903 | ओडिशा |
| | | #29.71 | #9.82 | #0.41 | #1.77 | #46.5 | #88.21 | |
| Punjab | 1,837 | 5,095 | 1,883 | 26 | 63 | 8,971 | 16,038 | पंजाब |
| | | #27.74 | #10.25 | #0.14 | #0.34 | #48.84 | #87.31 | |
| Rajasthan | 16,572 | 32,558 | 12,736 | 216 | 721 | 43,429 | 89,660 | राजस्थान |
| | | #19.65 | #7.69 | #0.13 | #0.44 | #26.21 | #54.1 | |
| Sikkim | 3,344 | 13,379 | 3,735 | 211 | 585 | 30,624 | 48,534 | सिक्किम |
| | | #40.01 | #11.17 | #0.63 | #1.75 | #91.58 | #145.14 | |
| Tamil Nadu | 26,281 | 84,067 | 29,252 | 1,006 | 5,579 | 1,09,434 | 2,29,338 | तमिलनाडु |
| | | #31.99 | #11.13 | #0.38 | #2.12 | #41.64 | #87.26 | |
| Telangana | 20,419 | 72,498 | 28,388 | 333 | 3,117 | 80,639 | 1,84,975 | तेलंगाना |
| | | #35.51 | #13.9 | #0.16 | #1.53 | #39.49 | #90.59 | |
| Tripura | 7,726 | 15,674 | 3,224 | 556 | 1,613 | 42,341 | 63,408 | त्रिपुरा |
| | | #20.29 | #4.17 | #0.72 | #2.09 | #54.8 | #82.07 | |
| Uttar Pradesh | 14,679 | 47,752 | 14,264 | 444 | 1,824 | 60,850 | 1,25,134 | उत्तर प्रदेश |
| | | #32.53 | #9.72 | #0.3 | #1.24 | #41.45 | #85.25 | |
| Uttarakhand | 24,295 | 1,05,173 | 26,961 | 1,316 | 5,665 | 1,45,549 | 2,84,664 | उत्तराखंड |
| | | #43.29 | #11.1 | #0.54 | #2.33 | #59.91 | #117.17 | |
| West Bengal | 16,847 | 45,382 | 13,916 | 434 | 2,585 | 1,00,884 | 1,63,201 | पश्चिम बंगाल |
| | | #26.94 | #8.26 | #0.26 | #1.53 | #59.88 | #96.87 | |
| Andaman & Nicobar Islands | 6,742 | 39,426 | 11,901 | 2,048 | 3,702 | 57,996 | 1,15,073 | अंडमान एवं निकोबार द्वीप समूह |
| | | #58.48 | #17.65 | #3.04 | #5.49 | #86.02 | #170.68 | |
| Chandigarh | 22 | 61 | 19 | 0 | 2 | 122 | 204 | चंडीगढ़ |
| | | #27.73 | #8.64 | 0 | #0.91 | #55.45 | #92.73 | |
| Dadra & Nagar Haveli | 207 | 447 | 106 | 10 | 35 | 827 | 1,425 | दादरा एवं नगर हवेली |
| | | #21.59 | #5.12 | #0.48 | #1.69 | #39.95 | #68.84 | |
| Daman & Diu | 20 | 11 | 2 | 0 | 2 | 76 | 91 | दमन एवं दीव |
| | | #5.5 | #1 | 0 | #1 | #38 | #45.5 | |
| Lakshadweep | 27 | 55 | *0 | 1 | 5 | 100 | 161 | लक्षद्वीप |
| | | #20.37 | 0 | #0.37 | #1.85 | #37.04 | #59.63 | |
| Puducherry | 54 | 108 | 23 | 1 | 8 | 311 | 451 | पुद्दुचेरी |
| | | #20 | #4.26 | #0.19 | #1.48 | #57.59 | #83.52 | |
| **Total** | **7,08,273** | **22,37,549** | **6,98,701** | **30,130** | **1,36,161** | **39,79,522** | **70,82,063** | **कुल** |
| | | **#31.59** | **#9.86** | **#0.43** | **#1.92** | **#56.19** | **#99.99** | |

Source :India State of Forest Report, 2017

स्रोत: भारतीय राज्य वन रिपोर्ट, 2017

* In Lakshadweep, most of the forest cover is of Cocos nucifera for which no suitable ratio for BGB is available.

* लक्षद्वीप में, अधिकांश वन आच्छादन कोकोस न्यूफेरा का है जिसके लिए बीजीबी के लिए कोई उपयुक्त अनुपात विवरण उपलब्ध नहीं है।

Note: # per ha stock in tonnes *AGB- Above Ground Biomass* *BGB- Below Ground Biomass* *SOC- Soil Organic Carbon*

**Statement 2.38: Forest type and density wise carbon stock in different carbon pools**

**विवरण 2.38 : वन के प्रकार एवं घनत्व के अनुसार विभिन्न कार्बन पूल में कार्बन स्टॉक**

(In 000' Tonnes/ टन)

| Forest Type Stratum | Density घनत्व | Area in sq km क्षेत्रफल वर्ग कि.मी. | AGB | BGB | Dead wood मृत लकड़ी | Litter कूड़ा-कर्कट | SOC | Total कुल | वन प्रकार परत |
|---|---|---|---|---|---|---|---|---|---|
| Tropical Wet Evergreen Forests | VDF | 8,761 | 57,107 | 19,754 | 3,173 | 4,969 | 82,619 | 1,67,622 | उष्णकटिबन्धीय तर सदाबहार वन |
| | | | #65.18 | #22.55 | #3.62 | #5.67 | #94.3 | #191.33 | |
| | MDF | 9,022 | 38,686 | 13,155 | 320 | 3,381 | 75,577 | 1,31,119 | |
| | | | #42.88 | #14.58 | #0.35 | #3.75 | #83.77 | #145.33 | |
| | OF | 3,089 | 4,210 | 1,549 | 74 | 867 | 22,629 | 29,329 | |
| | | | #13.63 | #5.01 | #0.24 | #2.81 | #73.26 | #94.95 | |
| Tropical Semi-Evergreen Forests | VDF | 19,475 | 1,11,801 | 22,995 | 3,541 | 9,187 | 2,49,478 | 3,97,002 | उष्णकटिबन्धीय अर्ध सदाबहार वन |
| | | | #57.41 | #11.81 | #1.82 | #4.72 | #128.1 | #203.85 | |
| | MDF | 43,671 | 1,29,997 | 26,738 | 1,583 | 14,889 | 3,45,448 | 5,18,655 | |
| | | | #29.77 | #6.12 | #0.36 | #3.41 | #79.1 | #118.76 | |
| | OF | 34,893 | 32,943 | 6,776 | 737 | 7,934 | 1,60,382 | 2,08,772 | |
| | | | #9.44 | #1.94 | #0.21 | #2.27 | #45.96 | #59.83 | |
| Tropical Moist Deciduous Forests | VDF | 24,606 | 91,484 | 18,816 | 2,881 | 6,912 | 1,83,781 | 3,03,874 | उष्णकटिबन्धीय नम पर्णपाती वन |
| | | | #37.18 | #7.65 | #1.17 | #2.81 | #74.69 | #123.5 | |
| | MDF | 72,288 | 1,83,409 | 37,723 | 5,957 | 24,850 | 4,46,233 | 6,98,172 | |
| | | | #25.37 | #5.22 | #0.82 | #3.44 | #61.73 | #96.58 | |
| | OF | 47,853 | 56,807 | 11,684 | 1,914 | 8,638 | 2,41,925 | 3,20,968 | |
| | | | #11.87 | #2.44 | #0.4 | #1.81 | #50.56 | #67.07 | |
| Littoral and Swamp Forests | VDF | 1,924 | 13,482 | 4,664 | 4 | 224 | 15,639 | 34,013 | समुद्रतटवर्ती एवं दलदल वन |
| | | | #70.07 | #24.24 | #0.02 | #1.16 | #81.28 | #176.78 | |
| | MDF | 2,318 | 10,093 | 3,491 | 5 | 157 | 13,253 | 26,999 | |
| | | | #43.54 | #15.06 | #0.02 | #0.68 | #57.17 | #116.48 | |
| | OF | 2,398 | 3,381 | 1,169 | 5 | 94 | 7,905 | 12,554 | |
| | | | #14.1 | #4.87 | #0.02 | #0.39 | #32.96 | #52.35 | |
| Tropical Dry Deciduous Forests | VDF | 23,480 | 1,46,704 | 57,605 | 1,075 | 15,231 | 1,39,076 | 3,59,691 | उष्णकटिबन्धीय शुष्क पर्णपाती वन |
| | | | #62.48 | #24.53 | #0.46 | #6.49 | #59.23 | #153.19 | |
| | MDF | 1,22,916 | 7,25,220 | 2,84,765 | 1,812 | 7,568 | 6,47,378 | 16,66,743 | |
| | | | #59 | #23.17 | #0.15 | #0.62 | #52.67 | #135.6 | |
| | OF | 1,33,111 | 1,70,285 | 66,864 | 1,750 | 5,573 | 3,99,438 | 6,43,910 | |
| | | | #12.79 | #5.02 | #0.13 | #0.42 | #30.01 | #48.37 | |
| Tropical Thorn Forests | VDF | 330 | 439 | 170 | 12 | 72 | 899 | 1,592 | उष्णकटिबन्धीय काँटेदार वन |
| | | | #13.3 | #5.15 | #0.36 | #2.18 | #27.24 | #48.24 | |
| | MDF | 3,547 | 4,168 | 1,624 | 89 | 467 | 10,701 | 17,049 | |
| | | | #11.75 | #4.58 | #0.25 | #1.32 | #30.17 | #48.07 | |
| | OF | 9,521 | 4,674 | 1,825 | 120 | 724 | 18,502 | 25,845 | |
| | | | #4.91 | #1.92 | #0.13 | #0.76 | #19.43 | #27.15 | |
| Tropical Dry Evergreen Forests | VDF | 141 | 685 | 269 | 17 | 14 | 1,255 | 2,240 | उष्णकटिबन्धीय शुष्क सदाबहार वन |
| | | | #48.58 | #19.08 | #1.21 | #0.99 | #89.01 | #158.87 | |
| | MDF | 492 | 1,640 | 644 | 18 | 94 | 2,087 | 4,483 | |
| | | | #33.33 | #13.09 | #0.37 | #1.91 | #42.42 | #91.12 | |
| | OF | 244 | 460 | 181 | 5 | 22 | 856 | 1,524 | |
| | | | #18.85 | #7.42 | #0.2 | #0.9 | #35.08 | #62.46 | |

**Statement 2.38: Forest type and density wise carbon stock in different carbon pools**

**विवरण 2.38 : वन के प्रकार एवं घनत्व के अनुसार विभिन्न कार्बन पूल में कार्बन स्टॉक**

(In 000' Tonnes/ टन)

| Forest Type Stratum | Density घनत्व | Area in sq km क्षेत्रफल वर्ग कि.मी. | AGB | BGB | Dead wood मृत लकड़ी | Litter कूड़ा-कर्कट | SOC | Total कुल | वन प्रकार परत |
|---|---|---|---|---|---|---|---|---|---|
| Subtropical Broadleaved Hill Forest | VDF | 1,948 | 6,463 | 2,098 | 185 | 368 | 23,677 | 32,791 | उपोष्णकटिबंधीय चौड़ी पत्तीदार पहाड़ी वन |
| | | | #33.18 | #10.77 | #0.95 | #1.89 | #121.55 | #168.33 | |
| | MDF | 8,590 | 19,512 | 7,219 | 314 | 2,417 | 72,680 | 1,02,142 | |
| | | | #22.71 | #8.4 | #0.37 | #2.81 | #84.61 | #118.91 | |
| | OF | 8,621 | 13,648 | 5,282 | 173 | 1,606 | 59,996 | 80,705 | |
| | | | #15.83 | #6.13 | #0.2 | #1.86 | #69.59 | #93.61 | |
| Subtropical Pine Forests | VDF | 2,069 | 10,007 | 2,526 | 248 | 298 | 19,554 | 32,633 | उपोष्णकटिबंधीय देवदार वन |
| | | | #48.37 | #12.21 | #1.2 | #1.44 | #94.51 | #157.72 | |
| | MDF | 9,908 | 30,154 | 7,611 | 363 | 1,293 | 62,773 | 1,02,194 | |
| | | | #30.43 | #7.68 | #0.37 | #1.31 | #63.36 | #103.14 | |
| | OF | 7,917 | 16,678 | 4,210 | 159 | 728 | 40,761 | 62,536 | |
| | | | #21.07 | #5.32 | #0.2 | #0.92 | #51.49 | #78.99 | |
| Subtropical Dry Evergreen Forest | VDF | 7 | 40 | 16 | 1 | 0 | 79 | 136 | उपोष्णकटिबंधीय शुष्क सदाबहार वन |
| | | | #57.14 | #22.86 | #1.43 | 0 | #112.86 | #194.29 | |
| | MDF | 61 | 245 | 96 | 2 | 3 | 582 | 928 | |
| | | | #40.16 | #15.74 | #0.33 | #0.49 | #95.41 | #152.13 | |
| | OF | 115 | 347 | 136 | 2 | 4 | 610 | 1,099 | |
| | | | #30.17 | #11.83 | #0.17 | #0.35 | #53.04 | #95.57 | |
| Montane Wet Temperate Forests | VDF | 1,795 | 7,385 | 1,864 | 245 | 435 | 16,376 | 26,305 | पर्वतीय तर समशीतोष्ण वन |
| | | | #41.14 | #10.38 | #1.36 | #2.42 | #91.23 | #146.55 | |
| | MDF | 1,759 | 4,684 | 1,182 | 64 | 341 | 13,326 | 19,597 | |
| | | | #26.63 | #6.72 | #0.36 | #1.94 | #75.76 | #111.41 | |
| | OF | 1,431 | 1,364 | 344 | 29 | 232 | 8,245 | 10,214 | |
| | | | #9.53 | #2.4 | #0.2 | #1.62 | #57.62 | #71.38 | |
| Himalayan Moist Temperate Forest | VDF | 8,480 | 61,887 | 15,622 | 1,156 | 2,548 | 70,853 | 1,52,066 | हिमालयी नम समशीतोष्ण वन |
| | | | #72.98 | #18.42 | #1.36 | #3 | #83.55 | #179.32 | |
| | MDF | 13,376 | 74,476 | 18,799 | 489 | 3,393 | 97,859 | 1,95,016 | |
| | | | #55.68 | #14.05 | #0.37 | #2.54 | #73.16 | #145.8 | |
| | OF | 7,360 | 19,568 | 4,940 | 148 | 1,466 | 41,935 | 68,057 | |
| | | | #26.59 | #6.71 | #0.2 | #1.99 | #56.98 | #92.47 | |
| Himalayan Dry Temperate Forests | VDF | 1,376 | 15,403 | 4,176 | 165 | 236 | 13,469 | 33,449 | हिमालयी शुष्क समशीतोष्ण वन |
| | | | #111.94 | #30.35 | #1.2 | #1.72 | #97.89 | #243.09 | |
| | MDF | 2,144 | 12,342 | 3,346 | 78 | 316 | 14,199 | 30,281 | |
| | | | #57.57 | #15.61 | #0.36 | #1.47 | #66.23 | #141.24 | |
| | OF | 1,663 | 6,313 | 1,711 | 33 | 145 | 6,914 | 15,116 | |
| | | | #37.96 | #10.29 | #0.2 | #0.87 | #41.58 | #90.9 | |
| Sub-Alpine Forests | VDF | 2,991 | 21,159 | 5,737 | 358 | 558 | 32,990 | 60,802 | उप अल्पाइन वन |
| | | | #70.74 | #19.18 | #1.2 | #1.87 | #110.3 | #203.28 | |
| | MDF | 5,416 | 22,514 | 6,104 | 198 | 534 | 35,477 | 64,827 | |
| | | | #41.57 | #11.27 | #0.37 | #0.99 | #65.5 | #119.7 | |
| | OF | 4,517 | 13,891 | 3,766 | 91 | 291 | 20,507 | 38,546 | |
| | | | #30.75 | #8.34 | #0.2 | #0.64 | #45.4 | #85.34 | |

**Statement 2.38: Forest type and density wise carbon stock in different carbon pools**

**विवरण 2.38 : वन के प्रकार एवं घनत्व के अनुसार विभिन्न कार्बन पूल में कार्बन स्टॉक**

(In 000' Tonnes/ टन)

| Forest Type Stratum | Density घनत्व | Area in sq km क्षेत्रफल वर्ग कि.मी. | AGB | BGB | Dead wood मृत लकड़ी | Litter कूड़ा-कर्कट | SOC | Total कुल | वन प्रकार परत |
|---|---|---|---|---|---|---|---|---|---|
| Moist Alpine Scrubs | VDF | 208 | 1,044 | 283 | 25 | 19 | 1,643 | 3,014 | नम अल्पाइन झाड़ियां |
| | | | #50.19 | #13.61 | #1.2 | #0.91 | #78.99 | #144.9 | |
| | MDF | 417 | 1,169 | 317 | 15 | 35 | 2,915 | 4,451 | |
| | | | #28.03 | #7.6 | #0.36 | #0.84 | #69.9 | #106.74 | |
| | OF | 516 | 879 | 238 | 10 | 34 | 2,605 | 3,766 | |
| | | | #17.03 | #4.61 | #0.19 | #0.66 | #50.48 | #72.98 | |
| Dry Alpine Scrub | VDF | 195 | 1,588 | 431 | 23 | 23 | 1,687 | 3,752 | शुष्क अल्पाइन झाड़ियां |
| | | | #81.44 | #22.1 | #1.18 | #1.18 | #86.51 | #192.41 | |
| | MDF | 444 | 1,415 | 384 | 16 | 53 | 3,621 | 5,489 | |
| | | | #31.87 | #8.65 | #0.36 | #1.19 | #81.55 | #123.63 | |
| | OF | 986 | 2,843 | 771 | 20 | 99 | 2,757 | 6,490 | |
| | | | #28.83 | #7.82 | #0.2 | #1 | #27.96 | #65.82 | |
| Plantation/TOF | VDF | 372 | 1,456 | 300 | 2 | 77 | 3,373 | 5,208 | बागान/टीओएफ |
| | | | #39.14 | #8.06 | #0.05 | #2.07 | #90.67 | #140 | |
| | MDF | 11,949 | 35,774 | 7,350 | 427 | 2,797 | 89,464 | 1,35,812 | |
| | | | #29.94 | #6.15 | #0.36 | #2.34 | #74.87 | #113.66 | |
| | OF | 37,562 | 45,623 | 9,381 | 0 | 3,946 | 1,53,537 | 2,12,487 | |
| | | | #12.15 | #2.5 | 0 | #1.05 | #40.88 | #56.57 | |
| **Total** | | **7,08,273** | **22,37,546** | **6,98,701** | **30,131** | **1,36,162** | **39,79,525** | **70,82,065** | कुल |
| | | | **#31.59** | **#9.86** | **#0.43** | **#1.92** | **#56.19** | **#99.99** | |

Source :India State of Forest Report, 2017

स्रोत: भारतीय राज्य वन रिपोर्ट, 2017

Note: # per ha stock in tonnes

AGB- Above Ground Biomass

VDF: Very Dense Forest

BGB- Below Ground Biomass

MDF : Moderatly Dense Forest

SOC- Soil Organic Carbon

OF : Other Forests

## Statement 2.39 : State-wise growing stock
## विवरण 2.39 : राज्यवार बढ़ता भंडार

| State/UT<br>राज्य/संघ राज्य क्षेत्र | Geographical Area (sq km)<br>भौगोलिक क्षेत्रफल (वर्ग कि.मी.) | Recorded Forest Area (sq km)<br>अभिलेखित वन क्षेत्रफल(वर्ग कि.मी.) | Volume of Growing Stock (million cum)<br>बढ़ते भंडार का आयतन (मिलियन घनमीटर में) | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|
| | | | In Forest<br>वन में | In Tree Outside Forest<br>वन के बाहर वृक्ष में | Total<br>कुल | |
| Andhra Pradesh | 1,62,968 | 37,258 | 156.0 | 62.3 | 218.4 | आंध्र प्रदेश |
| Arunachal Pradesh | 83,743 | 51,407 | 420.8 | 90.7 | 511.5 | अरुणाचल प्रदेश |
| Assam | 78,438 | 26,832 | 133.1 | 30.2 | 163.3 | असम |
| Bihar | 94,163 | 6,877 | 28.5 | 37.5 | 66.0 | बिहार |
| Chhattisgarh | 1,35,192 | 59,772 | 323.7 | 86.3 | 410.0 | छत्तीसगढ़ |
| Delhi | 1,483 | 102 | 0.5 | 1.3 | 1.8 | दिल्ली |
| Goa | 3,702 | 1,225 | 9.5 | 3.8 | 13.3 | गोवा |
| Gujarat | 1,96,244 | 21,647 | 52.0 | 114.0 | 166.0 | गुजरात |
| Haryana | 44,212 | 1,559 | 5.4 | 15.5 | 20.9 | हरियाणा |
| Himachal Pradesh | 55,673 | 37,033 | 315.6 | 23.2 | 338.8 | हिमाचल प्रदेश |
| Jammu & Kashmir | 2,22,236 | 20,230 | 232.8 | 146.1 | 378.9 | जम्मू एवं कश्मीर |
| Jharkhand | 79,716 | 23,605 | 117.1 | 64.4 | 181.5 | झारखंड |
| Karnataka | 1,91,791 | 38,284 | 327.7 | 89.6 | 417.2 | कर्नाटक |
| Kerala | 38,852 | 11,309 | 167.1 | 51.9 | 219.0 | केरल |
| Madhya Pradesh | 3,08,252 | 94,689 | 285.6 | 97.5 | 383.1 | मध्य प्रदेश |
| Maharashtra | 3,07,713 | 61,579 | 252.6 | 164.5 | 417.1 | महाराष्ट्र |
| Manipur | 22,327 | 17,418 | 53.2 | 7.8 | 61.0 | मणिपुर |
| Meghalaya | 22,429 | 9,496 | 38.7 | 17.3 | 56.0 | मेघालय |
| Mizoram | 21,081 | 5,641 | 19.1 | 42.8 | 61.8 | मिजोरम |
| Nagaland | 16,579 | 8,623 | 36.9 | 11.4 | 48.3 | नागालैंड |
| Odisha | 1,55,707 | 61,204 | 258.0 | 81.5 | 339.6 | ओडिशा |
| Punjab | 50,362 | 3,084 | 12.9 | 20.0 | 33.0 | पंजाब |
| Rajasthan | 3,42,239 | 32,737 | 46.3 | 81.9 | 128.1 | राजस्थान |
| Sikkim | 7,096 | 5,841 | 26.3 | 2.0 | 28.2 | सिक्किम |
| Tamil Nadu | 1,30,060 | 22,877 | 127.8 | 66.3 | 194.1 | तमिलनाडु |
| Telengana | 1,12,077 | 26,904 | 60.5 | 39.7 | 100.1 | तेलंगाना |
| Tripura | 10,486 | 6,294 | 21.7 | 6.5 | 28.2 | त्रिपुरा |
| Uttar Pradesh | 2,40,928 | 16,582 | 135.8 | 88.3 | 224.2 | उत्तर प्रदेश |
| Uttarakhand | 53,483 | 38,000 | 418.3 | 19.9 | 438.2 | उत्तराखंड |
| West Bengal | 88,752 | 11,879 | 76.6 | 38.1 | 114.7 | पश्चिम बंगाल |
| Andaman & Nicobar Islands | 8,249 | 7,171 | 55.9 | 0.6 | 56.5 | अंडमान एवं निकोबार द्वीप समूह |
| Chandigarh | 114 | 35 | 0.3 | 0.1 | 0.4 | चंडीगढ़ |
| Dadra & Nagar Haveli | 491 | 204 | 1.9 | 0.8 | 2.6 | दादरा एवं नगर हवेली |
| Daman & Diu | 111 | 8 | 0.0 | 0.1 | 0.1 | दमन एवं दीव |
| Lakshadweep | 30 | 0 | 0.0 | 0.1 | 0.1 | लक्षद्वीप |
| Puducherry | 490 | 13 | 0.1 | 0.3 | 0.4 | पुद्दुचेरी |
| **Total** | **3287469*** | **767419*** | **4218.4** | **1604.0** | **5822.4** | **कुल** |

Source :India State of Forest Report, 2017 स्रोत: भारतीय राज्य वन रिपोर्ट, 2017

*: Includes Jammu & Kashmir area outside LoC that is under illegal occupation of Pakistan and China.

**Statement 2.40 : Physiographic zone wise growing stock**

**विवरण 2.40 : प्राकृतिक भौगोलिक अंचलवार बढ़ता भंडार**

| Physiographic Zone | Areas of Phy. Zone (sqkm) प्राकृतिक भौगोलिक अंचल (वर्ग कि.मी.) | Growing Stock (million cum) बढ़ता भंडार (मिलियन घनमीटर) | | | प्राकृतिक भौगोलिक अंचल |
|---|---|---|---|---|---|
| | | Forest वन | TOF टीओएफ | Total कुल | |
| Western Himalayas | 3,28,952 | 960.0 | 189.5 | 1149.5 | पश्चिमी हिमालय |
| Eastern Himalayas | 81,752 | 391.6 | 82.3 | 473.9 | पूर्वी हिमालय |
| North East Ranges | 1,27,857 | 287.2 | 114.1 | 401.3 | पूर्वोत्तर की पहाड़ियां |
| Northern Plains | 2,95,909 | 141.1 | 108.9 | 250.0 | उत्तरी मैदान |
| Eastern Plains | 2,22,365 | 178.3 | 76.8 | 255.2 | पूर्वी मैदान |
| Western Plains | 3,20,507 | 11.3 | 60.5 | 71.7 | पश्चिमी मैदान |
| Central Highlands | 3,71,281 | 135.9 | 118.3 | 254.2 | मध्य पहाड़ी मैदान |
| North Deccan | 3,65,711 | 293.7 | 106.1 | 399.8 | उत्तरी डेक्कन |
| East Deccan | 3,33,824 | 671.5 | 237.9 | 909.4 | पूर्वी डेक्कन |
| South Deccan | 2,91,317 | 219.3 | 112.7 | 332.0 | दक्षिणी डेक्कन |
| Western Ghats | 73,681 | 423.1 | 117.7 | 540.8 | पश्चिमी घाट |
| Eastern Ghats | 1,92,068 | 272.2 | 66.0 | 338.3 | पूर्वी घाट |
| West Coast | 1,13,611 | 150.2 | 136.8 | 287.0 | पश्चिमी तट |
| East Coast | 1,68,634 | 83.0 | 76.5 | 159.4 | पूर्वी तट |
| **Total** | **32,87,469** | **4218.4** | **1604.0** | **5822.4** | **कुल** |
| **Growing stock ( ISFR 2015)** | | **4195.0** | **1573.3** | **5768.4** | **बढ़ता भंडार (आईएसएफआर 2015)** |
| **Change** | | **23.3** | **30.7** | **54.0** | **परिवर्तन** |

Source :India State of Forest Report, 2017

स्रोत: भारतीय राज्य वन रिपोर्ट, 2017

TOF : Tree outside forest

## Statement 2.41: Year Wise Fish Production-India
## विवरण 2.41 : वर्षवार मछली उत्पादन - भारत

(in lakh tonnes/लाख टन में)

| Sl No. क्र. सं. | Year वर्ष | Marine समुद्री | Inland अंतर्देशीय | Total कुल |
|---|---|---|---|---|
| 1 | 1950-51 | 5.34 | 2.18 | 7.52 |
| 2 | 1960-61 | 8.80 | 2.80 | 11.60 |
| 3 | 1970-71 | 10.86 | 6.70 | 17.56 |
| 4 | 1980-81 | 15.55 | 8.87 | 24.42 |
| 1 | 1990-91 | 23.00 | 15.36 | 38.36 |
| 11 | 2000-01 | 28.11 | 28.45 | 56.56 |
| 12 | 2001-02 | 28.30 | 31.26 | 59.56 |
| 13 | 2002-03 | 29.90 | 32.10 | 62.00 |
| 14 | 2003-04 | 29.41 | 34.58 | 63.99 |
| 15 | 2004-05 | 27.79 | 35.25 | 63.04 |
| 16 | 2005-06 | 28.16 | 37.56 | 65.72 |
| 17 | 2006-07 | 30.24 | 38.45 | 68.69 |
| 18 | 2007-08 | 29.20 | 42.07 | 71.27 |
| 19 | 2008-09 | 29.78 | 46.38 | 76.16 |
| 20 | 2009-10 | 31.04 | 48.94 | 79.98 |
| 21 | 2010-11 | 32.50 | 49.81 | 82.31 |
| 22 | 2011-12 | 33.72 | 52.95 | 86.67 |
| 23 | 2012-13 | 33.21 | 57.20 | 90.41 |
| 24 | 2013-14 | 34.43 | 61.36 | 95.79 |
| 25 | 2014-15 | 35.69 | 66.91 | 102.60 |
| 26 | 2015-16 | 36.00 | 71.62 | 107.62 |
| 27 | 2016-17 | 36.41 | 77.81 | 114.22 |
| 28 | 2017-18 | 36.88 | 89.17 | 126.05 |

Source : Annual Report -2017-18, Department of Animal Husbandry ,Dairying and Fisheries
स्रोत : वार्षिक रिपोर्ट 2017-18, पशुपालन, डेयरी एवं मछली पालन विभाग

## Statement 2.42: State-wise Fish Production
## विवरण 2.42 : राज्यवार मछली उत्पादन

(in '000 tonnes/ 000'टन में))

| Sl. No. क्र. सं. | State | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 1368.20 | 1603.17 | 1808.08 | 2018.42 | 1978.58 | 2352.26 | 2766.19 | 3449.56 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 3.15 | 3.30 | 3.71 | 3.62 | 4.00 | 4.05 | 4.11 | 4.25 | अरुणाचल प्रदेश |
| 3 | Assam | 227.24 | 228.62 | 254.27 | 266.70 | 282.70 | 294.20 | 306.60 | 327.26 | असम |
| 4 | Bihar | 299.91 | 344.47 | 400.14 | 432.30 | 479.80 | 506.89 | 510.00 | 587.85 | बिहार |
| 5 | Chhattisgarh | 228.21 | 250.70 | 255.61 | 284.96 | 314.16 | 342.30 | 376.80 | 457.17 | छत्तीसगढ़ |
| 6 | Delhi | 0.82 | 0.74 | 0.69 | 0.88 | 0.68 | 0.71 | 0.72 | 0.80 | दिल्ली |
| 7 | Goa | 93.27 | 89.96 | 77.88 | 114.06 | 117.98 | 111.91 | 117.89 | 124.61 | गोवा |
| 8 | Gujarat | 774.90 | 783.72 | 788.49 | 798.46 | 809.93 | 809.56 | 812.10 | 819.07 | गुजरात |
| 9 | Haryana | 96.20 | 106.00 | 111.48 | 105.58 | 111.20 | 121.00 | 144.21 | 190.00 | हरियाणा |
| 10 | Himachal Pradesh | 7.38 | 8.05 | 8.56 | 9.83 | 10.74 | 11.80 | 12.48 | 12.77 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 19.70 | 19.85 | 19.95 | 20.00 | 20.30 | 20.08 | 18.80 | 20.70 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 71.89 | 91.68 | 96.60 | 104.82 | 106.43 | 116.00 | 145.16 | 190.00 | झारखंड |
| 13 | Karnataka | 526.58 | 546.44 | 525.57 | 555.31 | 613.24 | 580.57 | 557.49 | 602.52 | कर्नाटक |
| 14 | Kerala | 681.61 | 693.21 | 679.74 | 708.65 | 726.01 | 727.51 | 608.72 | 562.62 | केरल |
| 15 | Madhya Pradesh | 56.45 | 75.41 | 85.16 | 96.26 | 109.12 | 115.02 | 138.69 | 143.42 | मध्य प्रदेश |
| 16 | Maharashtra | 595.25 | 578.79 | 586.37 | 602.68 | 608.07 | 579.69 | 662.91 | 606.01 | महाराष्ट्र |
| 17 | Manipur | 20.20 | 22.22 | 24.50 | 28.54 | 30.50 | 32.04 | 32.00 | 33.00 | मणिपुर |
| 18 | Meghalaya | 4.56 | 4.77 | 5.42 | 5.75 | 6.04 | 11.34 | 12.33 | 11.96 | मेघालय |
| 19 | Mizoram | 2.90 | 2.93 | 5.43 | 5.94 | 6.39 | 6.83 | 7.63 | 7.64 | मिजोरम |
| 20 | Nagaland | 6.59 | 6.84 | 7.13 | 7.47 | 7.84 | 8.22 | 8.61 | 8.99 | नागालैंड |
| 21 | Odisha | 386.19 | 381.18 | 410.14 | 413.79 | 469.55 | 521.28 | 608.10 | 684.96 | ओडिशा |

## Statement 2.42: State-wise Fish Production
## विवरण 2.42 : राज्यवार मछली उत्पादन

(in '000 tonnes/ 000'टन में))

| Sl. No. क्र. सं. | State | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|
| 22 | Punjab | 97.04 | 97.62 | 99.13 | 104.02 | 114.77 | 120.09 | 112.13 | 136.64 | पंजाब |
| 23 | Rajasthan | 28.20 | 47.85 | 55.16 | 35.10 | 46.31 | 42.46 | 50.20 | 54.04 | राजस्थान |
| 24 | Sikkim | 0.18 | 0.28 | 0.49 | 0.42 | 0.44 | 0.40 | 0.40 | 0.38 | सिक्किम |
| 25 | Tamil Nadu | 614.81 | 611.49 | 620.40 | 624.30 | 697.61 | 709.16 | 669.31 | 712.04 | तमिलनाडु |
| 26 | Telangana | | | | | 268.36 | 236.75 | 198.92 | 270.04 | तेलंगाना |
| 27 | Tripura | 49.23 | 53.34 | 57.46 | 61.95 | 65.16 | 69.06 | 72.45 | 76.80 | त्रिपुरा |
| 28 | Uttar Pradesh | 417.48 | 429.72 | 449.75 | 464.48 | 494.27 | 504.81 | 617.69 | 628.75 | उत्तर प्रदेश |
| 29 | Uttarakhand | 3.82 | 3.83 | 3.85 | 3.89 | 3.94 | 4.14 | 4.30 | 4.58 | उत्तराखंड |
| 30 | West Bengal | 1443.26 | 1472.05 | 1490.02 | 1580.65 | 1617.32 | 1671.42 | 1701.82 | 1742.09 | पश्चिम बंगाल |
| 31 | Andaman & Nicobar Island | 33.92 | 35.26 | 36.62 | 36.95 | 37.18 | 37.33 | 38.81 | 39.50 | अंडमान एवं निकोबार द्वीप समूह |
| 32 | Chandigarh | 0.24 | 0.10 | 0.05 | 0.11 | 0.12 | 0.13 | 0.13 | 0.14 | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.00 | 0.00 | 0.00 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 16.98 | 17.43 | 19.01 | 19.86 | 31.82 | 23.03 | 24.02 | 24.68 | दमन एवं दीव |
| 35 | Lakshadweep | 12.37 | 12.37 | 12.37 | 18.72 | 13.17 | 15.94 | 29.80 | 20.77 | लक्षद्वीप |
| 36 | Puducherry | 41.95 | 42.40 | 41.07 | 42.08 | 47.40 | 64.04 | 50.25 | 49.92 | पुदुचेरी |
| **Total** | | **8230.71** | **8666.49** | **9040.34** | **9572.27** | **10251.16** | **10761.76** | **11421.77** | **12605.53** | **कुल** |

Source: Annual Report-2017-18, Department of Animal Husbandry ,Dairying and Fisheries, Ministry of Agriculture and Farmers Welfare

स्रोत: वार्षिक रिपोर्ट 2017-18, पशुपालन, डेयरी एवं मछली पालन विभाग, कृषि एवं किसान कल्याण मंत्रालय

## Statement 2.43: Area under major crops

## विवरण 2.43 : प्रमुख फसलों के तहत क्षेत्रफल

(Thousand Hectares/हजार हेक्टेयर में)

| Year वर्ष | FOODGRAINS खाद्यान्न | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rice चावल | Jowar ज्वार | Bajra बाजरा | Maize मक्का | Ragi/ Marua रागी/मरुआ | Wheat गेहूँ | Barley जौ | Other Cereals & Millets अन्य अनाज एवं मोटा अनाज | Total Cereals & Millets कुल अनाज एवं मोटा अनाज | Gram चना | Tur or Arhar तूर या अरहर | Other pulses (Excl. Gram & Tur or Arhar) अन्य दलहन (चना एवं तूर या अरहर को छोड़कर) | Total Pulses कुल दलहन | Total Foodgrains कुल खाद्यान्न |
| 1950-51 | 31056 | 15554 | 9744 | 3250 | 2254 | 10010 | 3198 | 5576 | 80642 | 7803 | 2228 | 10523 | 20554 | 101196 |
| 1960-61 | 34056 | 18426 | 11470 | 4401 | 2478 | 12931 | 3140 | 4997 | 91899 | 9274 | 2429 | 11962 | 23665 | 115564 |
| 1970-71 | 37381 | 16871 | 13391 | 5856 | 2474 | 18293 | 2556 | 4962 | 101784 | 7820 | 2639 | 12667 | 23126 | 124910 |
| 1980-81 | 40237 | 16412 | 11658 | 6032 | 2504 | 22225 | 1799 | 4033 | 104900 | 6547 | 2877 | 13284 | 22708 | 127608 |
| 1990-91 | 42744 | 14158 | 10735 | 5893 | 2145 | 24046 | 972 | 2372 | 103065 | 7471 | 3609 | 13803 | 24883 | 127948 |
| 2000-01 | 44761 | 9915 | 10022 | 6805 | 1816 | 25797 | 789 | 1449 | 101354 | 5318 | 3665 | 12343 | 21326 | 122680 |
| 2004-05 | 41907 | 9092 | 9233 | 7430 | 1553 | 26383 | 617 | 1101 | 97315.1 | 6715 | 3519 | 12530 | 22763 | 120078 |
| 2009-10 | 41918 | 7787 | 8904 | 8262 | 1268 | 28457 | 624 | 831 | 98050.8 | 8169 | 3466 | 11647 | 23282 | 121332 |
| 2010-11 | 42863 | 7382 | 9612 | 8553 | 1286 | 29069 | 705 | 800 | 100270 | 9186 | 4367 | 12849 | 26402 | 126672 |
| 2011-12 | 44006 | 6245 | 8777 | 8782 | 1176 | 29865 | 643 | 799 | 100293 | 8299 | 4007 | 12156 | 24462 | 124755 |
| 2012-13 | 42754 | 6214 | 7297 | 8673 | 1131 | 29995 | 695 | 754 | 97514 | 8522 | 3893 | 10842 | 23257 | 120771 |
| 2013-14 | 44136 | 5793 | 7811 | 9066 | 1194 | 30473 | 674 | 682 | 99829 | 9927 | 3905 | 11379 | 25211 | 125040 |
| 2014-15 | 44111 | 6161 | 7318 | 9185 | 1208 | 31466 | 707 | 590 | 100746 | 8251 | 3854 | 11448 | 23553 | 124299 |
| 2015-16 | 43499 | 6077 | 7129 | 8806 | 1138 | 30418 | 589 | 650 | 98306 | 8399 | 3963 | 12549 | 24911 | 123217 |
| 2016-17 | 43993 | 5624 | 7459 | 9633 | 1016 | 30785 | 656 | 619 | 99786 | 9626 | 5338 | 14481 | 29445 | 129231 |
| 2017-18* | 43789 | 4965 | 7383 | 9472 | 1199 | 29576 | 662 | 525 | 97570 | 10561 | 4431 | 15002 | 29993 | 127563 |

Sources: Directorate of Economics and Statistics, Ministry of Agriculture and Farmers Welfare

* As per 4th Advance Estimates

स्रोत : आर्थिक एवं सांख्यिकी निदेशालय, कृषि एवं किसान कल्याण मंत्रालय

## Statement 2.44 : Production of major crops
## विवरण 2.44 : प्रमुख फसलों का उत्पादन

(as on 26.09.2018) (in Million Tonnes/मिलियन टन में)

| S. No. क्र. सं. | Crop | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18* | 2018-19$ | फसल |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Rice | 91.8 | 93.4 | 96.7 | 99.2 | 89.1 | 96.0 | 105.3 | 105.2 | 106.7 | 105.5 | 104.4 | 109.7 | 112.9 | 99.2 | चावल |
| 2 | Wheat | 69.4 | 75.8 | 78.6 | 80.7 | 80.8 | 86.9 | 94.9 | 93.5 | 95.9 | 86.5 | 92.3 | 98.5 | 99.7 | - | गेहूँ |
| 3 | Coarse Cereals | 34.1 | 33.9 | 40.8 | 40.0 | 33.6 | 43.4 | 42.0 | 40.0 | 43.3 | 42.9 | 38.5 | 43.8 | 47.0 | 33.1 | मोटे अनाज |
| 4 | Cereals | 195.2 | 203.1 | 216.0 | 219.9 | 203.5 | 226.3 | 242.2 | 238.8 | 245.8 | 234.9 | 235.2 | 252.0 | 259.6 | 132.4 | अनाज |
| 5 | Total Pulses | 13.4 | 14.2 | 14.8 | 14.6 | 14.7 | 18.2 | 17.1 | 18.3 | 19.3 | 17.2 | 16.4 | 23.1 | 25.2 | 9.2 | कुल दालें |
| 6 | Total Foodgrains | 208.6 | 217.3 | 230.8 | 234.5 | 218.1 | 244.5 | 259.3 | 257.1 | 265.0 | 252.0 | 251.6 | 275.1 | 284.8 | 141.6 | कुल खाद्यान्न |
| | **(In Lakh Tonnes)** | | | | | | | | | | | | | | | **(लाख टनो में)** |
| 7 | Groundnut | 79.9 | 48.6 | 91.8 | 71.7 | 54.3 | 82.7 | 69.6 | 47.0 | 97.1 | 74.0 | 67.3 | 74.6 | 91.8 | 63.3 | मूंगफली |
| 8 | Castorseed | 9.9 | 7.6 | 10.5 | 11.7 | 10.1 | 13.5 | 23.0 | 19.6 | 17.3 | 18.7 | 17.5 | 13.8 | 15.7 | 15.2 | अरंडी के बीज |
| 9 | Sesamum | 6.4 | 6.2 | 7.6 | 6.4 | 5.9 | 8.9 | 8.1 | 6.9 | 7.2 | 8.3 | 8.5 | 7.5 | 7.5 | 7.1 | तिल |
| 10 | Nigerseed | 1.1 | 1.2 | 1.1 | 1.2 | 1.0 | 1.1 | 1.0 | 1.0 | 1.0 | 0.8 | 0.7 | 0.9 | 0.7 | 0.8 | नाइजर के बीज |
| 11 | Rapeseed & Mustard | 81.3 | 74.4 | 58.3 | 72.0 | 66.1 | 81.8 | 66.0 | 80.3 | 78.8 | 62.8 | 68.0 | 79.2 | 83.2 | - | सफेद सरसों एवं सरसों |
| 12 | Linseed | 1.7 | 1.7 | 1.6 | 1.7 | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | 1.6 | 1.3 | 1.8 | 1.8 | - | तीसी |
| 13 | Safflower | 2.3 | 2.4 | 2.3 | 1.9 | 1.8 | 1.5 | 1.5 | 1.1 | 1.1 | 0.9 | 0.5 | 0.9 | 0.5 | - | कुसुम/कुसुंभ फूल |
| 14 | Sunflower | 14.4 | 12.3 | 14.6 | 11.6 | 8.5 | 6.5 | 5.2 | 5.4 | 5.0 | 4.3 | 3.0 | 2.5 | 2.1 | 0.9 | सूरजमुखी |
| 15 | Soyabean | 82.7 | 88.5 | 109.7 | 99.1 | 99.6 | 127.4 | 122.1 | 146.7 | 118.6 | 103.7 | 85.7 | 131.6 | 109.8 | 134.6 | सोयाबीन |
| 16 | Total Nine Oilseeds | 279.8 | 242.9 | 297.6 | 277.2 | 248.8 | 324.8 | 298.0 | 309.4 | 327.5 | 275.1 | 252.5 | 312.8 | 313.1 | 221.9 | कुल नौ तिलहन |
| 17 | Cotton # | 185.0 | 226.3 | 258.8 | 222.8 | 240.2 | 330.0 | 352.0 | 342.2 | 359.0 | 348.1 | 300.1 | 325.8 | 348.9 | 324.8 | कपास # |
| 18 | Jute # # | 99.7 | 103.2 | 102.2 | 96.3 | 112.3 | 100.1 | 107.4 | 103.4 | 110.8 | 106.2 | 99.4 | 104.3 | 96.3 | 96.7 | जूट # |
| 19 | Mesta # # | 8.7 | 9.6 | 9.9 | 7.3 | 5.9 | 6.1 | 6.6 | 5.9 | 6.1 | 5.1 | 5.8 | 5.3 | 5.1 | 5.0 | मेस्टा # # |
| 20 | Jute & Mesta # # | 108.4 | 112.7 | 112.1 | 103.7 | 118.2 | 106.2 | 114.0 | 109.3 | 116.9 | 111.3 | 105.2 | 109.6 | 101.4 | 101.7 | जूट और मेस्टा # # |
| 21 | Sugarcane | 2811.7 | 3555.2 | 3481.9 | 2850.3 | 2923.0 | 3423.8 | 3610.4 | 3412.0 | 3521.4 | 3623.3 | 3484.5 | 3060.7 | 3769.0 | 3838.9 | गन्ना |

Sources: Directorate of Economics and Statistics, Ministry of Agriculture and Farmers Welfare

#: Lakh bales of 170 kgs each ##: lakh bales of 180 kgs each *: 4th advance estimates

स्रोत: 1. आर्थिक एवं सांख्यिकी निदेशालय, कृषि एवं किसान कल्याण मंत्रालय $ : 1st advance estimates

## Statement 2.45: Use of agricultural inputs
## विवरण 2.45 : कृषि आदानों का उपयोग

| Sl. No. क्र. सं. | Programme | Unit यूनिट | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | कार्यक्रम |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | **Seeds** | | | | | | | | | | | | | | **बीज** |
| | **I.** Production of Breeder Seeds | Thousand Quintals | 68.64 | 73.83 | 91.96 | 94.41 | 102 | 118.85 | 123.38 | 110.2 | 82.29 | 86.21 | 90.37 | 110.71 | **I.** प्रजनक बीजों का उत्पादन |
| | **II.** Production of Foundation Seeds | Lakh Quintals | 7.40 | 7.96 | 8.22 | 9.62 | 11.46 | 18.06 | 22.26 | 16.17 | 17.43 | 15.76 | 14.95 | 22.09 | **II** आधार बीजों का उत्पादन |
| | **III.** Distribution of Certified/Quality Seeds | Lakh Quintals | 126.75 | 155.01 | 179.05 | 215.81 | 257.11 | 277.34 | 294.85 | 313.44 | 301.39 | 303.12 | 304.04 | 348.58 | **III.** प्रमाणित/अच्छे बीजों का वितरण |
| 2. | **Consumption of Chemical Fertilizers** | | | | | | | | | | | | | | **रासायनिक उर्वरकों की खपत** |
| | **I.** Nitrogenous(N) | Lakh Tonnes | 127.23 | 137.73 | 144.19 | 150.91 | 155.8 | 165.58 | 173.00 | 168.21 | 167.50 | 169.46 | 173.72 | 167.35 | **I.** नाइट्रोजनी (N) |
| | **II.** Phosphatic(P) | Lakh Tonnes | 52.04 | 55.43 | 55.15 | 65.06 | 72.74 | 80.5 | 79.14 | 66.53 | 56.33 | 60.98 | 69.79 | 67.05 | **II** फॉस्फेटिक (P) |
| | **III.** Potassic(K) | Lakh Tonnes | 24.13 | 23.35 | 26.36 | 33.13 | 36.32 | 35.14 | 25.76 | 20.62 | 20.99 | 25.32 | 24.02 | 25.08 | **III.** पोटाश (K) |
| | Total (N+P+K) | Lakh Tonnes | 203.40 | 216.51 | 225.70 | 249.10 | 264.86 | 281.22 | 277.90 | 255.36 | 244.82 | 255.76 | 267.53 | 259.49 | कुल (N+P+K) |
| | Per Hectare* | Kg | 105.50 | 111.76 | 115.27 | 128.00 | 140 | 143 | 142 | 131 | 125 | 127.00 | 131.00 | 123.00 | प्रति हेक्टेयर* |
| 3. | **Consumption of Pesticides(Technical Grade)** | Thousand Tonnes | 39.77 | 43.41 | 41.64 | 43.86 | 41.82 | 55.54 | 52.98 | 45.62 | 60.28 | 56.12 | 50.41 | 52.75** | **कीटनाशकों (तकनीकी ग्रेड) की खपत** |
| 4 | **Area covered under Soil Conservation#** | Lakh ha | 8.67 | 11.41 | 7.34 | 6.90 | 5.32 | 7.49 | 4.72 | 5.46 | - | - | - | - | **मृदा संरक्षण के तहत शामिल क्षेत्रफल#** |

Source : Agricultural Statistics at a Glance 2017, Department of Agriculture Cooperation & Farmers Welfare

स्रोत : एक नज़र में कृषि सांख्यिकी 2017,कृषि सहयोग और किसान कल्याण विभाग, कृषि एंव किसान कल्याण मंत्रालय

*Per capita consumption from Gross Gropped Area upto 2016-17 is based on State Governments estimates

** As on 20.11.2017

# : Soil Consevation programmes, namely; National Watershed Development Project for Rainfed Areas, Centrally Sponsored Programme of Soild Conservation in the catchment of River Vally & Flood Prone Rivers (RVP&FPR), Reclamation & Development of Alkali & Acid Soils (RDAAS) Watershed Development Project in Shifting Cultivation Area (WDPSCA), Watershed Development Fund have been closed from Ist April 2013

**Statement 2.46 : All-India consumption of fertilisers in terms of nutrients (N, P & K)**

**विवरण 2.46 : पोषक तत्वों (एन, पी और के) की दृष्टि से उर्वरकों की अखिल भारतीय खपत**

(Thousand Tonnes/हजार टन में)

| Year<br>वर्ष | N | P | K | Total<br>कुल |
|---|---|---|---|---|
| 1950-51 | 58.7 | 6.9 | - | 65.6 |
| 1960-61 | 210.0 | 53.1 | 29.0 | 292.1 |
| 1970-71 | 1487.0 | 462.0 | 228.0 | 2177.0 |
| 1980-81 | 3678.1 | 1213.6 | 623.9 | 5515.6 |
| 1990-91 | 7997.2 | 3221.0 | 1328.0 | 12546.2 |
| 2000-01 | 10920.2 | 4214.6 | 1567.5 | 16702.3 |
| 2001-02 | 11310.2 | 4382.4 | 1667.1 | 17359.7 |
| 2002-03 | 10474.1 | 4018.8 | 1601.2 | 16094.1 |
| 2003-04 | 11077.0 | 4124.3 | 1597.9 | 16799.2 |
| 2004-05 | 11713.9 | 4623.8 | 2060.6 | 18398.3 |
| 2005-06 | 12723.3 | 5203.7 | 2413.3 | 20340.3 |
| 2006-07 | 13772.9 | 5543.3 | 2334.8 | 21651.0 |
| 2007-08 | 14419.1 | 5514.7 | 2636.3 | 22570.1 |
| 2008-09 | 15090.5 | 6506.2 | 3312.6 | 24909.3 |
| 2009-10 | 15580.0 | 7274.0 | 3632.4 | 26486.4 |
| 2010-11 | 16558.2 | 8049.7 | 3514.3 | 28122.2 |
| 2011-12 | 17300.3 | 7914.3 | 2575.5 | 27790.0 |
| 2012-13 | 16820.9 | 6653.4 | 2061.8 | 25536.2 |
| 2013-14 | 16750.1 | 5633.5 | 2098.9 | 24482.4 |
| 2014-15 | 16945.4 | 6098.4 | 2532.3 | 25576.1 |
| 2015-16 | 17372.3 | 6978.8 | 2401.5 | 26752.6 |
| 2016-17 | 16735.4 | 6705.4 | 2508.3 | 25949.2 |

Source: Agricultural Statistics at a Glance-2017, Department of Agriculture Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare

स्रोत: एक नज़र में कृषि सांख्यिकी 2017,कृषि सहयोग और किसान कल्याण विभाग, कृषि एंव किसान कल्याण मंत्रालय

N : Nitrogen P : Phosphorous K : Potash (Potassium)

Note : Figures upto 1982-83 relate to Feb-.Jan. and onwards to Apr-Mar.

## Statement 2.47: State-wise, Nutrient-wise consumption of Fertilizers

## विवरण 2.47 : उर्वरकों की राज्यवार, पोषक तत्ववार खपत

(Kg/Hectare/किलोग्राम/हेक्टेयर)

| State | 2011-12 | | | | 2012-13 | | | | 2013-14 | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | P | K | Total कुल | N | P | K | Total कुल | N | P | K | Total कुल | |
| Andhra Pradesh | 143.71 | 75.81 | 23.41 | 242.93 | 130.47 | 52.30 | 18.48 | 201.25 | 140.36 | 57.03 | 22.74 | 220.13 | आंध्र प्रदेश |
| Arunachal Pradesh | 1.96 | 0.36 | 0.11 | 2.43 | 1.58 | 0.11 | 0.32 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | अरुणाचल प्रदेश |
| Assam | 36.19 | 11.76 | 18.09 | 66.04 | 35.99 | 11.69 | 17.99 | 65.67 | 49.18 | 13.56 | 26.04 | 88.78 | असम |
| Bihar | 126.56 | 38.84 | 15.09 | 180.49 | 142.86 | 41.86 | 11.57 | 196.29 | 128.67 | 28.27 | 12.93 | 169.87 | बिहार |
| Chhattisgarh | 62.92 | 31.31 | 10.92 | 105.15 | 65.93 | 31.63 | 8.17 | 105.73 | 54.41 | 24.77 | 7.27 | 86.45 | छत्तीसगढ़ |
| Delhi | 8.97 | 5.64 | 0.26 | 14.87 | 23.06 | 1.43 | 0.00 | 24.49 | 32.96 | 0.00 | 0.00 | 32.96 | दिल्ली |
| Goa | 18.66 | 16.28 | 11.52 | 46.46 | 17.06 | 10.00 | 5.95 | 33.01 | 30.66 | 13.54 | 9.33 | 53.53 | गोवा |
| Gujarat | 90.38 | 31.85 | 10.14 | 132.37 | 79.98 | 20.46 | 6.07 | 106.51 | 88.60 | 24.11 | 6.93 | 119.64 | गुजरात |
| Haryana | 157.33 | 56.96 | 5.78 | 11.52 | 160.44 | 48.71 | 2.61 | 211.76 | 168.87 | 35.26 | 2.78 | 206.91 | हरियाणा |
| Himachal Pradesh | 34.49 | 10.20 | 9.39 | 54.08 | 35.61 | 7.20 | 7.53 | 50.34 | 34.08 | 8.45 | 8.79 | 51.32 | हिमाचल प्रदेश |
| Jammu & Kashmir | 56.96 | 24.68 | 4.56 | 86.20 | 65.26 | 20.74 | 8.39 | 94.39 | - | - | - | - | जम्मू एवं कश्मीर |
| Jharkhand | 94.04 | 33.47 | 9.04 | 136.55 | 67.49 | 45.91 | 5.86 | 119.26 | 30.05 | 6.31 | 1.34 | 37.70 | झारखंड |
| Karnataka | 100.83 | 65.24 | 27.60 | 193.67 | 75.90 | 33.17 | 21.27 | 130.34 | 88.51 | 41.41 | 23.73 | 153.65 | कर्नाटक |
| Kerala | 50.92 | 24.85 | 37.43 | 113.20 | 47.51 | 24.30 | 35.13 | 106.94 | 26.36 | 13.64 | 22.48 | 62.48 | केरल |
| Madhya Pradesh | 47.16 | 33.34 | 3.53 | 84.03 | 46.81 | 30.94 | 3.07 | 80.82 | 51.23 | 26.85 | 2.38 | 80.46 | मध्य प्रदेश |
| Maharashtra | 73.51 | 46.17 | 18.23 | 137.91 | 62.55 | 32.72 | 17.76 | 113.03 | 67.08 | 32.69 | 17.95 | 117.72 | महाराष्ट्र |
| Manipur | 18.05 | 2.66 | 1.21 | 21.92 | 29.39 | 4.14 | 1.55 | 35.08 | 33.85 | 5.61 | 4.75 | 44.21 | मणिपुर |
| Meghalaya | 9.65 | 3.66 | 0.74 | 14.05 | 9.88 | 3.38 | 1.00 | 14.26 | 34.41 | 10.2 | 2.65 | 47.26 | मेघालय |
| Mizoram | 9.48 | 2.16 | 0.62 | 12.26 | 14.14 | 0.78 | 0.26 | 15.18 | - | - | - | - | मिजोरम |
| Nagaland | 1.58 | 1.03 | 0.42 | 3.03 | 2.25 | 1.41 | 0.78 | 4.44 | 2.62 | 1.72 | 0.83 | 5.17 | नागालैंड |
| Odisha | 65.15 | 27.29 | 1.24 | 93.68 | 62.15 | 24.50 | 10.06 | 96.71 | 36.69 | 13.8 | 6.62 | 57.11 | ओडिशा |
| Punjab | 179.20 | 56.76 | 6.69 | 242.65 | 188.78 | 58.76 | 3.06 | 250.60 | 174.68 | 41.65 | 3.08 | 219.41 | पंजाब |
| Rajasthan | 37.28 | 16.98 | 1.07 | 55.33 | 40.35 | 14.87 | 0.90 | 56.12 | 35.05 | 10.62 | 0.19 | 45.86 | राजस्थान |
| Sikkim | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | सिक्किम |
| Tamil Nadu | 116.22 | 53.72 | 44.81 | 214.75 | 111.79 | 43.39 | 29.02 | 184.20 | 86.77 | 31.13 | 25.15 | 143.05 | तमिलनाडु |
| Telangana | | | | | - | - | - | - | 155.47 | 45.52 | 12 | 212.99 | तेलंगाना |
| Tripura | 28.09 | 14.80 | 7.36 | 50.25 | 37.17 | 19.65 | 12.31 | 69.13 | 23.58 | 17.45 | 9.62 | 50.65 | त्रिपुरा |
| Uttar Pradesh | 118.84 | 39.68 | 6.45 | 164.97 | 129.81 | 45.17 | 5.14 | 180.12 | 107.08 | 27.54 | 3.77 | 138.39 | उत्तर प्रदेश |

## Statement 2.47: State-wise, Nutrient-wise consumption of Fertilizers

## विवरण 2.47 : उर्वरकों की राज्यवार, पोषक तत्ववार खपत

(Kg/Hectare/किलोग्राम/हेक्टेयर)

| State | 2011-12 | | | | 2012-13 | | | | 2013-14 | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | P | K | Total कुल | N | P | K | Total कुल | N | P | K | Total कुल | |
| Uttarakhand | 109.35 | 28.54 | 9.13 | 147.02 | 107.91 | 21.16 | 6.62 | 135.69 | 135.70 | 21.96 | 6.47 | 164.13 | उत्तराखंड |
| West Bengal | 88.95 | 50.91 | 33.04 | 172.90 | 85.14 | 46.88 | 29.21 | 161.23 | 71.65 | 27.19 | 28.02 | 126.86 | पश्चिम बंगाल |
| Andaman & Nicobar Island | 20.56 | 20.56 | 9.44 | 50.56 | 17.20 | 12.80 | 10.00 | 40.00 | 11.77 | 8.96 | 7.42 | 28.15 | अंडमान एवं निकोबार द्वीप समूह |
| Chandigarh | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | - | - | चंडीगढ़ |
| Dadra & Nagar Haveli | 27.27 | 18.64 | 0.00 | 45.91 | 24.17 | 15.83 | 0.00 | 40.00 | - | - | - | - | दादरा एवं नगर हवेली |
| Daman & Diu | 20.00 | 3.33 | 0.00 | 23.33 | 46.67 | 6.67 | 3.33 | 56.67 | 19.05 | 4.76 | 2.38 | 26.19 | दमन एवं दीव |
| Lakshadweep | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | लक्षद्वीप |
| Puducherry | 541.11 | 144.44 | 113.33 | 798.88 | 436.15 | 108.46 | 62.69 | 607.30 | 491.09 | 84.62 | 61.94 | 637.65 | पुद्दुचेरी |
| **ALL INDIA AVERAGE** | **88.61** | **40.54** | **13.19** | **142.34** | **86.53** | **34.23** | **10.61** | **131.37** | **81.11** | **27.28** | **10.16** | **118.55** | **अखिल भारतीय - औसत** |

N : Nitrogen P : Phosphorous K : Potash (Potassium)

Source: Agricultural Statisatics at Glance, Department of Agriculture Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare

स्रोत: एक नज़र में स्वास्थ्य सांख्यिकी, कृषि सहयोग और किसान कल्याण विभाग, कृषि एंव किसान कल्याण मंत्रालय

## Statement 2.47: State-wise, Nutrient-wise consumption of Fertilizers

## विवरण 2.47 : उर्वरकों की राज्यवार, पोषक तत्ववार खपत

(Kg/Hectare/किलोग्राम/हेक्टेयर)

| State | 2014-15 | | | | 2015-16 | | | | 2016-17 | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | P | K | Total कुल | N | P | K | Total कुल | N | P | K | Total कुल | |
| Andhra Pradesh | 146.88 | 60.52 | 29.83 | 237.23 | 135.96 | 65.09 | 24.65 | 225.70 | 123.56 | 60.24 | 28.27 | 212.07 | आंध्र प्रदेश |
| Arunachal Pradesh | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 0.11 | 0.33 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 | अरुणाचल प्रदेश |
| Assam | 68.09 | 21.91 | 35.08 | 125.08 | 31.24 | 6.19 | 7.36 | 44.79 | 27.42 | 6.72 | 7.12 | 41.26 | असम |
| Bihar | 132.70 | 31.20 | 14.75 | 178.65 | 162.19 | 44.24 | 13.78 | 220.21 | 138.50 | 40.62 | 19.30 | 198.42 | बिहार |
| Chhattisgarh | 56.75 | 26.69 | 8.63 | 92.07 | 61.36 | 29.79 | 8.97 | 100.12 | 58.96 | 33.50 | 9.61 | 102.07 | छत्तीसगढ़ |
| Delhi | 82.25 | 0.00 | 0.00 | 82.25 | 53.06 | 4.44 | 0.00 | 57.50 | 73.66 | 3.11 | 0.00 | 76.77 | दिल्ली |
| Goa | 26.12 | 11.82 | 8.91 | 46.85 | 24.04 | 14.71 | 10.34 | 49.09 | 22.21 | 13.64 | 9.66 | 45.51 | गोवा |
| Gujarat | 96.00 | 27.76 | 9.03 | 132.79 | 90.45 | 25.74 | 8.33 | 124.52 | 91.21 | 27.12 | 9.64 | 127.97 | गुजरात |
| Haryana | 172.18 | 43.10 | 6.15 | 221.43 | 169.65 | 47.54 | 3.22 | 220.41 | 163.80 | 47.41 | 6.96 | 218.17 | हरियाणा |
| Himachal Pradesh | 35.63 | 8.65 | 9.67 | 53.95 | 37.14 | 9.96 | 10.00 | 57.10 | 35.17 | 10.84 | 11.48 | 57.49 | हिमाचल प्रदेश |
| Jammu & Kashmir | - | - | - | - | 42.90 | 14.65 | 6.25 | 63.80 | 38.63 | 15.91 | 8.37 | 62.91 | जम्मू एवं कश्मीर |
| Jharkhand | 30.75 | 6.56 | 1.09 | 38.40 | 39.59 | 13.22 | 1.74 | 54.55 | 33.53 | 9.35 | 0.73 | 43.61 | झारखंड |
| Karnataka | 96.31 | 47.89 | 31.95 | 176.15 | 96.50 | 52.24 | 26.22 | 174.96 | 87.50 | 51.00 | 24.09 | 162.59 | कर्नाटक |
| Kerala | 20.23 | 8.35 | 11.97 | 40.55 | 21.25 | 7.87 | 14.65 | 43.77 | 14.98 | 8.23 | 11.18 | 34.39 | केरल |
| Madhya Pradesh | 48.68 | 26.35 | 3.14 | 78.17 | 52.45 | 27.66 | 3.49 | 83.60 | 51.15 | 24.84 | 3.70 | 79.69 | मध्य प्रदेश |
| Maharashtra | 68.76 | 33.95 | 22.88 | 125.59 | 65.20 | 37.83 | 19.42 | 122.45 | 63.07 | 32.69 | 19.00 | 114.75 | महाराष्ट्र |
| Manipur | 45.10 | 8.80 | 7.94 | 61.84 | 28.94 | 7.79 | 4.89 | 41.62 | 23.74 | 6.52 | 4.42 | 34.68 | मणिपुर |
| Meghalaya | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | मेघालय |
| Mizoram | - | - | - | - | 12.62 | 2.27 | 3.29 | 18.18 | 17.32 | 3.13 | 2.43 | 22.88 | मिजोरम |
| Nagaland | 3.24 | 1.93 | 1.17 | 6.34 | 2.82 | 1.93 | 1.21 | 5.96 | 16.44 | 11.18 | 7.10 | 34.72 | नागालैंड |
| Odisha | 36.14 | 14.53 | 6.82 | 57.49 | 39.43 | 16.11 | 7.09 | 62.63 | 34.73 | 15.03 | 7.01 | 56.77 | ओडिशा |
| Punjab | 179.03 | 43.46 | 4.97 | 227.46 | 185.10 | 53.55 | 9.94 | 248.58 | 178.30 | 47.20 | 6.66 | 232.16 | पंजाब |
| Rajasthan | 39.97 | 13.91 | 0.64 | 54.52 | 42.99 | 17.83 | 0.74 | 61.56 | 40.48 | 13.82 | 0.64 | 54.94 | राजस्थान |
| Sikkim | - | - | - | - | - | - | - | - | 0.00 | 0.00 | 0.00 | 0.00 | सिक्किम |
| Tamil Nadu | 96.98 | 36.01 | 30.68 | 163.67 | 104.52 | 40.81 | 29.86 | 175.19 | 87.36 | 39.39 | 27.72 | 154.47 | तमिलनाडु |
| Telangana | 162.52 | 52.71 | 16.20 | 231.43 | 179.23 | 66.97 | 22.71 | 268.91 | 164.36 | 56.90 | 22.19 | 243.45 | तेलंगाना |
| Tripura | 18.45 | 14.25 | 8.45 | 41.15 | 18.47 | 12.60 | 11.93 | 43.00 | 25.01 | 12.66 | 8.44 | 46.11 | त्रिपुरा |
| Uttar Pradesh | 111.64 | 32.27 | 6.60 | 150.51 | 107.73 | 40.37 | 7.43 | 155.53 | 104.11 | 40.83 | 8.56 | 153.50 | उत्तर प्रदेश |

## Statement 2.47: State-wise, Nutrient-wise consumption of Fertilizers

## विवरण 2.47 : उर्वरकों की राज्यवार, पोषक तत्ववार खपत

(Kg/Hectare/किलोग्राम/हेक्टेयर)

| State | 2014-15 | | | | 2015-16 | | | | 2016-17 | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | P | K | Total कुल | N | P | K | Total कुल | N | P | K | Total कुल | |
| Uttarakhand | 128.96 | 24.11 | 6.88 | 159.95 | 143.76 | 19.75 | 5.67 | 169.18 | 138.47 | 24.68 | 7.85 | 171.00 | उत्तराखंड |
| West Bengal | 77.86 | 40.21 | 32.84 | 150.91 | 90.23 | 48.55 | 35.07 | 173.85 | 82.14 | 43.44 | 32.70 | 158.28 | पश्चिम बंगाल |
| Andaman & Nicobar Island | 12.50 | 9.95 | 6.63 | 29.08 | 0.00 | 0.00 | 0.00 | 0.00 | 61.49 | 65.66 | 39.60 | 166.75 | अंडमान एवं निकोबार द्वीप समूह |
| Chandigarh | - | - | - | - | - | - | - | - | 0.00 | 0.00 | 0.00 | 0.00 | चंडीगढ़ |
| Dadra & Nagar Haveli | 40.25 | 27.67 | 0.00 | 67.92 | 36.31 | 19.75 | 0.00 | 56.06 | 43.13 | 30.00 | 0.00 | 73.13 | दादरा एवं नगर हवेली |
| Daman & Diu | 0.00 | 0.00 | 0.00 | 0.00 | 35.99 | 5.14 | 0.00 | 41.13 | 35.90 | 2.56 | 2.56 | 41.02 | दमन एवं दीव |
| Lakshadweep | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | 0 | 0 | 0 | 0.00 | लक्षद्वीप |
| Puducherry | 196.11 | 42.57 | 46.01 | 284.69 | 190.05 | 37.71 | 34.44 | 262.20 | 209.65 | 41.60 | 37.99 | 289.24 | पुद्दुचेरी |
| ALL INDIA AVERAGE | **84.86** | **30.54** | **12.68** | **128.08** | **84.84** | **34.08** | **11.73** | **130.66** | **79.59** | **31.89** | **11.93** | **123.41** | **अखिल भारतीय** |

N : Nitrogen P : Phosphorous K : Potash (Potassium)

Source: Agricultural Statisatics at Glance, Department of Agriculture Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare

स्रोत: एक नज़र में स्वास्थ्य सांख्यिकी, कृषि सहयोग और किसान कल्याण विभाग, कृषि एंव किसान कल्याण मंत्रालय

## Statement 2.48 : State wise production of organic manures
## विवरण 2.48 : जैविक खादों का राज्यवार उत्पादन

Year/वर्ष 2016-17

| Sl. No क्र.सं. | State | Rural Compost ग्रामीण कंपोस्ट | Farm Yard Manure फार्मयार्ड खाद | City Compost नगर कंपोस्ट | Organic manure जैविक खाद | Vermi-compost वर्मी कंपोस्ट | Other manures* अन्य खाद | Total Manure lakh MT कुल खाद लाख मीट्रिक टन | Area Cover (Lakh Ha.) क्षेत्र आच्छादन (लाख हेक्टेयर) | Green Manuring (Ha.) हरित खाद ( हेक्टेयर) | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 68.10 | 0.39 | 25.90 | | 1.54 | | 95.93 | 9.61 | 31.10 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 0.91 | 0.25 | | 0.05 | 0.66 | 0.07 | 1.94 | 0.22 | 0.08 | अरुणाचल प्रदेश |
| 3 | Assam | - | 90.56 | | | 93.60 | 2.12 | 186.28 | 131.10 | 3.20 | असम |
| 4 | Bihar | 12.30 | 910.00 | 0.38 | 7.69 | 9.14 | - | 939.51 | 2.30 | 511500.00 | बिहार |
| 5 | Chhattisgarh | 12.10 | 43.10 | 16.90 | - | 3.11 | 55.40 | 130.61 | 19.60 | 590462.00 | छत्तीसगढ़ |
| 6 | Delhi | | | | | | 1.60 | 1.60 | 1.21 | - | दिल्ली |
| 7 | Goa | 0.04 | - | 0.90 | 0.10 | 0.03 | 0.31 | 1.38 | 0.12 | 3.90 | गोवा |
| 8 | Gujarat | 0.10 | 496.00 | - | - | 0.77 | 5.10 | 501.970 | 63.50 | 4.10 | गुजरात |
| 9 | Haryana | 11.00 | 9.60 | - | 3.65 | 0.21 | 0.03 | 24.49 | 0.02 | - | हरियाणा |
| 10 | Himachal Pradesh | 0.01 | - | - | 15.00 | 25.30 | 15.60 | 55.91 | 3.12 | 0.67 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 1.97 | - | 0.36 | - | - | - | 2.33 | 1.51 | 1709.00 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | - | 0.06 | - | - | 398.00 | - | 398.06 | 72.60 | - | झारखंड |
| 13 | Karnataka | 5.92 | 8.30 | 7.90 | 2.94 | 19.53 | 0.21 | 44.80 | 1.26 | - | कर्नाटक |
| 14 | Kerala | 0.77 | - | 0.84 | - | 3.41 | 0.01 | 5.03 | 0.55 | 34000.00 | केरल |
| 15 | Madhya Pradesh | 26.50 | 19.60 | 1.56 | 1.95 | 11.00 | 1.28 | 61.89 | 0.98 | 71450.00 | मध्य प्रदेश |
| 16 | Maharashtra | 10.40 | 8.90 | 8.90 | - | 2.80 | 5.20 | 36.20 | 1.11 | 6110.00 | महाराष्ट्र |
| 17 | Manipur | - | 0.94 | - | - | 0.09 | - | 1.03 | 0.90 | - | मणिपुर |
| 18 | Meghalaya | - | 21.60 | - | - | 9.60 | - | 31.20 | 3.10 | - | मेघालय |
| 19 | Mizoram | - | 1.29 | - | - | 1.11 | - | 2.40 | 0.04 | - | मिजोरम |
| 20 | Nagaland | 0.51 | 1.90 | - | - | 1.22 | - | 3.63 | 0.02 | 184.00 | नागालैंड |
| 21 | Odisha | 11.30 | - | 9.60 | 0.68 | 6.17 | - | 27.75 | 3.51 | - | ओडिशा |
| 22 | Punjab | - | - | 1.56 | 1.00 | 0.35 | 7.60 | 10.51 | 0.46 | 21200.00 | पंजाब |
| 23 | Rajasthan | 22.10 | 14.90 | - | 0.21 | - | 0.01 | 37.22 | 0.01 | - | राजस्थान |
| 24 | Sikkim | 0.35 | - | - | - | 0.07 | - | 0.42 | 0.07 | - | सिक्किम |
| 25 | Tamil Nadu | 0.06 | | 10.26 | 0.20 | 5.84 | 1.31 | 17.67 | 2.65 | - | तमिलनाड़ |
| 26 | Telengana | 3.31 | | | 0.30 | 0.30 | - | 3.91 | - | - | तेलंगाना |
| 27 | Tripura | 2.64 | | | | 0.11 | - | 2.75 | - | - | त्रिपुरा |
| 28 | Uttar Pradesh | 25.40 | 25.30 | | | 0.33 | - | 51.03 | 4.41 | 0.18 | उत्तर प्रदेश |
| 29 | Uttarakhand | 10.70 | 16.80 | | | 0.70 | - | 28.20 | 0.08 | 25100.00 | उत्तराखंड |
| 30 | West Bengal | 9.10 | 39.80 | 9.60 | 6.70 | 2.12 | 5.20 | 72.52 | 25.10 | 71.00 | पश्चिम बंगाल |
| 31 | Chandigarh | 8.50 | 7.95 | | | | | 16.45 | - | - | चंडीगढ़ |
| 32 | Puducherry | - | | 5.66 | | | 2.11 | 7.77 | 0.55 | - | पुद्दुचेरी |
| | **Total** | **244.09** | **1717.24** | **100.32** | **40.47** | **597.11** | **103.1573** | **2802.381** | **349.70** | **1261829.23** | **कुल** |

Source: Annual Report 2016-17, National Center of Organic Farming , Department of Agriculture Cooperation & Farmers Welfare

स्रोत: राष्ट्रीय जैविक कृषि केंद्र, वार्षिक रिपोर्ट 2016-17, कृषि एवं सहयोग विभाग, कृषि एवं किसान कल्याण मंत्रालय

* UTs namely A&N, D&D, D&D & Lakshdweep have to value for all the indicator

- : Implies not indicated from sources

## Statement 2.48 : State wise production of organic manures
## विवरण 2.48 : जैविक खादों का राज्यवार उत्पादन

Year/वर्ष 2017-18

| State/UT | Organic manure जैविक खाद | Farm Yard Manure फार्मयार्ड खाद | City Compost नगर कंपोस्ट | Vermi-compost वर्मी कंपोस्ट | Phosphate rich organic manure (PROM) फॉस्फेट प्रचुर जैविक खाद | Others अन्य | Total Manure lakh MT कुल खाद लाख मीट्रिक टन | राज्य |
|---|---|---|---|---|---|---|---|---|
| Andhra Pradesh | 99.8 | 2.48 | 28.1 | 11.98 | 0.05 | 59.4 | **201.81** | आंध्र प्रदेश |
| Arunachal Pradesh | 1.6 | 0.35 | - | 1.89 | 0.04 | 1.56 | **5.44** | अरुणाचल प्रदेश |
| Assam | - | 98.4 | - | 98.6 | 0.01 | 3.24 | **200.25** | असम |
| Bihar | 23.1 | 942 | 1.45 | 18.4 | 1.11 | 11.1 | **997.16** | बिहार |
| Chhattisgarh | 25.6 | 51.1 | 19.4 | 14.15 | 0.05 | 58.9 | **169.2** | छत्तीसगढ़ |
| Delhi | - | - | - | - | - | 2.1 | **2.1** | दिल्ली |
| Goa | 0.15 | - | 0.45 | 0.04 | 0.01 | 0.33 | **0.98** | गोवा |
| Gujarat | 2.98 | 498 | - | 1.12 | 0.09 | 15.6 | **517.79** | गुजरात |
| Haryana | 15.6 | 21.4 | - | 0.08 | 0.11 | 11.2 | **48.39** | हरियाणा |
| Himachal Pradesh | 17.6 | - | - | 26.1 | 0.04 | 17.6 | **61.34** | हिमाचल प्रदेश |
| Jammu & Kashmir | 1.99 | - | 0.05 | 0.07 | 0.01 | 0.04 | **2.16** | जम्मू एवं कश्मीर |
| Jharkhand | 1.98 | 11.19 | - | 391 | 0.9 | 1.1 | **406.17** | झारखंड |
| Karnataka | 9.45 | 11.5 | 8.95 | 31.1 | 0.7 | 2.5 | **64.2** | कर्नाटक |
| Kerala | 0.94 | 0.84 | 2.41 | 19.5 | 0.001 | 1.01 | **24.701** | केरल |
| Madhya Pradesh | 31.1 | 29.4 | 2.56 | 36.1 | 0.7 | 8.14 | **108** | मध्य प्रदेश |
| Maharashtra | 19.4 | 15.1 | 9.94 | 38.21 | 0.6 | 6.64 | **89.89** | महाराष्ट्र |
| Manipur | - | 0.98 | - | 0.09 | - | - | **1.07** | मणिपुर |
| Meghalaya | - | 1.98 | - | 1.13 | - | - | **3.11** | मेघालय |
| Mizoram | - | 23.1 | - | 9.7 | - | - | **32.8** | मिजोरम |
| Nagaland | 0.64 | 2.2 | - | 1.23 | - | - | **4.07** | नागालैंड |
| Odisha | 14.4 | - | 9.84 | 7.11 | - | - | **31.35** | ओडिशा |
| Punjab | 1.85 | 14.9 | 1.15 | 14.2 | 0.5 | 8.4 | **41** | पंजाब |
| Rajasthan | 26.4 | 24.1 | - | 12.1 | 0.14 | 2.5 | **65.24** | राजस्थान |
| Sikkim | 0.45 | - | - | 0.09 | 0.51 | 0.04 | **1.09** | सिक्किम |
| Tamil Nadu | 0.48 | 18.5 | 12.1 | 5.89 | 0.07 | 8.54 | **45.58** | तमिलनाडु |
| Telengana | 5.98 | - | - | 0.8 | 0.04 | - | **6.82** | तेलंगाना |
| Tripura | 4.12 | - | - | 0.13 | - | - | **4.25** | त्रिपुरा |
| Uttar Pradesh | 28.4 | 31.2 | - | 12.8 | 0.09 | - | **72.49** | उत्तर प्रदेश |
| Uttarakhand | 13.65 | 27.6 | - | 12.5 | 0.05 | - | **53.8** | उत्तराखंड |
| West Bengal | 19.6 | 41.5 | 8.4 | 8.9 | 0.08 | 9.4 | **87.88** | पश्चिम बंगाल |
| Chandigarh | 10.1 | 18.1 | - | - | - | - | **28.2** | चंडीगढ़ |
| Puducherry | 0 | -- | 5.66 | - | - | 3.21 | **8.87** | पुदुचेरी |
| Total | **377.36** | **1885.92** | **110.46** | **775.01** | **5.901** | **232.55** | **3387.201** | **कुल** |

Source: Annual Report 2016-17, National Center of Organic Farming , Department of Agriculture Cooperation & Farmers Welfare

स्रोत: राष्ट्रीय जैविक कृषि केंद्र, वार्षिक रिपोर्ट 2016-17, कृषि एवं सहयोग विभाग, कृषि एवं किसान कल्याण मंत्रालय

* UTs namely A&N, D&D, D&D & Lakshdweep have to value for all the indicator

- : Implies not indicated from sources

## Statement 2.49: State-wise Production of Biofertilizers
## विवरण 2.49 : जैव उर्वरकों का राज्यवार उत्पादन

| Sl. No क्र.सं. | State | Actual production of biofertilizers/जैव उर्वरक का वास्तविक उत्पादन | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | |
| | | Carrier based (in metric tonnes) कैरियर आधारित (मीट्रिक | Liquid Based (in KL) द्रव आधारित (केएल में) | Carrier based (in metric tonnes) कैरियर आधारित (मीट्रिक टन) | Liquid Based (in KL) द्रव आधारित (केएल में) | Carrier based (in metric tonnes) कैरियर आधारित (मीट्रिक टन) | Liquid Based (in KL) द्रव आधारित (केएल में) | Carrier based (in metric tonnes) कैरियर आधारित (मीट्रिक | Liquid Based (in KL) द्रव आधारित (केएल में) | |
| **South Zone** | | | | | | | | | | **दक्षिण अंचल** |
| 1 | Andaman & Nicobar Island | | | | | | | | | अंडमान एवं निकोबार द्वीप समूह |
| 2 | Andhra Pradesh | 2668.8 | 274.856 | 3062.6 | 317.81 | 3375.91 | 365.24 | 4983.60 | 369.75 | आंध्र प्रदेश |
| 3 | Daman & Diu | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | दमन एवं दीव |
| 4 | Karnataka | 16462.62 | 23.06 | 23042.91 | 488.14 | 31553.06 | 993.44 | 34493.00 | 1352.85 | कर्नाटक |
| 5 | Kerala | 4916.97 | 10.51 | 4926.05 | 56.58 | 4993.87 | 59.61 | 6040.10 | 82.85 | केरल |
| 6 | Lakshadweep | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | लक्षद्वीप |
| 7 | Puducherry | 560.95 | 1.49 | 283.64 | 4.09 | 203.97 | 11.20 | 297.58 | 28.37 | पुद्दुचेरी |
| 8 | Tamil Nadu | 15373.29 | 11.3 | 23721.21 | 861.95 | 27427.96 | 875.29 | 28059.40 | 983.86 | तमिलनाडु |
| 9 | Telengana | | | | | | | 574.15 | 43.66 | तेलंगाना |
| **West Zone** | | | | | | | | | | **पश्चिमांचल** |
| 9 | Chhattisgarh | 1024.68 | 9.62 | 954.37 | 9.38 | 955.07 | 10.23 | 969.07 | 16.63 | छत्तीसगढ़ |
| 10 | Gujarat | 3667.93 | 2800.5 | 3963.42 | 2873.3 | 3909.82 | 2857.77 | 4248.15 | 3519.29 | गुजरात |
| 11 | Goa | 802.52 | 0 | 820.52 | 0 | 822.00 | 0.00 | 838.74 | - | गोवा |
| 12 | Madhya Pradesh | 2637.99 | 119.22 | 2741.31 | 131.03 | 5609.01 | 238.10 | 6561.51 | 290.40 | मध्य प्रदेश |
| 13 | Maharashtra | 14847.39 | 324.77 | 7825.14 | 389.66 | 8323.62 | 398.33 | 10024.90 | 427.40 | महाराष्ट्र |
| 14 | Rajasthan | 599.89 | 0 | 680 | 0 | 711.00 | 0.00 | 791.81 | 1.12 | राजस्थान |
| 15 | Dadar & Nagar Haveli | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | दादरा एवं नगर हवेली |
| **North Zone** | | | | | | | | | | **उत्तरांचल** |
| 16 | Delhi | 104.5 | 0 | 106.2 | 0 | 116.20 | 0.00 | 119.72 | - | दिल्ली |
| 17 | Chandigarh | 0 | 0 | 0 | 0 | 0.00 | 0.00 | - | - | चंडीगढ़ |
| 18 | Haryana | 872.96 | 46.49 | 1097.46 | 58.03 | 2360.64 | 70.15 | 2504.61 | 76.00 | हरियाणा |
| 19 | Himachal Pradesh | 0.77 | 33.07 | 2.71 | 190.05 | 3.28 | 194.70 | 8.48 | 209.70 | हिमाचल प्रदेश |
| 20 | Jammu & Kashmir | 0 | 0 | 0 | 0 | 0.00 | 0.00 | - | 0.04 | जम्मू एवं कश्मीर |
| 21 | Punjab | 6305.45 | 74.28 | 2197.19 | 149.58 | 5533.77 | 210.18 | 5645.28 | 236.09 | पंजाब |
| 22 | Uttar Pradesh | 4099.07 | 98.04 | 3053.12 | 223.34 | 2835.79 | 461.19 | 3441.30 | 743.95 | उत्तर प्रदेश |
| 23 | Uttarakhand | 2129.95 | 208.03 | 3549.39 | 428.22 | 3720.68 | 696.90 | 3942.05 | 533.92 | उत्तराखंड |
| **East Zone** | | | | | | | | | | **पूर्व जोन** |
| 24 | Bihar | 64.9 | 0 | 97 | 0 | 107.00 | 0.00 | 128.76 | 0.02 | बिहार |
| 25 | Jharkhand | 9.08 | 0 | 9.17 | 0 | 18.55 | 0.00 | 20.96 | 0.01 | झारखंड |
| 26 | Odisha | 1074.46 | 4.7 | 467.63 | 13.7 | 516.28 | 31.79 | 560.20 | 46.18 | ओडिशा |
| 27 | West Bengal | 2061.83 | 14.63 | 2826.27 | 23.54 | 3195.18 | 26.21 | 3513.07 | 37.74 | पश्चिम बंगाल |
| **North East Zone** | | | | | | | | | | **पूर्वोत्तर जोन** |
| 28 | Arunachal Pradesh | 59 | 0 | 118 | 0 | 119.70 | 0.00 | 232.90 | 0.11 | अरुणाचल प्रदेश |
| 29 | Assam | 88 | 0 | 1315 | 22.5 | 1359.05 | 26.00 | 1742.62 | 33.10 | असम |
| 30 | Manipur | 0 | 0 | 0 | 0 | 25.00 | 0.00 | 23.94 | - | मणिपुर |
| 31 | Meghalaya | 0 | 0 | 0 | 0 | 0.00 | 0.00 | - | - | मेघालय |
| 32 | Mizoram | 3.6 | 0 | 4.2 | 0 | 2.50 | 0.00 | 8.99 | - | मिजोरम |
| 33 | Nagaland | 7.45 | 0 | 8.81 | 0 | 51.45 | 0.00 | 70.62 | - | नागालैंड |
| 34 | Sikkim | 12.4 | 0 | 12.91 | 0 | 16.25 | 0.00 | 33.15 | - | सिक्किम |
| 35 | Tripura | 240 | 0 | 1143.07 | 0 | 1153.50 | 0.00 | 1187.88 | 0.03 | त्रिपुरा |
| | **Total** | **80696.45** | **4054.56** | **88029.30** | **6240.92** | **109020.11** | **7526.33** | **121066.54** | **9033.07** | **कुल** |

Source: Annual Report 2017-18, National Center of Organic Farming, Department of Agriculture Cooperation & Farmers Welfare

स्रोत: राष्ट्रीय जैविक कृषि केंद्र, वार्षिक रिपोर्ट 2017-18, कृषि एवं सहयोग विभाग, कृषि एवं किसान कल्याण मंत्रालय

**Statement 2.50 : Production of biofertilizers**

**विवरण 2.50 : जैव उर्वरकों का उत्पादन**

**(a): State wise type-wise production of Biofertilisers (Carrier Base)**

**(क) : जैव उर्वरकों का राज्यवार और प्रकारवार उत्पादन (कैरियर बेस)**

(during 2016-17 के दौरान) (in Metric Tonnes/मेट्रिक टन में)

| Sl. No. क्र.सं. | State | Name of Biofertiliser जैव उर्वरक का नाम | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Capacity क्षमता | AZB | AZS | RZB | PSB | KMB | ZSB | VAM | ACT | NPK consortium | Other Inoculants* अन्य संरोप्य* | Grand Total कुल योग | |
| 1 | Andhra Pradesh | 3860 | 481.53 | 457.34 | 285.12 | 1217.1 | 189.42 | 13.9 | 628 | 76 | 16.1 | 11.4 | 3375.91 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 120 | 18.1 | 20.1 | 22.3 | - | - | - | - | - | 59.2 | - | 119.7 | अरुणाचल प्रदेश |
| 3 | Assam | 2350 | 174.8 | 453.7 | 152.2 | 575.5 | 0.85 | - | - | - | - | 2 | 1359.05 | असम |
| 4 | Bihar | 150 | 26 | 27 | 23 | 31 | - | - | - | - | - | - | 107 | बिहार |
| 5 | Chhattisgarh | 1815 | 52.17 | 0.84 | 129.28 | 515.52 | - | - | 257.26 | - | - | - | 955.07 | छत्तीसगढ़ |
| 6 | Delhi | 1000 | - | - | | - | | - | | | | - | 0 | दिल्ली |
| 7 | Goa | 822 | - | - | - | - | - | - | 822 | - | - | - | 822 | गोवा |
| 8 | Gujarat | 4370 | 357.46 | 370.31 | 254.6 | 764.35 | 375.68 | 28.45 | 1646.8 | 112.17 | - | - | 3909.82 | गुजरात |
| 9 | Haryana | 11500 | 155.37 | 0 | 88.13 | 155.98 | 348.28 | 14.29 | 1438 | 160 | 0.59 | - | 2360.64 | हरियाणा |
| 10 | Himachal Pradesh | 250 | 0.3 | 1.1 | 0.31 | 0.56 | 1 | - | - | - | - | - | 3.28 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 0.8 | - | - | - | - | - | - | - | - | - | - | 0 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 60 | 4.16 | - | 8.5 | 5.89 | - | - | - | - | - | - | 18.55 | झारखंड |
| 13 | Karnataka | 46862 | 2760.31 | 4067.37 | 2241.75 | 18329.79 | 1489.29 | 1227.09 | 607.56 | 70 | 599.9 | 160 | 31553.06 | कर्नाटक |
| 14 | Kerala | 9046 | 238.12 | 481.33 | 375.89 | 597.07 | 1507.39 | 26.8 | 45.55 | - | 545.83 | 1175.9 | 4993.87 | केरल |
| 15 | Madhya Pradesh | 27800 | 553.82 | 11.2 | 707.64 | 1346.12 | 633.79 | 106.99 | 313.54 | 61 | 1066.42 | 808.5 | 5609.01 | मध्य प्रदेश |
| 16 | Maharashtra | 16400 | 1703.82 | 589.09 | 1241.83 | 3205.64 | 649 | 198.42 | 384.22 | 195.54 | 127.72 | 28.34 | 8323.62 | महाराष्ट्र |
| 17 | Manipur | 50 | 5 | 5 | 5 | 5 | 5 | - | - | - | - | - | 25 | मणिपुर |
| 18 | Meghalaya | - | - | - | - | - | - | - | - | - | - | - | 0 | मेघालय |
| 19 | Mizoram | 4 | 0.5 | 0.15 | 0.6 | 1.25 | - | - | - | - | - | - | 2.5 | मिजोरम |
| 20 | Nagaland | 200 | 34 | 3.99 | 3.26 | 10.2 | - | - | - | - | - | - | 51.45 | नागालैंड |
| 21 | Odisha | 1440 | 106.06 | 23.31 | 177.66 | 209.25 | | | | | | | 516.28 | ओडिशा |
| 22 | Punjab | 8975 | 398.37 | 190.07 | 4.03 | 949.25 | 510.59 | 1157.62 | 1155.39 | 0 | 1128.85 | 39.6 | 5533.77 | पंजाब |

**Statement 2.50 : Production of biofertilizers**

**विवरण 2.50 : जैव उर्वरकों का उत्पादन**

**(a): State wise type-wise production of Biofertilisers (Carrier Base)**

**(क) : जैव उर्वरकों का राज्यवार और प्रकारवार उत्पादन (कैरियर बेस)**

(during 2016-17 के दौरान) (in Metric Tonnes/मेट्रिक टन में)

| Sl. No. क्र.सं. | State | Name of Biofertiliser जैव उर्वरक का नाम | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Capacity क्षमता | AZB | AZS | RZB | PSB | KMB | ZSB | VAM | ACT | NPK consortium | Other Inoculants* अन्य संरोप्य* | Grand Total कुल योग | |
| 23 | Rajasthan | 121 | - | 98 | 295 | - | - | - | - | 89 | 108 | | 711 | राजस्थान |
| 24 | Sikkim | 5.55 | - | 3.9 | 6.8 | - | - | - | - | | | | 16.25 | सिक्किम |
| 25 | Tamil Nadu | 67518.31 | 3451.91 | 5384.33 | 2412.14 | 3142.39 | 143.34 | 77.8 | 5623.88 | 267.35 | 1000 | 5924.83 | 27427.96 | तमिलनाडु |
| 26 | Telengana | - | - | - | - | - | - | - | - | - | | | 0 | तेलंगाना |
| 27 | Tripura | 3000 | 382.3 | 389.1 | - | 382.1 | - | - | - | - | | | 1153.5 | त्रिपुरा |
| 28 | Uttar Pradesh | 3116 | 688.37 | 16.7 | 326.55 | 1118.76 | 11.3 | - | 19.9 | | 81.8 | 572.41 | 2835.79 | उत्तर प्रदेश |
| 29 | Uttarakhand | 6450 | 84.53 | 26.4 | 26.1 | 95.86 | 392 | 391 | 424.9 | | 1165.89 | 1114 | 3720.68 | उत्तराखंड |
| 30 | West Bengal | 13885 | 1092.7 | 495.54 | 545.34 | 688.32 | 34.98 | - | | | | 338.3 | 3195.18 | पश्चिम बंगाल |
| 31 | Puducherry | 2075 | 18.3 | 84.9 | 1.63 | 49.03 | 23.8 | 18.3 | - | - | - | 8 | 203.97 | पुद्दुचेरी |
| **Total** | | **233245.66** | **12788** | **13200.77** | **9334.67** | **33395.92** | **6315.7** | **3260.67** | **13366.9** | **1031.06** | **5900.3** | **10299.48** | **109020.1** | **कुल** |

Source:National Center of Organic Farming, Department of Agriculture Cooperation & Farmers Welfare

स्रोत: राष्ट्रीय जैविक कृषि केंद्र, वार्षिक रिपोर्ट 2016-17, कृषि एवं सहयोग विभाग, कृषि एवं किसान कल्याण मंत्रालय

* : Others include compost enrichers (Trichoderma,Paceliomyces etc.) PGPRs, BGA Azolla

| | | | | | |
|---|---|---|---|---|---|
| AZB | Azotobacter | RZB | Rhizobium | PSB | Phosphate Solubilizing Biofertilizers |
| KMB | Pottassium Mobilizing Bacteria | AZS | Azospirillum | ZSB | Zinc Solubizing Biofertilizers |
| VAM | Vesicular - Arbuscular Mycorrhiza | | | | |

**Statement 2.50 : Production of biofertilizers**

**विवरण 2.50 : जैव उर्वरकों का उत्पादन**

**(a): State wise type-wise production of Biofertilisers (Carrier Base)**

**(क) : जैव उर्वरकों का राज्यवार और प्रकारवार उत्पादन (कैरियर बेस)**

(during 2017-18 के दौरान )

(in Metric Tonnes/मेट्रिक टन में)

| Sl. No. क्र.सं. | State | | Name of Biofertiliser जैव उर्वरक का नाम | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Capacity क्षमता | AZB | AZS | RZB | PSB | KMB | ZSB | VAM | ACT | NPK consortium | Other Inoculants * अन्य संरोप्य* | Grand Total कुल योग | |
| 1 | Andhra Pradesh | 3860 | 993.2 | 778.1 | 784.5 | 1411.6 | 199.2 | 26.8 | 619.6 | 89.6 | 19.9 | 61.1 | 4983.6 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 120 | 54.9 | 62.5 | 36.9 | - | - | - | - | - | 78.6 | - | 232.9 | अरुणाचल प्रदेश |
| 3 | Assam | 2413 | 121.5 | 855.9 | 159.8 | 597.6 | 0.92 | - | - | - | - | 6.9 | 1742.62 | असम |
| 4 | Bihar | 158.2 | 26.1 | 36.6 | 28.6 | 35.9 | 1.56 | - | - | - | - | | 128.76 | बिहार |
| 5 | Chhattisgarh | 1819.1 | 45.6 | 8.98 | 139.8 | 519.2 | - | 0.59 | 254.9 | - | - | - | 969.07 | छतीसगढ़ |
| 6 | Delhi | 1000 | 0.12 | - | - | - | - | - | - | - | - | 119.6 | 119.72 | दिल्ली |
| 7 | Goa | 825.3 | 1.54 | - | 0.054 | 0.65 | - | - | 735.3 | - | - | 101.2 | 838.744 | गोवा |
| 8 | Gujarat | 4444.5 | 488.9 | 499.81 | 279.5 | 779.2 | 379.9 | 41.2 | 1658.2 | 119.6 | - | 1.84 | 4248.15 | गुजरात |
| 9 | Haryana | 11488 | 254.2 | - | 94.6 | 159.6 | 347.6 | 19.6 | 1441 | 187.5 | 0.51 | - | 2504.61 | हरियाणा |
| 10 | Himachal Pradesh | 251.3 | 0.312 | 5.5 | 0.48 | 0.69 | 1.5 | - | - | - | - | - | 8.482 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 0.94 | - | - | - | - | - | - | - | - | - | - | 0 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 61.2 | 4.91 | - | 9.58 | 5.49 | - | - | - | - | - | 0.98 | 20.96 | झारखंड |
| 13 | Karnataka | 46862 | 1471.2 | 1331.1 | 2197.5 | 18342.1 | 8925.1 | 839.4 | 518.1 | 99.8 | 589.5 | 179.2 | 34493 | कर्नाटक |
| 14 | Kerala | 9046 | 389.1 | 992.2 | 498.6 | 699.3 | 1708.6 | 34.6 | 49.3 | - | 584.2 | 1084.2 | 6040.1 | केरल |
| 15 | Madhya Pradesh | 27800 | 694.3 | 25.31 | 789.6 | 1649.2 | 659.1 | 198.6 | 346.5 | 93.2 | 1268.1 | 837.6 | 6561.51 | मध्य प्रदेश |
| 16 | Maharashtra | 16400 | 1983.6 | 599.3 | 1384.6 | 3901.5 | 748.1 | 299.5 | 485.2 | 305.6 | 228.6 | 88.9 | 10024.9 | महाराष्ट्र |
| 17 | Manipur | 50 | 8.3 | 1.8 | 2.6 | 9.3 | 1.94 | - | - | - | - | - | 23.94 | मणिपुर |
| 18 | Meghalaya | - | - | - | - | - | - | - | - | - | - | - | 0 | मेघालय |
| 19 | Mizoram | 4 | 0.99 | 0.91 | 0.78 | 6.31 | - | - | - | - | - | - | 8.99 | मिजोरम |
| 20 | Nagaland | 200 | 39.1 | 8.11 | 4.21 | 19.2 | - | - | - | - | - | - | 70.62 | नागालैंड |
| 21 | Odisha | 1440 | 127.8 | 29.5 | 186.3 | 216.3 | - | 0.3 | - | - | - | - | 560.2 | ओडिशा |
| 22 | Punjab | 8975 | 401.6 | 199.2 | 6.98 | 981.6 | 511.2 | 1164.5 | 1157.2 | - | 1124.6 | 98.4 | 5645.28 | पंजाब |

## Statement 2.50 : Production of biofertilizers
## विवरण 2.50 : जैव उर्वरकों का उत्पादन
### (a): State wise type-wise production of Biofertilisers (Carrier Base)
### (क) : जैव उर्वरकों का राज्यवार और प्रकारवार उत्पादन (कैरियर बेस)

(during 2017-18 के दौरान ) (in Metric Tonnes/मेट्रिक टन में)

| Sl. No. क्र.सं. | State | | Name of Biofertiliser जैव उर्वरक का नाम | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Capacity क्षमता | AZB | AZS | RZB | PSB | KMB | ZSB | VAM | ACT | NPK consortium | Other Inoculants * अन्य संरोप्य* | Grand Total कुल योग | |
| 23 | Rajasthan | 121 | 2.45 | 136.1 | 313.5 | 0.99 | - | 0.57 | - | 116.3 | 129.3 | 92.6 | 791.81 | राजस्थान |
| 24 | Sikkim | 5.55 | - | 9.6 | 8.95 | - | - | - | - | - | - | 14.6 | 33.15 | सिक्किम |
| 25 | Tamil Nadu | 67518.31 | 3959.6 | 7588.6 | 2784.6 | 3844.6 | 204.6 | 94.8 | 5923.8 | 305.6 | 1224.2 | 2129 | 28059.4 | तमिलनाडु |
| 26 | Telengana | - | 90.1 | 78.1 | 70.1 | 60.12 | 31.65 | 40.17 | 80.91 | 71.54 | 51.46 | - | 574.15 | तेलंगाना |
| 27 | Tripura | 3000 | 399.6 | 399.5 | 0.58 | 388.2 | - | - | - | - | - | - | 1187.88 | त्रिपुरा |
| 28 | Uttar Pradesh | 3116 | 998.1 | 298.3 | 333.6 | 1129.5 | 15.4 | - | 23.2 | - | 89.6 | 553.6 | 3441.3 | उत्तर प्रदेश |
| 29 | Uttarakhand | 6450 | 144.5 | 68.6 | 39.8 | 149.5 | 398.6 | 579.5 | 431.2 | 2.25 | 1169.5 | 958.6 | 3942.05 | उत्तराखंड |
| 30 | West Bengal | 13885 | 1099.1 | 699.3 | 529.6 | 799.6 | 39.17 | - | - | - | - | 346.3 | 3513.07 | पश्चिम बंगाल |
| 31 | Puducherry | 2075 | 17.4 | 108.5 | 39.84 | 61.2 | 32.1 | 30.56 | - | - | - | 7.98 | 297.58 | पुद्दुचेरी |
| **Total** | | **233389.4** | **13818.12** | **14821.42** | **10725.55** | **35768.45** | **14206.24** | **3370.69** | **13724.41** | **1390.99** | **6558.07** | **6682.6** | **121066.5** | **कुल** |

Source:National Center of Organic Farming, Department of Agriculture Cooperation & Farmers Welfare

स्रोत: राष्ट्रीय जैविक कृषि केंद्र, वार्षिक रिपोर्ट 2016-17, कृषि एवं सहयोग विभाग, कृषि एवं किसान कल्याण मंत्रालय

* : Others include compost enrichers (Trichoderma,Paceliomyces etc.) PGPRs, BGA Azolla

AZB : Azotobacter RZB : Rhizobium PSB: Phosphate Solubilizing Biofertilizers .- : Implies not indicated from sources

KMB : Pottassium Mobilizing Bacteria AZS : Azospirillum ZSB : Zinc Solubizing Biofertilizers

VAM : Vesicular - Arbuscular Mycorrhiza

## Statement 2.50 : Production of biofertilizers
## विवरण 2.50 : जैव उर्वरकों का उत्पादन

### (b): State wise type-wise production of Biofertilisers (Liquid Base)
### (ख) जैव उर्वरकों का राज्यवार और प्रकारवार उत्पादन (लिक्विड बेस)

(during 2016-17 के दौरान) (in KL/(किलोलीटर में)

| Sl. No क्र.सं. | State | Name of Biofertiliser (Liquid Base) जैव उर्वरक का नाम (तरल आधार) | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AZB | AZS | RZB | PSB | KMB | ZSB | VAM | ACT | NPK consortium | Other Inoculants* अन्य संरोप्य* | Grand Total कुल योग | |
| 1 | Andhra Pradesh | 92.90 | 2.69 | 10.99 | 208.02 | 33.22 | 3.50 | 2.60 | 3.50 | 3.52 | 4.30 | 365.24 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | - | - | - | - | - | - | - | - | - | - | - | अरुणाचल प्रदेश |
| 3 | Assam | 3 | - | - | 3.00 | 20.00 | - | - | - | - | - | 26.00 | असम |
| 4 | Bihar | - | | | | | - | - | - | - | - | | बिहार |
| 5 | Chhattisgarh | 0.50 | 1.48 | 0.19 | 2.63 | 2.04 | 1.89 | | | 1.50 | | 10.23 | छत्तीसगढ़ |
| 6 | Delhi | - | - | - | - | - | - | - | - | - | - | - | दिल्ली |
| 7 | Goa | - | - | - | - | - | - | - | - | - | - | - | गोवा |
| 8 | Gujarat | 472.51 | 289.59 | 188.74 | 572.51 | 338.60 | 26.45 | | 86.33 | 668.04 | 215.00 | 2857.77 | गूजरात |
| 9 | Haryana | 5.08 | 0.05 | 6.60 | 10.04 | 14.82 | 1.37 | | 0.09 | 32.10 | | 70.15 | हरियाणा |
| 10 | Himachal Pradesh | 20.00 | - | 5.00 | 24.50 | 21.00 | 20.00 | 3.90 | | 50.20 | 50.10 | 194.70 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | - | - | - | - | - | - | - | - | - | - | - | जम्मू एवं कश्मीर |
| 12 | Jharkhand | - | - | - | - | - | - | - | - | - | - | - | झारखंड |
| 13 | Karnataka | 51.95 | 419.78 | 90.57 | 191.98 | 102.63 | 48.39 | - | - | 85.80 | 2.35 | 993.44 | कर्नाटक |
| 14 | Kerala | 7.26 | 9.08 | 14.80 | 15.16 | 7.31 | - | 6.00 | - | - | - | 59.61 | केरल |
| 15 | Madhya Pradesh | 27.77 | 10.36 | 25.29 | 131.87 | 9.77 | 9.84 | | 7.31 | 2.39 | 13.50 | 238.10 | मध्य प्रदेश |
| 16 | Maharashtra | 67.75 | 41.97 | 63.82 | 86.52 | 64.33 | | 19.88 | 17.70 | 11.37 | 24.99 | 398.33 | महाराष्ट्र |
| 17 | Manipur | - | - | - | - | - | - | - | - | - | - | - | मणिपूर |
| 18 | Meghalaya | - | - | - | - | - | - | - | - | - | - | - | मेघालय |
| 19 | Mizoram | - | - | - | - | - | - | - | - | - | - | - | मिजोरम |
| 20 | Nagaland | - | - | - | - | - | - | - | - | - | - | - | नागालैंड |
| 21 | Odisha | 8.96 | 6.73 | 6.89 | 7.71 | 0.70 | 0.80 | | | | | 31.79 | ओडिशा |
| 22 | Punjab | 46.61 | 15.16 | 14.20 | 34.26 | 11.13 | 1.61 | 0.06 | 0.67 | 86.47 | - | 210.18 | पंजाब |
| 23 | Rajasthan | - | - | - | - | - | - | - | - | - | - | - | राजस्थान |
| 24 | Sikkim | - | | | | | | | | | | | सिक्किम |
| 25 | Tamil Nadu | 18.90 | 171.37 | 55.13 | 514.90 | 46.41 | 12.42 | 3.30 | 7.00 | 8.54 | 37.32 | 875.29 | तमिलनाडु |
| 26 | Telengana | - | - | - | - | - | - | - | - | - | - | - | तेलंगाना |
| 27 | Tripura | - | - | - | - | - | - | - | - | - | - | - | त्रिपुरा |
| 28 | Uttar Pradesh | 177.57 | 3.90 | - | 333.10 | 17.01 | 3.08 | - | 21.18 | 139.82 | 1.24 | 696.90 | उत्तर प्रदेश |
| 29 | Uttarakhand | 91.38 | 15.35 | 28.75 | 36.03 | 15.20 | 15.20 | 28.80 | - | 230.48 | | 461.19 | उत्तराखंड |
| 30 | West Bengal | 4.09 | 0.95 | 8.58 | 9.87 | 0.97 | 0.50 | 0.40 | - | 0.85 | - | 26.21 | पश्चिम बंगाल |
| 31 | Puducherry | 1.19 | 1.39 | 0.33 | 2.42 | 2.60 | 0.73 | | 1.26 | 0.92 | 0.35 | 11.20 | पुद्दुचेरी |
| | **Total** | **1097.42** | **989.85** | **519.88** | **2184.53** | **707.74** | **145.78** | **64.94** | **145.040** | **1321.996** | **349.15** | **7526.33** | **कुल** |

Source: Annual Report 2016-17, National Center of Organic Farming, Department of Agriculture Cooperation & Farmers Welfare

स्रोत: राष्ट्रीय जैविक कृषि केंद्र, वार्षिक रिपोर्ट 2016-17, कृषि एवं सहयोग विभाग, कृषि एवं किसान कल्याण मंत्रालय

* : Others include compost enrichers (Trichoderma,Paceliomyces etc.) PGPRs, BGA Azolla

## Statement 2.50 : Production of biofertilizers
## विवरण 2.50 : जैव उर्वरकों का उत्पादन

### (b): State wise type-wise production of Biofertilisers (Liquid Base)
### (ख) जैव उर्वरकों का राज्यवार और प्रकारवार उत्पादन (लिक्विड बेस)

(during 2017-18 के दौरान) (in KL/(किलोलीटर में)

| Sl. No क्र.सं. | State | | Name of Biofertiliser (Liquid Base) जैव उर्वरक का नाम (तरल आधार) | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Capacity क्षमता | AZB | AZS | RZB | PSB | KMB | ZSB | VAM | ACT | NPK consortium | Other Inoculants* अन्य संरोप्य* | Grand Total कुल योग | |
| 1 | Andhra Pradesh | 779.6 | 49.9 | 2.98 | 12.66 | 210.3 | 36.5 | 4.6 | 1.1 | 4.9 | 8.51 | 38.3 | 369.75 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | - | 0.06 | 0.01 | 0.01 | 0.02 | - | - | - | 0.002 | - | 0.01 | 0.11 | अरुणाचल प्रदेश |
| 3 | Assam | 1400 | 3.6 | - | - | 3.9 | 25.6 | - | - | - | - | - | 33.1 | असम |
| 4 | Bihar | - | 0.006 | 0.003 | 0.001 | 0.001 | 0.005 | 0.001 | - | - | - | - | 0.02 | बिहार |
| 5 | Chhattisgarh | 800 | 0.78 | 2.56 | 1.19 | 4.24 | 3.06 | 2.2 | - | - | 2.6 | - | 16.63 | छत्तीसगढ़ |
| 6 | Delhi | - | - | - | - | - | - | - | - | - | - | - | - | दिल्ली |
| 7 | Goa | - | - | - | - | - | - | - | - | - | - | - | - | गोवा |
| 8 | Gujarat | 6575 | 598.1 | 391.2 | 289.6 | 673.6 | 439.1 | 37.1 | - | 97.2 | 676.09 | 317.3 | 3519.29 | गुजरात |
| 9 | Haryana | 1590 | 6.1 | 0.075 | 6.95 | 12.6 | 15.1 | 1.45 | - | 0.12 | 33.6 | - | 76 | हरियाणा |
| 10 | Himachal Pradesh | 450 | 21.3 | - | 5.9 | 25.6 | 22.1 | 21.3 | 4.5 | - | 53.6 | 55.4 | 209.7 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | - | 0.005 | 0.003 | 0.001 | 0.0011 | 0.012 | - | - | - | - | 0.02 | 0.04 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | - | - | - | - | - | - | - | - | - | - | 0.01 | 0.01 | झारखंड |
| 13 | Karnataka | 2589.9 | 159.6 | 526.3 | 199.8 | 206.3 | 115.3 | 54.3 | - | - | 87.9 | 3.35 | 1352.85 | कर्नाटक |
| 14 | Kerala | 184.5 | 8.95 | 10.6 | 19.9 | 25.6 | 8.9 | - | 8.9 | - | - | - | 82.85 | केरल |
| 15 | Madhya Pradesh | 1745 | 29.7 | 18.6 | 28.9 | 159.7 | 15.4 | 10.99 | - | 8.65 | 3.36 | 15.1 | 290.4 | मध्य प्रदेश |
| 16 | Maharashtra | 866 | 69.8 | 59.8 | 68.9 | 89.7 | 65.4 | - | 9.4 | 19.8 | 16.5 | 28.1 | 427.4 | महाराष्ट्र |
| 17 | Manipur | - | - | - | - | - | - | - | - | - | - | - | - | मणिपुर |
| 18 | Meghalaya | - | - | - | - | - | - | - | - | - | - | - | - | मेघालय |
| 19 | Mizoram | - | - | - | - | - | - | - | - | - | - | - | | मिजोरम |
| 20 | Nagaland | - | - | - | - | - | - | - | - | - | - | - | - | नागालैंड |
| 21 | Odisha | 1350 | 9.8 | 7.9 | 8.9 | 9.1 | 0.98 | 9.5 | - | - | - | - | 46.18 | ओडिशा |
| 22 | Punjab | 1870 | 49.7 | 17.15 | 19.5 | 39.8 | 16.4 | 2.98 | 0.089 | 0.87 | 89.6 | - | 236.09 | पंजाब |
| 23 | Rajasthan | - | - | - | - | - | - | - | - | - | - | 1.12 | 1.12 | राजस्थान |
| 24 | Sikkim | - | - | - | - | - | - | - | - | - | - | - | - | सिक्किम |
| 25 | Tamil Nadu | 2278.5 | 36.9 | 199.3 | 59.6 | 548.3 | 58.9 | 15.66 | 3.9 | 8.9 | 10.6 | 41.8 | 983.86 | तमिलनाड़ |
| 26 | Telengana | - | 11.9 | 10.6 | 9.8 | 4.5 | 3.2 | 1.1 | 1.05 | 0.1 | 0.006 | 1.4 | 43.66 | तेलंगाना |
| 27 | Tripura | - | - | - | - | - | - | - | - | - | - | 0.03 | 0.03 | त्रिपुरा |
| 28 | Uttar Pradesh | 380 | 187.6 | 4.1 | 3.5 | 338.5 | 19.1 | 4.5 | 0.9 | 25.9 | 157.6 | 2.25 | 743.95 | उत्तर प्रदेश |
| 29 | Uttarakhand | 1400 | 121.6 | 29.4 | 39.1 | 49.8 | 24.6 | 28.1 | 2.16 | 0.005 | 239.1 | 0.05 | 533.92 | उत्तराखंड |
| 30 | West Bengal | 120 | 5.98 | 1.25 | 9.54 | 10.56 | 1.25 | 2.69 | 2.5 | 1.1 | 2.87 | - | 37.74 | पश्चिम बंगाल |
| 31 | Puducherry | 1100 | 3.5 | 4.5 | 1.9 | 4.8 | 5.4 | 1.14 | 0.64 | 2.98 | 3.51 | - | 28.37 | पुदुचेरी |
| | **Total** | **25478.5** | **1374.881** | **1286.331** | **785.652** | **2416.922** | **876.307** | **197.611** | **35.139** | **170.527** | **1385.446** | **504.24** | **9033.06** | **कुल** |

Source:National Center of Organic Farming, Department of Agriculture Cooperation & Farmers Welfare

स्रोत: राष्ट्रीय जैविक कृषि केंद्र, वार्षिक रिपोर्ट 2016-17, कृषि एवं सहयोग विभाग, कृषि एवं किसान कल्याण मंत्रालय

* : Others include compost enrichers (Trichoderma,Paceliomyces etc.) PGPRs, BGA Azolla

## Statement 2.51: Capacity and production of pesticides (Fungicides, Herbicides, Weedicides, Rodenticides, Fumigants)

## विवरण 2.51 : कीटनाशकों (कवकनाशक, तृणनाशक शैवालनाशक, कृतंकनाशक, धूमक) का उत्पादन एवं क्षमता

(in 'MT / मीट्रिक टन में)

| Sl.No. क्र.सं. | Product | 2013-2014 | | 2014-2015 | | 2015-2016 | | 2016-2017 | | उत्पाद |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Installed Capacity संस्थापित क्षमता | Production उत्पादन | Installed Capacity संस्थापित क्षमता | Production उत्पादन | Installed Capacity संस्थापित क्षमता | Production उत्पादन | Installed Capacity संस्थापित क्षमता | Production उत्पादन | |
| **I** | **Fungicides** | | | | | | | | | **कवकनाशक** |
| 1 | CAPTAN & CAPTAFOL | 4730 | 1118 | 3850 | 2382 | 3450 | 2118 | 3430 | 1785 | कैप्टेन और कैप्टाफोल |
| 2 | ZIRAM(THIO BARBAMATE) | 649 | 597 | 697 | 578 | 697 | 508 | 697 | 601 | ज़िरम (थायो बार्बामेट) |
| 3 | CARBENDZIM(BAVISTIN) | 980 | 307 | 980 | 355 | 980 | 242 | 980 | 130 | कार्बेंडाज़िम (बाविस्टन) |
| 4 | MANCOZAB | 71556 | 57824 | 71556 | 61402 | 72456 | 66384 | 77136 | 78480 | मैंकोज़ाब |
| 5 | HEXACONAZOLE | 584 | 576 | 1084 | 593 | 1084 | 622 | 1084 | 462 | हेक्साकोनाज़ोल |
| 6 | METCONAZOLE | 750 | 702 | 750 | 607 | 750 | 389 | 750 | 354 | मेटकोनाज़ोल |
| **II** | **Herbicides** | | | | | | | | | **तृणनाशक** |
| 1 | 2, 4-D | 22000 | 17902 | 22000 | 11623 | 22000 | 18456 | 26000 | 23358 | 2, 4-डी |
| 2 | BUTACHLOR | 500 | 39 | 500 | 0 | 500 | 2 | 500 | 0 | बुटाच्लोर |
| 3 | ETHOFUMESATE TECHNICAL | 1650 | 1014 | 1650 | 619 | 1560 | 502 | 1650 | 1036 | एथाफ्यूमसेट तकनीकी |
| 4 | THIAMETHOXAM TECHNICAL | 3000 | 3311 | 3100 | 1659 | 3100 | 1916 | 3100 | 2507 | थैमेथॉक्साम तकनीकी |
| 5 | PENDIMETHALIN | 2000 | 1707 | 2000 | 2259 | 3000 | 2818 | 4500 | 4038 | पैंडिमेथालिन |
| 6 | METRIBUZIN | 750 | 742 | 750 | 519 | 1200 | 908 | 1200 | 1120 | मेट्रिबुज़िन |
| 7 | TRICLOPYR ACID TECH | 300 | 200 | 300 | 191 | 300 | 300 | 300 | 282 | ट्राईक्लोपिर एसिड तकनीकी |
| **III** | **weedicides** | | | | | | | | | **शैवालनाशक** |
| 1 | ISOPROTURON | 6250 | 2345 | 6250 | 2426 | 6250 | 1952 | 6250 | 132 | आइसोप्रोटूरॉन |
| 2 | GLYPHOSATE | 9260 | 8478 | 9260 | 9688 | 9260 | 6959 | 13160 | 6352 | ग्लाइफॉसेट |
| 3 | DIURON | 330 | 69 | 330 | 122 | 3300 | 1255 | 3720 | 3679 | डायरॉन |
| 4 | ATRAZIN | 500 | 1237 | 500 | 1198 | 500 | 1211 | 500 | 1895 | एट्राज़िन |
| **IV** | **Rodenticides** | | | | | | | | | **कृतंकनाशक** |
| 1 | ZINC PHOSPHIDE | 1320 | 647 | 1320 | 1290 | 1320 | 1500 | 1920 | 1310 | ज़िंक फॉस्फाइड |
| 2 | ALUMINIUM PHOSPHIDE | 3900 | 4469 | 3900 | 5051 | 3900 | 5747 | 4740 | 6402 | ऐलुमीनियम फॉस्फाइड |
| **V** | **Fumigants** | | | | | | | | | **धूमक** |
| 1 | DICOFOL | 150 | 74 | 90 | 107 | 150 | 94 | 150 | 90 | डिकोफॉल |
| | **Total** | **127109** | **98815** | **126877** | **97511** | **131707** | **108042** | **146877** | **127521** | **कुल** |

Source : Chemical and Petrochemical Statistics , Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers

स्रोत : एक नज़र में रासायनिक एवं पेट्रो रासायनिक सांख्यिकी, रसायन एवं पेट्रो रसायन विभाग, रसायन एवं उर्वरक मंत्रालय

Note:1. Information on Production of Pesticides and Insecticides is based on MPRs received from large and Medium Scale units only.

2. Information on production of Pesticides and Insecticides is only on Technical Grade.

## Statement 2.52 : Capacity and production of insecticides

## विवरण 2.52 : कीटनाशकों का उत्पादन एवं क्षमता

(in 'MT /मीट्रिक टन में)

| Sl. No. क्र.सं. | Product | 2013-2014 | | 2014-2015 | | 2015-2016 | | 2016-2017 | | मिल उत्पाद |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Installed Capacity संस्थापित क्षमता | Production उत्पादन | Installed Capacity संस्थापित क्षमता | Production उत्पादन | Installed Capacity संस्थापित क्षमता | Production उत्पादन | Installed Capacity संस्थापित क्षमता | Production उत्पादन | |
| 1 | D.D.T. | 6344 | 2787 | 6344 | 3627 | 6344 | 2093 | 6344 | 2263 | डी.डी.टी |
| 2 | MALATHION | 3800 | 2037 | 2600 | 2241 | 3800 | 2042 | 3800 | 2255 | मेलाथियान |
| 3 | DIMETHOATE | 1450 | 1363 | 1450 | 1433 | 1450 | 1437 | 1450 | 1372 | डीमेथोएट |
| 4 | D.D.V.P. | 30680 | 5515 | 33920 | 6657 | 33920 | 7219 | 33920 | 8130 | डी.डी.वी.पी |
| 5 | QUINALPHOS | 2800 | 1741 | 2800 | 1881 | 2800 | 839 | 2800 | 1289 | क्यूनीलफोस |
| 6 | MONOCROTOPHOS | 12236 | 4268 | 13180 | 6967 | 13940 | 5484 | 13940 | 6577 | मोनोक्रोटोफोस |
| 7 | PHOSPHAMIDON | 2000 | 45 | 2000 | 128 | 2000 | 128 | 2000 | 90 | फॉस्फामिडोन |
| 8 | PHORATE | 10125 | 6850 | 10125 | 6619 | 10125 | 5916 | 12400 | 5910 | फोरेट |
| 9 | ETHION | 2500 | 1514 | 2500 | 1604 | 2200 | 1717 | 2200 | 2112 | ईथीऑन |
| 10 | ENDOSULPHAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | एंडोसुल्फान |
| 11 | FENVALERATE | 3600 | 751 | 3600 | 512 | 3600 | 557 | 3600 | 529 | फेनवालरेट |
| 12 | CYPERMETHRIN | 27790 | 9262 | 27790 | 8587 | 26020 | 8526 | 22560 | 7875 | साइपरमीथ्रीन |
| 13 | ACEPHATE | 19250 | 14510 | 19250 | 17971 | 19670 | 16580 | 19670 | 16265 | एसीफेट |
| 14 | CHLORPYRIPHOS | 14300 | 9541 | 16455 | 9731 | 16850 | 6865 | 19150 | 5867 | क्लोरपाइरीफोस |
| 15 | TRIAZOPHOS | 3900 | 994 | 3900 | 1000 | 3900 | 1718 | 3360 | 2373 | ट्राइज़ोफोस |
| 16 | TEMEPHOS | 250 | 250 | 250 | 0 | 250 | 79 | 250 | 84 | टेमेफोस |
| 17 | DELTAMETHRIN | 625 | 516 | 625 | 511 | 614 | 382 | 614 | 372 | डेल्टामिथ्रीन |
| 18 | ALPHAMETHRIN | 350 | 562 | 510 | 746 | 504 | 231 | 504 | 101 | अल्फामिथ्रीन |
| 19 | PROFENOFOS TECHNICAL | 14600 | 7179 | 14900 | 7577 | 12900 | 6853 | 10500 | 10504 | प्रोफेनफोस टेक्निकल |
| 20 | PRETILACHLOR TECHNICAL | 2840 | 2216 | 2560 | 1876 | 2580 | 1941 | 2580 | 2581 | प्रीटिलैचलर तकनीकी |
| 21 | LAMBDA CYHALOTHRIN | 2400 | 545 | 2400 | 473 | 2400 | 418 | 2400 | 740 | लाम्ब्डा सिहालोथ्रिन |
| 22 | PHENTHOATE | 900 | 1242 | 900 | 1400 | 900 | 1113 | 900 | 1137 | फेनथोऐट |
| 23 | PERMETHRIN TECH | 1800 | 1390 | 1800 | 1696 | 1970 | 1301 | 1970 | 1104 | पर्मिथ्रिन टेक |
| 24 | IMIDACALOPRID TECH | 825 | 943 | 975 | 560 | 1125 | 200 | 1125 | 175 | इमिडाकालोप्रिड टेक |

Source : Chemical and Petrochemical Statistics at a Glance-2017

स्रोत : एक नज़र में रासायनिक एवं पेट्रो रासायनिक सांख्यिकी-2017

Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers

Note: 1. Information on Production of Pesticides and Insecticides is based on MPRs received from large and Medium Scale units only.

2. Information on production of Pesticides and Insecticides is only on Technical Grade.

## Statement 2.53: Livestock population

## विवरण 2.53 : पशुधन आबादी

### All India census estimates (in Million Numbers)

### अखिल भारतीय जनगणना के अनुमान (संख्या मिलियन में)

| Sl. No. क्र. सं. | Species | 1951 | 1956 | 1961 | 1966 | 1972 | 1977 | 1982 | 1987 | 1992 | 1997 | 2003 | 2007 | 2012 | प्रजाति |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cattle | 155.30 | 158.70 | 175.60 | 176.20 | 178.30 | 180.00 | 192.45 | 199.69 | 204.58 | 198.88 | 185.18 | 199.08 | 190.90 | मवेशी |
| 2 | Adult female cattle* | 54.40 | 47.30 | 51.00 | 51.80 | 53.40 | 54.60 | 59.21 | 62.07 | 64.36 | 64.43 | 64.51 | 72.92 | 76.69 | वयस्क मादा मवेशी* |
| 3 | Buffaloes | 43.40 | 44.90 | 51.20 | 53.00 | 57.40 | 62.00 | 69.78 | 75.97 | 84.21 | 89.92 | 97.92 | 105.34 | 108.70 | भैंस |
| 4 | Adult female buffaloes** | 21.00 | 21.70 | 24.30 | 25.40 | 28.60 | 31.30 | 32.50 | 39.13 | 43.81 | 46.77 | 50.97 | 54.47 | 56.59 | व्यस्क मादा भैंस** |
| 5 | Total cattle & buffaloes | 198.70 | 203.60 | 226.80 | 229.20 | 235.70 | 242.00 | 262.36 | 275.82 | 289.00 | 288.80 | 283.10 | 304.42 | 299.98 | कुल मवेशी एवं भैंस |
| 6 | Sheep | 39.10 | 39.30 | 40.20 | 42.40 | 40.00 | 41.00 | 48.76 | 45.70 | 50.78 | 57.49 | 61.47 | 71.56 | 65.07 | भेड़ |
| 7 | Goats | 47.20 | 55.40 | 60.90 | 64.60 | 67.50 | 75.60 | 95.25 | 110.21 | 115.28 | 122.72 | 124.36 | 140.54 | 135.17 | बकरी |
| 8 | Horses & ponies | 4.50 | 1.50 | 1.30 | 1.10 | 0.90 | 0.90 | 0.90 | 0.80 | 0.82 | 0.83 | 0.75 | 0.61 | 0.63 | घोड़े और टट्टू |
| 9 | Camels | 0.60 | 0.80 | 0.90 | 1.00 | 1.10 | 1.10 | 1.08 | 1.00 | 1.03 | 0.91 | 0.63 | 0.52 | 0.40 | ऊँट |
| 10 | Pigs | 4.40 | 4.90 | 5.20 | 5.00 | 6.90 | 7.60 | 10.07 | 10.63 | 12.79 | 13.29 | 13.52 | 11.13 | 10.29 | सुअर |
| 11 | Mules | 0.06 | 0.04 | 0.05 | 0.08 | 0.08 | 0.09 | 0.13 | 0.17 | 0.19 | 0.22 | 0.18 | 0.14 | 0.20 | खच्चर |
| 12 | Donkeys | 1.30 | 1.10 | 1.10 | 1.10 | 1.00 | 1.00 | 1.02 | 0.96 | 0.97 | 0.88 | 0.65 | 0.44 | 0.32 | गधा |
| 13 | Yaks | NC | NC | 0.02 | 0.03 | 0.04 | 0.13 | 0.13 | 0.04 | 0.06 | 0.06 | 0.06 | 0.08 | 0.08 | याक |
| | **Total Livestock** | **292.80** | **306.60** | **335.40** | **344.10** | **353.60** | **369.00** | **419.59** | **445.29** | **470.86** | **485.39** | **485.00** | **529.70** | **512.06** | **कुल पशुधन** |
| 15 | Poultry | 73.50 | 94.80 | 114.20 | 115.40 | 138.50 | 159.20 | 207.74 | 275.32 | 307.07 | 347.61 | 489.01 | 648.83 | 729.21 | मुर्गीपालन |
| 16 | Dogs | NC | NC | NC | NC | NC | NC | 18.54 | 17.92 | 21.77 | 25.48 | 29.03 | 19.09 | 11.67 | कुत्तें |
| 17 | Rabbits | NC | NC | NC | NC | NC | NC | NC | NC | NC | NC | 0.48 | 0.42 | 0.59 | खरगोश |

Source: Livestock Census, Directorate of Economics & Statistics and Animal Husbandary Statistics Division, Department of Animal Husbandary, Dairying & Fisheries , Ministry of Agriculture and Farmers' Welfare

स्रोत: पशुधन जनगणना, आर्थिक एवं सांख्यिकी निदेशालय तथा पशुपालन सांख्यिकी प्रभाग, पशुपालन, डेयरी एवं मछली पालन विभाग, कृषि एंव किसान कल्याण मंत्रालय

* : Includes number of Exotic/Crossbred and Indigenous Cattle over the age 2.5 years for Crossbred other 3 years

**: Includes Buffaloes over 3 years of age

NC : Not Collected

## Statement 2.54 : Number of animals slaughtered and Meat Production in the year 2016-17

## विवरण 2.54 : वर्ष 2016-17 में वध किए गए पशुओं की संख्या तथा मांस उत्पादन

| Sl.No. क्र.सं. | States/ UTs | Animal Slaughtered (In 000 nos.) वध किए गए पशु (संख्या 000 में) | | | | | | Meat Production (In 000 tons) मांस उत्पादन (000 टन में) | | | | | | राज्य / संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cattle मवेशी | Buffalo भैंस | Sheep भेड़ | Goat बकरी | Pig सूअर | Poultry मुर्गीपालन | Cattle मवेशी | Buffalo भैंस | Sheep भेड़ | Goat बकरी | Pig सूअर | Poultry मुर्गीपालन | |
| 1 | Andhra Pradesh | - | 919.64 | 13023.80 | 3730.44 | 57.67 | 223899.31 | 0.00 | 87.12 | 177.94 | 47.57 | 2.08 | 317.80 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 89.57 | 11.85 | 32.62 | 214.77 | 92.16 | 475.34 | 10.15 | 1.66 | 0.38 | 2.40 | 5.33 | 0.57 | अरुणाचल प्रदेश |
| 3 | Assam | 52.22 | 1.58 | 236.10 | 2061.24 | 570.84 | 7221.28 | 3.20 | 0.11 | 1.53 | 14.60 | 18.72 | 8.69 | असम |
| 4 | Bihar | 545.00 | 1006.82 | 230.14 | 8600.34 | 3282.52 | 69338.11 | 32.02 | 74.29 | 1.87 | 85.38 | 79.38 | 53.32 | बिहार |
| 5 | Chhattisgarh | - | - | 116.14 | 855.13 | 73.77 | 29327.72 | 0.00 | - | 1.49 | 10.86 | 2.10 | 34.71 | छत्तीसगढ़ |
| 6 | Delhi | - | - | - | - | - | - | - | - | - | - | - | - | दिल्ली |
| 7 | Goa | 1.13 | - | - | 257.14 | 50.16 | 2253.43 | 0.09 | - | 0.00 | 3.33 | 0.85 | 2.93 | गोवा |
| 8 | Gujarat | - | 14.44 | 46.12 | 90.31 | 3.83 | 29184.85 | 0.00 | 1.33 | 0.50 | 1.01 | 0.09 | 30.41 | गुजरात |
| 9 | Haryana | - | - | 370.70 | 354.57 | 150.93 | 318541.78 | 0.00 | - | 6.63 | 6.24 | 6.86 | 407.75 | हरियाणा |
| 10 | Himachal Pradesh | - | - | 51.85 | 114.89 | 2.21 | 867.58 | 0.00 | - | 0.99 | 2.25 | 0.11 | 1.05 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | - | 51.29 | 1353.85 | 1016.62 | 0.00 | 37081.05 | 0.00 | 6.06 | 19.59 | 14.74 | - | 44.71 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | - | 32.90 | 153.90 | 2049.55 | 478.59 | 13250.40 | 0.00 | 2.99 | 1.36 | 18.71 | 19.00 | 12.67 | झारखंड |
| 13 | Karnataka | 387.42 | 85.16 | 1450.58 | 1902.65 | 370.97 | 54707.90 | 41.34 | 9.52 | 22.59 | 28.65 | 19.85 | 87.12 | कर्नाटक |
| 14 | Kerala | 1300.52 | 1159.11 | 0.00 | 1631.73 | 93.19 | 125835.30 | 146.05 | 106.07 | - | 21.17 | 6.80 | 188.76 | केरल |
| 15 | Madhya Pradesh | - | 229.15 | 61.48 | 1603.55 | 51.82 | 31199.63 | 0.00 | 25.78 | 0.81 | 23.96 | 1.67 | 26.41 | मध्य प्रदेश |
| 16 | Maharashtra | - | 900.62 | 1202.05 | 8698.96 | 1070.01 | 211717.77 | 0.00 | 165.43 | 14.97 | 102.50 | 44.66 | 517.45 | महाराष्ट्र |
| 17 | Manipur | 98.63 | 43.70 | 11.17 | 30.39 | 161.91 | 3459.16 | 8.65 | 4.52 | 0.11 | 0.28 | 6.85 | 7.06 | मणिपूर |
| 18 | Meghalaya | 251.80 | 4.73 | - | 132.81 | 319.21 | 1981.40 | 22.63 | 0.56 | - | 1.37 | 13.84 | 2.61 | मेघालय |
| 19 | Mizoram | 39.60 | 1.46 | - | 15.62 | 85.80 | 1026.77 | 5.07 | 0.20 | - | 0.13 | 7.37 | 2.03 | मिजोरम |
| 20 | Nagaland | 68.80 | 27.54 | - | 42.56 | 213.22 | 972.93 | 8.50 | 4.41 | - | 0.67 | 17.01 | 0.78 | नागालैंड |
| 21 | Odisha | - | - | 1348.38 | 5656.39 | 254.34 | 54195.79 | 0.00 | - | 15.52 | 69.48 | 9.14 | 82.37 | ओडिशा |
| 22 | Punjab | - | 890.70 | 204.73 | 511.80 | 17.12 | 119831.50 | 0.00 | 124.49 | 3.12 | 8.00 | 0.96 | 112.07 | पंजाब |
| 23 | Rajasthan | - | 472.51 | 4700.65 | 5914.27 | 381.88 | 7659.08 | 0.00 | 24.83 | 57.32 | 73.98 | 15.57 | 8.40 | राजस्थान |
| 24 | Sikkim | 9.08 | 1.22 | - | 12.91 | 14.03 | 775.25 | 1.55 | 0.29 | - | 0.18 | 1.01 | 1.36 | सिक्किम |
| 25 | Tamil Nadu | 351.11 | 18.60 | 3778.37 | 5083.25 | 56.34 | 276328.60 | 43.16 | 2.57 | 45.23 | 52.24 | 2.11 | 427.53 | तमिलनाडु |
| 26 | Telangana | - | 948.34 | 11100.45 | 4823.65 | 119.98 | 224584.20 | 0.00 | 96.03 | 145.53 | 58.30 | 3.17 | 288.00 | तेलंगाना |
| 27 | Tripura | - | - | - | 400.72 | 229.72 | 18155.49 | 0.00 | - | - | 1.77 | 12.43 | 25.48 | त्रिपुरा |
| 28 | Uttar Pradesh | - | 5171.85 | 1558.38 | 8402.68 | 3040.43 | 299607.53 | 0.00 | 694.64 | 17.32 | 143.60 | 137.06 | 353.49 | उत्तर प्रदेश |
| 29 | Uttarakhand | - | 32.51 | 144.40 | 665.29 | 67.68 | 7749.10 | 0.00 | 4.01 | 2.22 | 10.15 | 3.16 | 8.86 | उत्तराखंड |
| 30 | West Bengal | 107.49 | 102.62 | 1956.08 | 26732.88 | 978.23 | 118577.81 | 13.97 | 13.94 | 17.94 | 232.09 | 30.78 | 397.16 | पश्चिम बंगाल |
| 31 | Andaman & Nicobar Island | 0.36 | 0.22 | - | 8.51 | 8.62 | 2582.55 | 0.08 | 0.05 | - | 0.12 | 0.48 | 4.32 | अंडमान एवं निकोबार द्वीप समूह |
| 32 | Chandigarh | - | - | 20.72 | 40.25 | 7.39 | 0.00 | 0.00 | - | 0.21 | 0.40 | 0.33 | - | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | - | - | - | - | - | - | - | - | - | - | - | - | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 1.62 | - | 28.13 | 0.00 | 0.00 | 0.00 | 0.17 | - | 0.39 | - | - | - | दमन एवं दीव |
| 35 | Lakshadweep | 0.72 | - | - | 11.15 | 0.00 | 214.85 | 0.04 | - | - | 0.06 | - | 0.32 | लक्षद्वीप |
| 36 | Puducherry | 15.07 | 0.85 | 87.33 | 584.33 | 0.35 | 5166.68 | 1.26 | 0.09 | 0.89 | 4.94 | 0.01 | 7.43 | पुद्दुचेरी |
| **Total** | | **3320.15** | **12129.98** | **43268.10** | **92251.32** | **12304.90** | **2297770.15** | **337.91** | **1450.98** | **556.44** | **1041.11** | **468.80** | **3463.65** | **कुल** |

*Source: Basic Animal Husbandry Statistics 2017, Department of Animal Husbandary Dairying & Fisheries, Ministry of Agriculture & Farmers Welfare, State/UT Animal Husbandry Departments*

*स्रोत: पशुपालन, डेयरी एवं मछली पालन विभाग, कृषि एवं किसान कल्याण मंत्रालय, राज्य/संघ राज्य क्षेत्र के पशुपालन विभाग*

*Note: estimated number of animals from rural and urban area are taken together* - not received/not available

## Statement 2.54 : Number of animals slaughtered and Meat Production in the year 2017-18

## विवरण 2.54 : वर्ष 2017-18 में वध किए गए पशुओं की संख्या तथा मांस उत्पादन

| Sl. No. क्र.सं. | States/ UTs | Animal Slaughtered (In 000 nos.) वध किए गए पशु (संख्या 000 में) | | | | | | Meat Production (In 000 tons) उत्पादन (000 टन में) मांस | | | | | | राज्य / संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cattle मवेशी | Buffalo भैंस | Sheep भेड़ | Goat बकरी | Pig सूअर | Poultry मुर्गीपालन | Cattle मवेशी | Buffalo भैंस | Sheep भेड़ | Goat बकरी | Pig सूअर | Poultry मुर्गीपालन | |
| 1 | Andhra Pradesh | 0.00 | 786.23 | 12825.59 | 3659.69 | 63.23 | 271651.12 | 0.00 | 84.75 | 183.39 | 48.26 | 2.30 | 390.06 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 101.85 | 11.32 | 17.39 | 232.14 | 92.03 | 487.72 | 11.15 | 1.58 | 0.20 | 2.60 | 5.26 | 0.59 | अरुणाचल प्रदेश |
| 3 | Assam | 54.22 | 2.15 | 243.79 | 2057.23 | 595.10 | 7348.97 | 3.31 | 0.14 | 1.63 | 14.52 | 19.37 | 9.38 | असम |
| 4 | Bihar | 509.76 | 1023.94 | 230.56 | 8714.93 | 3321.25 | 77063.62 | 30.25 | 84.02 | 1.89 | 88.34 | 79.13 | 59.38 | बिहार |
| 5 | Chhattisgarh | 0.00 | 0.00 | 144.91 | 1004.79 | 96.56 | 30276.56 | 0.00 | 0.00 | 1.87 | 12.83 | 2.47 | 38.00 | छत्तीसगढ़ |
| 6 | Delhi | - | - | - | - | - | - | - | - | - | - | - | - | दिल्ली |
| 7 | Goa | 10.03 | 0.00 | 0.00 | 243.34 | 49.84 | 2683.90 | 0.90 | 0.00 | 0.00 | 3.16 | 0.85 | 3.49 | गोवा |
| 8 | Gujarat | 0.00 | 10.43 | 54.11 | 78.75 | 4.24 | 29447.20 | 0.00 | 0.96 | 0.58 | 0.88 | 0.10 | 30.71 | गुजरात |
| 9 | Haryana | 0.00 | 25.49 | 1043.39 | 411.56 | 148.99 | 340749.68 | 0.00 | 3.64 | 12.83 | 6.81 | 6.78 | 440.32 | हरियाणा |
| 10 | Himachal Pradesh | 0.00 | 0.00 | 49.75 | 119.06 | 3.16 | 839.73 | 0.00 | 0.00 | 0.93 | 2.25 | 0.12 | 1.19 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 0.00 | 42.86 | 1650.08 | 923.49 | 0.00 | 44262.32 | 0.00 | 5.39 | 21.06 | 12.12 | 0.00 | 48.89 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 0.00 | 0.71 | 141.64 | 2027.83 | 529.26 | 17232.59 | 0.00 | 0.07 | 1.03 | 18.57 | 21.35 | 16.52 | झारखंड |
| 13 | Karnataka | 298.90 | 74.11 | 2404.16 | 1605.08 | 118.06 | 59460.36 | 33.23 | 8.40 | 35.63 | 22.90 | 6.52 | 121.34 | कर्नाटक |
| 14 | Kerala | 1419.46 | 867.33 | 0.00 | 1737.59 | 94.83 | 121313.38 | 159.17 | 98.44 | 0.00 | 22.42 | 6.88 | 181.97 | केरल |
| 15 | Madhya Pradesh | 0.00 | 252.91 | 67.37 | 1804.28 | 58.97 | 36249.22 | 0.00 | 28.38 | 0.90 | 27.26 | 1.90 | 30.79 | मध्य प्रदेश |
| 16 | Maharashtra | 0.00 | 952.54 | 1274.34 | 9781.76 | 1200.43 | 327179.14 | 0.00 | 168.78 | 16.18 | 118.03 | 50.75 | 571.20 | महाराष्ट्र |
| 17 | Manipur | 99.25 | 45.81 | 10.25 | 32.99 | 159.46 | 3417.72 | 8.89 | 4.77 | 0.10 | 0.31 | 6.95 | 6.69 | मणिपूर |
| 18 | Meghalaya | 257.44 | 4.83 | 0.00 | 130.10 | 330.22 | 2651.78 | 23.17 | 0.57 | 0.00 | 1.35 | 14.38 | 3.62 | मेघालय |
| 19 | Mizoram | 42.01 | 1.61 | 0.00 | 17.76 | 91.61 | 1020.42 | 5.37 | 0.22 | 0.00 | 0.15 | 7.90 | 2.04 | मिजोरम |
| 20 | Nagaland | 80.77 | 28.74 | 0.00 | 43.33 | 210.00 | 621.48 | 9.73 | 4.56 | 0.00 | 0.68 | 16.93 | 0.51 | नागालैंड |
| 21 | Odisha | 0.00 | 0.00 | 1439.05 | 5934.27 | 246.60 | 55643.55 | 0.00 | 0.00 | 16.56 | 73.37 | 8.90 | 84.59 | ओडिशा |
| 22 | Punjab | 0.00 | 1029.94 | 261.10 | 552.11 | 18.37 | 122350.66 | 0.00 | 148.32 | 4.00 | 8.64 | 1.02 | 114.39 | पंजाब |
| 23 | Rajasthan | 0.00 | 693.13 | 4428.47 | 6055.74 | 311.97 | 7706.09 | 0.00 | 34.82 | 57.39 | 74.52 | 11.79 | 9.97 | राजस्थान |
| 24 | Sikkim | 14.13 | 2.31 | 0.00 | 12.02 | 13.40 | 772.46 | 1.47 | 0.37 | 0.00 | 0.18 | 1.00 | 1.38 | सिक्किम |
| 25 | Tamil Nadu | 378.84 | 20.92 | 4554.90 | 5287.66 | 71.77 | 282903.04 | 46.36 | 2.88 | 54.46 | 56.21 | 2.81 | 440.62 | तमिलनाडु |
| 26 | Telangana | 0.00 | 1042.85 | 12030.48 | 5083.93 | 146.83 | 242615.93 | 0.00 | 106.72 | 158.39 | 62.03 | 3.64 | 314.25 | तेलंगाना |
| 27 | Tripura | 0.00 | 0.00 | 0.00 | 395.72 | 234.01 | 18803.63 | 0.00 | 0.00 | 0.00 | 1.82 | 13.63 | 29.80 | त्रिपुरा |
| 28 | Uttar Pradesh | 0.00 | 4277.27 | 990.55 | 5959.62 | 1569.02 | 299144.77 | 0.00 | 624.32 | 10.96 | 92.74 | 66.46 | 356.64 | उत्तर प्रदेश |
| 29 | Uttarakhand | 0.00 | 34.25 | 148.64 | 692.33 | 68.20 | 7940.51 | 0.00 | 4.23 | 2.29 | 10.58 | 3.19 | 9.16 | उत्तराखंड |
| 30 | West Bengal | 127.55 | 104.45 | 2090.46 | 28614.28 | 1038.62 | 124436.43 | 15.79 | 13.91 | 19.37 | 253.54 | 32.75 | 437.28 | पश्चिम बंगाल |
| 31 | Andaman & Nicobar Island | 0.41 | 0.18 | 0.00 | 9.52 | 9.36 | 2642.97 | 0.09 | 0.04 | 0.00 | 0.13 | 0.52 | 4.43 | अंडमान एवं निकोबार द्वीप समूह |
| 32 | Chandigarh | 0.00 | 0.00 | 22.26 | 44.11 | 7.14 | 35.25 | 0.00 | 0.00 | 0.23 | 0.46 | 0.33 | 0.05 | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | - | - | - | - | - | - | - | - | - | - | - | - | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 0.00 | 0.00 | 0.00 | 20.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | दमन एवं दीव |
| 35 | Lakshadweep | 0.58 | 0.00 | 0.00 | 11.25 | 0.00 | 217.93 | 0.03 | 0.00 | 0.00 | 0.06 | 0.00 | 0.33 | लक्षद्वीप |
| 36 | Puducherry | 14.99 | 0.89 | 92.97 | 618.05 | 0.52 | 5128.68 | 1.25 | 0.09 | 0.94 | 4.97 | 0.01 | 7.36 | पुद्दुचेरी |
| **Total** | | **3410.18** | **11337.19** | **46216.23** | **93917.18** | **10903.06** | **2544298.80** | **350.16** | **1430.37** | **602.80** | **1042.92** | **395.99** | **3766.94** | **कुल** |

*Source: Basic Animal Husbandry Statistics 2018, Department of Animal Husbandary Dairying & Fisheries, Ministry of Agriculture & Farmers Welfare, State/UT Animal Husbandry Departments*

*स्रोतः पशुपालन, डेयरी एवं मछली पालन विभाग, कृषि एवं किसान कल्याण मंत्रालय, राज्य/संघ राज्य क्षेत्र के पशुपालन विभाग।*

*Note: estimated number of animals from rural and urban area are taken together* - not received/not available

**Statement 2.55 : Species-wise incidence of livestock diseases in India**

**विवरण 2.55 : भारत में पशुओं की बीमारियों की प्रजातिवार व्यापकता**

| Sl. No. क्र.सं. | Disease रोग | Species | January 2018 to November, 2018 जनवरी, 2018 से नवम्बर, 2018 | | | प्रजाति |
|---|---|---|---|---|---|---|
| | | | Outbreak प्रकोप | Attack हमला | Death मृत्यु | |
| 1 | **Foot & Mouth Disease खुरपाक एवं मुंहपाक** | Bovine | 148 | 48043 | 199 | बोवाइन |
| | | Buffalo | 3 | 11 | 0 | भैंस |
| | | Ovine/ Caprine | 6 | 103 | 0 | ओवाइन / कैप्राइन |
| | | Swine | 2 | 5 | 0 | स्वाइन |
| | | **Total** | **159** | **48162** | **199** | **कुल** |
| 2 | **Haemorrhagic Septicaemia रक्तस्रावी पूतिता** | Bovine | 26 | 921 | 117 | बोवाइन |
| | | Buffalo | 4 | 186 | 82 | भैंस |
| | | Ovine/ Caprine | 6 | 640 | 51 | ओवाइन / कैप्राइन |
| | | **Total** | **36** | **1747** | **250** | **कुल** |
| 3 | **Black Quarter ब्लैक क्वार्टर** | Bovine | 6 | 88 | 53 | बोवाइन |
| | | **TOTAL** | **6** | **88** | **53** | **कुल** |
| 4 | **Anthrax ऐन्थ्रैक्स** | Bovine | 19 | 120 | 115 | बोवाइन |
| | | Buffalo | 16 | 257 | 243 | भैंस |
| | | Ovine/ Caprine | 1 | 1 | 1 | ओवाइन / कैप्राइन |
| | | **Total** | **36** | **378** | **359** | **कुल** |
| 5 | **Fascioliasis फैसियोलियासिस** | Bovine | 32 | 3236 | 15 | बोवाइन |
| | | Buffalo | 21 | 314 | 0 | भैंस |
| | | Ovine/ Caprine | 22 | 1420 | 0 | ओवाइन / कैप्राइन |
| | | **Total** | **75** | **4970** | **15** | **कुल** |
| 6 | **Enteroxaemia ऐंटरोक्सेमिया** | Ovine/ Caprine | **34** | **1321** | **468** | ओवाइन / कैप्राइन |
| 7 | **Sheep and Goat Pox भेड़ एवं बकरी की बड़ी माता** | Ovine/ Caprine | **28** | **2382** | **1006** | ओवाइन / कैप्राइन |
| 8 | **Blue Tongue नीली जीभ** | Ovine/ Caprine | **26** | **2940** | **229** | ओवाइन / कैप्राइन |
| 9 | **CCPP सीसीपीपी** | Ovine/ Caprine | **5** | **234** | **95** | ओवाइन / कैप्राइन |
| 10 | **Amphistomiasis एम्फिस्टोमियासिस** | Bovine | 24 | 1101 | 1 | बोवाइन |
| | | Buffalo | 4 | 29 | 0 | भैंस |
| | | Ovine/ Caprine | 20 | 3244 | 0 | ओवाइन / कैप्राइन |
| | | Total | **48** | **4374** | **1** | **कुल** |
| 11 | **Swine Fever स्वाइन बुखार** | Swine | **19** | **679** | **184** | स्वाइन |
| 12 | **Salmonellosis साल्मोनेलोसिस** | Avian | 162 | 185450 | 5243 | एवियन |
| 13 | **Coccidiosis कॉकिडिऑसिस** | Bovine | 10 | 9341 | 254 | बोवाइन |
| | | Ovine/ Caprine | 8 | 166 | 0 | ओवाइन / कैप्राइन |
| | | Avian | 119 | 89415 | 2250 | एवियन |
| | | **Total** | **137** | **98922** | **2504** | **कुल** |
| 14 | **Ranikhet Disease रानीखेत रोग** | Avian | **32** | **13662** | **5511** | एवियन |
| 15 | **Fowl Pox फाउल पॉक्स** | Avian | **41** | **11596** | **2950** | एवियन |

**Statement 2.55 : Species-wise incidence of livestock diseases in India**

**विवरण 2.55 : भारत में पशुओं की बीमारियों की प्रजातिवार व्यापकता**

| Sl. No. क्र.सं. | Disease रोग | Species | January 2018 to November, 2018 जनवरी, 2018 से नवम्बर, 2018 | | | प्रजाति |
|---|---|---|---|---|---|---|
| | | | Outbreak प्रकोप | Attack हमला | Death मृत्यु | |
| 16 | **Fowl Cholera फाउल कॉलरा** | Avian | **7** | **8219** | **4345** | एवियन |
| 17 | **Marek's Disease मारेक रोग** | Avian | **3** | **10116** | **8** | एवियन |
| 18 | **Infectious Bursal Disease (I.B.D) संक्रामक बूर्सल रोग (आईबीडी)** | Avian | **15** | **12973** | **208** | एवियन |
| 19 | **Coryza नजला** | Avian | **8** | **196464** | **987** | एवियन |
| 20 | **Chronic Respiratory Disease (CRD) चिरकालिक श्वसन रोग (सीआरडी)** | Avian | **75** | **252125** | **2388** | एवियन |
| 21 | **Canine Distemper कैनाइन डिस्टेम्पर** | Canine | **3** | **12** | **0** | कैनाइन |
| 22 | **Rabies रेबीज़** | Bovine | 28 | 258 | 258 | बोवाइन |
| | | Buffalo | 4 | 25 | 25 | भैंस |
| | | Ovine/ Caprine | 4 | 59 | 59 | ओवाइन / कैप्राइन |
| | | Canine | 10 | 41 | 41 | कैनाइन |
| | | **Total** | **46** | **383** | **383** | **कुल** |
| 23 | **Babesiosis बेबीसिऑसिस** | Bovine | 96 | 2281 | 32 | बोवाइन |
| | | Buffalo | 7 | 194 | 1 | भैंस |
| | | **Total** | **103** | **2475** | **33** | **कुल** |
| 24 | **Mastitis मैस्टाइटिस** | Bovine | 26 | 6509 | 0 | बोवाइन |
| | | Buffalo | 7 | 10 | 0 | भैंस |
| | | Ovine/ Caprine | 10 | 79 | 0 | ओवाइन / कैप्राइन |
| | | **Total** | **43** | **6598** | **0** | **कुल** |
| 25 | **Trypanosomosis ट्रिपानोसोमॉसिस** | Bovine | 137 | 2957 | 43 | बोवाइन |
| | | Buffalo | 19 | 787 | 13 | भैंस |
| | | Camel | 1 | 4 | 2 | ऊंट |
| | | **Total** | **157** | **3748** | **58** | **कुल** |
| 26 | **Peste des petits Ruminants (PPR) पेस्टे डेस पेटिस रूमिनेंट्स (पीपीआर)** | Ovine/ Caprine | 79 | 4448 | 1434 | ओवाइन / कैप्राइन |
| 27 | **Anaplasmosis एनाप्लास्मॉसिस** | Bovine | 50 | 416 | 8 | बोवाइन |
| | | Buffalo | 2 | 29 | 0 | भैंस |
| | | **Total** | **52** | **445** | **8** | **कुल** |
| 28 | **Brucelliosis ब्रूसलिऑसिस** | Bovine | 12 | 82 | 6 | बोवाइन |
| | | Ovine/ Caprine | 1 | 2 | 0 | ओवाइन / कैप्राइन |
| | | **Total** | **13** | **84** | **6** | **कुल** |
| 29 | **Glanders ग्लैन्डर्स** | Equine | 46 | 200 | 83 | एक्वाइन |
| 30 | **Theileriosis थिलेरिया** | Bovine | 55 | 790 | 25 | बोवाइन |
| | | Buffalo | 5 | 65 | 2 | भैंस |
| | | **Total** | **60** | **855** | **27** | **कुल** |

Source:Annual Report 2017-18, Department Animal Husbandry, Dairying and Fisheries,Ministry of Agriculture and Farmers Welfare

स्रोत: वार्षिक रिपोर्ट 2017-18, पशुपालन, डेयरी एवं मछली पालन विभाग, कृषि एवं किसान कल्याण मंत्रालय

**Statement 2.56 : Water availability in India**

**विवरण 2.56 : भारत में पानी की उपलब्धता**

| Sl. No. क्र.सं. | Items | Quantity मात्रा | मद |
|---|---|---|---|
| 1 | Annual Precipitation (including snowfall) | 4000 BCM | वार्षिक वर्षण (हिमपात सहित) |
| 2 | Average Annual Availability | 1869 BCM | औसत वार्षिक उपलब्धता |
| 3 | (i) Per Capita Water Availability (2001) in cubic metres | 1816Cu.M | (i) प्रति व्यक्ति जल उपलब्धता (2001) घनमीटर में |
| | (ii) Per Capita Water Availability (2010) in cubic metres | 1588Cu.M | (ii) प्रति व्यक्ति जल उपलब्धता (2010) घनमीटर में |
| 4 | Estimated Utilizable Water Resources | 1123 BCM | उपयोग के योग्य अनुमानित जल संसाधन |
| | (i)Surface Water Resources | 690 BCM | (i) भूपृष्ठ जल संसाधन |
| | (ii) Ground Water Resources | 433 BCM | (ii) भौमजल संसाधन |

BCM: Billion Cubic Meters; CuM: Cubic Meter.

Source: Water Resources at a Glance 2011 Report, Central Water Commission

स्रोत: एक नज़र में जल संसाधन 2011 रिपोर्ट, केंद्रीय जल आयोग

**Statement 2.57: Water resources -Basinwise**

**विवरण 2.57 : जल संसाधन - घाटीवार**

| Sl.No. क्र.सं. | Name of the River Basin | Average Annual Availability (cubic km/year) औसत वार्षिक उपलब्धता (घन किलोमीटर प्रतिवर्ष) | नदी बेसिन का नाम |
|---|---|---|---|
| 1 | Indus (up to Border) | 73.31 | सिंधु (सीमा तक) |
| 2 | a) Ganga | 525.02 | (क) गंगा |
| | b) Brahmaputra, Barak & Others | 585.6 | (ख) ब्रह्मपुत्र, बराक एवं अन्य |
| 3 | Godavari | 110.54 | गोदावरी |
| 4 | Krishna | 78.12 | कृष्णा |
| 5 | Cauvery | 21.36 | कावेरी |
| 6 | Pennar | 6.32 | पेन्नार |
| 7 | East Flowing Rivers Between Mahanadi & Pennar | 22.52 | महानदी से पेन्नार के बीच पूरब की ओर बहने वाली नदियां |
| 8 | East Flowing Rivers Between Pennar and Kanyakumari | 16.46 | पेन्नार से कन्याकुमारी के बीच पूरब की ओर बहने वाली नदियां |
| 9 | Mahanadi | 66.88 | महानदी |
| 10 | Brahmani & Baitarni | 28.48 | ब्राह्मणी और बैतरणी |
| 11 | Subernarekha | 12.37 | सुवर्णरेखा |
| 12 | Sabarmati | 3.81 | साबरमती |
| 13 | Mahi | 11.02 | माही |
| 14 | West Flowing Rivers of Kutch, Sabarmati including Luni | 15.1 | लूणी सहित साबरमती, कच्छ की पश्चिम की ओर बहने वाली नदियां |
| 15 | Narmada | 45.64 | नर्मदा |
| 16 | Tapi | 14.88 | ताप्ती |
| 17 | West Flowing Rivers from Tapi to Tadri | 87.41 | ताप्ती से ताडरी के बीच पश्चिम की ओर बहने वाली नदियां |
| 18 | West Flowing Rivers from Tadri to Kanyakumari | 113.53 | ताडरी से कन्याकुमारी के बीच पश्चिम की ओर बहने वाली नदियां |
| 19 | Area of Inland drainage in Rajasthan desert | Negligible | राजस्थान के मरुस्थल में अंतर्देशीय ड्रेनेज का क्षेत्रफल |
| 20 | Minor River Basins Draining into Bangladesh & Burma | 31 | लघु नदी द्रोणियां जो बांग्लादेश एवं बर्मा में अपवाहित होती हैं |
| **Total** | | **1869.35** | **कुल** |

Source: Ministry of Water Resources, River Development & Ganga Rejuvenation

स्रोत: जल संसाधन, नदी विकास और गंगा कायाकल्प मंत्रालय

## Statement 2.58: Water flow in stream

## विवरण 2.58 : धारा में जल प्रवाह

(MCM/एमसीएम)

| Sl. No. क्र. सं. | Name of Basin/River | Average# औसत# | | | Minimum# न्यूनतम# | | | Maximum# अधिकतम# | | | घाटी/नदी का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Monsoon मानसून | Non-Monsoon गैर मानसून | Annual वार्षिक | Monsoon मानसून | Non-Monsoon गैर मानसून | Annual वार्षिक | Monsoon मानसून | Non-Monsoon गैर मानसून | Annual वार्षिक | |
| 1 | Mahanadi | 7707 | 502 | 8209 | 227 | 0 | 237 | 46492 | 5149 | 51640 | महानदी |
| 2 | Subernekha etc. | 4478 | 307 | 4785 | 340 | 0 | 390 | 8897 | 724 | 9184 | सुवर्णरेखा आदि |
| 3 | Brahmani | 6925 | 842 | 7766 | 677 | 64 | 741 | 12689 | 3139 | 15811 | ब्रह्माणी |
| 4 | Rushikulia etc. | 2966 | 289 | 2823 | 657 | 86 | 743 | 4923 | 404 | 5100 | रूशिकुलिया आदि |
| 5 | Godavari | 17256 | 1148 | 21994 | 0 | 0 | 0 | 143249 | 11682 | 149873 | गोदावरी |
| 6 | Krishna | 3773 | 340 | 4019 | 2 | 0 | 2 | 12522 | 3315 | 15837 | कृष्णा |
| 7 | Cauveri | 1547 | 180 | 1538 | 0 | 0 | 0 | 6610 | 1431 | 7348 | कावेरी |
| 8 | East Flowing Rivers | 257 | 67 | 324 | 0 | 0 | 0 | 2833 | 797 | 3401 | पूर्व की ओर बहने वाली नदियां |
| 9 | West Flowing Rivers | 2713 | 179 | 2892 | 0 | 0 | 0 | 13006 | 1327 | 13171 | पश्चिम की ओर बहने वाली नदियां |
| 10 | Tapi | 7607 | 65 | 7672 | 2313 | 0 | 2374 | 12353 | 198 | 12353 | ताप्ती |
| 11 | Narmada | 12488 | 1904 | 15001 | 316 | 3 | 319 | 51905 | 13137 | 65042 | नर्मदा |
| 12 | Mahi, etc | 1089 | 95 | 1074 | 0 | 0 | 0 | 8225 | 754 | 8787 | माही, आदि |

Source : Intergrated Hydrological Data Book, 2017,CWC

स्रोत : समेकित जलविज्ञानी डाटा बूक 2017, केंद्रीय जल आयोग

# Average, minimum and manimum values of respective sites of each Basin/River

MCM :Million Cubic Meter

## Statement 2.59 : State-wise navigable waterways
## विवरण 2.59 : राज्यवार नाव्य जलमार्ग

Year 2017-18 वर्ष

| Sl. No. क्र. सं. | State/ River/ Canals/ Lakes | Total Length कुल लम्बाई | Navigable Length नाव्य लंबाई | राज्य/नदी/नहर/झील |
|---|---|---|---|---|
| 1 | **ANDHRA PRADESH*** ** | | | **आंध्र प्रदेश*** ** |
| | Godavari | 1530 | 171 | गोदावरी |
| | Krishna | 1400 | 157 | कृष्णा |
| | Others ** | 832 | 832 | अन्य ** |
| | **Total** | **3762** | **1160** | **कुल** |
| 2 | **ASSAM** | | | **असम** |
| | Brahmaputra | 2800 | 891 | बह्मपुत्र |
| | Borak | 900 | 121 | बोरक |
| | Subansiri | - | 111 | सुबानसिरी |
| | Dhansiri | 135 | 110 | धनसिरी |
| | Dehing | 120 | 114 | देहिंग |
| | Aai | 85 | 71 | आआई |
| | Beki | 85 | 73 | बेकि |
| | Doyang | | 61 | दोयांग |
| | Puthimari | .. | 72 | पुथिमारी |
| | Gangadhar | | 62 | गंगाधर |
| | Kopili | 50 | 46 | कोपिली |
| | Dikhow | 92 | 63 | दिखाव |
| | Jinjiram | | 43 | जिन्जिराम |
| | Lohit | | 100 | जैभोरोली |
| | **Total** | **4267** | **1938** | **कुल** |
| 3 | **BIHAR*** ** | | | **बिहार*** ** |
| | Ganga | 510 | 510 | गंगा |
| | Gandak | 300 | 300 | गंडक |
| | Koshi | 233 | 160 | कोशी |
| | Ghaghra | 100 | 100 | घाघरा |
| | Sone | 226 | 31 | सोन |
| | Mahananda | 140 | -- | महानंदा |
| | Burhi Gandak | 400 | -- | बुड़ही गंडक |
| | Punpun | 200 | -- | पुनपुन |
| | Phalgu Harihar | 300 | -- | फाल्गू हरिहर |
| | Kiul | 100 | -- | कियूल |
| | Kari Koshi | 150 | -- | कारी कोशी |
| | Chandan | 100 | -- | चंदन |
| | Karmnasha | 144 | -- | कर्मनाशा |
| | Others | 860 | 290 | अन्य |
| | **Total** | **3763** | **1391** | **कुल** |
| 4 | **GOA** | | | **गोवा** |
| | Mandovi | 78 | 66 | मांडोवी |
| | Zuari | 68 | 68 | जुआरी |
| | Mapusa | 27 | 27 | मपुसा |
| | Chapora | 34 | 32 | चपोरा |
| | Tiracol | 29 | 23 | तिराकोल |

## Statement 2.59 : State-wise navigable waterways
## विवरण 2.59 : राज्यवार नाव्य जलमार्ग

Year 2017-18 वर्ष

| Sl. No. क्र. सं. | State/ River/ Canals/ Lakes | Total Length कुल लम्बाई | Navigable Length नाव्य लंबाई | राज्य/नदी/नहर/झील |
|---|---|---|---|---|
| | Sal | 20 | 15 | साल |
| | Others | 18 | 18 | अन्य |
| | **Total** | **274** | **249** | **कुल** |
| 5 | **GUJARAT*** | | | **गुजरात*** |
| | **Total** | **-** | **-** | **कुल** |
| 6 | **KARNATAKA** | | | **कर्नाटक** |
| | Sharavathi | 80 | 27 | शरावती |
| | Tungabhadra | 375 | 375 | तुंगभद्रा |
| | Malaprabha | 270 | 230 | मलप्रभा |
| | Ghataprabha | 160 | 160 | घाटप्रभा |
| | Krishna | 325 | 125 | कृष्णा |
| | Cauvery | 270 | 34 | कावेरी |
| | Kabini | 117 | 30 | काबिनी |
| | Gurupur | 80 | 20 | गुरुपुर |
| | Gangolli | 48 | 20 | गंगोली |
| | Bheema | 860 | 125 | भीमा |
| | Udyavara | 37 | 14 | उदयवारा |
| | Netravathi | 96 | 26 | नेत्रवती |
| | Kali | 184 | 29 | काली |
| | **Total** | **2902** | **1215** | **कुल** |
| 7 | **KERALA$$** | | | **केरल$$** |
| | Total of Rivers | 2375.19 | 942.91 | कुल नदियों |
| | Others** | 1158.27 | 1024.34 | अन्य** |
| | **Total** | **3533.46** | **1967.25** | **कुल** |
| **8** | **MAHARASHTRA** | | | **महाराष्ट्र** |
| | Dande River | 2 | 1 | दांदे नदी |
| | Pangere River | 2 | 1 | पनगिरी नदी |
| | Girye River | 3 | 1 | गिरये नदी |
| | Kajali River | 35 | 5 | कजली नदी |
| | Kalbadevi River | 10 | 2 | कल्बादेवी नदी |
| | Are River | 6 | 1 | आरे नदी |
| | Jog River | 10 | 5 | जोग नदी |
| | Kelshi River | 10 | 3 | केल्शी नदी |
| | Savitri River (Bankot to Mahad) | 45 | 40 | सावित्री नदी (बनकोट से माहद तक) |
| | Kal River | 6 | 4 | काल नदी |
| | Vaitarna River | 24 | 9 | वैतरणा नदी |
| | Ulhas River | 32.5 | 28 | उलहास नदी |
| | Mahim River (Bay) | 1.5 | 1 | माहिम नदी (बे) |
| | Amba River | 23 | 20 | अंबा नदी |
| | Patalganga River/Creek (Aware to Kharpada) | 11 | 6.5 | पातालगंगा नदी/क्रीक (आवरे से खारपाडा तक) |
| | Kundalika River | 16 | 16 | कुंडालिका नदी |

**Statement 2.59 : State-wise navigable waterways**

**विवरण 2.59 : राज्यवार नाव्य जलमार्ग**

Year 2017-18 वर्ष

| Sl. No. क्र. सं. | State/ River/ Canals/ Lakes | Total Length कुल लम्बाई | Navigable Length नाव्य लंबाई | राज्य/नदी/नहर/झील |
|---|---|---|---|---|
| | Mandad River (Rajpuri to Mandad) | 14 | 10 | मनडाड नदी (राजपुरी से मनडाड तक) |
| | Mhasla River (Turmad to Mhasla) | 9 | 5 | महस्ला नदी (तुरमाड से महस्ला तक) |
| | Vashisti River (Dabhol to Govalkot) | 45 | 38 | वशिस्टी नदी (दाभोल से गोवालकोट तक) |
| | Jagbudi River (Karambavne to Khed) | 20 | 20 | जगबुडी नदी (करम्बावनी से खेड तक) |
| | Shastri River/Jaigad Creek (Jaigad to Kurudunda)45 | 45 | 40 | शास्त्री नदी/जैगाड क्रीक (जैगाड से कुरूडंगा तक) 45 |
| | Rajapur River (Musakazi to Rajapur) | 30 | 30 | राजापुर नदी (मुसाकाज़ी से राजापूर तक) |
| | Vagothan River/Vijaydurg Creek (Vijaydurg to Kharepatan) | 38 | 22 | वगोथन नदी/विजयदुर्ग क्रीक (विजयदुर्ग से खारेपाटन तक) |
| | Gad River (Kalaval Creek) | 13 | 7 | गड नदी (कलावक क्रीक) |
| | Terekhol River/Creek (Terekhol to Ban) | 28 | 28 | टेरेखोल नदी/क्रीक (टेरेखोल से बान तक) |
| | Karli River (Malva) | 23 | 13 | कारली नदी (मालवा) |
| | Others | 129 | 105 | अन्य |
| | **Total** | **631** | **462** | **कुल** |
| 9 | **ORISSA** | | | **उड़ीसा** |
| | Mahanadi | 493 | 199 | महानदी |
| | Brahmani | 541 | 277 | ब्राह्मणी |
| | Baitarani | 344 | 32 | बैतरणी |
| | Subarnarekha | - | 50 | सुवर्णरेखा |
| | Budha Balanga | - | 35 | बूद्ध बालंगा |
| | Dhamara | - | 20 | धमारा |
| | Salandi | - | 17 | सालंडी |
| | Panchputra | - | 21 | पंचपुत्रा |
| | Pernei | - | 45 | पेरनेई |
| | Hatel | - | 30 | हटेल |
| | Bansagadal | - | 32 | बंसागडाल |
| | Hansua | - | 37 | हंसुआ |
| | Tirkota | - | 18 | ट्रिकोटा |
| | Jamboo | - | 6 | जाम्बू |
| | Gobari | - | 16 | गोबारी |
| | Ramchandi | - | 16 | रामचंडी |
| | Kharansi | - | 14 | खरांसी |
| | Batigharia | - | 14 | बटिघारिया |
| | Birupa | - | 110 | बिरुपा |
| | Genguti | - | 45 | गेंगुटी |
| | Luna | - | 37 | लुना |
| | Devi | - | 20 | देवी |

## Statement 2.59 : State-wise navigable waterways
## विवरण 2.59 : राज्यवार नाव्य जलमार्ग

Year 2017-18 वर्ष

| Sl. No. क्र. सं. | State/ River/ Canals/ Lakes | Total Length कुल लम्बाई | Navigable Length नाव्य लंबाई | राज्य/नदी/नहर/झील |
|---|---|---|---|---|
| | Pradhi | - | 15 | प्राधि |
| | Kadha | - | 30 | काधा |
| | Kusavadra | - | 25 | कुसावदरा |
| | Daya | - | 9 | दाया |
| | Rajua | - | 7 | रजुआ |
| | Makara | - | 11 | मकारा |
| | Ohers ** | - | 367 | अन्य ** |
| | **Total $** | **1378** | **1555** | **कुल $** |
| 10 | **TAMIL NADU ^** | | | **तमिलनाडु^** |
| | Ananths Victoria Marthandavarna | 27 | 12 | अनंत विक्टोरिया मार्थांदावर्णा |
| | North Buckingam Canal | 58 | ^ | नॉर्थ बुकिनगाम कैनाल |
| | Central Buckingam Cananl | 7 | ^ | सेंट्रल बुकिनगाम कैनाल |
| | South Buckingam Canal | 105 | ^ | साउथ बुकिनगाम कैनाल |
| | Mullai Periyar lake | - | 14 | |
| | **Total** | **197** | **26** | **कुल** |
| 11 | **UTTAR PRADESH*** ** | | | **उत्तर प्रदेश*** ** |
| | Gomti | 960 | | गोमती |
| | Rapti | 778 | | राप्ती |
| | Ghaghra | 1116 | | घाघरा |
| | Ganga | 2345 | 425# | गंगा |
| | Sai | 760 | | साई |
| | Tons | 485 | | टोन्स |
| | **Total** | **6444** | **425** | **कुल** |
| 12 | **WEST BENGAL** | | | **पश्चिम बंगाल** |
| | Hooghly | 580 | 580 | हुगली |
| | Mahananda | 206 | 58 | महानंदा |
| | Ajoy | 174 | 174 | एजाय |
| | Jalangi | 232 | 232 | जलांगी |
| | Dwarka | 129 | 129 | द्वारका |
| | Bakreswar | 102 | 102 | बकरेश्वर |
| | Damodar | 437 | 437 | दामोदर |
| | Dwarekeswar | 103 | 103 | द्वारकेश्वर |
| | Silabati | 135 | 135 | सिलाबटी |
| | Kumari | 347 | 347 | कुमारी |
| | Ichamati | 232 | 232 | इचामती |
| | Others @ | 2064 | 2064 | अन्य@ |
| | **Total** | **4741** | **4593** | **कुल** |
| 13 | **NAGALAND** | | | **नागालैंड** |
| | Doyans | - | 61 | डोयांस |
| | Tizu/Zungki | - | 42 | टिज़ू/ज़ुंगकी |
| | Dhansiri/Chathe | - | 110 | धानसिरी/चाथे |
| | Dikhu | - | 63 | दिखू |

## Statement 2.59 : State-wise navigable waterways
## विवरण 2.59 : राज्यवार नाव्य जलमार्ग

Year 2017-18 वर्ष

| Sl. No. क्र. सं. | State/ River/ Canals/ Lakes | Total Length कुल लम्बाई | Navigable Length नाव्य लंबाई | राज्य/नदी/नहर/झील |
|---|---|---|---|---|
| | **Total** | **0** | **276** | **कुल** |
| 14 | **MIZORAM** | | | **मिजोरम** |
| | R.TlawNg (Dhaleswari) | 238 | 81 | आर. तवानग (धालेश्वरी) |
| | R.Kolodyne (Chhimtuipoi) | 196 | 22 | आर. कोलोडिन (छिमतुईपोई) |
| | Khawtthlang Tuipui | 134 | 17 | खावथलांग तुईपुई |
| | R. Tuichawrg | 167 | 19 | आर. तुईचावर्ग |
| | Tul River | 55 | 16 | तुल नदी |
| | Others | - | - | अन्य |
| | **Total** | **790** | **155** | **कुल** |

Source : IWT Directorate of States & IWAI (Statistics of Inland water transport 2017-18, Ministry of

* Data is reported nil for the year 2017-18 - Not available

** Including Canals.

*** Information for 2018 has not received. Last Year data has been Repeated.

$ Total length is less than navigable length as length of canals is not provided whereas navigable length of canals is provided.

$ $ Total length & Navigable length for each river is not provided only sum total of all rivers is available.

^^: Out of 170.1 km, 132 km length of canal has now silted up. Navigation could be possible only after renovation.

@ : Includes 268 Kms. each of Total Length and Navigable Length pertaining to canals.

## Statement 2.60: Projected Water Demand in India

## विवरण 2.60 : भारत में पानी की प्रक्षेपित मांग

### (By Different Use) (विभिन्न प्रयोग के अनुसार)

| S. No. क्र. सं. | Sector | Water Demand in BCM /पानी की मांग बीसीएम में | | | | | | | | | क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Standing Sub-Committee of MoWRRDGR जल संसाधन, नदी विकास एवं गंगा उद्धार मंत्रालय की स्थाई उप समिति | | | NCIWRD एनसीआईडब्ल्यूआरडी | | | | | | |
| | | 2010 | 2025 | 2050 | 2010 | | 2025 | | 2050 | | |
| | | | | | Low निम्न | High उच्च | Low निम्न | High उच्च | Low निम्न | High उच्च | |
| 1 | Irrigation | 688 | 910 | 1072 | 543 | 557 | 561 | 611 | 628 | 807 | सिंचाई |
| 2 | Drinking Water | 56 | 73 | 102 | 42 | 43 | 55 | 62 | 90 | 111 | पेयजल |
| 3 | Industry | 12 | 23 | 63 | 37 | 37 | 67 | 67 | 81 | 81 | उद्योग |
| 4 | Energy | 5 | 15 | 130 | 18 | 19 | 31 | 33 | 63 | 70 | ऊर्जा |
| 5 | Other | 52 | 72 | 80 | 54 | 54 | 70 | 70 | 111 | 111 | अन्य |
| 6 | **Total** | **813** | **1093** | **1447** | **694** | **710** | **784** | **843** | **973** | **1180** | **कुल** |

Source: Report of the Standing Sub-Committee on "Assessment of Availability & requirement of Water for Diverse uses-2000", Basin Planning Directorate, CWC, XI Plan
स्रोत: "विविध प्रयोगों के लिए पानी की उपलब्धता एवं आवश्यकता का आकलन-2000" पर स्थाई उप समिति की रिपोर्ट, घाटी आयोजना निदेशालय, केंद्रीय जल आयोग,
BCM: Billion Cubic Meters
MoWRRD &GR:Ministry of Water Resources, River Development & Ganga Rejuvenation
NCIWRD: National Commission on Integrated Water Resources Development

## Statement 2.61: Ground water resource potential as per basin

## विवरण 2.61 : घाटी के अनुसार भौमजल संसाधन विभव

| Sl. No. क्र. सं. | Basin | Total Replenishable Ground Water Resource कुल भरणीय भौमजल संसाधन (M.C.M/Yr) (एमसीएम प्रतिवर्ष) | Provision of Domestic Industrial & Other Uses घरेलू, औद्योगिक एवं अन्य प्रयोगों के लिए प्रावधान (M.C.M/Yr) (एमसीएम प्रतिवर्ष) | Available for Irrigation (M.C.M/Yr) सिंचाई के लिए उपलब्ध (एमसीएम प्रतिवर्ष) | Net Draft (M.C.M/Yr) निवल ड्राफ्ट (एमसीएम प्रतिवर्ष) | Balance for future Use (M.C.M/Yr) भावी प्रयोग के लिए शेष (एमसीएम प्रतिवर्ष) | % Level of Ground Water Development भौमजल विकास के स्तर का प्रतिशत | बेसिन |
|---|---|---|---|---|---|---|---|---|
| 1 | Brahmaputra | 26545.69 | 3981.35 | 22564.34 | 760.06 | 21804.29 | 3.37 | बह्मपुत्र |
| 2 | Brahmani with Baitarni | 4054.23 | 608.13 | 3446.09 | 291.22 | 3154.88 | 8.45 | बैतरानी के साथ ब्राह्मणी |
| 3 | Cambai composite | 7187.25 | 1078.09 | 6109.16 | 2449.06 | 3660.10 | 40.09 | काम्बै कंपोजिट |
| 4 | Caveri | 12295.71 | 1844.35 | 10451.35 | 5782.85 | 4668.50 | 55.33 | कावेरी |
| 5 | Ganga | 170994.74 | 26030.47 | 144964.26 | 48593.67 | 96370.56 | 33.52 | गंगा |
| 6 | Godavari | 40649.82 | 9657.69 | 30992.12 | 6054.23 | 24937.90 | 19.53 | गोदावरी |
| 7 | Indus | 26485.42 | 3053.95 | 23431.47 | 18209.30 | 5222.17 | 77.71 | सिंधु |
| 8 | Krisnhna | 26406.97 | 5578.34 | 20828.63 | 6330.45 | 14498.19 | 30.39 | कृष्णा |
| 9 | Kutch & Saurashtra | 11225.09 | 1738.10 | 9486.99 | 4851.87 | 4791.02 | 51.14 | कच्छ और सौराष्ट्र |
| 10 | Madras & Southern | 18219.72 | 2732.95 | 15486.77 | 8933.25 | 6553.52 | 57.68 | मद्रास और दक्षिणी |
| 11 | Mahanadi | 16460.55 | 2471.10 | 13989.45 | 972.63 | 13016.81 | 6.95 | महानदी |
| 12 | Meghna | 8516.69 | 1277.48 | 7239.21 | 285.34 | 6953.87 | 3.94 | मेघना |
| 13 | Narmada | 10826.54 | 1653.75 | 9172.79 | 1994.18 | 7178.61 | 21.74 | नर्मदा |
| 14 | Northeast Composite | 18842.61 | 2826.39 | 16016.22 | 2754.93 | 13261.29 | 17.20 | उत्तर पूर्व कंपोजिट |
| 15 | Pennar | 4929.29 | 739.39 | 4189.89 | 1533.38 | 2656.51 | 36.60 | पेन्नार |
| 16 | Subranarekha | 1819.41 | 272.91 | 1546.50 | 148.06 | 1398.43 | 9.57 | सुर्वणरेखा |
| 17 | Tapi | 8269.50 | 2335.79 | 5933.70 | 1961.33 | 3972.38 | 33.05 | ताप्ती |
| 18 | Western Ghat | 17693.72 | 3194.78 | 14499.18 | 3318.12 | 11181.06 | 22.88 | **पश्चिमी घाट** |
| **Total** | | **431422.93** | **71075.02** | **360348.15** | **115223.93** | **245280.08** | **31.92** | **कुल** |

Source: Central Ground Water Board

स्रोत: केंद्रीय भौमजल बोर्ड

Note: Totals may not tally.

MCM/yr : Million Cubic Metre/Year

## Statement 2.62: State- Wise ground water resources
## विवरण 2.62 : राज्यवार भौमजल संसाधन

Unit:BCM/Yr यूनिट : बीसीएम प्रतिवर्ष

| Sl. No. क्र.सं. | States | Annual Replenishable Ground Water Resources वार्षिक भरणीय भौमजल संसाधन | | | | Total कुल | Natural Dischage during non-monsoon season मानसून से भिन्न मौसम के दौरान प्राकृतिक विसर्जन | Net Annual Ground Water Availability भौमजल की निवल वार्षिक उपलब्धता | Annual Ground Water Draft वार्षिक भौमजल ड्राफ्ट | | | Projected Demand for Domestic and Industrial uses upto 2025 तक घरेलू एवं औद्योगिक प्रयोगों के लिए प्रक्षेपित मांग | Ground Water availability for future irrigation भावी सिंचाई के लिए भौमजल उपलब्धता | #Stage of Ground Water Development (%) #भौमजल विकास का स्तर (प्रतिशत) | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Monsoon Season मानसून काल | | Non-monsoon Season गैर मानसून काल | | | | | Irrigation सिंचाई | Domestic and Industrial uses घरेलू एवं औद्योगिक प्रयोग | Total कुल | | | | |
| | | Recharge from rainfall वर्षा से पुनर्भरण | Recharge from other sources अन्य स्रोतों से पुनर्भरण | Recharge from rainfall वर्षा से पुनर्भरण | Recharge from other source अन्य स्रोतों से पुनर्भरण | | | | | | | | | | |
| 1 | Andhra Pradesh | 8.97 | 4.25 | 3.21 | 3.97 | 20.39 | 1.91 | 18.48 | 7.29 | 0.81 | 8.10 | 1.64 | 10.21 | 44 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 3.340 | 0.0003 | 1.092 | 0.001 | 4.433 | 0.443 | 3.990 | 0.002 | 0.007 | 0.01 | 0.020 | 3.967 | 0.23 | अरुणाचल प्रदेश |
| 3 | Assam | 20.56 | 1.82 | 9.22 | 0.49 | 32.11 | 3.21 | 28.90 | 4.06 | 0.68 | 4.74 | 0.84 | 24.00 | 16 | असम |
| 4 | Bihar | 20.66 | 3.48 | 3.36 | 3.81 | 31.31 | 2.82 | 28.49 | 10.36 | 2.37 | 12.73 | 0.60 | 17.52 | 45 | बिहार |
| 5 | Chhattisgarh | 10.11 | 0.76 | 0.87 | 1.06 | 12.80 | 0.90 | 11.90 | 3.76 | 0.64 | 4.40 | 0.76 | 7.38 | 37 | छत्तीसगढ़ |
| 6 | Delhi | 0.09 | 0.02 | 0.014 | 0.22 | 0.34 | 0.03 | 0.31 | 0.14 | 0.25 | 0.39 | 0.25 | 0.02 | 127 | दिल्ली |
| 7 | Goa | 0.15 | 0.011 | 0.01 | 0.08 | 0.24 | 0.10 | 0.15 | 0.02 | 0.03 | 0.05 | 0.04 | 0.09 | 37 | गोवा |
| 8 | Gujarat | 13.93 | 3.22 | 0.00 | 3.71 | 20.85 | 1.07 | 19.79 | 12.30 | 1.14 | 13.44 | 1.46 | 6.77 | 68 | गुजरात |
| 9 | Haryana | 3.62 | 3.10 | 1.03 | 3.60 | 11.36 | 1.06 | 10.30 | 13.32 | 0.60 | 13.92 | 0.56 | -3.58 | 135 | हरियाणा |
| 10 | Himachal Pradesh | 0.40 | 0.02 | 0.11 | 0.03 | 0.56 | 0.03 | 0.53 | 0.16 | 0.11 | 0.27 | 0.07 | 0.30 | 51 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 1.22 | 2.69 | 0.79 | 0.55 | 5.25 | 0.43 | 4.82 | 0.20 | 0.98 | 1.18 | 1.07 | 3.55 | 24 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 5.61 | 0.06 | 0.73 | 0.16 | 6.56 | 0.57 | 5.99 | 0.63 | 0.72 | 1.35 | 0.17 | 5.19 | 23 | झारखंड |
| 13 | Karnataka | 6.74 | 4.18 | 2.67 | 3.40 | 17.00 | 2.16 | 14.83 | 8.76 | 0.99 | 9.76 | 1.49 | 5.55 | 66 | कर्नाटक |
| 14 | Kerala | 4.51 | 0.04 | 0.59 | 1.13 | 6.27 | 0.60 | 5.66 | 1.18 | 1.45 | 2.63 | 1.55 | 2.93 | 47 | केरल |
| 15 | Madhya Pradesh | 28.59 | 1.27 | 0.82 | 5.30 | 35.98 | 1.82 | 34.16 | 17.95 | 1.41 | 19.36 | 2.35 | 13.86 | 57 | मध्य प्रदेश |
| 16 | Maharashtra | 21.96 | 1.64 | 1.83 | 7.76 | 33.19 | 1.71 | 31.48 | 15.93 | 1.14 | 17.07 | 2.21 | 13.72 | 54 | महाराष्ट्र |
| 17 | Manipur | 0.244 | 0.010 | 0.201 | 0.019 | 0.474 | 0.047 | 0.426 | 0.004 | 0.001 | 0.004 | 0.049 | 0.374 | 1.01 | मणिपुर |
| 18 | Meghalaya | 3.05 | 0.00 | 0.15 | 0.107 | 3.31 | 0.33 | 2.98 | 0.0080 | 0.0040 | 0.0120 | 0.207 | 2.76 | 0.4 | मेघालय |
| 19 | Mizoram | 0.02899 | Negligible | 0.01042 | Negligible | 0.03942 | 0.00394 | 0.03548 | 0 | 0.00104 | 0.00104 | 0.00238 | 0.0331 | 2.9 | मिजोरम |
| 20 | Nagaland | 1.30 | 0 | 0.64 | 0 | 1.94 | 0.194 | 1.75 | 0.00 | 0.03 | 0.03 | 0.01 | 1.74 | 2.0 | नागालैंड |
| 21 | Odisha | 11.29 | 2.53 | 1.33 | 2.63 | 17.78 | 1.09 | 16.69 | 4.14 | 0.87 | 5.02 | 1.35 | 11.20 | 30 | ओडिशा |
| 22 | Punjab | 5.75 | 13.21 | 1.32 | 5.64 | 25.91 | 2.52 | 23.39 | 34.05 | 0.77 | 34.81 | 0.97 | -11.63 | 149 | पंजाब |
| 23 | Rajasthan | 9.06 | 0.69 | 0.27 | 2.49 | 12.51 | 1.26 | 11.26 | 13.79 | 1.92 | 15.71 | 2.32 | 0.90 | 140 | राजस्थान |
| 24 | Sikkim | - | - | - | - | - | - | - | - | - | - | - | - | - | सिक्किम |

## Statement 2.62: State- Wise ground water resources
## विवरण 2.62 : राज्यवार भौमजल संसाधन

Unit:BCM/Yr यूनिट : बीसीएम प्रतिवर्ष

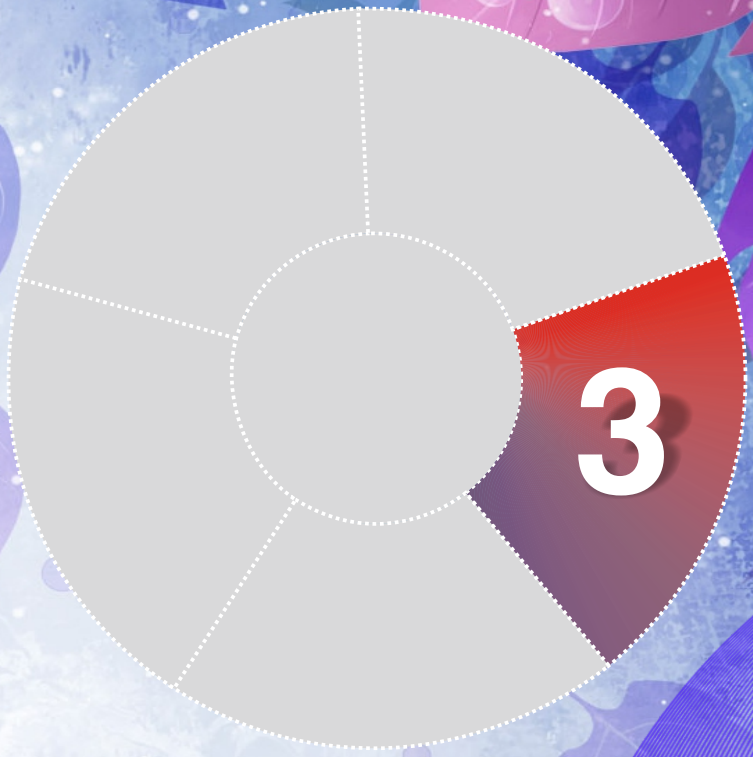
| Sl. No. क्र.सं. | States | Annual Replenishable Ground Water Resources वार्षिक भरणीय भौमजल संसाधन | | | | Total कुल | Natural Dischage during non-monsoon season मानसून से भिन्न मौसम के दौरान प्राकृतिक विसर्जन | Net Annual Ground Water Availability भौमजल की निवल वार्षिक उपलब्धता | Annual Ground Water Draft वार्षिक भौमजल ड्राफ्ट | | | Projected Demand for Domestic and Industrial uses upto 2025 तक घरेलू एवं औद्योगिक प्रयोगों के लिए प्रक्षेपित मांग | Ground Water availability for future irrigation भावी सिंचाई के लिए भौमजल उपलब्धता | #Stage of Ground Water Development (%) #भौमजल विकास का स्तर (प्रतिशत) | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Monsoon Season मानसून काल | | Non-monsoon Season गैर मानसून काल | | | | | Irrigation सिंचाई | Domestic and Industrial uses घरेलू एवं औद्योगिक प्रयोग | Total कुल | | | | |
| | | Recharge from rainfall वर्षा से पुनर्भरण | Recharge from other sources अन्य स्रोतों से पुनर्भरण | Recharge from rainfall वर्षा से पुनर्भरण | Recharge from other source अन्य स्रोतों से पुनर्भरण | | | | | | | | | | |
| 25 | Tamil Nadu | 7.12 | 9.87 | 1.52 | 2.15 | 20.65 | 2.07 | 18.59 | 12.98 | 1.38 | 14.36 | 1.53 | 4.08 | 77 | तमिलनाडु |
| 26 | Telangana | 8.13 | 2.12 | 1.65 | 2.84 | 14.74 | 1.35 | 13.39 | 7.00 | 0.76 | 7.77 | 1.55 | 4.83 | 58 | तेलंगाना |
| 27 | Tripura | 1.141 | 0.000 | 0.738 | 0.593 | 2.471 | 0.202 | 2.269 | 0.093 | 0.072 | 0.165 | 0.200 | 1.976 | 7.3 | त्रिपुरा |
| 28 | Uttar Pradesh | 41.97 | 11.52 | 4.60 | 18.25 | 76.34 | 4.75 | 71.58 | 48.35 | 4.41 | 52.76 | 6.44 | 19.01 | 74 | उत्तर प्रदेश |
| 29 | Uttarakhand | 1.10 | 0.22 | 0.24 | 0.43 | 2.00 | 0.03 | 1.97 | 0.84 | 0.15 | 0.99 | 0.30 | 0.82 | 50 | उत्तराखंड |
| 30 | West Bengal | 18.71 | 5.26 | 1.51 | 3.85 | 29.33 | 2.77 | 26.56 | 10.84 | 1.00 | 11.84 | 1.53 | 14.19 | 45 | पश्चिम बंगाल |
| **Total State** | | **259.33** | **72.00** | **40.53** | **74.28** | **446.14** | **35.49** | **410.64** | **228.16** | **24.71** | **252.87** | **31.55** | **161.76** | **62** | **कुल राज्य** |
| **Union Territories** | | | | | | | | | | | | | | | **संघ राज्य क्षेत्र** |
| 31 | Andaman And Nicobar Island | 0.38 | 0.04 | 0.0002 | 0.00005 | 0.420 | 0.0420 | 0.378 | 0.0001 | 0.0035 | 0.0037 | 0.016 | 0.361 | 1 | अंडमान एवं निकोबार द्वीप समूह |
| 32 | Chandigarh | 0.015 | 0.0004 | 0.005 | 0.001 | 0.022 | 0.0022 | 0.0194 | 0 | 0 | 0 | 0 | 0 | 0 | चंडीगढ़ |
| 33 | Dadara & Nagar Haveli | 0.054 | 0.002 | 0.010 | 0.004 | 0.070 | 0.007 | 0.063 | 0.008 | 0.013 | 0.020 | 0.014 | 0.042 | 32 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 0.012 | 0.001 | 0.000 | 0.001 | 0.015 | 0.001 | 0.014 | 0.008 | 0.002 | 0.010 | 0.003 | 0.003 | 70 | दमन एवं दीव |
| 35 | Lakshdweep | 0 | 0 | 0 | 0 | 0.01055 | 0.00704 | 0.00350 | 0.00000 | 0.00237 | 0.00237 | 0 | 0 | 68 | लक्षद्वीप |
| 36 | Puducherry | 0.095 | 0.060 | 0.009 | 0.028 | 0.193 | 0.019 | 0.174 | 0.124 | 0.029 | 0.153 | 0.047 | 0.053 | 88 | पुद्दुचेरी |
| **Union Territories** | | **0.56** | **0.10** | **0.024** | **0.035** | **0.73** | **0.08** | **0.65** | **0.139** | **0.050** | **0.189** | **0.08** | **0.46** | **29** | **संघ राज्य क्षेत्र** |
| **Grand Total** | | **259.89** | **72.10** | **40.55** | **74.32** | **446.87** | **35.57** | **411.30** | **228.30** | **24.76** | **253.06** | **31.63** | **162.22** | **62** | **कुल योग** |

Source: Central Ground Water Board, Dynamic Ground Water Resources of India, (as on 31st March, 2013)

स्रोत: केंद्रीय भौमजल बोर्ड, भारत के गतिशील भौमजल संसाधन (31 मार्च, 2013 की स्थिति के अनुसार)

BCM: Billion Cubic Meter.

# : The stage of Ground water development is to be computed as : E/N (Where E: Existing Gross draft for all uses and N: Net annual availability.)




# Residuals
# अवशिष्ट

**Statement 3.01 : Energy related cumulative $CO_2$ Emissions**

**विवरण 3.01 : $CO_2$ का ऊर्जा संबद्ध संचयी उत्सर्जन**

**(million tonnes of $CO_2$ मिलियन टन में)**

| Year | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 | 2005 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | वर्ष |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **World** | **15 487** | **17 709** | **18 250** | **20 518** | **21 380** | **23 223** | **27 070** | **30 490** | **31 338** | **31 669** | **32 288** | **32 328** | **32 276** | **32 314** | **विश्व** |
| India | 217.2 | 263.3 | 376.2 | 529.1 | 703.3 | 884.7 | 1 072.1 | 1 580.6 | 1 665.0 | 1 801.0 | 1 851.9 | 2 015.3 | 2 026.1 | 2 076.8 | भारत |
| China (incl. Hong Kong, China) | 1 040.2 | 1 378.4 | 1 648.3 | 2 122.2 | 2 936.8 | 3 140.0 | 5 447.8 | 7 833.6 | 8 611.6 | 8 859.6 | 9 236.8 | 9 173.1 | 9 146.6 | 9 101.5 | चीन (हांगकांग, चीन सहित) |
| Brazil | 129.6 | 167.8 | 156.2 | 184.3 | 227.8 | 292.4 | 310.6 | 370.6 | 389.7 | 422.4 | 451.5 | 475.6 | 451.5 | 416.7 | ब्राजील |
| United States | 4 355.8 | 4 595.8 | 4 514.3 | 4 803.1 | 5 073.9 | 5 729.9 | 5 703.2 | 5 352.1 | 5 128.2 | 4 903.0 | 5 038.5 | 5 046.6 | 4 919.6 | 4 833.1 | संयुक्त राज्य |
| *Europe* | .. | .. | .. | *7 176* | *5 953* | *5 758* | *5 917* | *5 642* | *5 584* | *5 484* | *5 354* | *5 097* | *5 077* | *5 049* | *यूरोप* |
| *Annex I Parties* | .. | .. | .. | *13 719* | *12 986* | *13 619* | *13 858* | *13 224* | *13 013* | *12 750* | *12 769* | *12 504* | *12 332* | *12 240* | *अनुबंध 1 के पक्षकार* |
| *Non-Annex I Parties* | .. | .. | .. | *6 168* | *7 675* | *8 750* | *12 217* | *16 146* | *17 188* | *17 826* | *18 417* | *18 685* | *18 750* | *18 834* | *अनुबंध 1 के गैर पक्षकार* |

Source: IEA $CO_2$ Emissions from Fuel Combustion, OECD/IEA, Paris, 2018.

स्रोत: ईंधन दहन से $CO_2$ का उत्सर्जन, ओईसीडी/आईईए, पेरिस, 2018

*Annex I Parties - Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom, United States of America*
*Non-annex I Parties - All the remaining countries are referred to as Non- annex I Parties*

## Statement 3.02: Greenhouse gas emission by source and removal by sinks from India

## विवरण 3.02 : भारत से स्रोत के अनुसार ग्रीनहाउस गैस का उत्सर्जन एवं सिंक द्वारा निष्कासन

(For year 2014 वर्ष के लिए))

(values in Gigagrams / गीगा ग्राम)

| | $CO_2$ emission उत्सर्जन | $CO_2$ removal निष्कासन | $CH_4$ | $N_2O$ | HFC-134a | HFC 23 | $CF_4$ | $C_2F_6$ | $SF_6$ | $CO_2$ equivalentसमकक्ष | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **TOTAL without LULUCF** | **1997891.85** | **0.00** | **20005.35** | **475.29** | **0.00** | **1.59** | **2.61** | **0.71** | **0.0040** | **2607488.12** | **एलयूएलयूसीएफ के बगैर कुल** |
| **TOTAL with LULUCF** | **2015107.88** | **319860.23** | **20053.54** | **476.71** | **0.00** | **1.59** | **2.61** | **0.71** | **0.0040** | **2306295.43** | **एलयूएलयूसीएफ के साथ कुल** |
| **1. ENERGY** | **1844705.03** | **0.00** | **2133.37** | **65.35** | **0.00** | **0.00** | **0.00** | **0.00** | **0.0040** | **1909765.74** | 1. ऊर्जा |
| A. Fuel Combustion Activities | 1844705.03 | 0.00 | 321.13 | 65.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 1461192.10 | **क.** ईंधन दहन की गतिविधिया |
| 1. Energy Industries | 1135357.11 | 0.00 | 14.96 | 17.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 880168.90 | 1. ऊर्जा उद्द्योग |
| 2. Manufacturing Industries and Construction | 350211.44 | 0.00 | 4.80 | 5.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 300618.29 | 2. विनिर्माण उद्द्योग एव निर्माण |
| 3. Transport | 245845.66 | 0.00 | 57.68 | 10.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 188008.96 | 3. परिवहन |
| 4. Other sectors | 113290.83 | 0.00 | 243.69 | 33.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 92395.96 | 4. अन्य क्षेत्र |
| B. Fugitive Emission from fuels | 0.00 | 0.00 | 1812.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 48928.66 | **ख.** ईधनो से पलायक उत्सर्जन |
| 1. Solid fuels | 0.00 | 0.00 | 787.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 16212.00 | 1. ठोस इंधन |
| 2. Oil and Natural gas | 0.00 | 0.00 | 1024.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 32716.66 | 2. तेल एव प्राकृतिक गैस |
| **2. Industrial Processes and Product Use** | **153186.81** | **0.00** | **177.85** | **10.36** | **0.00** | **1.59** | **2.61** | **0.71** | **0.0000** | **202277.69** | **2.** औद्द्योगिक प्रकियाए तथा उत्पाद प्रयोग |
| A. Minerals | 126855.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 126855.79 | **क. खनिज** |
| B. Chemicals | 18485.87 | 0.00 | 22.75 | 10.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 22174.88 | ख. रसायन |
| C. Metal Production | 5671.71 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 2.61 | 0.71 | 0.0040 | 29242.38 | **ग. धातु** |
| D. Other Production | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | | घ. अन्य उत्पाद |
| E. Non energy product use | 2173.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | 2173.44 | ड. गैर ऊर्जा उत्पादन |
| **3. AGRICULTURE** | **0.00** | **0.00** | **14709.78** | **349.39** | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | **417217.54** | **3.** कृषि |
| **4. LULUCF** | **17216.04** | **319860.23** | **48.19** | **1.42** | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | **-301192.69** | **4.** एलयूएलयूसीएफ |
| **5. WASTE** | **0.00** | **0.00** | **2984.35** | **50.18** | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | **78227.15** | **5.** अपशिष्ट |
| **Memo Item (not accounted in total Emissions)** | **812030.60** | **0.00** | **0.108** | **0.11** | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 | **812067.87** | **ज्ञापन मद (जो कुल उत्सर्जन में शामिल नहीं की गई है)** |

Source: India First Biennial Update Report to the United Nations Framework Convention on Climate Change -2017.

स्रोत: जलवायु परिवर्तन पर संयुक्त राष्ट्र रूपरेखा अभिसमय के लिए भारत की पहली द्विवार्षिक अपडेट रिपोर्ट - 2017

Note: LULUCF: Land Use, Land Use Change & Forestry

**Statement 3.03: Production of Ozone Depleting Substances in India**

**विवरण 3.03 : भारत में ओजोन ह्रासन पदार्थों का उत्पादन**

**(MT: Metric tons / एमटी: मीट्रिक टन)**

| Sl. No. क्र. सं. | ODS | 2000 | 2005 | 2010 | 2011 | 2012 | 2013 | *2014* | *2015* | *2016* | *2017* | ओडीएस |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CFC-11 Trichlorofluoromethane (CFCl3) | 5634.0 | 1543.4 | 83.5 * | 0.0 | 0.0 | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | सीएफसी-11 ट्राइक्लोरोफ्लोरोमिथेन (CFCl3) |
| 2 | CFC – 12 Dichlorodifluoromethane (CF2Cl2) | *14770.0* | 9702.2 | 234.8 * | 0.0 | 0.0 | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | सीएफसी - 12 डाइक्लोरोट्रफ्लोरोएथेन (CF2Cl2) |
| 3 | CFC – 113 Trichlorotrifluoroethane (C2F3Cl3) | 5.0 | 18.0 | *0.0* | *0.0* | 0.0 | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | सीएफसी - 113 ट्राइक्लोरोट्रफ्लोरोएथेन (C2F3Cl3) |
| 4 | Halon –1211 Bromochlorodifluoromethane (CF2BrCl) | – | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | हैलोन –1211 ब्रोमोक्लोरोडिफ्लोरोमिथेन (CF2BrCl) |
| 5 | Halon –1301 Bromotrifluoromethane (CF3Br) | – | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *27.7* | हैलोन –1301 ब्रोमोट्राइफ्लोरोमिथेन (CF3Br) |
| 6 | *Halon –2402 Dibromotetrafluoroethanes (C2F4Br2)* | – | – | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *हैलोन –2402 डिब्रोमोटेट्राफ्लोरोइथेन (C2F4Br2)* |
| 7 | CTC Carbon tetrachloride *(CCl4)* | 17509.0 | 17433.3 | 15222.8 | 17741.0 | 15412.0 | 17663.8 | *19621.3* | *19324.79* | *18003.15* | *19070.96* | सीटीसी कार्बन टेट्राक्लोराइड *(CCl4)* |
| 8 | MCh Methyl chlorofrom *(C2H3Cl3)* | – | *0.0* | – | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | MCh मेथिल क्लोरोफॉर्म *(C2H3Cl3)* |
| 9 | HCFC – 22 *Chlorodifluoromethane (CHF2Cl)* | 14061.0 | 24789.2 | 47613.3 | 48476.6 | *48177.8* | 40650.6 | *54937.9* | *53313.73* | *56958.70* | *65508.74* | एचसीएफसी – 22 *क्लोरोडिफ्लोरोमिथेन (CHF2Cl)* |
| 10 | MBr Methyl Bromide (*CH3Br)* | 107.0 | *15.00* ** | *425.598* ** | *460.330* ** | *543.918* ** | *348.071* ** | *1248.342* ** | *332.632* ** | *2510.65* | *3178.02* | MBr मेथिल ब्रोमाइड (*CH3Br)* |
| | Total | *52093.00* | 53501.10 | 63580.00 | 66677.93 | *64133.72* | 59162.47 | *75807.54* | *73971.15* | | | कुल |

Source: Website of the Ozone Cell, Ministry of Environment, *Forest and Climate Change*

स्रोत: ओजोन प्रकोष्ठ, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की वेबसाइट

ODS: Ozone Depleting Substance CFC: Chloro-Fluoro- Carbon HCFC: Hydro Chloro Fluoro Carbon

* For Essential Use Nominatins (EUN) ** The quantities for pre-shipment & quarantine application

**Statement 3.04: Consumption of ozone depleting substances in India**

**विवरण 3.04 : भारत में ओजोन ह्रासन पदार्थों का उत्पादन**

(MT: Metric tons एमटी: मीट्रिक टन)

| Sl. No. क्र. सं. | ODS | 2000 | 2005 | 2010 | 2011 | 2012 | 2013 | *2014* | *2015* | *2016* | *2017* | ओडीएस |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CFC-11 Trichlorofluoromethane (CFCl3) | 3002.0 | 337.3 | 78.616* | 0.0 | 0.0 | 0.0 | *0.0* | *0.0* | *0.0* | | सीएफसी -11 ट्राइक्लोरोफ्लोरोमिथेन (CFCl3) |
| 2 | CFC – 12 Dichlorodifluoromethane (CF2Cl2) | 2612.0 | 1609.0 | 212.117 * | 0.0 | 0.0 | 0.0 | *0.0* | *0.0* | *0.0* | | सीएफसी - 12 डाइक्लोरोट्रफ्लोरोएथेन (CF2Cl2) |
| 3 | CFC – 113 Trichlorotrifluoroethane (C2F3Cl3) | – | 14.3 | *0.0* | 0.0 | 0.0 | 0.0 | *0.0* | *0.0* | *0.0* | | सीएफसी - 113 ट्राइक्लोरोट्रफ्लोरोएथेन (C2F3Cl3) |
| 4 | *Halon –1211 Bromochlorodifluoromethane (CF2BrCl)* | *52.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | | *हैलोन –1211 ब्रोमोक्लोरोडिफ्लोरोमिथेन (CF2BrCl)* |
| 5 | *Halon –1301 Bromotrifluoromethane (CF3Br)* | *40.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | | *हैलोन –1301 ब्रोमोट्राइफ्लोरोमिथेन (CF3Br)* |
| 6 | *Halon –2402 Dibromotetrafluoroethanes (C2F4Br2)* | – | – | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | | *हैलोन –2402 डिब्रोमोटेट्राफ्लोरोइथेन (C2F4Br2)* |
| 7 | CTC Carbon tetrachloride *(CCl4)* | 11043.0 | 1494.5 | *0.0* | 0.0 | 0.0 | 0.0 | *0.0* | *0.0* | *0.0* | | सीटीसी कार्बन टेट्राक्लोराइड *(CCl4)* |
| 8 | *MCh Methyl chlorofrom (C2H3Cl3)* | *1274.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | | *MCh मेथिल क्लोरोफॉर्म (C2H3Cl3)* |
| 9 | *HCFC – 22 Chlorodifluoromethane (CHF2Cl)* | 3583.0 | 8854.3 | 12503.0 | 10266.39 | *15646.511* | 8029.435 | *8050.091* | *11777.72* | *10884.29* | *9376.947* | एचसीएफसी – 22 *क्लोरोडिफ्लोरोमिथेन (CHF2Cl)* |
| 10 | *HCFC* -123 *Dichlorotrifluoroethanes (CHCl2CF3)* | 20.0 | 15.3 | 115.085 | 0.0 | 136.0 | 196.952 | *180.817* | *174.87* | *373.352* | *253.468* | एचसीएफसी – 123 *डाइक्लोरोट्राईफ्लोरोइथेन (CHCl2cF3)* |
| 11 | *HCFC-124 Chlorotetrafluoroethane(CHFClCF3)* | – | – | *603.2* | *288.7* | *69.2* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *एचसीएफसी – 124 क्लोरोटेट्राफ्लोरोइथेन (CHFClCF3)* |
| 12 | *HCFC* -141b *Dichlorofluoroethanes (CH3CFCl2)* | 483.0 | 2155.9 | 7836.8 | 7924.0 | 6400.0 | 4568.216 | *4112.563* | *3028.00* | *3638.02* | *2526.25* | एचसीएफसी – 141बी *डाइक्लोरोफ्लोरोइथेन (CH3CFCl2)* |
| 13 | *HCFC-142b Chlorodifluoroethanes (CH3CF2Cl)* | – | – | *805.0* | *645.0* | *1308.4* | *428.9* | *120.319* | *126.00* | *126.00* | *120.00* | *एचसीएफसी – 142बी क्लोरोडीफ्लोरोइथेन (CH3CF2Cl)* |
| 14 | MBr Methyl Bromide (*CH3Br)* | *107.0* | *316.150* ** | *703.978* ** | *864.566* ** | *1054.132* ** | *1175.785* ** | *968.512* ** | *329.542* ** | *1180.873* | *1384.40* | MBr मेथिल ब्रोमाइड (*CH3Br)* |
| | **Total** | ***22216.00*** | ***14796.75*** | ***22857.78*** | ***19988.66*** | ***24614.24*** | ***14399.29*** | ***13432.30*** | ***15436.13*** | | | **कुल** |

Source: Website of the Ozone Cell, Ministry of Environment, *Forest and Climate Change*

स्रोत: ओजोन प्रकोष्ठ, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की वेबसाइट

ODS: Ozone Depleting Substance HCFC: Hydro Chloro Fluoro Carbon * For Essential Use Nominatins (EUN)

CFC: Chloro-Fluoro- Carbon ** The quantities for pre-shipment & quarantine application

**Statement 3.05 : Waste water generation, collection, treatment in Metro Cities**

**विवरण 3.05 : महानगरों में अपशिष्ट जल सृजन, संग्रहण, शोधन**

| Sl. No. क्र. सं. | Name of Metro City महानगर का नाम | Total Population कुल जनसंख्या | Municipal Population नगरपालिका आबादी | Volume of Waste Water Generated (mld) सृजित अपशिष्ट जल का परिमाण (मिलियन लीटर प्रतिदिन) | | | Waste Water Collected संग्रहीत अपशिष्ट जल | | Capacity mld क्षमता | Treatment शोधन | | Mode of Disposal निस्तारण की प्रणाली | महानगर का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Domestic घरेलू | Industrial औद्योगिक | Total कुल | Volume (mld) मात्रा (मिलियन लीटर प्रति दिवस) | % प्रतिशत | मिलियन लीटर प्रति दिवस | Primary प्राथमिक | Second-ary द्वितीयक | | |
| 1 | Ahmedabad | 3312216 | 2876710 | 520.0 | 36.0 | 556.0 | 445.0 | 80.0 | 430.0 | Y | Y | Sabarmati river | अहमदाबाद |
| 2 | Bengaluru | 4130288 | 4130288 | 375.0 | 25.0 | 400.0 | 300.0 | 75.0 | 290.0 | Y | Y | V. Valley,Ksc Valley | बेंगलुरू |
| 3 | Bhopal | 1062771 | 1062771 | 189.3 | -- | 189.3 | 94.6 | 50.0 | 87.0 | Y | Y | Agriculture | भोपाल |
| 4 | Chennai | 5421985 | 4752974 | 276.0 | -- | 276.0 | 257.0 | 93.1 | 257.0 | Y | Y | Agriculture, Sea | चेन्नई |
| 5 | Coimbatore | 1100746 | 816321 | 60.0 | -- | 60.0 | 45.0 | 75.0 | -- | -- | -- | Nayal river, Irrigation | कोयम्बटूर |
| 6 | Delhi | 8419084 | 8419084 | 1270.0 | -- | 1270.0 | 1016.0 | 80.0 | 981.0 | Y | Y | Agriculture, Yamuna River | दिल्ली |
| 7 | Hyderabad | 4344437 | 4098734 | 348.3 | 25.0 | 373.3 | 299.0 | 80.1 | 115.0 | Y | -- | River, Irrigation | हैदराबाद |
| 8 | Indore | 1109056 | 1091674 | 145.0 | -- | 145.0 | 116.0 | 80.0 | 14.0 | Y | -- | Khan River, Irrigation | इंदौर |
| 9 | Jaipur | 1518235 | 1458483 | 220.0 | -- | 220.0 | 165.0 | 75.0 | 27.0 | Y | Y | Agriculture | जयपुर |
| 10 | Kanpur | 2029889 | 1874409 | 200.0 | -- | 200.0 | 150.0 | 75.0 | 41.0 | Y | Y | Ganga, Sewage Farm | कानपुर |
| 11 | Kochi | 1140605 | 670009 | 75.0 | -- | 75.0 | 45.0 | 60.0 | -- | -- | -- | Cochin Back waters | कोच्चि |
| 12 | Kolkata | 11021918 | 9643211 | 1383.8 | 48.4 | 1432.2 | 1074.9 | 75.1 | -- | -- | -- | Hughly river/ Fish Farm | कोलकाता |
| 13 | Lucknow | 1669204 | 1619115 | 106.0 | -- | 106.0 | 80.0 | 75.5 | -- | -- | -- | Gomati River | लखनऊ |
| 14 | Ludhiana | 1042740 | 1042740 | 94.4 | -- | 94.4 | 47.0 | 49.8 | -- | -- | -- | Agriculture | लुधियाना |
| 15 | Madurai | 1085914 | 940989 | 48.0 | -- | 48.0 | 33.6 | 70.0 | -- | -- | -- | Agriculture | मदुरै |
| 16 | Mumbai | 12596243 | 12288519 | 2228.1 | 227.9 | 2456.0 | 2210.0 | 90.0 | 109.0 | Y | Y | Sea | मुंबई |
| 17 | Nagpur | 1664006 | 1624752 | 204.8 | -- | 204.8 | 163.0 | 79.6 | 45.0 | Y | Y | Agriculture | नागपुर |
| 18 | Patna | 1099647 | 917243 | 219.0 | -- | 219.0 | 164.0 | 74.9 | 105.0 | Y | N | River, Fisheries | पटना |
| 19 | Pune | 2493987 | 2244196 | 432.0 | -- | 432.0 | 367.0 | 85.0 | 170.0 | Y | Y | River | पुणे |
| 20 | Surat | 1518950 | 1498817 | 140.0 | -- | 140.0 | 112.0 | 80.0 | 70.0 | Y | - | Garden/Creek | सूरत |
| 21 | Vadodara | 1126824 | 1031346 | 120.0 | 20.0 | 140.0 | 105.0 | 75.0 | 81.0 | Y | Y | river, Agriculture | वडोदरा |
| 22 | Varanasi | 1030863 | 1030863 | 170.0 | -- | 170.0 | 127.0 | 74.7 | 101.0 | Y | Y | Ganga, Agriculture | वाराणसी |
| 23 | Vishakhapatnam | 1057118 | 752037 | 68.0 | -- | 68.0 | 55.0 | 80.9 | -- | -- | -- | -- | विशाखापत्तनम |
| **Total** | | **70996726.0** | **65885285.0** | **8892.7** | **382.3** | **9275.0** | **7471.1** | **80.6** | **2923.0** | | | | **कुल** |

*Source : Central Pollution Control Board* स्रोत : केन्द्रीय प्रदूषण नियंत्रण बोर्ड

Y = Yes N = No mld - Million Litre per day Note : Data Collected During 1995-96

**Statement 3.06 : Sewage generation and treatment capacity in most populated cities**

**विवरण 3.06 : सर्वाधिक आबादी वाले शहरों में वाहितमल सृजन एवं शोधन क्षमता**

| State | Population Class-I Cities श्रेणी-I शहरों की आबादी | Sewage Generation (in MLD) वाहितमल सृजन(मिलियन लीटर प्रतिदिन) | Sewage Treatment Capacity (in MLD) वाहितमल शोधन क्षमता (मिलियन लीटर प्रतिदिन) | राज्य |
|---|---|---|---|---|
| Delhi | 20086422 | 4399 | 2693.7 | दिल्ली |
| Kolkata (M.Corp) | 15802272 | 3461 | 328.2 | कोलकाता (नगर निगम) |
| Greater Mumbai (M.Corp) | 12657766 | 2772 | 2600.9 | ग्रेटर मुंबई (नगर निगम) |
| Bengluru (M. Corp) | 9965309 | 2182 | 721 | बेंगलुरु (नगर निगम) |
| Ahmedabad (M. Corp) | 7303277 | 1599 | 1283 | अहमदाबाद (नगर निगम) |
| Chennai (M.Corp) | 5155687 | 1129 | 608 | चेन्नई (नगर निगम) |
| Greater Hyderabad (M.Corp) | 3899838 | 854 | 657.3 | ग्रेटर हैदराबादी (नगर निगम) |
| Jaipur (M.Corp) | 3393996 | 743 | 269 | जयपुर (नगर निगम) |
| Lucknow(M.Corp) | 3105918 | 680 | 325 | लखनऊ (नगर निगम) |
| Indore(M.Corp) | 2055721 | 450 | 90 | इंदौर (नगर निगम) |
| **Total** | **83426206** | **18269** | **9576.1** | **कुल** |

*Source: Central Pollution Control Board (as received on 22.08.2017)*

स्रोत: केंद्रीय प्रदूषण नियंत्रण बोर्ड (22.08.2017 को यथाप्राप्त)

MLD: Million litre per day

**Statement 3.07: State-wise sewage generation of class-I cities and class-II towns**

**विवरण 3.07 : श्रेणी-I शहरों एवं श्रेणी-II नगरों का राज्यवार वाहितमल सृजन**

| Sl. No. क्र. सं. | State/Union Territory | No. of Cities* नगरों की संख्या* | Sewage Generation* (in MLD) वाहितमल सृजन* (मिलियन लीटर प्रतिदिन) | Sewage Treatment Capacity* (in MLD) वाहितमल शोधन क्षमता* (मिलियन लीटर प्रतिदिन) | No of Class -II Towns श्रेणी-II नगरों की संख्या | Sewage generation of Class-II Towns (in MLD) श्रेणी-II नगरों में वाहितमल सृजन (मिलियन | Sewage Treatment capacity (in MLD) वाहितमल शोधन क्षमता (मिलियन लीटर प्रतिदिन) | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 99 | 1978.19 | 654.00 | 52 | 217.59 | 10.42 | आंध्र प्रदेश |
| 2 | Assam | 13 | 386.60 | - | 8 | 6.46 | - | असम |
| 3 | Bihar | 37 | 1117.12 | 137.50 | 14 | 107.42 | 2.00 | बिहार |
| 4 | Chhattisgarh | 14 | 391.29 | 69.00 | 7 | 40.82 | - | छत्तीसगढ़ |
| 5 | Delhi | 1 | 3800.00 | 2330.00 | - | - | - | दिल्ली |
| 6 | Goa | 3 | 23.68 | 18.18 | 2 | 13.89 | 18.18 | गोवा |
| 7 | Gujarat | 59 | 1908.47 | 782.50 | 31 | 227.55 | - | गुजरात |
| 8 | Haryana | 27 | 670.21 | 312.00 | 7 | 43.52 | - | हरियाणा |
| 9 | Himachal Pradesh | 1 | 28.94 | 35.63 | - | - | - | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 6 | 241.79 | - | 4 | 27.86 | - | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 24 | 908.68 | - | 10 | 78.21 | - | झारखंड |
| 12 | Karnataka | 59 | 2023.77 | 55.62 | 26 | 233.37 | 12.18 | कर्नाटक |
| 13 | Kerala | 34 | 806.49 | - | 26 | 231.32 | - | केरल |
| 14 | Madhya Pradesh | 48 | 1379.62 | 195.10 | 23 | 130.90 | 9.00 | मध्य प्रदेश |
| 15 | Maharashtra | 84 | 10200.02 | 4254.25 | 34 | 213.73 | 29.00 | महाराष्ट्र |
| 16 | Manipur | 1 | 26.74 | - | - | - | - | मणिपुर |
| 17 | Meghalaya | 2 | 32.09 | - | 1 | 11.25 | - | मेघालय |
| 18 | Mizoram | 1 | 5.71 | - | - | - | - | मिजोरम |
| 19 | Nagaland | 2 | 14.98 | - | 1 | 1.36 | - | नागालैंड |
| 20 | Odisha | 24 | 739.15 | 53.00 | 12 | 78.42 | - | ओडिशा |
| 21 | Punjab | 33 | 1685.66 | 453.80 | 14 | 157.40 | 42.80 | पंजाब |
| 22 | Rajasthan | 45 | 1530.16 | 54.00 | 21 | 147.79 | - | राजस्थान |
| 23 | Tamilnadu | 84 | 1261.88 | 362.72 | 42 | 184.67 | 29.30 | तमिलनाडु |
| 24 | Tripura | 1 | 24.00 | - | - | - | - | त्रिपुरा |
| 25 | Uttar Pradesh | 107 | 3851.71 | 1252.74 | 46 | 345.70 | 12.61 | उत्तर प्रदेश |
| 26 | Uttarakhand | 7 | 186.04 | 24.33 | 1 | 9.07 | 6.33 | उत्तराखंड |
| 27 | West Bengal | 87 | 2525.63 | 567.80 | 27 | 180.42 | 61.88 | पश्चिम बंगाल |
| 28 | Andaman And Nicobar Island | 1 | 12.00 | 10.42 | - | - | - | अंडमान एवं निकोबार दीप समूह |
| 29 | Chandigarh | 1 | 429.76 | 164.79 | - | - | - | चंडीगढ़ |
| 30 | Puducherry | 3 | 64.44 | - | 1 | 7.98 | - | पुद्दुचेरी |
| **Total** | | **908** | **38254.824** | **11787.38** | **410** | **2696.70** | **233.70** | |

Source: Central Pollution Control Board/ स्रोत: केन्द्रीय प्रदूषण नियंत्रण बोर्ड
MLD: Million litre per day

* Based on the report, CPCB reported that out of 38254 MLD of sewage generated by class I cities and class II towns of the country, only 11787 MLD has been treated. CPCB reassessed sewage generation and treatment capacity for Urban Population of India for the year 2015.

**Statement 3.08 : Status of grossly polluting industries discharging their effluents into rivers and lakes**

**विवरण 3.08 : अपने बहि:स्राव को नदियों एवं झीलों में बहाने वाले अत्यंत प्रदूषक उद्योगों की स्थिति**

| Sl. No. क्र. सं. | Name of the State/UT | 2010 | | | | 2011 | | | | राज्य/संघ राज्य क्षेत्र का नाम |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Total कुल | Complying अनुपालक | Closed बंद | Defaulting चूककर्ता | Total कुल | Complying अनुपालक | Not Complying* गैर अनुपालक* | Closed बंद | |
| 1 | Andhra Pradesh | 17 | 11 | 6 | 0 | 17 | 11 | 0 | 6 | आंध्र प्रदेश |
| 2 | Assam | 9 | 9 | 0 | 0 | 9 | 4 | 5 | 0 | असम |
| 3 | Bihar | 22 | 16 | 6 | 0 | 22 | 16 | 0 | 6 | बिहार |
| 4 | Chhattisgarh | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | छत्तीसगढ़ |
| 5 | Goa | - | - | - | - | 2 | 2 | 0 | 0 | गोवा |
| 6 | Gujarat | 17 | 12 | 4 | 1 | 3 | 2 | 1 | 0 | गुजरात |
| 7 | Haryana | 76 | 71 | 1 | 4 | 142 | 112 | 17 | 13 | हरियाणा |
| 8 | Himachal Pradesh | - | - | - | - | 2 | 2 | 0 | 0 | हिमाचल प्रदेश |
| 9 | Jharkhand | 38 | 38 | 0 | 0 | 5 | 2 | 3 | 0 | झारखंड |
| 10 | Karnataka | 10 | 8 | 1 | 1 | 10 | 8 | 1 | 1 | कर्नाटक |
| 11 | Kerala | 36 | 18 | 7 | 11 | 29 | 20 | 2 | 7 | केरल |
| 12 | Madhya Pradesh | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | मध्य प्रदेश |
| 13 | Maharashtra | 214 | 139 | 2 | 73 | 214 | 139 | 73 | 2 | महाराष्ट्र |
| 14 | Odisha | 20 | 6 | 5 | 9 | 19 | 6 | 8 | 5 | ओडिशा |
| 15 | Punjab | 20 | 9 | 4 | 7 | 20 | 14 | 2 | 4 | पंजाब |
| 16 | Tamil Nadu | 366 | 248 | 118 | 0 | 1 | 1 | 0 | 0 | तमिलनाडु |
| 17 | Tripura | - | - | - | - | 12 | 7 | 3 | 2 | त्रिपुरा |
| 18 | Uttar Pradesh | 432 | 294 | 89 | 49 | 569 | 391 | 62 | 116 | उत्तर प्रदेश |
| 19 | Uttarakhand | 45 | 25 | 4 | 16 | 49 | 29 | 16 | 4 | उत्तराखंड |
| 20 | West Bengal | 31 | 19 | 3 | 9 | 32 | 21 | 7 | 4 | पश्चिम बंगाल |
| 21 | Daman Diu & Dadar Nagar Haveli | 2 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | दमन दीव और दादरा नगरहवेली |
| 22 | Puducherry | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | पुद्दुचेरी |
| | **Total** | **1358** | **926** | **250** | **182** | **1162** | **792** | **200** | **170** | **कुल** |

*Source : Central Pollution Control Board*

*स्रोत : केंद्रीय प्रदूषण नियंत्रण बोर्ड, पर्यावरण एवं वन मंत्रालय*

* : Not complying : industries with effluent treatment installed but found not complying with few parameter of prescribed standard at the time of monitoring.

Note : Up-dated information in respect of Maharashtra, Andhra Pradesh, Chhattisgarh and Daman are awaited. The status of these states is based on previous available data.

**Statement 3.09: State- wise municipal solid waste generation in India**

**विवरण 3.09 : भारत में सृजित राज्यवार नगरपालिका ठोस अपशिष्ट**

| Sl. No. क्र. सं. | State | Quantity Generated (TPD) सृजित मात्रा (टीपीडी) | Collected (TPD)संग्रहीत (टीपीडी) | Treated (TPD) शोधित (टीपीडी) | Landfilled (TPD) भूमि भराव (टीपीडी) | Nos. of compost plant कंपोस्ट प्लांट की संख्या | Nos. of landfill भराव क्षेत्र की संख्या | राज्य |
|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 6440 | 6331 | 500 | 143 | 18 | 2 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 13 | 11 | 0 | 0 | 0 | 1 | अरुणाचल प्रदेश |
| 3 | Assam | 650 | 350 | 0 | 0 | 0 | 0 | असम |
| 4 | Bihar | 1670 | 0 | 0 | 0 | 0 | 0 | बिहार |
| 5 | Chhattisgarh | 1896 | 1704 | 168 | - | 3 | 0 | छत्तीसगढ़ |
| 6 | Delhi | 8370 | 8300 | 3240 | 5060 | 2 | 4 | दिल्ली |
| 7 | Goa | 450 | 400 | 182 | - | 8 | 7 | गोवा |
| 8 | Gujarat | 10480 | 10480 | 2565 | 7730 | 93 | 11 | गुजरात |
| 9 | Haryana | 3103 | 3103 | 188 | - | 10 | 3 | हरियाणा |
| 10 | Himachal Pradesh | 276 | 207 | 125 | 150 | 9 | 0 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 1792 | 1322 | 320 | 375 | 3 | 1 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 3570 | 3570 | 65 | 0 | 1 | 3 | झारखंड |
| 13 | Karnataka | 8697 | 7288 | 3000 | - | 155 | 13 | कर्नाटक |
| 14 | Kerala | 1339 | 655 | 390 | 0 | 33 | 0 | केरल |
| 15 | Madhya Pradesh | 6678 | 4351 | - | - | 10 | 5 | मध्य प्रदेश |
| 16 | Maharashtra | 21,867 | 21,867 | 6993 | 14894 | 74 | 8 | महाराष्ट्र |
| 17 | Manipur | 176 | 125 | - | - | 1 | 1 | मणिपुर |
| 18 | Meghalaya | 208 | 175 | 55 | 122 | 2 | 1 | मेघालय |
| 19 | Mizoram | 552 | 276 | 0 | 0 | 0 | 0 | मिजोरम |
| 20 | Nagaland | 344 | 193 | - | - | 1 | 1 | नागालैंड |
| 21 | Odisha | 2575 | 2284 | 30 | - | 1 | 0 | ओडिशा |
| 22 | Punjab | 4456 | 4435 | 3.72 | 3214 | 3 | 8 | पंजाब |
| 23 | Rajasthan | 5037 | 2491 | 490 | | - | 1 | राजस्थान |
| 24 | Sikkim | 49 | 49 | 0.3 | 0 | 1 | 1 | सिक्किम |
| 25 | Tamil Nadu | 14500 | 14234 | 1607 | - | 182 | 3 | तमिलनाडु |
| 26 | Telengana | 6628 | 6225 | 3175 | 3050 | 3 | 1 | तेलंगाना |
| 27 | Tripura | 415 | 368 | 250.4 | 164 | 2 | 1 | त्रिपुरा |
| 28 | Uttar Pradesh | 19180 | 19180 | 5197 | - | - | 16 | उत्तर प्रदेश |
| 29 | Uttarakhand | 918 | 918 | 0 | 0 | 0 | 0 | उत्तराखंड |
| 30 | West Bengal | 9500 | 8075 | 851 | 515 | 23 | 15 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | 70 | 70 | 5 | 0 | 1 | 0 | अंडमान एवं निकोबार दीप समूह |
| 32 | Chandigarh | 370 | 360 | 250 | 230 | 0 | 1 | चंडीगढ़ |
| 33 | Daman Diu & Dadra Nagar Haveli | 85 | 85 | 0 | 0 | 0 | 0 | दमन दीव और दादरा नगरहवेली |
| 34 | Lakshadweep | 21 | - | - | - | 0 | 0 | लक्षद्वीप |
| 35 | Puducherry | 495 | 485 | 0 | 0 | 0 | 0 | पुद्दुचेरी |
| | **TOTAL** | **142870** | **129967** | **29650.42** | **35647** | **639** | **108** | **कुल** |
| | | | (91%) | (23% of collected) | (27% of collected) | | | |

Source: Central Pollution Control Board (as received on 22.08.2017)

स्रोत: केंद्रीय प्रदूषण नियंत्रण बोर्ड (22.08.2017 को यथाप्राप्त)

TPD : Tonnes per day

**Statement 3.10 : Municipal solid waste generation in metro cities / state capitals**

**विवरण 3.10 : महानगरों/राज्यों की राजधानियों में नगरपालिका ठोस अपशिष्ट का सृजन**

| Sl. No. क्र. सं. | Name of City | Population (Census-2011) जनसंख्या (जनगणना-2011) | Waste Generation (TPD) अपशिष्ट सृजन (टीपीडी) | | | | शहर का नाम |
|---|---|---|---|---|---|---|---|
| | | | 1999-2000 | 2004-2005 | 2010-11 | 2015-16 | |
| 1 | Mumbai | 12442373 | 5355 | 5320 | 6500 | 11000 | मुंबई |
| 2 | Delhi | 11034555 | 400 | 5922 | 6800 | 8700 | दिल्ली |
| 3 | Bengaluru | 8443675 | 200 | 1669 | 3700 | 3700 | बंगलौर |
| 4 | Chennai | 7088000 | 3124 | 3036 | 4500 | 5000 | चेन्नई |
| 5 | Hyderabad | 6731790 | 1566 | 2187 | 4200 | 4000 | हैदराबाद |
| 6 | Ahmedabad | 5577940 | 1683 | 1302 | 2300 | 2500 | अहमदाबाद |
| 7 | Kolkata | 4496694 | 3692 | 2653 | 3670 | 4000 | कोलकाता |
| 8 | Surat | 4467797 | 900 | 1000 | 1200 | 1680 | सूरत |
| 9 | Pune | 3124458 | 700 | 1175 | 1300 | 1600 | पूणे |
| 10 | Jaipur | 3046163 | 580 | 904 | 310 | 1000 | जयपूर |
| 11 | Lucknow | 2817105 | 1010 | 475 | 1200 | 1200 | लखनऊ |
| 12 | Kanpur | 2765348 | 1200 | 1100 | 1600 | 1500 | कानपूर |
| 13 | Nagpur | 2405665 | 443 | 504 | 650 | 1000 | नागपूर |
| 14 | Vishakhapatnam | 2035922 | 300 | 584 | 334 | 350 | विशाखापत्तनम |
| 15 | Indore | 1960631 | 350 | 557 | 720 | 850 | इंदौर |
| 16 | Thane | 1818872 | - | - | - | 700 | थाणे |
| 17 | Bhopal | 1798218 | 546 | 574 | 350 | 700 | भोपाल |
| 18 | Pimpri-chinchwad | 1729359 | - | - | - | 700 | पिम्परी-चिंचवाड |
| 19 | Patna | 1683200 | 330 | 511 | 220 | 450 | पटना |
| 20 | Vadodara | 1666703 | 400 | 357 | 600 | 700 | वडोदरा |
| 22 | Ludhiana | 1613878 | 400 | 735 | 850 | 850 | लुधियाना |
| 23 | Coimbatore | 1601438 | 350 | 530 | 700 | 850 | कोयम्बटूर |
| 24 | Agra | 1585704 | - | 654 | 520 | 790 | आगरा |
| 25 | Madurai | 1561129 | 370 | 275 | 450 | 450 | मदूरै |
| 26 | Nashik | 1486973 | - | 200 | 350 | 500 | नासिक |
| 27 | Vijayawada | 1476931 | - | 374 | 600 | 550 | विजयवाड़ा |
| 28 | Faridabad | 1404653 | - | 448 | 700 | 400 | फरीदाबाद |
| 29 | Meerut | 1309023 | - | 490 | 520 | 500 | मेरठ |
| 30 | Rajkot | 1286995 | - | 207 | 230 | 450 | राजकोट |
| 31 | Kalyan-dombivali | 1246381 | - | - | 510 | 650 | कल्याण-डोम्बीवली |
| 32 | Vasai-virar | 1221233 | - | - | - | 600 | वसई-विरार |
| 33 | Varanasi | 1201815 | 412 | 425 | 450 | 500 | वाराणसी |
| 34 | Srinagar | 1192792 | - | 428 | 550 | 550 | श्रीनगर |
| 36 | Dhanbad | 1161561 | - | 77 | 150 | 180 | धनबाद |
| 37 | Amritsar | 1132761 | - | 438 | 550 | 600 | अमृतसर |
| 38 | Navi Mumbai | 1119477 | - | - | - | 675 | नवी मुंबई |
| 39 | Allahabad | 1117094 | - | 509 | 350 | 450 | इलाहाबाद |
| 40 | Ranchi | 1073440 | - | 208 | 140 | 150 | रांची |
| 41 | Howrah | 1072161 | - | - | - | 740 | हावड़ा |
| 42 | Jabalpur | 1054336 | - | 216 | 400 | 550 | जबलपूर |
| 43 | Gwalior | 1053505 | - | - | 285 | 300 | ग्वालियर |
| 45 | Raipur | 1010087 | - | 184 | 224 | 230 | रायपूर |

*Source: Central Pollution Control Board*

स्रोत: केन्द्रीय प्रदूषण नियंत्रण बोर्ड

**Statement 3.11 : State-wise status of hazardous waste generation**

**विवरण 3.11 : घातक अपशिष्ट सृजन की राज्यवार स्थिति**

| Sl. No. क्र. सं. | State | Number of Hazardous waste generating Industry घातक अपशिष्ट का सृजन करने उद्योगों की संख्या | Quantity of Hazardous Waste Generation (MTA) for the year 2016-17 वर्ष 2016-17 के लिए घातक अपशिष्ट के सृजन की मात्रा | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|
| | | | Landfill able भूमि भराव योग्य | Incinerable भस्म करने योग्य | Recyclable पुनः चक्रित करने योग्य | Total कुल | |
| 1 | Andhra Pradesh | 2298 | 149376.54 | 3400.67 | 105476.95 | 258254.15 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | INP | INP | INP | INP | INP | अरुणाचल प्रदेश |
| 3 | Assam | 55 | 10075.13 | 0.00 | 32472.71 | 42547.84 | असम |
| 4 | Bihar | 121 | 30.00 | 48.35 | 6741.29 | 6819.64 | बिहार |
| 5 | Chhattisgarh | 264 | 1882.99 | 0.00 | 51472.81 | 53355.80 | छत्तीसगढ़ |
| 6 | Delhi# | 1136 | INP | INP | INP | INP | दिल्ली# |
| 7 | Goa | 1409 | 3499.00 | 17052.30 | 1390.74 | 21942.04 | गोवा |
| 8 | Gujarat | 11200 | 951764.20 | 107280.19 | 1323712.35 | 2382756.74 | गुजरात |
| 9 | Haryana | 3941 | 8995.81 | 24595.06 | 16114.22 | 49705.09 | हरियाणा |
| 10 | Himachal Pradesh | 3108 | 17804.00 | 0.00 | 12325.88 | 30129.88 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 213 | 0.00 | 12.30 | 4.26 | 16.56 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 562 | 3059.01 | 1554.30 | 567625.04 | 572238.35 | झारखंड |
| 13 | Karnataka | 3264 | 33548.10 | 29036.11 | 221075.86 | 283660.07 | कर्नाटक |
| 14 | Kerala | 927 | 34499.20 | 0.00 | 3711.04 | 38210.24 | केरल |
| 15 | Madhya Pradesh | 2222 | 28492.00 | 4326.20 | 79129.54 | 111947.74 | मध्य प्रदेश |
| 16 | Maharashtra | 6160 | 296293.10 | 49211.60 | 36172.41 | 381677.11 | महाराष्ट्र |
| 17 | Manipur* | 255 | INP | INP | INP | INP | मणिपुर* |
| 18 | Meghalaya | 11 | 0.00 | 0.00 | 37.25 | 37.25 | मेघालय |
| 19 | Mizoram | 28 | 0.00 | 0.00 | 0.00 | 0.00 | मिजोरम |
| 20 | Nagaland | 2 | 0.00 | 0.00 | 10.00 | 10.00 | नागालैंड |
| 21 | Odisha | 184 | 51576.69 | 83.37 | 481645.56 | 533305.61 | ओडिशा |
| 22 | Punjab | 3294 | 26631.86 | 3980.80 | 71982.12 | 102594.78 | पंजाब |
| 23 | Rajasthan* | 1046 | 564325.80 | 4204.70 | 130269.19 | 698799.70 | राजस्थान* |
| 24 | Sikkim | 23 | 785.47 | 785.47 | 0.00 | 1570.94 | सिक्किम |
| 25 | Tamil Nadu | 3615 | 139854.38 | 7268.14 | 206830.63 | 353953.15 | तमिलनाडु |
| 26 | Telangana | 2510 | 138791.60 | 5391.30 | 127525.41 | 271708.31 | तेलंगाना |
| 27 | Tripura | 167 | 4.50 | 4.00 | 241.09 | 249.59 | त्रिपुरा |
| 28 | Uttar Pradesh | 2334 | 55638.60 | 13290.96 | 113097.45 | 182027.01 | उत्तर प्रदेश |
| 29 | Uttarakhand | 3671 | 3962.74 | 3763.50 | 15710.39 | 23436.63 | उत्तराखंड |
| 30 | West Bengal | 1036 | 42303.60 | 3433.84 | 44375.65 | 90113.09 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | 0 | INP | INP | INP | INP | अंडमान एवं निकोबार दीप समूह |
| 32 | Chandigarh | 1167 | 69.29 | 11.25 | 2766.35 | 2846.89 | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | 0 | 0.00 | 0.00 | 0.00 | 0.00 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | INP | INP | INP | INP | INP | दमन और दीव |
| 35 | Lakshadweep | 0 | 0.00 | 0.00 | 0.00 | 0.00 | लक्षद्वीप |
| 36 | Puducherry* | 127 | 3.00 | 768.80 | 26084.88 | 26856.68 | पुद्दुचेरी |
| | **Total** | **56350** | **2563266.61** | **279503.21** | **3678001.06** | **6520770.87** | **कुल** |

Source: Central Pollution Control Board

स्रोत: केन्द्रीय प्रदूषण नियंत्रण बोर्ड

* Data not validated by respective SPCB/PCC and represent as provided by them

# Information not provided as per prescribed format 2016-17. Data shown are not as per annual return by the occupier.

INP : Information not provided.




# Extreme Events and Disasters

# चरम घटनाएं एवं आपदाएं

## Statement 4.01 : Number of Heat Waves in India
## विवरण 4.01 : भारत में ऊष्णता लहरों की संख्या

| State / UT | 1970-79 | 1980-89 | 1990-99 | 2000-09 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Andhra Pradesh | 8 | 5 | 12 | 6 | - | - | 5 | 1 | 1 | 23 | - | 80 | 65 | आंध्र प्रदेश |
| Assam | - | 0 | 0 | 5 | - | - | | 1 | - | - | - | 0 | 0 | असम |
| Bihar | 10 | 11 | 9 | 5 | 1 | - | 2 | - | - | - | - | 6 | 19 | बिहार |
| Chhattisgarh | 1 | 0 | 1 | 0 | - | - | 2 | - | 3 | - | 5 | 6 | 0 | छत्तीसगढ़ |
| Delhi | 1 | 0 | 4 | 0 | - | - | - | - | - | - | - | 10 | 8 | दिल्ली |
| Gujarat | 1 | 2 | 4 | 3 | 1 | - | - | 1 | 1 | 1 | 2 | 11 | 7 | गुजरात |
| Haryana | 1 | 3 | 5 | 13 | - | - | - | - | - | - | - | 25 | 17 | हरियाणा |
| Himachal Pradesh | - | 1 | 0 | 2 | - | - | - | - | - | - | - | 0 | 0 | हिमाचल प्रदेश |
| Jharkhand | - | 0 | 0 | 5 | 5 | - | 9 | 2 | - | - | - | 21 | 7 | झारखंड |
| Karnataka | 1 | 1 | 0 | 2 | - | - | - | - | - | - | 2 | 0 | 0 | कर्नाटक |
| Kerala | - | 0 | 0 | 1 | - | 1 | - | - | 1 | - | 10 | 0 | 0 | केरल |
| Madhya Pradesh | 1 | 4 | 7 | 10 | 1 | - | - | 1 | - | 1 | 2 | 50 | 50 | मध्य प्रदेश |
| Maharashtra | 3 | 12 | 14 | 37 | 5 | 2 | 3 | 2 | 4 | - | 5 | 23 | 43 | महाराष्ट्र |
| Mizoram | - | 0 | 0 | 0 | 1 | - | - | - | - | - | - | 0 | 0 | मिजोरम |
| Odisha | 2 | 5 | 7 | 31 | 2 | 1 | 3 | 1 | 10 | 3 | 2 | 41 | 22 | ओडिशा |
| Punjab | 1 | 8 | 4 | 31 | - | - | 1 | - | - | - | - | 25 | 7 | पंजाब |
| Rajasthan | 5 | 5 | 32 | 29 | 3 | - | - | 2 | 3 | 2 | - | 144 | 173 | राजस्थान |
| Tamil Nadu | - | 1 | 2 | 4 | - | - | - | - | - | - | 2 | 30 | 6 | तमिलनाडु |
| Telangana | 1 | 0 | 5 | 0 | - | - | - | 1 | 1 | - | - | 9 | 0 | तेलंगाना |
| Uttar Pradesh | 6 | 13 | 4 | 15 | 1 | - | 4 | - | - | - | - | 32 | 49 | उत्तर प्रदेश |
| Uttarakhand | - | 0 | 0 | 1 | - | - | - | - | - | - | - | 5 | 5 | उत्तराखंड |
| West Bengal | 2 | 8 | 20 | 19 | 1 | - | 8 | 2 | 6 | 5 | 6 | 6 | 6 | पश्चिम बंगाल |
| Chandigarh | 0 | 3 | 1 | 7 | - | - | - | - | - | - | - | | | चंडीगढ़ |
| Puducherry | - | 0 | 0 | 0 | - | - | - | - | - | - | 1 | - | - | पुदुचेरी |
| **Grand Total** | **44** | **82** | **131** | **226** | **21** | **4** | **37** | **14** | **30** | **35** | **37** | **524** | **484** | **कुल योग** |

*Source: India Meteorological Department, Ministry of Earth Sciences*

*स्रोत: भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय*

**Statement 4.02 : Number of Cold Waves in India**
**विवरण 4.02 : भारत में शीत लहरों की संख्या**

| Sl. No. क्र. सं. | State/UT | 1970-79 | 1980-89 | 1990-99 | 2000-09 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | - | - | - | - | - | - | 1 | - | - | - | - | 25 | 6 | आंध्र प्रदेश |
| 2 | Bihar | 14 | 22 | 29 | 17 | 6 | 3 | 2 | 1 | - | - | 1 | 22 | 16 | बिहार |
| 3 | Chhattisgarh | 1 | - | - | - | - | 1 | - | - | - | - | 1 | 0 | 1 | छत्तीसगढ़ |
| 4 | Delhi | - | 1 | - | 4 | - | - | - | - | 2 | - | 1 | 0 | 7 | दिल्ली |
| 5 | Gujarat | 7 | 3 | 1 | - | 1 | - | - | - | - | - | - | 0 | 4 | गुजरात |
| 6 | Haryana | - | 4 | 6 | 19 | 4 | - | - | 1 | 2 | - | - | 12 | 15 | हरियाणा |
| 7 | Himachal Pradesh | 3 | 4 | 3 | 8 | - | - | - | - | - | 2 | - | 1 | 1 | हिमाचल प्रदेश |
| 8 | Jammu and Kashmir | 5 | 10 | 2 | 2 | 2 | 2 | - | - | - | - | - | 15 | 21 | जम्मू एवं कश्मीर |
| 9 | Jharkhand | - | - | - | 3 | 4 | 5 | 4 | 2 | - | - | 1 | 3 | 2 | झारखंड |
| 10 | Madhya Pradesh | 5 | 4 | 1 | 1 | - | 1 | 1 | 3 | 2 | 1 | 1 | 14 | 24 | मध्य प्रदेश |
| 11 | Maharashtra | 3 | 4 | 3 | 2 | - | 1 | - | 1 | 1 | - | - | 11 | 19 | महाराष्ट्र |
| 12 | Odisha | - | - | 1 | 3 | - | 1 | - | - | - | - | - | 11 | 15 | ओडिशा |
| 13 | Punjab | 1 | 24 | 3 | 19 | 5 | - | - | 1 | 1 | - | - | 0 | 2 | पंजाब |
| 14 | Rajasthan | 7 | 2 | 37 | 31 | 1 | 2 | 1 | 1 | 5 | 1 | - | 91 | 36 | राजस्थान |
| 15 | Uttar Pradesh | 14 | 24 | 13 | 28 | 6 | 6 | 3 | 1 | 6 | 2 | 2 | 54 | 29 | उत्तर प्रदेश |
| 16 | Uttarakhand | - | - | 1 | 1 | - | - | - | - | - | - | - | 0 | 0 | उत्तराखंड |
| 17 | West Bengal | 2 | 2 | 23 | 8 | 1 | 2 | 1 | 1 | - | - | 1 | 17 | 2 | पश्चिम बंगाल |
| 18 | Chandigarh | - | 2 | - | 7 | 3 | - | - | - | - | - | - | - | - | चंडीगढ़ |
| 19 | Northwest India | - | - | 1 | - | - | - | - | - | - | - | - | - | - | उत्तर पश्चिम भारत |
| **Grand Total** | | **62** | **106** | **124** | **153** | **33** | **24** | **13** | **12** | **19** | **6** | **8** | **276** | **200** | **कुल योग** |

*Source: India Meteorological Department, Ministry of Earth Sciences*

*स्रोत: भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय*

**Statement 4.03 : Number of cyclonic storms formed over the North Indian Ocean**

**विवरण 4.03 : उत्तरी हिंद महासागर के ऊपर निर्मित चक्रवाती तूफानों की संख्या**

| Year<br>वर्ष | Jan<br>जनवरी | Feb<br>फरवरी | March<br>मार्च | April<br>अप्रैल | May<br>मई | June<br>जून | July<br>जुलाई | Aug<br>अगस्त | Sept<br>सितंबर | Oct<br>अक्टूबर | Nov<br>नवंबर | Dec<br>दिसंबर | Total<br>कुल |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1967 | | | | | | | | | | 1 | | | 1 |
| 1977 | | | | | | | | | | | 2 | | 2 |
| 1988 | | | | | | | | | | | 1 | | 1 |
| 1989 | | | | | 1 | | 1 | | 1 | | | | 3 |
| 1990 | | | | | 2 | | | | | | | | 2 |
| 1981-90 | | | | | **3** | **1** | **1** | **1** | **5** | **9** | **3** | **2** | **25** |
| 1991 | | | | | | | | | | | 2 | | 2 |
| 1992 | | | | | | | | | | | 2 | | 2 |
| 1993 | | | | | | | | | | | | 1 | 1 |
| 1994 | | | | | | | | | | 2 | | | 2 |
| 1995 | | | | | | | | | | | 3 | | 3 |
| 1996 | | | | | | 4 | | | | | 2 | | 6 |
| 1998 | | | | | | 1 | | | | | 1 | | 2 |
| 1999 | | | | | 1 | | | | | 3 | | | 4 |
| 2000 | | | | | | | | | | | 1 | | 1 |
| 1991-2000 | | | | | **1** | **5** | | | | **5** | **11** | **1** | **23** |
| 2001 | | | | | | | | | | 1 | | | 1 |
| 2002 | | | | | | | | | | | 2 | | 2 |
| 2003 | | | | | | | | | | | | 1 | 1 |
| 2004 | | | | | 1 | | | | | | | | 1 |
| 2005 | | | | | | | | | 1 | | | 2 | 3 |
| 2006 | 1 | | | | | | | | | | | | 1 |
| 2007 | | | | | | | | | | | 1 | | 1 |
| 2008 | | | | | | | | | | 2 | 2 | | 4 |
| 2009 | | | | | 1 | | | | | | 1 | | 2 |
| 2010 | | | | | 1 | | | | | | 1 | | 2 |
| 2001-2010 | **1** | | | | **3** | | | | **1** | **3** | **7** | **3** | **18** |
| 2011 | | | | | | | | | | | | 1 | 1 |
| 2012 | | | | | | | | | | 2 | | | 2 |
| 2013 | | | | | | | | | | 2 | 1 | | 3 |
| 2014 | | | | | | | | | | 1 | | | 1 |
| 2015 | | | | | | | 1 | | | | | | 1 |
| 2016 | | | | | 1 | | | | | | | 1 | 2 |
| 2017 | | | | 1 | 1 | | | | | | | 1 | 3 |
| 2018 | | | | | 2 | | | | 1 | 2 | 1 | 1 | 7 |
| **Grand Total** | **1** | | | **1** | **15** | **7** | **4** | **3** | **12** | **30** | **36** | **12** | **121** |

*Source: India Meteorological Department, Ministry of Earth Sciences*

*स्रोत: भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय*

**Statement 4.04: Major natural disasters in India**

**विवरण 4.04 : भारत में प्रमुख प्राकृतिक आपदाएं**

| Sl. No. क्र. सं. | Year वर्ष | Type | Affected Population Location/Area | प्रकार | प्रभावित आबादी अवस्थिति/क्षेत्र |
|---|---|---|---|---|---|
| 1 | 1990 | Cyclone | Andhra Pradesh | चक्रवात | आंध्र प्रदेश |
| 2 | 1993 | Earthquake | Latur, Marathwada region of Maharashtra | भूकंप | लातूर, महाराष्ट्र का मारठवाडा क्षेत्र |
| 3 | 1996 | Cyclone | Andhra Pradesh | चक्रवात | आंध्र प्रदेश |
| 4 | 1999 | Cyclone | Odisha | चक्रवात | ओडिशा |
| 5 | 2001 | Earthquake | Rapar, Bhuj, Bhachau, Anjar, Ahmedabad and Surat in Gujarat State | भूकंप | गुजरात में रापर, भुज, भचाऊ, अंजार, अहमदाबाद और सूरत |
| 6 | 2004 | Tsunami | Coastline of Tamil Nadu, Kerala, Andhra Pradesh, Puducherry and Andaman and Nicobar Islands of India | सुनामी | भारत के तमिलनाडु, केरल, आंध्र प्रदेश, पुद्दुचेरी और अंडमान और निकोबार द्वीपसमूह की तटीय रेखा |
| 7 | 2005 | Kashmir | Mostly Pakistan, Partially Kashmir | कश्मीर | अधिकांशत: पाकिस्तान, आंशिक रूप से कश्मीर |
| 8 | 2005 | Floods | Maharashtra State | बाढ़ | महाराष्ट्र राज्य |
| 9 | 2008 | Cyclone Nisha | Tamil Nadu | निशा चक्रवात | तमिलनाडु |
| 10 | 2008 | Kosi Floods | North Bihar | कोसी की बाढ़ | उत्तरी बिहार |
| 11 | 2009 | Floods | Andhra Pradesh, Karnataka | बाढ़ | आंध्र प्रदेश, कर्नाटक |
| 12 | 2009 | Drought | 252 Districts in 10 States | सूखा | 10 राज्यों में 252 जिले |
| 13 | 2010 | Cloudburst | Leh, Ladakh in Jammu & Kashmir | बादल फटना | जम्मू एवं कश्मीर में लेह, लद्दाख |
| 14 | 2011 | Earthquake | North Eastern India with epicenter near Nepal Border and Sikkim | भूकंप | नेपाल सीमा एवं सिक्किम के निकट अधिकेंद्र के साथ उत्तर पूर्वी भारत |
| 15 | 2011 | Floods | 19 Districts of Odisha | बाढ़ | ओडिशा के 19 जिले |
| 16 | 2011 | Earthquake | Sikkim, West Bengal, Bihar | भूकंप | सिक्किम, पश्चिम बंगाल, बिहार |
| 17 | 2011 | Cyclone Thane | Tamil Nadu, Puducherry | थाणे चक्रवात | तमिलनाडु, पुद्दुचेरी |
| 18 | 2012 | Floods | Assam | बाढ़ | असम |
| 19 | 2012 | Floods | Uttarkashi, Rudraprayag and Bageshwar Districts of Uttarakhand | बाढ़ | उत्तराखंड के उत्तरकाशी, रूद्रप्रयाग एवं बागेश्वर जिले |
| 20 | 2012 | Cyclone Nilam | Tamil Nadu | नीलम चक्रवात | तमिलनाडु |

**Statement 4.04: Major natural disasters in India**

**विवरण 4.04 : भारत में प्रमुख प्राकृतिक आपदाएं**

| Sl. No. क्र. सं. | Year वर्ष | Type | Affected Population Location/Area | प्रकार | प्रभावित आबादी अवस्थिति/क्षेत्र |
|---|---|---|---|---|---|
| 21 | 2013 | Cyclone Mahasen | Tamil Nadu | महसैन चक्रवात | तमिलनाडु |
| 22 | 2013 | Floods/Landslides | Uttarakhand and Himachal Pradesh | बाढ़/भूस्खलन | उत्तराखंड एवं हिमाचल प्रदेश |
| 23 | 2013 | Cyclone Phailin | Odisha and Andhra Pradesh | फाईलीन चक्रवात | ओडिशा एवं आंध्र प्रदेश |
| 24 | 2013 | Floods | Andhra Pradesh | बाढ़ | आंध्र प्रदेश |
| 25 | 2013 | Floods | Odisha | बाढ़ | ओडिशा |
| 26 | 2014 | Cyclone Hud Hud | Andhra Pradesh & Odisha | हुदहुद चक्रवात | आंध्र प्रदेश एवं ओडिशा |
| 27 | 2014 | Floods | Jammu & Kashmir | बाढ़ | जम्मू एवं कश्मीर |
| 28 | 2015 | Cyclonic Storms | West Bengal | चक्रवाती तूफान | पश्चिम बंगाल |
| 29 | 2015 | Floods and Heavy Rains | Tamil Nadu | बाढ़ एवं भारी वर्षा | तमिलनाडु |
| 30 | 2015 | Floods and Heavy Rains | Rajasthan | बाढ़ एवं भारी वर्षा | राजस्थान |
| 31 | 2015 | Floods and Heavy Rains | Andhra Pradesh | बाढ़ एवं भारी वर्षा | आंध्र प्रदेश |
| 32 | 2015 | Floods and Heavy Rains | Gujarat | बाढ़ एवं भारी वर्षा | गुजरात |
| 33 | 2016 | Cyclonic Storms | Tamil Nadu | चक्रवाती तूफान | तमिलनाडु |
| 34 | 2017 | Lightning | Odisha & Maharashtra | आकाशीय बिजली | ओडिशा और महाराष्ट्र |
| 35 | 2018 | Floods and Heavy Rains | Kerala & Uttar Pradesh | बाढ़ एवं भारी वर्षा | केरल और उत्तर प्रदेश |

*Source: India Meteorological Department, Ministry of Earth Sciences*

*स्रोत:भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय*

## Statement 4.05 : Major earthquakes in India
## विवरण 4.05 : भारत में बड़े भूकंप

| Sl. No. क्र. सं. | Date तिथि | Lattitude अक्षांश (Degree N) (डिग्री उत्तर) | Longitude देशान्तर (Degree E) (डिग्री पूर्व) | Magnitude परिमाण | Region | क्षेत्र |
|---|---|---|---|---|---|---|
| 1 | 16.06.1819 | 24.00 | 70.00 | 8.0 | Kutch | कच्छ |
| 2 | 12.06.1897 | 25.00 | 92.00 | 8.7 | Assam | असम |
| 3 | 04.04.1905 | 32.30 | 76.25 | 8.0 | Kangra | कांगड़ा |
| 4 | 15.01.1934 | 26.60 | 86.80 | 8.3 | India-Nepal Border | भारत-नेपाल सीमा |
| 6 | 26.06.1941 | 12.40 | 92.50 | 8.1 | Andaman Islands | अंडमान द्वीपसमूह |
| 7 | 15.08.1950 | 28.46 | 96.66 | 8.5 | Assam | असम |
| 8 | 06.08.1988 | 25.14 | 95.12 | 5.8 | Burma-India Border | बर्मा-भारत सीमा |
| 9 | 20.08.1988 | 26.78 | 86.61 | 6.5 | Nepal-India Border | नेपाल-भारत सीमा |
| 10 | 19.10.1991 | 30.75 | 78.86 | 6.6 | West UP Hills(Uttarkashi) | पश्चिमी उत्तर प्रदेश की पहाड़ियां (उत्तरकाशी) |
| 11 | 30.09.1993 | 18.07 | 76.00 | 6.3 | Latur, Osmanabad | लातूर, उस्मानाबाद |
| 12 | 22.05.1997 | 23.08 | 80.06 | 6.0 | Jabalpur | जबलपुर |
| 13 | 29.03.1999 | 30.41 | 79.42 | 6.8 | Uttar Pradesh | उत्तर प्रदेश |
| 14 | 26.01.2001 | 23.40 | 70.28 | 7.9 | Gujarat | गुजरात |
| 15 | 08.10.2005 | 34.6 | 37 | 7.6 | Pakistan & Kashmir | पाकिस्तान एवं कश्मीर |
| 16 | 10.08.2009 | 14.1 | 92.8 | 7.7 | Andaman Islands | अंडमान द्वीपसमूह |
| 17 | 18.09.2011 | 27.72 | 88.06 | 6.9 | Gangtok, Sikkim | गंगटोक, सिक्किम |
| 18 | 05.03.2012 | 28.60 | 77.40 | 5.2 | New Delhi | नई दिल्ली |
| 19 | 25.04.2012 | 9.90 | 94.00 | 6.2 | Andaman & Nicobar Islands | अंडमान एवं निकोबार द्वीपसमूह |

## Statement 4.05 : Major earthquakes in India
## विवरण 4.05 : भारत में बड़े भूकंप

| Sl. No. क्र. सं. | Date तिथि | Lattitude अक्षांश (Degree N) (डिग्री उत्तर) | Longitude देशान्तर (Degree E) (डिग्री पूर्व) | Magnitude परिमाण | Region | क्षेत्र |
|---|---|---|---|---|---|---|
| 20 | 21.03.2014 | 7.60 | 94.40 | 6.7 | Andaman & Nicobar Islands | अंडमान एवं निकोबार द्वीपसमूह |
| 21 | 25.04.2015 | 28.14 | 84.70 | 7.8 | Northern India, N-E India | उत्तर भारत, पूर्वोत्तर भारत |
| 22 | 25.04.2015 | 28.19 | 84.86 | 6.6 | Northern India | उत्तर भारत |
| 23 | 26.04.2015 | 27.79 | 85.97 | 6.7 | Northern India, N-E India | उत्तर भारत, पूर्वोत्तर भारत |
| 24 | 12.05.2015 | 27.79 | 85.97 | 6.7 | Northern India, N-E India | उत्तर भारत, पूर्वोत्तर भारत |
| 25 | 28.06.2015 | 26.50 | 90.10 | 5.6 | Dibrugarh, Assam | डिब्रूगढ़, असम |
| 26 | 26.10.2015 | 36.14 | 71.50 | 7.7 | Northern India,Pakistan, Afghanistan | उत्तर भारत, पाकिस्तान, अफगानिस्तान |
| 27 | 03.01.2016 | 24.80 | 93.60 | 6.7 | N-E India | पूर्वोत्तर भारत |
| 28 | 17.11.2017 | 30.10 | 95.10 | 6.4 | China-India(Arunachal Pradesh) Border Region | चीन-भारत (अरुणाचल प्रदेश) सीमा क्षेत्र |
| 29 | 07.01.2018 | 24.70 | 94.70 | 6.0 | Myanmar -India (Manipur) Border Region | म्यांमार -भारत (मणिपुर) सीमा क्षेत्र |

*Source: India Meteorological Department, Ministry of Earth Sciences*
*स्रोत:भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय*

**Statement 4.06 : Deaths due to Heat waves and Cold waves in India**

**विवरण 4.06 : भारत में ऊष्णता लहरों एवं शीत लहरों के कारण मृत्यु**

| Year<br>वर्ष | Heat Wave<br>ऊष्णता लहर | Cold Wave<br>शीत लहर |
|---|---|---|
| 1970-74 | 2029 | 785 |
| 1975-79 | 459 | 235 |
| 1980-84 | 450 | 1083 |
| 1985-89 | 1055 | 1105 |
| 1990-94 | 632 | 522 |
| 1995-99 | 2284 | 585 |
| 2000 | 55 | 368 |
| 2001 | 56 | 490 |
| 2002 | 807 | 107 |
| 2003 | 1539 | 1156 |
| 2004 | 117 | 462 |
| 2005 | 585 | 90 |
| 2006 | 135 | 58 |
| 2007 | 419 | 63 |
| 2008 | 111 | 114 |
| 2009 | 216 | 79 |
| 2010 | 242 | 450 |
| 2011 | 12 | 722 |
| 2012 | 729 | 139 |
| 2013 | 1433 | 271 |
| 2014 | 547 | 58 |
| 2015 | 2081 | 18 |
| 2016 | 137 | 42 |
| 2017 | 375 | 51 |
| 2018 | 16 | 136 |

*Source: India Meteorological Department, Ministry of Earth Sciences*

*स्रोत: भारत मौसम विज्ञान विभाग, पृथ्वी विज्ञान मंत्रालय*

**Statement 4.07 : Year-wise damage due to natural extreme events in India**

**विवरण 4.07 : भारत में प्राकृतिक चरम घटनाओं के कारण वर्षवार क्षति**

| Year<br>वर्ष | Live Lost human (in No)<br>मानव मृत्यु (संख्या) | Cattle Lost (in No)<br>मवेशी मृत्यु (संख्या) | Houses damaged (in No)<br>क्षतिग्रस्त मकान (संख्या) | Cropped areas affecte (in Lakh hectares)<br>प्रभावित शस्य क्षेत्रफल (लाख हेक्टेयर में) |
|---|---|---|---|---|
| 2001-02 | 834 | 21269 | 346878 | 18.72 |
| 2002-03 | 898 | 3729 | 462700 | 21.00 |
| 2003-04 | 1992 | 25393 | 682209 | 31.98 |
| 2004-05 | 1995 | 12389 | 1603300 | 32.53 |
| 2005-06 | 2698 | 110997 | 2120012 | 35.52 |
| 2006-07 | 2402 | 455619 | 1934680 | 70.87 |
| 2007-08 | 3764 | 119218 | 3527041 | 85.13 |
| 2008-09 | 3405 | 53833 | 1646905 | 35.56 |
| 2009-10 | 1677 | 128452 | 1359726 | 47.13 |
| 2010-11 | 2310 | 48778 | 1338619 | 46.25 |
| 2011-12 | 1600 | 9126 | 876168 | 18.87 |
| 2012-13 | 946 | 24293 | 667319 | 14.44 |
| 2013-14 | 5677* | 102998 | 1210227 | 63.75 |
| 2014-15 | 1674 | 92180 | 725390 | 26.85 |
| 2015-16 | 1460 | 59057 | 1313371 | 31.09 |
| 2016-17 (P) | 1487 | 41965 | 546518 | 25.49 |
| 2017-18 (P) | 2057 | 46488 | 915878 | 47.44 |

Source: Annual Reports 2016-17 & 2017-18, Ministry of Home Affairs

स्रोत: वार्षिक रिपोर्ट 2016-17 एवं 2017-18, गृह मंत्रालय

(P) Provisional/अनंतिम as on 31.12.2016 and 31.12.2017

**Statement 4.08 : State-wise damage due to natural extreme events**

**विवरण 4.08 : प्राकृतिक चरम घटनाओं के कारण राज्यवार क्षति**

| S.No. क्र. सं. | State/UT | 2016 -17 | | | | 2017 -18(P) | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of Human lives lost मानव मृत्यु की संख्या | No. of Cattle heads lost पशुओं की मृत्यु की संख्या | No. of Houses damaged खतिग्रस्त मकानों की संख्या | Cropped area affected (lakh hectares) प्रभावित शस्य क्षेत्रफल (लाख हेक्टेयर में) | No. of Human lives lost मानव मृत्यु की संख्या | No. of Cattle heads lost पशुओं की मृत्यु की संख्या | No. of Houses damaged खतिग्रस्त मकानों की संख्या | Cropped area affected (lakh hectares) प्रभावित शस्य क्षेत्रफल (लाख हेक्टेयर में) | |
| 1 | Andhra Pradesh | 19 | - | 3,351 | 0.46 | 31 | 55 | 6557 | 0.45 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 41 | 15,671 | 354 | 0.02 | 48 | 3564 | 1379 | 0.08 | अरुणाचल प्रदेश |
| 3 | Assam | 44 | 3,191 | 66,887 | 2.35 | 160 | 2763 | 111070 | 2.8 | असम |
| 4 | Bihar | 243 | 5,383 | 1,29,922 | 3.72 | 514 | 275 | 118410 | 8.1 | बिहार |
| 5 | Chhattisgarh | 9 | 15 | 694 | 2.98 | 52 | 102 | 909 | 0 | छत्तीसगढ़ |
| 6 | Goa | - | - | 119 | - | 1 | 0 | 61 | 0 | गोवा |
| 7 | Gujarat | 85 | 252 | 128 | - | 229 | 16381 | 42834 | 11.12 | गुजरात |
| 8 | Haryana | 3 | - | 8 | - | - | - | - | - | हरियाणा |
| 9 | Himachal Pradesh | 40 | 136 | 2,283 | 0.20 | 75 | 199 | 2195 | 0.8 | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 3 | - | - | - | 7 | 4 | 90 | - | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 8 | - | 1,483 | - | 12 | 3 | 2668 | - | झारखंड |
| 12 | Karnataka | 48 | 183 | 23,654 | 3.78 | 70 | 745 | 1533 | - | कर्नाटक |
| 13 | Kerala | 48 | 56 | 5,770 | 0.017 | 130 | 77 | 5880 | - | केरल |
| 14 | Madhya Pradesh | 184 | 400 | 80,000 | - | - | - | - | - | मध्य प्रदेश |
| 15 | Maharashtra | 145 | 1,035 | 8,164 | 0.15 | 134 | 164 | - | - | महाराष्ट्र |
| 16 | Manipur | - | - | 49,436 | 0.018 | 16 | 2902 | 17821 | 0.55 | मणिपुर |
| 17 | Meghalaya | 4 | - | - | - | 11 | - | 163 | - | मेघालय |
| 18 | Mizoram | - | - | - | - | 13 | 14 | 3452 | 0.09 | मिजोरम |
| 19 | Nagaland | - | 1,200 | 3,537 | - | 22 | 665 | 7700 | 0.05 | नागालैंड |
| 20 | Odisha | 3 | - | - | - | 8 | 399 | 562 | 0.42 | ओडिशा |
| 21 | Punjab | 12 | - | 98 | 0.005 | 4 | 6 | 34 | - | पंजाब |
| 22 | Rajasthan | 82 | 635 | 15,010 | - | 80 | 5711 | 54776 | 8.34 | राजस्थान |
| 23 | Sikkim | 13 | 2,090 | 361 | 0.018 | 11 | 80 | 810 | 0.01 | सिक्किम |
| 24 | Tamil Nadu | 6 | - | - | - | 48 | 8671 | 13465 | 0.07 | तमिलनाडु |
| 25 | Telangana | 46 | 6,535 | 19,435 | 1.23 | - | - | - | - | तेलंगाना |
| 26 | Tripura | 5 | 1 | 937 | - | 17 | 13 | 3222 | - | त्रिपुरा |
| 27 | Uttar Pradesh | 82 | 287 | 46,793 | 5.97 | 110 | 101 | 21545 | 3.96 | उत्तर प्रदेश |
| 28 | Uttarakhand | 114 | 1,575 | 3,324 | 0.10 | 57 | 737 | 1380 | - | उत्तराखंड |
| 29 | West Bengal | 200 | 3,320 | 84,765 | 4.48 | 197 | 2857 | 497362 | 10.6 | पश्चिम बंगाल |
| 30 | Puducherry | - | - | 5 | - | - | - | - | - | पुद्दुचेरी |
| | **Total** | **1,487** | **41,965** | **5,46,518** | **25.49** | **2,057** | **46,488** | **9,15,878** | **47.440** | **कुल** |

Source: Annual Report - 2016-17 & 2017-18, Ministry of Home Affairs (P): Provisional/अनंतिम

स्रोत: वार्षिक रिपोर्ट 2016-17 एवं 2017-18, गृह मंत्रालय

## Statement 4.09: Number of deaths by type of natural extreme event

## विवरण 4.09 : प्राकृतिक चरम घटना के प्रकार के अनुसार मौतों की संख्या

| Sl.No क्रम संख्या | Causes | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Number of Deaths | % to total deaths | Number of Deaths | % to total deaths | Number of Deaths | % to total deaths | Number of Deaths | % to total deaths | Number of Deaths | % to total deaths | Number of Deaths | % to total deaths | |
| | | मौतों की संख्या | कुल मौतों का प्रतिशत | मौतों की संख्या | कुल मौतों का प्रतिशत | मौतों की संख्या | कुल मौतों का प्रतिशत | मौतों की संख्या | कुल मौतों का प्रतिशत | मौतों की संख्या | कुल मौतों का प्रतिशत | मौतों की संख्या | कुल मौतों का प्रतिशत | कारण |
| 1 | Avalanche | 45 | 0.18 | 60 | 0.25 | 40 | 0.17 | 52 | 0.2 | 23 | 0.1 | 38 | 0.4 | हिमस्खलन |
| 2 | Cyclone/tornado/Tsunami | 106 | 0.42 | 117 | 0.49 | 47 | 0.20 | 52 | 0.2 | 104 | 0.5 | 28 | 0.3 | चक्रवात/टॉरनाडो/सुनामी |
| 3 | Earthquake | 8 | 0.03 | 69 | 0.29 | 3 | 0.01 | 9 | 0.0 | 2 | 0.0 | 92 | 0.9 | भूकंप |
| 4 | Epidemic | 57 | 0.23 | 127 | 0.54 | 80 | 0.35 | 57 | 0.3 | 48 | 0.2 | 218 | 2.1 | महामारी |
| 5 | Exposure to Cold | 937 | 3.74 | 849 | 3.58 | 997 | 4.34 | 946 | 4.2 | 913 | 4.5 | 1149 | 10.9 | शीत लगना |
| 6 | Flood | 965 | 3.85 | 585 | 2.47 | 420 | 1.83 | 700 | 3.1 | 541 | 2.7 | 846 | 8.0 | बाढ़ |
| 7 | Forest Fire | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.0 | 11 | 0.1 | 19 | 0.2 | वनाग्नि |
| 8 | Heat Stroke | 1274 | 5.08 | 793 | 3.35 | 1247 | 5.43 | 1216 | 5.3 | 1248 | 6.2 | 1908 | 18.2 | लू |
| 9 | Landslide | 347 | 1.38 | 302 | 1.27 | 282 | 1.23 | 264 | 1.2 | 499 | 2.5 | 232 | 2.2 | भू:स्खलन |
| 10 | Lightening | 2622 | 10.46 | 2550 | 10.76 | 2263 | 9.86 | 2833 | 12.4 | 2582 | 12.8 | 2641 | 25.1 | बिजली गिरना |
| 11 | Starvation/Thirst | 210 | 0.84 | 136 | 0.57 | 217 | 0.95 | 109 | 0.5 | 50 | 0.2 | 30 | 0.3 | भुखमरी/प्यास |
| 12 | Torrential Rains | 123 | 0.49 | 170 | 0.72 | 203 | 0.88 | 142 | 0.6 | 156 | 0.8 | 195 | 1.9 | मूसलाधार वर्षा |
| 13 | Other Natural Causes | 18372 | 73.29 | 17932 | 75.69 | 17161 | 74.74 | 16379 | 72.0 | 14024 | 69.4 | 3114 | 29.6 | अन्य प्राकृतिक कारण |
| | **Total** | **25066** | **100.0** | **23690** | **100.0** | **22960** | **100.0** | **22759** | **100.0** | **20201** | **100.0** | **10510** | **100.0** | **कुल** |

*Source :Annual Report, NCRB* *स्रोत : वार्षिक रिपोर्ट, एनसीआरबी*

## Statement 4.10: Drought years with percentage of affected area
## विवरण 4.10 : प्रभावित क्षेत्र के प्रतिशत के साथ सूखा वर्ष

| Sl. No.<br>क्र. सं. | Year<br>वर्ष | Moderate drought (%)<br>साधारण सूखा (प्रतिशत) | Severe drought (%)<br>गंभीर सूखा (प्रतिशत) | Total (%)<br>कुल (प्रतिशत) |
|---|---|---|---|---|
| 1 | 1877 | 30.6 | 28.9 | 59.5 |
| 2 | 1891 | 22.4 | 0.3 | 22.7 |
| 3 | 1899 | 44.1 | 24.3 | 68.4 |
| 4 | 1901 | 19.3 | 10.7 | 30.0 |
| 5 | 1904 | 17.5 | 16.9 | 34.4 |
| 6 | 1905 | 25.2 | 12.0 | 37.2 |
| 7 | 1907 | 27.9 | 1.2 | 29.1 |
| 8 | 1911 | 13.0 | 15.4 | 28.4 |
| 9 | 1913 | 24.5 | 0.0 | 24.5 |
| 10 | 1915 | 18.8 | 3.4 | 22.2 |
| 11 | 1918 | 44.3 | 25.7 | 70.0 |
| 12 | 1920 | 35.7 | 2.3 | 38.0 |
| 13 | 1925 | 21.1 | 0.0 | 21.1 |
| 14 | 1939 | 17.8 | 10.7 | 28.5 |
| 15 | 1941 | 35.5 | 0.0 | 35.5 |
| 16 | 1951 | 35.1 | 0.0 | 35.1 |
| 17 | 1965 | 38.3 | 0.0 | 38.3 |
| 18 | 1966 | 35.4 | 0.0 | 35.4 |
| 19 | 1968 | 22.0 | 0.0 | 21.9 |
| 20 | 1972 | 36.6 | 3.8 | 40.4 |
| 21 | 1974 | 27.1 | 6.9 | 34.0 |
| 22 | 1979 | 33.0 | 1.8 | 34.8 |
| 23 | 1982 | 29.1 | 0.0 | 29.1 |
| 24 | 1985 | 25.6 | 16.7 | 42.3 |
| 25 | 1987 | 29.8 | 17.9 | 47.7 |
| 26 | 2002 | 19.0 | 10.0 | 29.0 |
| 27 | 2009 | 32.5 | 13.5 | 46.0 |

Note: Data pertaining to drought has not been updated as IMD does not declare drought now.

Source: India Meteorological Department ; Disaster Management in India-2011, Ministry of Home Affairs

स्रोत: भारत मौसम विज्ञान विभाग; भारत में आपदा प्रबंधन-2011, गृह मंत्रालय

**Statement 4.11 : State-wise, year-wise number of drought affected districts**

**विवरण 4.11 : सूखा प्रभावित जिलों की राज्यवार, वर्षवार संख्या**

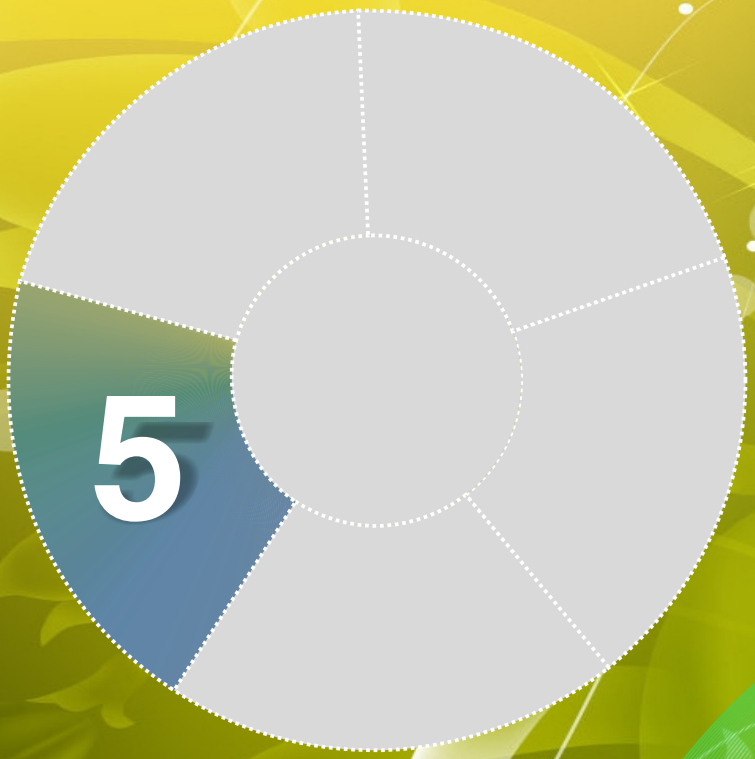
| Sl.No. क्र. सं. | State | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 13 | 4 | | | 13 | | 13 | 6 | 3 | 6 | 10 | 7 | 4 | आंध्र प्रदेश |
| 2 | Assam | | 20 | | | 27 | | | | | | | | | असम |
| 3 | Bihar | | | | | 26 | 38 | | | 33 | | | | | बिहार |
| 4 | Chhattisgarh | | | | | | | | | | | 25 | | 20 | छत्तीसगढ़ |
| 5 | Gujarat | | | | | | | | 16 | | | 6 | | | गुजरात |
| 6 | Haryana | | | | | | | | | | 21 | | | | हरियाणा |
| 7 | Himachal Pradesh | 12 | | | | 12 | | | | | | | | | हिमाचल प्रदेश |
| 8 | Jammu & Kashmir | | | | | 18 | | | | | | | | | जम्मू एवं कश्मीर |
| 9 | Jharkhand | 22 | | | | 24 | 24 | | | | | 22 | | | झारखंड |
| 10 | Karnataka | | 23 | | 21 | 20 | | 24 | 26 | 22 | 9 | 24 | | | कर्नाटक |
| 11 | Kerala | | | | | 14 | | | 14 | | | | 14 | | केरल |
| 12 | Madhya Pradesh | | 10 | 38 | | 37 | | | | | | 43 | | 18 | मध्य प्रदेश |
| 13 | Maharahtra | | | | | 28 | | 15 | 17 | | 26 | 28 | | | महाराष्ट्र |
| 14 | Manipur | | | | | 9 | | | | | | | | | मणिपुर |
| 15 | Nagaland | | | | | 11 | | | | | | | | | नागालैंड |
| 16 | Odisha | | | | | 17 | 16 | | | | | 25 | | | ओडिशा |
| 17 | Punjab | | | | | | | | | | | | | | पंजाब |
| 18 | Rajasthan | 22 | 22 | | 12 | 26 | | | 12 | 29 | | 23 | 13 | 13 | राजस्थान |
| 19 | Tamil Nadu | | | | | | | | 31 | | | | | | तमिलनाडु |
| 20 | Telangana | | | | | | | | | | | 7 | | | तेलंगाना |
| 21 | Uttar Pradesh | | | 9 | | 56 | | | | | 43 | 49 | | | उत्तर प्रदेश |
| 22 | Uttarakhand | 11 | | 9 | 11 | | | | | | | 8 | | | उत्तराखंड |
| 23 | West Bengal | | 6 | | | | 11 | | | | | | | | पश्चिम बंगाल |
| 24 | Puducherry | | | | | | | | | | | | 2 | | पुद्दुचेरी |
| **Total** | | **80** | **85** | **56** | **44** | **338** | **89** | **52** | **122** | **87** | **105** | **270** | **36** | **55** | **कुल** |

Source: Farmers' Portal, Ministry of Agriculture and Farmers Welfare (as retrieved on 15.03.2018)

स्रोत: कृषक पोर्टल, कृषि एवं किसान कल्याण मंत्रालय (15.03.2018 को पुन: यथाप्राप्त)

Note : 1. Blank Cells indicate nil.

2. No updated information hence avaialbale.




# Human Settlements and Environmental Health
# मानव बस्तियां तथा पर्यावरण स्वास्थ्य

## Statement 5.01: Houses, Households and Population in India

## विवरण 5.01 : भारत में मकान, परिवार और आबादी

| Sl. No. क्र. सं. | Year वर्ष | Total Population कुल जनसंख्या | No. of Households परिवारों की संख्या | No. of Houses मकानों की संख्या | Av. Size of Households परिवारों का औसत आकार | Av. No of Household Per House प्रति मकान परिवार की औसत संख्या | Av. No. of Persons Per House प्रति मकान व्यक्तियों की औसत संख्या | Total Houseless Population बेघर परिवारों की कुल जनसंख्या |
|---|---|---|---|---|---|---|---|---|
| 1 | **1981*** | | | | | | | |
| | Total | 66,52,87,849 | 11,97,72,545 | 12,17,82,109 | 5.6 | 1.0 | 5.5 | 2342954 |
| | Urban | 15,76,80,171 | 2,89,05,949 | 2,98,97,491 | 5.5 | 1.0 | 5.3 | 618843 |
| | Rural | 50,76,07,678 | 9,08,66,596 | 9,18,84,618 | 5.6 | 1.0 | 5.5 | 1724111 |
| 2 | **1991+** | | | | | | | |
| | Total | 83,85,83,988 | 15,20,09,467 | 19,50,24,357 | 5.5 | 1.0 | 5.3 | 2007489 |
| | Urban | 21,57,71,612 | 4,04,18,141 | 5,20,37,905 | 5.3 | 0.9 | 5.0 | 725592 |
| | Rural | 62,28,12,376 | 11,15,91,326 | 14,29,86,452 | 5.6 | 1.0 | 5.4 | 1281897 |
| 3 | **2001#** | | | | | | | |
| | Total | 1,02,87,37,436 | 19,35,79,954 | 24,90,95,869 | 5.3 | 1.0 | 5.1 | 1943766 |
| | Urban | 28,61,19,689 | 5,58,32,570 | 7,15,58,356 | 5.1 | 1.0 | 4.9 | 778599 |
| | Rural | 74,26,17,747 | 13,77,47,384 | 17,75,37,513 | 5.4 | 1.0 | 5.1 | 1165167 |
| 4 | **2011** | | | | | | | |
| | Total | 1,21,08,54,977 | 24,95,01,663 | 33,08,35,767 | 4.9 | 0.7 | 3.7 | 1773040 |
| | Urban | 37,71,06,125 | 8,08,88,766 | 11,01,39,853 | 4.7 | 0.8 | 3.4 | 938348 |
| | Rural | 83,37,48,852 | 16,86,12,897 | 22,06,95,914 | 4.9 | 0.8 | 3.8 | 834692 |

*Source : Office of Registrar General of India*

** : Excluding Assam + : Excluding J & K*

*#: The population figure exclude population of the area under unlawful occupation of Pakistan & China where Census could not be taken.*

## Statement 5.02: State-wise Area and Population of Rural and Urban Areas
## विवरण 5.02 : ग्रामीण एवं शहरी क्षेत्रों का राज्यवार क्षेत्रफल एवं जनसंख्या

| State/ UT | 2001 | | | | | | 2011 | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Population जनसंख्या | | Area (sq km) क्षेत्रफल (वर्ग कि.मी.) | | Population per sq. km. जनसंख्या प्रति वर्ग कि.मी | | Population जनसंख्या | | Area (sq km) क्षेत्रफल (वर्ग कि.मी.) | | Population per sq. km. जनसंख्या प्रति वर्ग कि.मी | | |
| | Rural | Urban | Rural | Urban | Rural | Urban | Rural | Urban | Rural | Urban | Rural | Urban | |
| | ग्रामीण | शहरी | ग्रामीण | शहरी | ग्रामीण | शहरी | ग्रामीण | शहरी | ग्रामीण | शहरी | ग्रामीण | शहरी | |
| Andhra Pradesh | 55401067 | 20808940 | 270297.50 | 4747.50 | 205 | 4383 | 5,63,61,702 | 2,82,19,075 | 267190.50 | 7854.50 | 211 | 3,593 | आंध्र प्रदेश |
| Arunachal Pradesh | 870087 | 227881 | NA | NA | NA | NA | 10,66,358 | 3,17,369 | NA | NA | NA | NA | अरुणाचल प्रदेश |
| Assam | 23216288 | 3439240 | 77476.23 | 961.77 | 300 | 3576 | 2,68,07,034 | 43,98,542 | 77178.12 | 1259.88 | 347 | 3,491 | असम |
| Bihar | 74316709 | 8681800 | 92358.40 | 1804.60 | 805 | 4811 | 9,23,41,436 | 1,17,58,016 | 91838.28 | 2324.72 | 1,005 | 5,058 | बिहार |
| Chhattisgarh | 16648056 | 4185747 | 133325.25 | 1865.75 | 125 | 2243 | 1,96,07,961 | 59,37,237 | 131940.34 | 3251.66 | 149 | 1,826 | छत्तीसगढ़ |
| Delhi | 944727 | 12905780 | 558.32 | 924.68 | 1692 | 13957 | 4,19,042 | 1,63,68,899 | 326.44 | 1156.56 | 1,284 | 14,153 | दिल्ली |
| Goa | 677091 | 670577 | 3190.33 | 511.67 | 212 | 1311 | 5,51,731 | 9,06,814 | 2937.21 | 764.79 | 188 | 1,186 | गोवा |
| Gujarat | 31740767 | 18930250 | 190796.50 | 5227.50 | 166 | 3621 | 3,46,94,609 | 2,57,45,083 | 188838.60 | 7405.40 | 184 | 3,477 | गुजरात |
| Haryana | 15029260 | 6115304 | 42931.63 | 1280.37 | 350 | 4776 | 1,65,09,359 | 88,42,103 | 42235.92 | 1976.08 | 391 | 4,475 | हरियाणा |
| Himachal Pradesh | 5482319 | 595581 | 55431.29 | 241.71 | 99 | 2464 | 61,76,050 | 6,88,552 | 55402.18 | 270.82 | 111 | 2,542 | हिमाचल प्रदेश |
| Jammu & Kashmir | 7627062 | 2516638 | 221272.69 | 963.31 | 76 | 2612 | 91,08,060 | 34,33,242 | 220990.10 | 1245.90 | 91 | 2,755 | जम्मू एवं कश्मीर |
| Jharkhand | 20952088 | 5993741 | 77921.57 | 1792.43 | 269 | 3344 | 2,50,55,073 | 79,33,061 | 77292.06 | 2423.94 | 324 | 3,273 | झारखंड |
| Karnataka | 34889033 | 17961529 | 186590.02 | 5200.98 | 187 | 3453 | 3,74,69,335 | 2,36,25,962 | 185776.57 | 6014.43 | 202 | 3,928 | कर्नाटक |
| Kerala | 23574449 | 8266925 | 35611.14 | 3251.86 | 662 | 2542 | 1,74,71,135 | 1,59,34,926 | 31253.20 | 7598.80 | 559 | 2,097 | केरल |
| Madhya Pradesh | 44380878 | 15967145 | 301283.24 | 6961.76 | 147 | 2294 | 5,25,57,404 | 2,00,69,405 | 300505.59 | 7746.41 | 175 | 2,591 | मध्य प्रदेश |
| Maharashtra | 55777647 | 41100980 | 300357.20 | 7355.80 | 186 | 5588 | 6,15,56,074 | 5,08,18,259 | 298619.45 | 9093.55 | 206 | 5,588 | महाराष्ट्र |
| Manipur | 1717928 | 575968 | 22176.81 | 150.19 | 77 | 3835 | 20,21,640 | 8,34,154 | 22147.50 | 179.50 | 91 | 4,647 | मणिपुर |
| Meghalaya | 1864711 | 454111 | 22199.28 | 229.72 | 84 | 1977 | 23,71,439 | 5,95,450 | 22146.11 | 282.89 | 107 | 2,105 | मेघालय |
| Mizoram | 447567 | 441006 | 20494.08 | 586.92 | 22 | 751 | 5,25,435 | 5,71,771 | 20494.00 | 587.00 | 26 | 974 | मिजोरम |
| Nagaland | 1647249 | 342787 | 16431.76 | 147.24 | 100 | 2328 | 14,07,536 | 5,70,966 | 16335.52 | 243.48 | 86 | 2,345 | नागालैंड |
| Odisha | 31287422 | 5517238 | 152912.87 | 2794.13 | 205 | 1975 | 3,49,70,562 | 70,03,656 | 152355.34 | 3351.66 | 230 | 2,090 | ओडिशा |
| Punjab | 16096488 | 8262511 | 48265.38 | 2096.62 | 334 | 3941 | 1,73,44,192 | 1,03,99,146 | 47847.40 | 2514.60 | 362 | 4,136 | पंजाब |
| Rajasthan | 43292813 | 13214375 | 336807.81 | 5431.19 | 129 | 2433 | 5,15,00,352 | 1,70,48,085 | 335606.04 | 6632.96 | 153 | 2,570 | राजस्थान |
| Sikkim | 480981 | 59870 | NA | NA | NA | NA | 4,56,999 | 1,53,578 | 7057.75 | 38.25 | 65 | 4,015 | सिक्किम |
| Tamil Nadu | 34921681 | 27483998 | 117532.75 | 12525.25 | 297 | 2194 | 3,72,29,590 | 3,49,17,440 | 116424.47 | 13635.53 | 320 | 2,561 | तमिलनाडु |
| Tripura | 2653453 | 545750 | 10345.60 | 140.40 | 256 | 3887 | 27,12,464 | 9,61,453 | 10094.12 | 391.88 | 269 | 2,453 | त्रिपुरा |
| Uttar Pradesh | 131658339 | 34539582 | 234369.81 | 6558.19 | 562 | 5267 | 15,53,17,278 | 4,44,95,063 | 233365.71 | 7562.29 | 666 | 5,884 | उत्तर प्रदेश |
| Uttarakhand | 6310275 | 2179074 | 52686.23 | 796.77 | 120 | 2735 | 70,36,954 | 30,49,338 | 52581.08 | 901.92 | 134 | 3,381 | उत्तराखंड |
| West Bengal | 57748946 | 22427251 | 85427.26 | 3324.74 | 676 | 6746 | 6,21,83,113 | 2,90,93,002 | 83626.43 | 5125.57 | 744 | 5,676 | पश्चिम बंगाल |

**Statement 5.02: State-wise Area and Population of Rural and Urban Areas**
**विवरण 5.02 : ग्रामीण एवं शहरी क्षेत्रों का राज्यवार क्षेत्रफल एवं जनसंख्या**

| State/ UT | 2001 | | | | | | 2011 | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Population जनसंख्या | | Area (sq km) क्षेत्रफल (वर्ग कि.मी.) | | Population per sq. km. जनसंख्या प्रति वर्ग कि.मी | | Population जनसंख्या | | Area (sq km) क्षेत्रफल (वर्ग कि.मी.) | | Population per sq. km. जनसंख्या प्रति वर्ग कि.मी | | |
| | Rural | Urban | Rural | Urban | Rural | Urban | Rural | Urban | Rural | Urban | Rural | Urban | |
| | ग्रामीण | शहरी | ग्रामीण | शहरी | ग्रामीण | शहरी | ग्रामीण | शहरी | ग्रामीण | शहरी | ग्रामीण | शहरी | |
| Andaman And Nicobar Island | 239954 | 116198 | 8222.66 | 26.34 | 29 | 4411 | 2,37,093 | 1,43,488 | 8211.08 | 37.92 | 29 | 3,784 | अंडमान एवं निकोबार द्वीपसमूह |
| Chandigarh | 92120 | 808515 | 34.66 | 79.34 | 2658 | 10191 | 28,991 | 10,26,459 | 4.47 | 109.53 | 6,486 | 9,371 | चंडीगढ़ |
| Dadra & Nagar Haveli | 170027 | 50463 | 473.83 | 17.17 | 359 | 2939 | 1,83,114 | 1,60,595 | 445.30 | 45.70 | 411 | 3,514 | दादरा एवं नगर हवेली |
| Daman & Diu | 100856 | 57348 | 88.64 | 23.36 | 1138 | 2455 | 60,396 | 1,82,851 | 62.48 | 48.52 | 967 | 3,769 | दमन एवं दीव |
| Lakshadweep | 33683 | 26967 | 21.41 | 10.59 | 1573 | 2546 | 14,141 | 50,332 | 9.17 | 20.83 | 1,542 | 2,416 | लक्षद्वीप |
| Puducherry | 325726 | 648619 | 345.59 | 133.41 | 943 | 4862 | 3,95,200 | 8,52,753 | 335.44 | 154.56 | 1,178 | 5,517 | पुद्दुचेरी |
| **India*** | **742617747** | **286119689** | **$ 3118237.74** | **$ 78163.26*** | **247** | **3657** | **83,37,48,852** | **37,71,06,125** | **31,01,474** | **1,02,252** | **279** | **3,685** | **भारत*** |

Source: Census 2001 and 2011, Registrar General of India
स्रोत : जनगणना 2001 और 2011, भारत का महापंजीयक

*The population figures exclude population of the area under unlawful occupation of Pakistan and China where Census could not be taken.
Area figures include the area under unlawful occupation of Pakistan and China. The area includes 78,114 Sq.km under illegal occupation of Pakistan, 5180 Sq.km illegally handed over
$Rural and urban area of Arunachal Pradesh excluded due to non availability. The total area of India represents 'Geographical Area' supplied by Survey of India.
The State area figures are provided by Survey of India. Density has been worked out on comparable data.
Density for rural portion of Jammu & Kashmir has been worked out after excluding the entire area of the illegal occupied portion of Pakistan and China as its rural-urban breakup is not available.
Rural and Urban population of Arunachal Pradesh has also been excluded as Rural and urban area figures are not available.
NA: Not available

## Statement 5.03: State-wise percentage of population below the poverty line -Rural, Urban & Combined

## विवरण 5.03 : गरीबी रेखा से नीचे की आबादी का राज्यवार प्रतिशत – ग्रामीण, शहरी एवं सम्मिलित

( % of Population जनसंख्या का प्रतिशत)

| Sl. No. | States/ Union Territories | 1993-94 | | | 2004-05 | | | 2011-12 | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rural ग्रामीण | Urban शहरी | Combined संयुक्त | Rural ग्रामीण | Urban शहरी | Combined संयुक्त | Rural ग्रामीण | Urban शहरी | Combined संयुक्त | |
| 1 | Andhra Pradesh | 48.10 | 35.20 | 44.60 | 32.30 | 23.40 | 29.90 | 10.96 | 5.81 | 9.20 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 60.00 | 22.60 | 54.50 | 33.60 | 23.50 | 31.10 | 38.93 | 20.33 | 34.67 | अरुणाचल प्रदेश |
| 3 | Assam | 54.90 | 27.70 | 51.80 | 36.40 | 21.80 | 34.40 | 33.89 | 20.49 | 31.98 | असम |
| 4 | Bihar | 62.30 | 44.70 | 60.50 | 55.70 | 43.70 | 54.40 | 34.06 | 31.23 | 33.74 | बिहार |
| 5 | Chhattisgarh | 55.90 | 28.10 | 50.90 | 55.10 | 28.40 | 49.40 | 44.61 | 24.75 | 39.93 | छत्तीसगढ़ |
| 6 | Delhi | 16.20 | 15.70 | 15.70 | 15.60 | 12.90 | 13.10 | 12.92 | 9.84 | 9.91 | दिल्ली |
| 7 | Goa | 25.50 | 14.60 | 20.80 | 28.10 | 22.20 | 25.00 | 6.81 | 4.09 | 5.09 | गोवा |
| 8 | Gujarat | 43.10 | 28.00 | 37.80 | 39.10 | 20.10 | 31.80 | 21.54 | 10.14 | 16.63 | गुजरात |
| 9 | Haryana | 40.00 | 24.20 | 35.90 | 24.80 | 22.40 | 24.10 | 11.64 | 10.28 | 11.16 | हरियाणा |
| 10 | Himachal Pradesh | 36.70 | 13.60 | 34.60 | 25.00 | 4.60 | 22.90 | 8.48 | 4.33 | 8.06 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 32.50 | 6.90 | 26.30 | 14.10 | 10.40 | 13.20 | 11.54 | 7.20 | 10.35 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 65.90 | 41.80 | 60.70 | 51.60 | 23.80 | 45.30 | 40.84 | 24.83 | 36.96 | झारखंड |
| 13 | Karnataka | 56.60 | 34.20 | 49.50 | 37.50 | 25.90 | 33.40 | 24.53 | 15.25 | 20.91 | कर्नाटक |
| 14 | Kerala | 33.90 | 23.90 | 31.30 | 20.20 | 18.40 | 19.70 | 9.14 | 4.97 | 7.05 | केरल |
| 15 | Madhya Pradesh | 49.00 | 31.80 | 44.60 | 53.60 | 35.10 | 48.60 | 35.74 | 21.00 | 31.65 | मध्य प्रदेश |
| 16 | Maharashtra | 59.30 | 30.30 | 47.80 | 47.90 | 25.60 | 38.10 | 24.22 | 9.12 | 17.35 | महाराष्ट्र |
| 17 | Manipur | 64.40 | 67.20 | 65.10 | 39.30 | 34.50 | 38.00 | 38.80 | 32.59 | 36.89 | मणिपुर |
| 18 | Meghalaya | 38.00 | 23.00 | 35.20 | 14.00 | 24.70 | 16.10 | 12.53 | 9.26 | 11.87 | मेघालय |
| 19 | Mizoram | 16.60 | 6.30 | 11.80 | 23.00 | 7.90 | 15.30 | 35.43 | 6.36 | 20.40 | मिजोरम |
| 20 | Nagaland | 20.10 | 21.80 | 20.40 | 10.00 | 4.30 | 9.00 | 19.93 | 16.48 | 18.88 | नागालैंड |
| 21 | Odisha | 63.00 | 34.50 | 59.10 | 60.80 | 37.60 | 57.20 | 35.69 | 17.29 | 32.59 | ओडिशा |
| 22 | Punjab | 20.30 | 27.20 | 22.40 | 22.10 | 18.70 | 20.90 | 7.66 | 9.24 | 8.26 | पंजाब |
| 23 | Rajasthan | 40.80 | 29.90 | 38.30 | 35.80 | 29.70 | 34.40 | 16.05 | 10.69 | 14.71 | राजस्थान |
| 24 | Sikkim | 33.00 | 20.40 | 31.80 | 31.80 | 25.90 | 31.10 | 9.85 | 3.66 | 8.19 | सिक्किम |
| 25 | Tamil Nadu | 51.00 | 33.70 | 44.60 | 37.50 | 19.70 | 28.90 | 15.83 | 6.54 | 11.28 | तमिलनाडु |
| 26 | Tripura | 34.20 | 25.40 | 32.90 | 44.50 | 22.50 | 40.60 | 16.53 | 7.42 | 14.05 | त्रिपुरा |
| 27 | Uttar Pradesh | 50.90 | 38.30 | 48.40 | 42.70 | 34.10 | 40.90 | 30.40 | 26.06 | 29.43 | उत्तर प्रदेश |
| 28 | Uttarakhand | 36.70 | 18.70 | 32.00 | 35.10 | 26.50 | 32.73 | 11.62 | 10.48 | 11.26 | उत्तराखंड |
| 29 | West Bengal | 42.50 | 31.20 | 39.40 | 38.20 | 24.40 | 34.30 | 22.52 | 14.66 | 19.98 | पश्चिम बंगाल |
| 30 | Andaman And Nicobar Islands | NA | NA | NA | NA | NA | NA | 1.57 | 0.00 | 1.00 | अंडमान एवं निकोबार द्वीपसमूह |
| 31 | Chandigarh | NA | NA | NA | NA | NA | NA | 1.64 | 22.31 | 21.81 | चंडीगढ़ |
| 32 | Dadar & Nagar Haveli | NA | NA | NA | NA | NA | NA | 62.59 | 15.38 | 39.31 | दादरा एवं नगर हवेली |
| 33 | Daman & Diu | NA | NA | NA | NA | NA | NA | 0.00 | 12.62 | 9.86 | दमन एवं दीव |
| 34 | Lakshadweep | NA | NA | NA | NA | NA | NA | 0.00 | 3.44 | 2.77 | लक्षद्वीप |
| 35 | Puducherry | 28.10 | 32.40 | 30.90 | 22.90 | 9.90 | 14.10 | 17.06 | 6.30 | 6.69 | पुद्दुचेरी |
| **All India** | | **50.10** | **31.8** | **45.30** | **41.80** | **25.70** | **37.20** | **25.70** | **13.70** | **21.92** | अखिल भारत |

Source : NITI Aayog

स्रोत : नीति आयोग

Note: 1. Population as on 1st March 2012 has been used for estimating number of persons below poverty line. (2011 Census population extrapolated)

2. Poverty line of Tamil Nadu is used for Andaman and Nicobar Island.
3. Urban poverty line of Punjab is used for both rural and urban areas of Chandigarh.
4. Poverty line of Maharasthra is used for Dadra & Nagar Haveli.
5. Poverty line of Goa is used for Daman & Diu
6. Poverty line of Kerala is used for Lakshadweep.

## Statement 5.04 : Distribution of households by major source of drinking water

## विवरण 5.04 : पेयजल के प्रमुख स्रोत के अनुसार परिवारों का वितरण

| S. No. क्र. सं. | Area | | Rural/ ग्रामीण | | | | | | Urban/ शहरी | | | | | | क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Year | | 1998-99 (NFHS 2) (एनएफएचसी 2) | 2002 (NSS 58th Round) (एनएसएस 58वां चक्र) | 2005-06 (NFHS 3) (एनएफएचसी 3) | 2008-09 (NSS 65th Round) (एनएसएस 65वां चक्र) | 2012 (NSS 69th Round) (एनएसएस 69वां चक्र) | 2015-16 (NFHS 4) (एनएफएचसी 4) | 1998-99 (NFHS 2) (एनएफएचसी 2) | 2002 (NSS 58th Round) (एनएसएस 58वां चक्र) | 2005-06 (NFHS 3) (एनएफएचसी 3) | 2008-09 (NSS 65th Round) (एनएसएस 65वां चक्र) | 2012 (NSS 69th Round) (एनएसएस 69वां चक्र) | 2015-16 (NFHS 4) (एनएफएचसी 4) | वर्ष |
| | Major Source of Drinking Water | | | | | | | | | | | | | | पेयजल के मुख्य स्रोत |
| 1 | Bottled Water | | | | 0.1 | 0.5 | 1.6 | 2.1 | | | 0.9 | 2.7 | 5.2 | 5.1 | बोतलबंद पानी |
| 2 | Piped water / Tap/ Public Tap/ Standpipe | | 25.0 | 27.5 | 27.9 | 30.1 | 31.2 | 33.7 | 74.5 | 73.6 | 71.0 | 74.3 | 69.1 | 69.0 | नल पानी / टोंटी / सार्वजनिक टोंटी / स्टैंडपाइप |
| 3 | Tube well/ Hand pump | | 47.3 | 51.3 | 53.2 | 54.7 | 52.4 | 50.9 | 18.1 | 19.6 | 21.3 | 17.5 | 19.9 | 17.4 | ट्यूबवेल / हैंडपंप |
| 4 | Well | Protected | 23.5 | 17.9 | 2.8 | 5.5 | 2.7 | 3.6 | 6.0 | 5.1 | 1.8 | 2.1 | 1.1 | 3.7 | कुआँ संरक्षित |
| | | Unprotected | | | 12.4 | 6.3 | 9.0 | 6.0 | | | 2.9 | 1.2 | 2.2 | 1.0 | असंरक्षित |
| 5 | Rain water (Harvested or Improved) | | | | 0.2 | 0.1 | 0.2 | 0.2 | | | 0.0 | 0.0 | 0.0 | 0.1 | वर्षा जल (संचित या संशोधित) |
| 6 | Surface Water (River/ Canal/ Lake/ Tank/ Pond) | | 3.5 | 2.3 | 2.1 | 1.8 | 1.1 | 0.8 | 0.4 | 0.3 | 0.8 | 0.3 | 0.1 | 0.4 | भूपृष्ठ जल (नदी / नहर / झील / टैंक / तालाब) |
| 7 | Spring | | | 0.8 | 1.1 | 0.7 | 0.7 | 1.0 | | 0.1 | 0.2 | 0.1 | 0.0 | 0.3 | झरना |
| 8 | Other source | | 0.7 | 0.3 | 0.1 | 0.3 | 1.1 | 2.7* | 1.0 | 1.3 | 1.1 | 1.9 | 2.4 | 3.0* | अन्य स्रोत |

*Source: National Sample Survey (NSS) reports and National Family Health Survey (NFHS) reports*

*स्रोत : राष्ट्रीय प्रतिदर्श सर्वेक्षण (एनएसएस) की रिपोर्टें तथा राष्ट्रीय परिवार स्वास्थ्य सर्वेक्षण (एनएफएचएस) की रिपोर्टें*

*Note: * In NFHS 4, Other source includes 0.5% and & 0.7% Improved source of drinking water from Coumunity RO Plant in Rural and Urban Areas respectively*

## Statement 5.05 (a): State-wise distribution of households by major source of drinking water

## विवरण 5.05 (क) : पेयजल के प्रमुख स्रोत के अनुसार परिवारों का राज्यवार वितरण

Year/वर्ष 2011

| Sl. No. क्र. सं. | State/ Union Territory | Distribution of households by major source of drinking water facility (%) पेयजल के प्रमुख स्रोत के अनुसार परिवारों का वितरण (प्रतिशत) | | | | | | | | | Availability of Drinking Water Source पेयजल स्रोत की उपलब्धता | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Tap water टोंटी जल | | Well कूप | | Handpump हैंडपंप | Tubewell ट्यूबवेल | Spring, River Canal झरना, नदी, नहर | Tank, Pond, Lake टैंक, तालाब, झील | Any other source कोई अन्य स्रोत | Within the premises परिसर के अंदर | Near the premises परिसर के निकट | Away दूर | |
| | | From treated source शोधित स्रोत से | From un-treated source अशोधित स्रोत से | Covered well आवृत कुआँ | Un-covered well अनावृत कुआँ | | | | | | | | | |
| 1 | Andhra Pradesh | 49.0 | 20.9 | 0.5 | 5.9 | 13.7 | 6.9 | 0.8 | 0.3 | 2.1 | 43.2 | 37.3 | 19.5 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 26.4 | 39.1 | 1.4 | 4.3 | 10.7 | 2.4 | 11.7 | 0.9 | 3.2 | 41.1 | 37.4 | 21.6 | अरुणाचल प्रदेश |
| 3 | Assam | 9.2 | 1.3 | 1.7 | 17.2 | 50.2 | 9.2 | 4.7 | 4.6 | 2.0 | 54.8 | 26.7 | 18.5 | असम |
| 4 | Bihar | 3.1 | 1.3 | 0.7 | 3.7 | 86.6 | 3.0 | 0.2 | 0.1 | 1.4 | 50.1 | 37.9 | 12.0 | बिहार |
| 5 | Chhattisgarh | 12.3 | 8.4 | 0.8 | 10.6 | 58.4 | 7.2 | 1.6 | 0.2 | 0.5 | 19.0 | 54.5 | 26.5 | छत्तीसगढ़ |
| 6 | Delhi # | 75.2 | 6.1 | 0.1 | 0.0 | 5.3 | 8.4 | 0.0 | 1.2 | 3.6 | 78.4 | 15.4 | 6.2 | दिल्ली# |
| 7 | Goa | 82.1 | 3.4 | 4.0 | 7.1 | 0.1 | 0.3 | 1.5 | 0.4 | 1.3 | 79.7 | 15.5 | 4.8 | गोवा |
| 8 | Gujarat | 39.9 | 29.2 | 2.3 | 4.8 | 11.6 | 9.6 | 0.4 | 0.2 | 2.0 | 64.0 | 23.5 | 12.4 | गुजरात |
| 9 | Haryana | 55.9 | 12.9 | 0.7 | 2.3 | 12.0 | 12.9 | 0.3 | 0.9 | 1.9 | 66.5 | 21.4 | 12.1 | हरियाणा |
| 10 | Himachal Pradesh | 83.9 | 5.6 | 1.6 | 1.3 | 3.6 | 0.7 | 1.0 | 0.5 | 1.9 | 55.5 | 35.0 | 9.5 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 34.7 | 29.2 | 1.9 | 4.7 | 11.4 | 1.5 | 12.9 | 0.7 | 3.1 | 48.2 | 28.7 | 23.1 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 10.0 | 2.9 | 1.9 | 34.6 | 43.8 | 3.5 | 2.4 | 0.2 | 0.8 | 23.2 | 44.9 | 31.9 | झारखंड |
| 13 | Karnataka | 41.2 | 24.8 | 1.0 | 8.0 | 5.5 | 16.0 | 1.1 | 1.0 | 1.4 | 44.5 | 37.3 | 18.2 | कर्नाटक |
| 14 | Kerala | 23.4 | 6.0 | 14.6 | 47.4 | 0.5 | 3.7 | 1.6 | 0.7 | 2.1 | 77.7 | 14.1 | 8.2 | केरल |
| 15 | Madhya Pradesh | 16.4 | 6.9 | 1.1 | 18.9 | 47.1 | 7.6 | 1.0 | 0.4 | 0.6 | 23.9 | 45.6 | 30.5 | मध्य प्रदेश |
| 16 | Maharashtra | 56.3 | 11.6 | 2.2 | 12.2 | 9.9 | 5.7 | 0.8 | 0.4 | 1.0 | 59.4 | 27.6 | 13.1 | महाराष्ट्र |
| 17 | Manipur | 24.7 | 14.1 | 2.7 | 4.9 | 5.9 | 0.3 | 21.3 | 22.8 | 3.1 | 15.5 | 47.3 | 37.2 | मणिपुर |
| 18 | Meghalaya | 27.8 | 11.5 | 6.9 | 18.5 | 2.8 | 2.6 | 21.6 | 5.7 | 2.6 | 24.1 | 43.2 | 32.7 | मेघालय |
| 19 | Mizoram | 39.4 | 19.3 | 2.0 | 2.7 | 0.8 | 0.9 | 26.1 | 1.8 | 6.9 | 31.2 | 46.7 | 22.2 | मिजोरम |
| 20 | Nagaland | 6.1 | 41.1 | 6.6 | 19.1 | 2.2 | 4.5 | 7.6 | 10.3 | 2.7 | 29.3 | 42.4 | 28.3 | नागालैंड |

## Statement 5.05 (a): State-wise distribution of households by major source of drinking water

## विवरण 5.05 (क) : पेयजल के प्रमुख स्रोत के अनुसार परिवारों का राज्यवार वितरण

Year/वर्ष 2011

| Sl. No. क्र. सं. | State/ Union Territory | Distribution of households by major source of drinking water facility (%) पेयजल के प्रमुख स्रोत के अनुसार परिवारों का वितरण (प्रतिशत) | | | | | | | | | Availability of Drinking Water Source पेयजल स्रोत की उपलब्धता | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Tap water टोंटी जल | | Well कूप | | Handpump हैंडपंप | Tubewell ट्यूबवेल | Spring, River Canal झरना, नदी, नहर | Tank, Pond, Lake टैंक, तालाब, झील | Any other source कोई अन्य स्रोत | Within the premises परिसर के अंदर | Near the premises परिसर के निकट | Away दूर | |
| | | From treated source शोधित स्रोत से | From un-treated source अशोधित स्रोत से | Covered well आवृत कुआँ | Un-covered well अनावृत कुआँ | | | | | | | | | |
| 21 | Odisha | 10.0 | 3.9 | 2.2 | 17.3 | 41.5 | 20.0 | 3.5 | 0.9 | 0.8 | 22.4 | 42.2 | 35.4 | ओडिशा |
| 22 | Punjab | 41.1 | 9.9 | 0.2 | 0.2 | 24.7 | 21.9 | 0.2 | 0.1 | 1.7 | 85.9 | 10.0 | 4.1 | पंजाब |
| 23 | Rajasthan | 32.0 | 8.5 | 1.2 | 9.6 | 25.3 | 12.2 | 0.9 | 5.9 | 4.3 | 35.0 | 39.0 | 25.9 | राजस्थान |
| 24 | Sikkim | 29.2 | 56.1 | 0.5 | 0.2 | 0.0 | 0.0 | 11.5 | 0.6 | 2.0 | 52.6 | 29.7 | 17.7 | सिक्किम |
| 25 | Tamil Nadu | 55.8 | 24.0 | 1.2 | 3.8 | 4.6 | 8.2 | 0.4 | 0.5 | 1.5 | 34.9 | 58.1 | 7.0 | तमिलनाडु |
| 26 | Tripura | 20.3 | 12.9 | 2.9 | 24.5 | 18.1 | 16.3 | 3.7 | 0.5 | 0.9 | 37.1 | 30.5 | 32.4 | त्रिपुरा |
| 27 | Uttar Pradesh | 20.2 | 7.1 | 0.6 | 3.4 | 64.9 | 2.9 | 0.1 | 0.1 | 0.7 | 51.9 | 36.0 | 12.1 | उत्तर प्रदेश |
| 28 | Uttarakhand | 53.9 | 14.3 | 0.7 | 0.4 | 22.0 | 2.0 | 2.0 | 0.7 | 4.0 | 58.3 | 26.6 | 15.2 | उत्तराखंड |
| 29 | West Bengal | 21.0 | 4.4 | 0.7 | 5.4 | 50.1 | 16.7 | 0.8 | 0.2 | 0.8 | 38.6 | 34.7 | 26.6 | पश्चिम बंगाल |
| 30 | Andaman And Nicobar Islands | 68.9 | 16.2 | 0.7 | 6.6 | 0.0 | 0.5 | 3.8 | 1.5 | 1.9 | 60.6 | 27.0 | 12.4 | अंडमान एवं निकोबार द्वीपसमह |
| 31 | Chandigarh # | 93.7 | 3.0 | 0.1 | 0.0 | 1.8 | 0.9 | 0.0 | 0.1 | 0.5 | 86.2 | 11.7 | 2.2 | चंडीगढ़# |
| 32 | Dadra & Nagar Haveli # | 26.0 | 20.5 | 1.5 | 5.7 | 24.5 | 20.6 | 0.9 | 0.0 | 0.4 | 52.6 | 36.4 | 11.0 | दादरा एवं नगर हवेली# |
| 33 | Daman & Diu # | 54.6 | 20.6 | 0.5 | 0.2 | 5.5 | 18.1 | 0.0 | 0.0 | 0.5 | 76.4 | 22.1 | 1.5 | दमन एवं दीव# |
| 34 | Lakshadweep # | 9.1 | 11.1 | 6.9 | 64.9 | 2.5 | 0.1 | 0.0 | 0.4 | 5.1 | 83.7 | 14.3 | 2.0 | लक्षद्वीप# |
| 35 | Puducherry # | 90.8 | 4.5 | 0.1 | 1.8 | 1.2 | 1.4 | 0.0 | 0.0 | 0.3 | 77.4 | 21.5 | 1.1 | पुद्दुचेरी# |
| | **INDIA** | **32.0** | **11.6** | **1.6** | **9.4** | **33.5** | **8.5** | **1.1** | **0.8** | **1.5** | **46.6** | **35.8** | **17.6** | **भारत** |

Note: # Total being no. of Households (Excluding institutional households)

Source: Census 2011, Registrar General of India स्रोत : जनगणना 2011, भारत का महापंजीयक

## Statement 5.05 (b) : Percentage distribution of Households by source of drinking water

## विवरण 5.05 (ख) : पेयजल के प्रमुख स्रोत के अनुसार परिवारों का प्रतिशत वितरण

| Sl.No. क्र. सं. | Sates | Source of Drinking water | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Urban | | | Rural | | | Total | | | |
| | | Improved Source* | Unimproved source# | Other Source | Improved Source* | Unimproved source# | Other Source | Improved Source* | Unimproved source# | Other Source | |
| 1 | Andhra Pradesh | 70.7 | 29.1 | 0.2 | 73.6 | 26.3 | 0.1 | 72.7 | 27.2 | 0.1 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 94.7 | 5.2 | 0.1 | 85.0 | 14.9 | 0.1 | 87.5 | 12.4 | 0.1 | अरुणाचल प्रदेश |
| 3 | Assam | 89.0 | 10.9 | 0.1 | 82.8 | 17.1 | 0.1 | 83.8 | 16.1 | 0.1 | असम |
| 4 | Bihar | 97.8 | 1.9 | 0.3 | 98.2 | 1.7 | 0.1 | 98.2 | 1.7 | 0.1 | बिहार |
| 5 | Chhattisgarh | 97.3 | 2.6 | 0.1 | 89.2 | 10.8 | 0.0 | 91.1 | 8.8 | 0.0 | छत्तीसगढ़ |
| 6 | Goa | 97.7 | 2.3 | 0.0 | 93.7 | 6.2 | 0.1 | 96.3 | 3.7 | 0.0 | गोवा |
| 7 | Gujarat | 92.7 | 7.1 | 0.2 | 89.3 | 10.3 | 0.3 | 90.9 | 8.8 | 0.3 | गुजरात |
| 8 | Haryana | 88.0 | 11.8 | 0.2 | 94.3 | 5.1 | 0.7 | 91.6 | 7.9 | 0.5 | हरियाणा |
| 9 | Himachal Pradesh | 94.4 | 4.0 | 1.6 | 94.9 | 3.9 | 1.1 | 94.9 | 3.9 | 1.2 | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 97.9 | 2.1 | 0.0 | 85.0 | 14.9 | 0.0 | 89.2 | 10.8 | 0.0 | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 88.6 | 11.3 | 0.1 | 74.0 | 25.8 | 0.2 | 77.7 | 22.0 | 0.2 | झारखंड |
| 12 | Karnataka | 89.8 | 10.1 | 0.1 | 88.9 | 11.0 | 0.1 | 89.3 | 10.6 | 0.1 | कर्नाटक |
| 13 | Kerala | 95.7 | 4.2 | 0.1 | 93.0 | 7.0 | 0.1 | 94.3 | 5.7 | 0.1 | केरल |
| 14 | Madhya Pradesh | 96.8 | 3.1 | 0.1 | 79.5 | 20.4 | 0.2 | 84.7 | 15.1 | 0.1 | मध्य प्रदेश |
| 15 | Maharashtra | 97.7 | 2.1 | 0.3 | 85.5 | 14.3 | 0.2 | 91.5 | 8.3 | 0.2 | महाराष्ट्र |
| 16 | Manipur | 47.1 | 52.5 | 0.4 | 38.0 | 61.7 | 0.3 | 41.6 | 58.1 | 0.3 | मणिपुर |
| 17 | Meghalaya | 85.2 | 12.9 | 1.9 | 62.9 | 36.3 | 0.8 | 67.9 | 31.1 | 1.0 | मेघालय |
| 18 | Mizoram | 94.1 | 5.6 | 0.2 | 87.8 | 12.1 | 0.1 | 91.5 | 8.3 | 0.2 | मिजोरम |
| 19 | Nagaland | 79.9 | 19.5 | 0.6 | 80.9 | 18.8 | 0.3 | 80.6 | 19.0 | 0.4 | नागालैंड |
| 20 | Odisha | 95.2 | 4.6 | 0.2 | 87.5 | 12.3 | 0.1 | 88.8 | 11.0 | 0.2 | ओडिशा |

**Statement 5.05 (b) : Percentage distribution of Households by source of drinking water**

**विवरण 5.05 (ख) : पेयजल के प्रमुख स्रोत के अनुसार परिवारों का प्रतिशत वितरण**

| Sl.No. क्र. सं. | Sates | Source of Drinking water | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Urban | | | Rural | | | Total | | | |
| | | Improved Source* | Unimproved source# | Other Source | Improved Source* | Unimproved source# | Other Source | Improved Source* | Unimproved source# | Other Source | |
| 21 | Punjab | 99.3 | 0.6 | 0.1 | 99.0 | 0.8 | 0.1 | 99.1 | 0.8 | 0.1 | पंजाब |
| 22 | Rajasthan | 91.7 | 8.1 | 0.2 | 83.3 | 16.5 | 0.1 | 85.5 | 14.4 | 0.1 | राजस्थान |
| 23 | Sikkim | 99.3 | 0.7 | 0.0 | 96.8 | 3.2 | 0.0 | 97.6 | 2.4 | 0.0 | सिक्किम |
| 24 | Tamil Nadu | 86.9 | 12.7 | 0.4 | 94.5 | 5.4 | 0.1 | 90.6 | 9.1 | 0.3 | तमिलनाडु |
| 25 | Telangana | 80.1 | 19.8 | 0.1 | 75.6 | 24.3 | 0.1 | 77.6 | 22.3 | 0.1 | तेलंगाना |
| 26 | Tripura | 97.7 | 1.9 | 0.3 | 82.8 | 16.9 | 0.3 | 87.3 | 12.4 | 0.3 | त्रिपुरा |
| 27 | Uttar Pradesh | 92.6 | 7.2 | 0.2 | 97.8 | 2.2 | 0.0 | 96.4 | 3.5 | 0.1 | उत्तर प्रदेश |
| 28 | Uttarakhand | 98.9 | 1.1 | 0.0 | 89.5 | 10.3 | 0.2 | 92.9 | 7.0 | 0.1 | उत्तराखंड |
| 29 | West Bengal | 93.5 | 6.3 | 0.2 | 95.1 | 4.8 | 0.1 | 94.6 | 5.3 | 0.1 | पश्चिम बंगाल |
| **All India** | | **91.1** | **8.7** | **0.2** | **89.3** | **10.6** | **0.1** | **89.9** | **9.9** | **0.2** | **अखिल भारत** |

Source National Family Health Survey (NFHS-4) 2015-16

Note :

*** : Improved Source** : Piped into dwelling/yard/plot, Public tap/standpipe,Tube well or borehole, Protected dug well, Protected spring, Rainwater, Community RO Plant

**# : Unimproved source :** Unprotected dug well, Unprotected spring, Tanker truck/cart with small tank, Surfact water,Bottled water

**Statement 5.06 (a): Distribution of Households with access to sanitation**

**विवरण 5.06 (क) : स्वच्छता की सुविधाओं तक पहुंच वाले परिवारों का वितरण**

| Year | Total number of Households<br>परिवारों की कुल संख्या | Toilet Installation शौचालय संस्थापन | | वर्ष |
|---|---|---|---|---|
| | | With Toilet of Any Type*<br>किसी प्रकार के शौचालय के साथ* | Without Toilet of Any Type*<br>किसी प्रकार के शौचालय के बगैर* | |
| **1981** | | | | **1981** |
| Total | 11,86,14,803 | | | कुल |
| Urban | 2,85,41,877 | 1,65,96,103 | 1,19,45,774 | शहरी |
| | | (58.15) | (41.85) | |
| Rural | 9,00,72,926 | | | ग्रामीण |
| **1991** | | | | **1991** |
| Total | 15,11,11,383 | 3,58,19,780 | 11,52,91,603 | कुल |
| | | (23.7) | (76.3) | |
| Urban | 3,95,23,184 | 2,52,36,449 | 1,42,86,735 | शहरी |
| | | (63.85) | (36.15) | |
| Rural | 11,15,88,199 | 1,05,83,331 | 10,10,04,868 | ग्रामीण |
| | | (9.48) | (90.52) | |
| **2001** | | | | **2001** |
| Total | 19,19,63,935 | 6,98,85,799 | 12,20,78,136 | कुल |
| | | (36.41) | (63.59) | |
| Urban | 5,36,92,376 | 3,95,81,440 | 1,41,10,936 | शहरी |
| | | (73.72) | (26.28) | |
| Rural | 13,82,71,559 | 3,03,04,359 | 10,79,67,200 | ग्रामीण |
| | | (21.92) | (21.92) | |
| **2011** | | | | **2011** |
| Total | 24,67,40,228 | 11,57,37,458 | 13,10,02,770 | कुल |
| | | (46.91) | (53.09) | |
| Urban | 78865937 | 6,41,62,119 | 1,47,03,818 | शहरी |
| | | (81.36) | (18.64) | |
| Rural | 167874291 | 5,15,75,339 | 11,62,98,952 | ग्रामीण |
| | | (30.72) | (69.28) | |

*Source : Office of the Registrar General of India* *स्रोत : भारत के महापंजीयक का कार्यालय*

** Within the Premises* *Note: Figures in brackets are percentages*

**Statement 5.06 (b) : Percentage distribution of Households by sanitation facilities**

**विवरण 5.06 (ख) : स्वच्छता की सुविधाओं तक पहूंच वाले परिवारों का प्रतिशत वितरण**

| Sl.No. क्र. सं. | States | Sanitation facility स्वच्छता की सुविधा | | | | | | | | | | | | राज्य |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Urban शहरी | | | | Rural ग्रामीण | | | | Total कुल | | | | |
| | | Improved, not shared facility^ बेहतर सुविधा नहीं | Shared facility^^ साझा सुविधा | Unimproved$ असंशोधित सुविधा | No facility/ uses open space/ field कोई सुविधा नही/खुले स्थान/क्षेत्र का उपयोग | Improved, not shared facility^ बेहतर सुविधा नहीं | Shared facility^^ साझा सुविधा | Unimproved$ असंशोधित सुविधा | No facility/ uses open space/ field कोई सुविधा नही/खुले स्थान/क्षेत्र का उपयोग | Improved, not shared facility^ बेहतर सुविधा नहीं | Shared facility^^ साझा सुविधा | Unimproved$ असंशोधित सुविधा | No facility/ uses open space/ field कोई सुविधा नही/खुले स्थान/क्षेत्र का उपयोग | |
| 1 | Andhra Pradesh | 77.4 | 7.9 | 3.7 | 11.0 | 43.1 | 5.3 | 0.7 | 50.9 | 53.6 | 6.1 | 1.5 | 38.7 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 73.3 | 18.1 | 7.8 | 0.9 | 57.1 | 7.5 | 23.2 | 12.2 | 61.3 | 10.2 | 19.2 | 9.2 | अरुणाचल प्रदेश |
| 3 | Assam | 62.1 | 28.5 | 8.3 | 1.0 | 45.1 | 10.9 | 31.2 | 12.9 | 47.7 | 13.6 | 27.5 | 11.1 | असम |
| 4 | Bihar | 54.9 | 19.8 | 3.5 | 21.9 | 20.7 | 4.5 | 1.6 | 73.2 | 25.2 | 6.5 | 1.8 | 66.5 | बिहार |
| 5 | Chhattisgarh | 64.4 | 15.7 | 2.4 | 17.6 | 22.6 | 5.1 | 0.5 | 71.8 | 32.7 | 7.7 | 1.0 | 58.7 | छत्तीसगढ़ |
| 6 | Goa | 76.8 | 10.1 | 4.0 | 9.1 | 80.8 | 4.6 | 0.5 | 14.1 | 78.2 | 8.1 | 2.7 | 10.9 | गोवा |
| 7 | Gujarat | 85.3 | 7.6 | 1.3 | 5.9 | 47.0 | 3.1 | 1.9 | 48.1 | 64.3 | 5.1 | 1.6 | 29.0 | गुजरात |
| 8 | Haryana | 81.7 | 14.1 | 0.7 | 3.6 | 77.4 | 5.4 | 2.3 | 14.9 | 79.2 | 9.0 | 1.6 | 10.2 | हरियाणा |
| 9 | Himachal Pradesh | 79.1 | 15.8 | 1.1 | 4.0 | 69.6 | 12.8 | 2.0 | 15.6 | 70.7 | 13.1 | 1.9 | 14.3 | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 66.2 | 9.1 | 21.3 | 3.4 | 45.9 | 5.6 | 19.5 | 29.0 | 52.5 | 6.7 | 20.1 | 20.7 | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 59.0 | 13.9 | 1.1 | 26.0 | 12.4 | 2.1 | 0.3 | 85.2 | 24.4 | 5.1 | 0.5 | 70.0 | झारखंड |
| 12 | Karnataka | 77.3 | 5.2 | 6.3 | 11.1 | 42.6 | 1.7 | 3.6 | 52.1 | 57.8 | 3.2 | 4.8 | 34.2 | कर्नाटक |
| 13 | Kerala | 98.7 | 0.7 | 0.4 | 0.2 | 97.5 | 1.1 | 0.3 | 1.2 | 98.1 | 0.9 | 0.2 | 0.8 | केरल |
| 14 | Madhya Pradesh | 66.6 | 14.6 | 2.6 | 16.2 | 19.4 | 3.8 | 1.8 | 75.0 | 33.7 | 7.1 | 2.0 | 57.2 | मध्य प्रदेश |
| 15 | Maharashtra | 59.8 | 23.6 | 6.5 | 10.1 | 44.2 | 6.2 | 2.8 | 46.8 | 51.9 | 14.8 | 4.6 | 28.8 | महाराष्ट्र |
| 16 | Manipur | 47.8 | 41.9 | 9.8 | 0.5 | 51.3 | 27.3 | 19.7 | 1.7 | 49.9 | 33.1 | 15.7 | 1.3 | मणिपुर |
| 17 | Meghalaya | 67.9 | 26.7 | 4.9 | 0.5 | 58.1 | 4.9 | 27.4 | 9.6 | 60.3 | 9.7 | 22.4 | 7.6 | मेघालय |
| 18 | Mizoram | 90.9 | 7.4 | 1.8 | 0.0 | 73.1 | 4.6 | 20.2 | 2.1 | 83.4 | 6.2 | 9.4 | 0.9 | मिजोरम |
| 19 | Nagaland | 68.2 | 28.6 | 2.9 | 0.3 | 79.0 | 10.1 | 8.5 | 2.4 | 75.2 | 16.6 | 6.5 | 1.7 | नागालैंड |
| 20 | Odisha | 61.0 | 9.6 | 1.1 | 28.3 | 23.0 | 3.3 | 1.4 | 72.4 | 29.4 | 4.3 | 1.3 | 65.0 | ओडिशा |
| 21 | Punjab | 85.0 | 11.3 | 1.6 | 2.0 | 79.1 | 7.7 | 2.5 | 10.6 | 81.5 | 9.2 | 2.2 | 7.1 | पंजाब |
| 22 | Rajasthan | 72.5 | 12.8 | 3.7 | 11.0 | 35.6 | 4.1 | 2.4 | 57.9 | 45.0 | 6.3 | 2.7 | 46.0 | राजस्थान |
| 23 | Sikkim | 76.0 | 23.1 | 0.8 | 0.1 | 94.2 | 4.4 | 1.0 | 0.4 | 88.2 | 10.6 | 0.9 | 0.3 | सिक्किम |
| 24 | Tamil Nadu | 69.7 | 9.9 | 3.9 | 16.5 | 34.0 | 2.6 | 2.3 | 61.1 | 52.2 | 6.3 | 3.2 | 38.3 | तमिलनाड़ |
| 25 | Telangana | 64.4 | 13.1 | 15.6 | 6.9 | 38.9 | 8.2 | 1.9 | 51.0 | 50.2 | 10.4 | 8.0 | 31.4 | तेलंगाना |
| 26 | Tripura | 65.1 | 31.1 | 3.4 | 0.4 | 59.6 | 21.0 | 16.6 | 2.8 | 61.3 | 24.0 | 12.6 | 2.1 | त्रिपुरा |
| 27 | Uttar Pradesh | 68.3 | 18.8 | 2.8 | 10.0 | 23.1 | 5.8 | 1.1 | 69.9 | 35.0 | 9.3 | 1.5 | 54.2 | उत्तर प्रदेश |
| 28 | Uttarakhand | 73.3 | 21.7 | 2.4 | 2.6 | 59.6 | 13.1 | 2.0 | 25.2 | 64.5 | 16.2 | 2.2 | 17.1 | उत्तराखंड |
| 29 | West Bengal | 62.0 | 25.1 | 3.5 | 9.4 | 45.5 | 17.7 | 4.1 | 32.7 | 50.9 | 20.1 | 3.9 | 25.1 | पश्चिम बंगाल |
| | **All India** | **70.3** | **14.9** | **4.2** | **10.5** | **36.7** | **6.0** | **3.2** | **54.1** | **48.4** | **9.1** | **3.5** | **38.9** | अखिल भारत |

Source National Family Health Survey (NFHS-4) 2015-16

Note:

^ :Improved, not shared facility : Flush/pour flush to piped sewer system, Flush/pour flush to septic tank, Flush/pour flush to pit latrine, Ventilated improved pit (VIP) latrine/biogas latrine,Pit latrine with slab,

^^ : Shared facility : Flush/pour flush to piped sewer system, Flush/pour flush to septic tank, Flush/pour flush to pit latrine, Ventilated improved pit (VIP) latrine/biogas latrine,Pit latrine with slab, Twin pit,

$ : Unimproved : Flush/pour flush not to sewer/septic tank/pit latrine, Pit latrine without slab/open pit, Dry toilet, Other,

## Statement 5.07: State-wise Number of Towns/ Cities Reporting Slums and percentage of Slum Population

## विवरण 5.07 : गंदी बस्तियों की सूचना देने वाले कस्बों/शहरों की राज्यवार संख्या तथा गंदी बस्तियों में रहने वाली आबादी का प्रतिशत

(Year वर्ष 2011)

| Sl. No क्र. सं. | States/ UTs | Number of Towns नगरों की संख्या | | Type wise slum population प्रकारवार गंदी बस्तियों में रहने वाली आबादी | | | | % of slum population to total urban population कुल शहरी आबादी की तुलना में गंदी बस्तियों में रहने वाली आबादी का प्रतिशत | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|
| | | Statutory towns सांविधिक नगर | Slum reported towns गंदी बस्तियां जिनको नगर सूचित किया गया | Notified slums अधिसूचित गंदी बस्तियां | Recognised slums मान्यता प्राप्त गंदी बस्तियां | Identified slums अभिचिन्हित गंदी बस्तियां | Total Population कुल जनसंख्या | | |
| 1 | Andhra Pradesh | 125 | 125 | 8338154 | 877172 | 971608 | 10186934 | 36.10 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 26 | 5 | 0 | 0 | 15562 | 15562 | 4.90 | अरुणाचल प्रदेश |
| 3 | Assam | 88 | 31 | 9163 | 70979 | 117124 | 197266 | 4.48 | असम |
| 4 | Bihar | 139 | 88 | 0 | 0 | 1237682 | 1237682 | 10.53 | बिहार |
| 5 | Chhattisgarh | 168 | 94 | 713654 | 764851 | 420426 | 1898931 | 31.98 | छत्तीसगढ़ |
| 6 | Delhi | 3 | 22 | 738915 | 0 | 1046475 | 1785390 | 10.91 | दिल्ली |
| 7 | Goa | 14 | 3 | 6107 | 0 | 20140 | 26247 | 2.89 | गोवा |
| 8 | Gujarat | 195 | 103 | 0 | 0 | 1680095 | 1680095 | 6.53 | गुजरात |
| 9 | Haryana | 80 | 75 | 14912 | 0 | 1647393 | 1662305 | 18.80 | हरियाणा |
| 10 | Himachal Pradesh | 56 | 22 | 60201 | 0 | 1111 | 61312 | 8.90 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 86 | 40 | 162909 | 136649 | 362504 | 662062 | 19.28 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 40 | 31 | 64399 | 59432 | 249168 | 372999 | 4.70 | झारखंड |
| 13 | Karnataka | 220 | 206 | 2271990 | 445899 | 573545 | 3291434 | 13.93 | कर्नाटक |
| 14 | Kerala | 59 | 19 | 186835 | 8215 | 6998 | 202048 | 1.27 | केरल |
| 15 | Madhya Pradesh | 364 | 303 | 1900942 | 2530637 | 1257414 | 5688993 | 28.35 | मध्य प्रदेश |
| 16 | Maharashtra | 256 | 189 | 3709309 | 3485783 | 4653331 | 11848423 | 23.32 | महाराष्ट्र |
| 17 | Manipur | 28 | 0 | 0 | 0 | 0 | 0 | 0.00 | मणिपुर |
| 18 | Meghalaya | 10 | 6 | 34699 | 8006 | 14713 | 57418 | 9.64 | मेघालय |

## Statement 5.07: State-wise Number of Towns/ Cities Reporting Slums and percentage of Slum Population

## विवरण 5.07 : गंदी बस्तियों की सूचना देने वाले कस्बों/शहरों की राज्यवार संख्या तथा गंदी बस्तियों में रहने वाली आबादी का प्रतिशत

(Year वर्ष 2011)

| Sl. No क्र. सं. | States/ UTs | Number of Towns नगरों की संख्या | | Type wise slum population प्रकारवार गंदी बस्तियों में रहने वाली आबादी | | | | % of slum population to total urban population कुल शहरी आबादी की तुलना में गंदी बस्तियों में रहने वाली आबादी का प्रतिशत | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|
| | | Statutory towns सांविधिक नगर | Slum reported towns गंदी बस्तियां जिनको नगर सूचित किया गया | Notified slums अधिसूचित गंदी बस्तियां | Recognised slums मान्यता प्राप्त गंदी बस्तियां | Identified slums अभिचिन्हित गंदी बस्तियां | Total Population कुल जनसंख्या | | |
| 19 | Mizoram | 23 | 1 | 0 | 78561 | 0 | 78561 | 13.74 | मिजोरम |
| 20 | Nagaland | 19 | 11 | 0 | 48249 | 34075 | 82324 | 14.42 | नागालैंड |
| 21 | Odisha | 107 | 76 | 0 | 812737 | 747566 | 1560303 | 22.28 | ओडिशा |
| 22 | Punjab | 143 | 73 | 787696 | 193305 | 479517 | 1460518 | 14.04 | पंजाब |
| 23 | Rajasthan | 185 | 107 | 0 | 0 | 2068000 | 2068000 | 12.13 | राजस्थान |
| 24 | Sikkim | 8 | 7 | 31378 | 0 | 0 | 31378 | 20.43 | सिक्किम |
| 25 | Tamil Nadu | 721 | 507 | 2541345 | 1978441 | 1278673 | 5798459 | 16.61 | तमिलनाडु |
| 26 | Tripura | 16 | 15 | 0 | 124036 | 15744 | 139780 | 14.54 | त्रिपुरा |
| 27 | Uttar Pradesh | 648 | 293 | 562548 | 4678326 | 999091 | 6239965 | 14.02 | उत्तर प्रदेश |
| 28 | Uttarakhand | 74 | 31 | 185832 | 52278 | 249631 | 487741 | 15.99 | उत्तराखंड |
| 29 | West Bengal | 129 | 122 | 48918 | 3703852 | 2665824 | 6418594 | 22.06 | पश्चिम बंगाल |
| 30 | A&N Islands | 1 | 1 | 0 | 0 | 14172 | 14172 | 9.88 | अंडमान एवं निकोबार द्वीपसमूह |
| 31 | Chandigarh | 1 | 1 | 95135 | 0 | 0 | 95135 | 9.27 | चंडीगढ़ |
| 32 | Dadar & Nagar Haveli | 1 | 0 | 0 | 0 | 0 | 0 | 0.00 | दादरा एवं नगर हवेली |
| 33 | Daman & Diu | 2 | 0 | 0 | 0 | 0 | 0 | 0.00 | दमन एवं दीव |
| 34 | Lakshadweep | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | लक्षद्वीप |
| 35 | Puducherry | 6 | 6 | 70092 | 73928 | 553 | 144573 | 16.95 | पुद्दुचेरी |
| | **India** | **4041** | **2613** | **22535133** | **20131336** | **22828135** | **65494604** | **17.37** | **भारत** |

*Source: Registrar General of India, Census of India 2011* *स्रोत : भारत का महापंजीयक, भारत की जनगणना 2011*

*Note: Manipur, Daman & Diu, Dadra & Nagar Haveli and Lakshadweep have not reported any slum in 2011 Census.*

## Statement 5.08: Water supply of Class - I Cities and Class - II Towns
## विवरण 5.08 : श्रेणी-I शहरों एवं श्रेणी-II नगरों की जलापूर्ति

| S. No. क्र. सं. | State / UT | Total no. of Class- I cities and Class- II town श्रेणी-I शहरों एवं श्रेणी-II नगरों की कुल संख्या | Total population of Class-I cities and Class-II town श्रेणी-I शहरों एवं श्रेणी-II नगरों की कुल आबादी | Total Water supply (in MLD) कुल जलापूर्ति (एमएलडी में) | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 99 | 2,35,91,660 | 2477.03 | आंध्र प्रदेश |
| 2 | Assam | 13 | 19,91,110 | 503.28 | असम |
| 3 | Bihar | 37 | 68,97,354 | 1396.43 | बिहार |
| 4 | Chhattisgarh | 14 | 30,81,180 | 489.12 | छत्तीसगढ़ |
| 5 | Delhi | 1 | 1,48,58,800 | 4346.00 | दिल्ली |
| 6 | Goa | 3 | 2,95,180 | 29.53 | गोवा |
| 7 | Gujarat | 59 | 1,68,58,830 | 2385.64 | गुजरात |
| 8 | Haryana | 27 | 60,38,150 | 833.07 | हरियाणा |
| 9 | Himachal Pradesh | 1 | 1,63,490 | 36.18 | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 6 | 21,55,050 | 302.26 | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 24 | 57,90,471 | 1135.86 | झारखंड |
| 12 | Karnataka | 59 | 1,69,02,631 | 2529.78 | कर्नाटक |
| 13 | Kerala | 34 | 54,65,176 | 883.03 | केरल |
| 14 | Madhya Pradesh | 48 | 1,25,40,050 | 1724.55 | मध्य प्रदेश |
| 15 | Maharashtra | 84 | 4,27,58,250 | 12750.05 | महाराष्ट्र |
| 16 | Manipur | 1 | 2,49,870 | 43.43 | मणिपुर |
| 17 | Meghalaya | 2 | 2,67,780 | 40.12 | मेघालय |
| 18 | Mizoram | 1 | 2,82,550 | 39.56 | मिजोरम |
| 19 | Nagaland | 2 | 2,98,330 | 41.76 | नागालैंड |
| 20 | Odisha | 24 | 42,40,440 | 923.97 | ओडिशा |
| 21 | Punjab | 33 | 74,39,530 | 2033.94 | पंजाब |
| 22 | Rajasthan | 45 | 1,12,10,750 | 1912.72 | राजस्थान |
| 23 | Tamil Nadu | 84 | 2,01,07,890 | 1577.40 | तमिलनाडु |
| 24 | Tripura | 1 | 2,14,327 | 30.00 | त्रिपुरा |
| 25 | Uttar Pradesh | 107 | 2,91,44,800 | 4814.77 | उत्तर प्रदेश |
| 26 | Uttarakhand | 7 | 13,18,840 | 232.55 | उत्तराखंड |
| 27 | West Bengal | 87 | 2,18,22,911 | 3949.09 | पश्चिम बंगाल |
| 28 | Andaman & Nicobar Island | 1 | 1,07,200 | 15.00 | अंडमान एवं निकोबार द्वीपसमूह |
| 29 | Chandigarh | 1 | 9,94,820 | 537.20 | चंडीगढ़ |
| 30 | Puducherry | 3 | 5,83,820 | 80.56 | पुद्दुचेरी |
| **Total** | | **908** | **25,76,71,240** | **48093.88** | **कुल** |

Source: Status of water supply, wastewater generation and treatment in class- I cities & class -II towns of India, Series CUPS/70/2009-10, Central Pollution Control Board

स्रोत : भारत के श्रेणी-I शहरों एवं श्रेणी-II कस्बों में जलापूर्ति, अपशिष्ट जल सृजन एवं शोधन की स्थिति, सिरीज सीयूपीएस/70/2009-10, केंद्रीय प्रदूषण नियंत्रण बोर्ड

MLD: Millions of Liters Per Day

**Statement 5.09: State-Wise slum households by availability of sanitation facilities**

**विवरण 5.09 : स्वच्छता की सुविधाओं की उपलब्धता के अनुसार राज्यवार स्लम परिवार**

(Year वर्ष: 2011)

| Sl.No क्र. सं. | States/Uts | Total number of slum households स्लम परिवारों की कुल संख्या | Number of households having toilet within the premises ऐसे परिवारों की संख्या जिनके परिसर के अंदर शौचालय है | Number of households not having toilet within the premises ऐसे परिवारों की संख्या जिनके परिसर के अंदर शौचालय नहीं है | No toilet within premises Alternative source परिसर के अंदर कोई शौचालय नहीं वैकल्पिक स्रोत | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|
| | | | | | Public latrine सार्वजनिक शौचालय | Open खुले | |
| 1 | Andhra Pradesh | 2421268 | 1993862 | 427406 | 69498 | 357908 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 4005 | 3351 | 654 | 113 | 541 | अरुणाचल प्रदेश |
| 3 | Assam | 48122 | 41593 | 6529 | 1468 | 5061 | असम |
| 4 | Bihar | 194065 | 104494 | 89571 | 7118 | 82453 | बिहार |
| 5 | Chhattisgarh | 395297 | 192393 | 202904 | 38278 | 164626 | छत्तीसगढ़ |
| 6 | Delhi | 383609 | 192171 | 191438 | 143589 | 47849 | दिल्ली |
| 7 | Goa | 4846 | 2953 | 1893 | 1537 | 356 | गोवा |
| 8 | Gujarat | 360291 | 232075 | 128216 | 51636 | 76580 | गुजरात |
| 9 | Haryana | 325997 | 260675 | 65322 | 8878 | 56444 | हरियाणा |
| 10 | Himachal Pradesh | 14240 | 12169 | 2071 | 727 | 1344 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 96990 | 85539 | 11451 | 2630 | 8821 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 79200 | 41731 | 37469 | 4297 | 33172 | झारखंड |
| 13 | Karnataka | 728277 | 461029 | 267248 | 85387 | 181861 | कर्नाटक |
| 14 | Kerala | 54849 | 51123 | 3726 | 1895 | 1831 | केरल |
| 15 | Madhya Pradesh | 1086692 | 683061 | 403631 | 59725 | 343906 | मध्य प्रदेश |
| 16 | Maharashtra | 2449530 | 1019634 | 1429896 | 1191026 | 238870 | महाराष्ट्र |
| 17 | Meghalaya | 10936 | 10141 | 795 | 392 | 403 | मेघालय |
| 18 | Mizoram | 16240 | 16120 | 120 | 41 | 79 | मिजोरम |
| 19 | Nagaland | 15268 | 14240 | 1028 | 830 | 198 | नागालैंड |
| 20 | Odisha | 350306 | 168666 | 181640 | 12315 | 169325 | ओडिशा |
| 21 | Punjab | 296482 | 262906 | 33576 | 2488 | 31088 | पंजाब |
| 22 | Rajasthan | 383134 | 274306 | 108828 | 8219 | 100609 | राजस्थान |
| 23 | Sikkim | 8612 | 7840 | 772 | 544 | 228 | सिक्किम |
| 24 | Tamil Nadu | 1451690 | 885619 | 566071 | 231050 | 335021 | तमिलनाडु |
| 25 | Tripura | 33830 | 32259 | 1571 | 891 | 680 | त्रिपुरा |
| 26 | Uttar Pradesh | 992728 | 769145 | 223583 | 37311 | 186272 | उत्तर प्रदेश |
| 27 | Uttarakhand | 89398 | 81977 | 7421 | 2000 | 5421 | उत्तराखंड |
| 28 | West Bengal | 1393319 | 1149877 | 243442 | 88733 | 154709 | पश्चिम बंगाल |
| 29 | Andaman & Nicobar Islands | 3053 | 2017 | 1036 | 610 | 426 | अंडमान एवं निकोबार द्वीपसमूह |
| 30 | Chandigarh | 22080 | 869 | 21211 | 16921 | 4290 | चंडीगढ़ |
| 31 | Puducherry | 35070 | 22014 | 13056 | 4322 | 8734 | पुद्दुचेरी |
| | **India** | **13749424** | **9075849** | **4673575** | **2074469** | **2599106** | **भारत** |

*Source: Census of India 2011, Slum Houses, Household Amenities and Assets.*

*स्रोत : भारत की जनगणना 2011, स्लम गृह, पारिवारिक सुविधाएं एवं परिसंपतियां*

*Note : This table excludes institutional households.*

## Statement 5.10: State-wise slum households by source and location of drinking water
## विवरण 5.10 : अपशिष्ट जल के निकास के लिए नाली से जुड़ने के प्रकार के अनुसार राज्यवार स्लम परिवार

| Sl. No. क्र. सं. | States/Uts | Number of households (Hhs) by source of drinking water पेयजल के स्रोत के अनुसार परिवारों की संख्या | | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|
| | | Total number of households परिवारों की कुल संख्या | Tap टोंटी | | Hand pump & tube well, borehole हैंडपंप एवं ट्यूबवेल, बोरवेल | Well कुआँ | | All others सभी अन्य | |
| | | | Treated source शोधित स्रोत | Un treated source अशोधित स्रोत | | Covered आवृत | Uncovered अनावृत | | |
| 1 | Andhra Pradesh | 2421268 | 1883817 | 150341 | 261637 | 10417 | 47244 | 67812 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 4005 | 444 | 1494 | 1861 | 12 | 38 | 156 | अरुणाचल प्रदेश |
| 3 | Assam | 48122 | 12410 | 1074 | 25490 | 1521 | 4677 | 2950 | असम |
| 4 | Bihar | 194065 | 22760 | 7509 | 152564 | 1515 | 5252 | 4465 | बिहार |
| 5 | Chhattisgarh | 395297 | 168218 | 72374 | 127204 | 3891 | 19432 | 4178 | छत्तीसगढ़ |
| 6 | Delhi | 383609 | 281081 | 42153 | 44138 | 474 | 247 | 15516 | दिल्ली |
| 7 | Goa | 4846 | 4538 | 189 | 6 | 17 | 18 | 78 | गोवा |
| 8 | Gujarat | 360291 | 261793 | 42761 | 37413 | 1478 | 708 | 16138 | गुजरात |
| 9 | Haryana | 325997 | 208355 | 30227 | 72908 | 1558 | 932 | 12017 | हरियाणा |
| 10 | Himachal Pradesh | 14240 | 13174 | 218 | 503 | 86 | 37 | 222 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 96990 | 61904 | 26350 | 5080 | 567 | 139 | 2950 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 79200 | 17134 | 4631 | 39013 | 2531 | 14319 | 1572 | झारखंड |
| 13 | Karnataka | 728277 | 491339 | 117819 | 75900 | 4903 | 15130 | 23186 | कर्नाटक |
| 14 | Kerala | 54849 | 29185 | 2601 | 1273 | 7742 | 13619 | 429 | केरल |
| 15 | Madhya Pradesh | 1086692 | 525635 | 135668 | 325874 | 12871 | 51128 | 35516 | मध्य प्रदेश |
| 16 | Maharashtra | 2449530 | 2121907 | 90313 | 153705 | 11617 | 22251 | 49737 | महाराष्ट्र |
| 17 | Meghalaya | 10936 | 6717 | 543 | 215 | 637 | 483 | 2341 | मेघालय |
| 18 | Mizoram | 16240 | 9189 | 1707 | 377 | 460 | 289 | 4218 | मिजोरम |
| 19 | Nagaland | 15268 | 626 | 4859 | 2331 | 1383 | 2304 | 3765 | नागालैंड |
| 20 | Odisha | 350306 | 122649 | 19897 | 137272 | 15335 | 46841 | 8312 | ओडिशा |
| 21 | Punjab | 296482 | 179047 | 27849 | 85062 | 377 | 258 | 3889 | पंजाब |
| 22 | Rajasthan | 383134 | 291176 | 26933 | 41139 | 2059 | 2461 | 19366 | राजस्थान |
| 23 | Sikkim | 8612 | 6170 | 1808 | 6 | 24 | - | 604 | सिक्किम |
| 24 | Tamil Nadu | 1451690 | 974400 | 196122 | 193264 | 12137 | 28245 | 47522 | तमिलनाडु |
| 25 | Tripura | 33830 | 16372 | 3555 | 12527 | 203 | 732 | 441 | त्रिपुरा |
| 26 | Uttar Pradesh | 992728 | 383273 | 67573 | 518549 | 3602 | 3772 | 15959 | उत्तर प्रदेश |
| 27 | Uttarakhand | 89398 | 61001 | 4944 | 22357 | 132 | 51 | 913 | उत्तराखंड |
| 28 | West Bengal | 1393319 | 776557 | 103869 | 452838 | 8305 | 28696 | 23054 | पश्चिम बंगाल |
| 29 | Andaman And Nicobar Island | 3053 | 2923 | 16 | 3 | - | 94 | 17 | अंडमान एवं निकोबार दीपसमूह |
| 30 | Chandigarh | 22080 | 16019 | 4544 | 1121 | 81 | 7 | 308 | चंडीगढ़ |
| 31 | Puducherry | 35070 | 31959 | 2487 | 406 | 12 | 136 | 70 | पुदुचेरी |
| | **India** | **13749424** | **8981772** | **1192428** | **2792036** | **105947** | **309540** | **367701** | **भारत** |

Source: Census of India 2011, Slum Houses, Household Amenities and Assets. स्रोत : भारत की जनगणना 2011, स्लम गृह, पारिवारिक सुविधाएं एवं परिसंपत्तियां

Note : This Statement excludes institutional households.

**Statement 5.11 : State-wise Slum households by type of drainage connectivity for waste water outlet**

**विवरण 5.11 : अपशिष्ट जल के निकास के लिए नाली की व्यवस्था के प्रकार के अनुसार राज्यवार स्लम परिवार**

**Year/वर्ष: 2011**

| Sl. No. क्र. सं. | States/UT's | Total number of slum households स्लम परिवारों की कुल संख्या | Waste water outlet connected to अपशिष्ट जल निकास जो | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|
| | | | Closed drainage बंद नाले से जुड़ा है | Open Drainage खुले नाले से जुड़ा है | No Drainage कोई नाला नहीं | |
| 1 | Andhra Pradesh | 2421268 | 1046362 | 1073653 | 301253 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 4005 | 167 | 1342 | 2496 | अरुणाचल प्रदेश |
| 3 | Assam | 48122 | 5816 | 18197 | 24109 | असम |
| 4 | Bihar | 194065 | 37351 | 76664 | 80050 | बिहार |
| 5 | Chhattisgarh | 395297 | 40181 | 224370 | 130746 | छत्तीसगढ़ |
| 6 | Delhi | 383609 | 186803 | 174837 | 21969 | दिल्ली |
| 7 | Goa | 4846 | 2980 | 1155 | 711 | गोवा |
| 8 | Gujarat | 360291 | 182157 | 78861 | 99273 | गुजरात |
| 9 | Haryana | 325997 | 125103 | 169676 | 31218 | हरियाणा |
| 10 | Himachal Pradesh | 14240 | 8249 | 4497 | 1494 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 96990 | 26103 | 52575 | 18312 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 79200 | 11437 | 32909 | 34854 | झारखंड |
| 13 | Karnataka | 728277 | 253874 | 357117 | 117286 | कर्नाटक |
| 14 | Kerala | 54849 | 17411 | 16842 | 20596 | केरल |
| 15 | Madhya Pradesh | 1086692 | 225749 | 620412 | 240531 | मध्य प्रदेश |
| 16 | Maharashtra | 2449530 | 1407141 | 853050 | 189339 | महाराष्ट्र |
| 17 | Meghalaya | 10936 | 2140 | 6733 | 2063 | मेघालय |
| 18 | Mizoram | 16240 | 3866 | 9964 | 2410 | मिजोरम |
| 19 | Nagaland | 15268 | 765 | 12208 | 2295 | नागालैंड |
| 20 | Odisha | 350306 | 32821 | 128589 | 188896 | ओडिशा |
| 21 | Punjab | 296482 | 147782 | 115160 | 33540 | पंजाब |
| 22 | Rajasthan | 383134 | 101944 | 216983 | 64207 | राजस्थान |
| 23 | Sikkim | 8612 | 3043 | 5149 | 420 | सिक्किम |
| 24 | Tamil Nadu | 1451690 | 610503 | 421360 | 419827 | तमिलनाडु |
| 25 | Tripura | 33830 | 1315 | 14665 | 17850 | त्रिपुरा |
| 26 | Uttar Pradesh | 992728 | 213616 | 702274 | 76838 | उत्तर प्रदेश |
| 27 | Uttarakhand | 89398 | 26661 | 57555 | 5182 | उत्तराखंड |
| 28 | West Bengal | 1393319 | 347827 | 609599 | 435893 | पश्चिम बंगाल |
| 29 | Andaman & Nicobar Islands | 3053 | 313 | 2506 | 234 | अंडमान एवं निकोबार द्वीपसमूह |
| 30 | Chandigarh | 22080 | 3441 | 12545 | 6094 | चंडीगढ़ |
| 31 | Puducherry | 35070 | 7324 | 18656 | 9090 | पुद्दुचेरी |
| **India** | | **13749424** | **5080245** | **6090103** | **2579076** | **भारत** |

Source: Census of India 2011, Slum houses, Households Amenities and assets

स्रोत : भारत की जनगणना 2011, स्लम गृह, पारिवारिक सुविधाएं एवं परिसंपत्तियां

Note : This table excludes institutional households.

## Statement 5.12: Statistics related to Road Transport
## विवरण 5.12 : सड़क परिवहन से संबंधित सांख्यिकी

| | Unit यूनिट | 2000-01 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17(P) | |
|---|---|---|---|---|---|---|---|---|---|---|
| **1. Length of roads** | | | | | | | | | | **1. सड़कों की लंबाई** |
| Total | Thousand Km हजार कि.मी. | 3373.5 | 4690.3 | 4865.4 | 5231.9 | 5402.5 | 5472.1 | 5603.3 | 5898 | कुल [a] |
| Surfaced | | 1601.7 | 2524.7 | 2698.6 | 3171 | 3220.5 | 3341 | 3501.9 | 3730 | पक्की सड़क |
| **2. Length of national Highways** | | | | | | | | | | **2. राष्ट्रीय राजमार्गों की लंबाई** |
| Total | Thousand Km हजार कि.मी. | 57.7 | 70.9 | 76.8 | 79.1 | 91.3 | 98.0 | 101.0 | 114.1 | कुल [a] |
| Surfaced | | 57.7 | 70.9 | 76.8 | 79.1 | 91.3 | 98.0 | 101.0 | 114.1 | पक्की सड़क |
| **3. Length of State Highways** | | | | | | | | | | **3. राज्य राजमार्गों की लंबाई** |
| Total | Thousand Km हजार कि.मी. | 132.1 | 163.9 | 164.4 | 169.2 | 170.8 | 167.1 | 176.2 | 175 | कुल [a] |
| Surfaced | | 129.9 | 161.9 | 163.0 | 167.2 | 169.0 | 165.3 | 170.2 | 169 | पक्की सड़क |
| **4. No. of Registered vehicles** | | | | | | | | | | **4. पंजीकृत वाहनों की संख्या** |
| All vehicles | Thousand हजार | 54991.0 | 141866.0 | 159491.0 | 176044 (R) | 190704 | 210023 | 230031 | 253311 | सभी वाहन |
| Goods vehicles | | 2948.0 | 7064.0 | 7658.0 | 8307 (R) | 8698 | 9344 | 10516 | 12256.33 | माल वाहन |
| Buses* | | 634.0 | 1604.0 | 1677.0 | 1814.0 (R) | 1887 | 1971 | 1757 | 1864.21 | बसें* |
| **5. Revenue realised from Road Transport** | | | | | | | | | | **5. सड़क परिवहन से प्राप्त राजस्व** |
| Central | (Crore) (करोड़) | 23861.0 | 75453.2 | 75572.5 | 90931.2 (R) | 89084.1 | 109941 | 199659.7 | 280132.1 | केंद्रीय |
| States | | 12901.7 | 45992.4 | 55161.1 | 50602.7 (R) | 56749.8 | 61230.7 | 70003.3 | 79962.2 | राज्य |
| **6. Freight and Passenger Movement by Road Transport** | | | | | | | | | | **6. सड़क परिवहन द्वारा माल एवं यात्री संचलन** |
| Freight | Billion Tonnes Km बिलियन टन कि.मी. | 494.0 | 1287.3 | 1407.8 | 1515.4 | 1650.8 | 1824.3 | 2026.1 | 2232 | माल |
| Pessenger | Billion Passengers Km बिलियन यात्री कि.मी. | 2076 | 8409 | 9478 | 10461 | 11730 | 13403 | 15415 | 17550 | यात्री |

Source: Ministry of Road Transport & Highways
1. Basic Road Statistics of India 2016-17

स्रोत : सड़क परिवहन एवं राजमार्ग मंत्रालय
2. Road Transport Year Book 2016-17

R: Revised

P: Provisional/अनंतिम
*: Included omni buses.

## Statement 5.13 : Status of registered motor vehicles
## विवरण 5.13 : पंजीकृत मोटर वाहनों की स्थिति
### (a) : Year-wise State-wise Registered motor vehicles
### (क) : पंजीकृत मोटर वाहनों की वर्षवार और राज्यवार स्थिति

(in numbers/संख्या)

| Sl. No. | States/UT | Transport परिवहन | | | | | Non- Transport गैर परिवहन | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2013 | 2014 | 2015 | 2016 | 2017(P) | 2013 | 2014 | 2015 | 2016 | 2017(P) | |
| 1 | Andhra Pradesh | 1301472 | 922583 | 1013986 | 1115430 | 1270390 | 11386231 | 6079560 | 6868276 | 7612128 | 8355980 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | ... | ... | ... | 38894 | 27340 | ... | ... | ... | 225859 | 152529 | अरुणाचल प्रदेश |
| 3 | Assam | 202784 | 377127 | 409050 | 433619 | 364670 | 1674738 | 1839880 | 2100687 | 2383771 | 2663995 | असम |
| 4 | Bihar | 336941 | 388302 | 440632 | 499561 | 568793 | 3280286 | 3775094 | 4336964 | 4982768 | 5677154 | बिहार |
| 5 | Chhattisgarh | 206189 | 267570 | 293803 | 321679 | 293837 | 3231053 | 3603787 | 4020124 | 4488773 | 4948195 | छत्तीसगढ़ |
| 6 | Delhi | 14317 | 15233 | 15775 | 10746 | 11603 | 79129 | 87477 | 95881 | 94576 | 104576 | दिल्ली |
| 7 | Goa | 317963 | 334434 | 354665 | 614092 | 600407 | 7467320 | 7958323 | 8496055 | 9090649 | 9659645 | गोवा |
| 8 | Gujarat | 106035 | 111120 | 115807 | 120396 | 125433 | 832337 | 898242 | 967861 | 1037845 | 1113211 | गुजरात |
| 9 | Haryana | 1586748 | 1685570 | 1805276 | 1925382 | 2031685 | 14185705 | 15406029 | 16915291 | 18435914 | 20004854 | हरियाणा |
| 10 | Himachal Pradesh | 630231 | 687498 | 751638 | 822115 | 909952 | 5969363 | 6551250 | 7175912 | 7810841 | 8460405 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 180127 | 190032 | 198069 | 202641 | 210892 | 695934 | 784238 | 879335 | 972869 | 1144920 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 171561 | 185306 | 199443 | 213247 | 254935 | 849225 | 947771 | 1044828 | 1152305 | 1255910 | झारखंड |
| 13 | Karnataka | 930461 | 196292 | 219856 | 351862 | 551774 | 2486316 | 1522468 | 1845750 | 2125156 | 2833573 | कर्नाटक |
| 14 | Kerala | 1180736 | 1289580 | 1404626 | 1542349 | 1684690 | 10882950 | 12045526 | 13380335 | 14749416 | 16186672 | केरल |
| 15 | Madhya Pradesh | 1751514 | 1845241 | 1912392 | 1467557 | 1531125 | 6106308 | 6929800 | 7735928 | 8704256 | 9771900 | मध्य प्रदेश |
| 16 | Maharashtra | 520521 | 569970 | 640175 | 605641 | 602536 | 8239518 | 9151655 | 10500952 | 10535400 | 12596336 | महाराष्ट्र |
| 17 | Manipur | 2091627 | 2241906 | 2339973 | 2467932 | 2659848 | 19396525 | 21151870 | 23222202 | 25401934 | 27557263 | मणिपुर |
| 18 | Meghalaya | 37895 | 42011 | 48658 | 41192 | 47144 | 258032 | 352533 | 258485 | 264847 | 293067 | मेघालय |
| 19 | Mizoram | 66453 | 82398 | 85992 | 361085 | 367649 | 153568 | 165867 | 181112 | 197384 | 215458 | मिजोरम |
| 20 | Nagaland | 25476 | 28694 | 30546 | 37689 | 29038 | 95860 | 108537 | 120940 | 133602 | 157988 | नागालैंड |
| 21 | Odisha | 138309 | 134680 | 141271 | 168189 | 185084 | 157566 | 167357 | 176189 | 195370 | 207809 | ओडिशा |
| 22 | Punjab | 437391 | 481243 | 525889 | 574564 | 613671 | 3778149 | 4220563 | 4692706 | 5258793 | 5943972 | पंजाब |
| 23 | Rajasthan | 317191 | 317191 | 317191 | 1436023 | 1466790 | 5945748 | 5945748 | 5945748 | 7628453 | 8376097 | राजस्थान |
| 24 | Sikkim | 26298 | 27111 | 27855 | 26141 | 27421 | 673316 | 723787 | 774726 | 837172 | 902911 | सिक्किम |

## विवरण 5.13 : पंजीकृत मोटर वाहनों की स्थिति

### (a) : Year-wise State-wise Registered motor vehicles

### (क) : पंजीकृत मोटर वाहनों की वर्षवार और राज्यवार स्थिति

(in numbers/संख्या)

| Sl. No. | States/UT | Transport परिवहन | | | | | Non- Transport गैर परिवहन | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2013 | 2014 | 2015 | 2016 | 2017(P) | 2013 | 2014 | 2015 | 2016 | 2017(P) | |
| 25 | Tamil Nadu | 816107 | 833014 | 952581 | 1032204 | 1116525 | 9255838 | 10300406 | 11426348 | 12599882 | 13784037 | तमिलनाडु |
| 26 | Telangana | 14415 | 16409 | 17465 | 18729 | 20082 | 21862 | 23199 | 25745 | 30276 | 34024 | तेलंगाना |
| 27 | Tripura | 1679608 | 1757430 | 1827887 | 1906590 | 1997034 | 17552453 | 19106232 | 20690782 | 22296758 | 24111932 | त्रिपुरा |
| 28 | Uttar Pradesh | 50188 | 45581 | 50198 | 55969 | 69000 | 194734 | 210589 | 231936 | 263513 | 313687 | उत्तर प्रदेश |
| 29 | Uttarakhand | 629389 | 690011 | 751001 | 831046 | 864206 | 5747088 | 6383098 | 7093715 | 7878143 | 8980215 | उत्तराखंड |
| 30 | West Bengal | 103708 | 114653 | 122473 | 152553 | 152227 | 1356428 | 1525275 | 1704564 | 1735667 | 1985106 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | 725149 | 825816 | 914353 | 1000467 | 1129492 | 16323035 | 18288876 | 20721178 | 22935899 | 25135754 | अंडमान एवं निकोबार दीपसमूह |
| 32 | Chandigarh | 672493 | 720148 | 761919 | 655972 | 712328 | 5438241 | 6024856 | 6641322 | 5832417 | 6733245 | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | 8073 | 8301 | 8572 | 8945 | 9210 | 77369 | 85390 | 93729 | 102184 | 112349 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 35525 | 17913 | 19159 | 19765 | 21758 | 1070824 | 612812 | 657317 | 817172 | 861031 | दमन एवं दीव |
| 35 | Lakshadweep | 9457 | 7421 | 7809 | 7670 | 7886 | 82088 | 87904 | 92570 | 97857 | 103428 | लक्षद्वीप |
| 36 | Puducherry | 1620 | 2078 | 2375 | 2183 | 2476 | 9485 | 10946 | 11856 | 13825 | 15611 | पुद्दुचेरी |
| | **Total** | **17323972** | **17459867** | **18728360** | **21090119** | **22538931** | **164954622** | **173076945** | **191127349** | **208923674** | **230754839** | **कुल** |

*Source : Road Transport year book, Transport Research Wing, Ministry of Road Transport & Highways*

*स्रोत : सड़क परिवहन आब्दिकी, परिवहन अनुसंधान प्रकोष्ठ, सड़क परिवहन एवं राजमार्ग मंत्रालय*

P: Provisional/अनंतिम

…: Not reported.

**Statement 5.13 : Status of registered motor vehicles**

**विवरण 5.13 : पंजीकृत मोटर वाहनों की स्थिति**

**(b) State-wise Category-wise Registered motor vehicles**

**(ख) राज्यवार और श्रेणीवार पंजीकृत मोटर वाहन**

(As on 31st March मार्च, 2016 तक की स्थिति के अनुसार) (In numbers संख्या)

| Sl. No. क्र. सं. | States/UT | Transport (P) परिवहन | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|
| | | Multi-axled/Articulated Vehicles/Trucks & Lorries बहु-धुरीय/ट्रेलर वाहन/ट्रक एवं लॉरी | Light Motor Vehicles (Goods) हल्के मोटर वाहन (माल) | Buses बस | Taxies टैक्सी | Light Motor Vehicles (Passengers) हल्के मोटर वाहन(यात्री) | Total Transport कुल परिवहन | |
| 1 | Andhra Pradesh | 1,53,485 | 1,88,543 | 41,187 | 77,538 | 4,44,295 | **1115430*** | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 9,573 | 11,823 | 8,630 | 456 | 8,412 | **38,894** | अरुणाचल प्रदेश^^ |
| 3 | Assam | 1,40,338 | 1,14,591 | 22,315 | 56,356 | 1,00,019 | **4,33,619** | असम |
| 4 | Bihar | 99,012 | 42,230 | 31,075 | 91,311 | 2,35,933 | **4,99,561** | बिहार |
| 5 | Chhattisgarh | 1,19,488 | 85,204 | 58,026 | 22,265 | 36,696 | **3,21,679** | छत्तीसगढ़ |
| 6 | Goa | 43,781 | 17,052 | 11,503 | 18,429 | 4,304 | **120396#** | गोवा |
| 7 | Gujarat | 3,75,265 | 6,33,599 | 82,734 | 1,15,450 | 7,18,334 | **19,25,382** | गुजरात |
| 8 | Haryana | 3,67,730 | 1,82,776 | 53,348 | 52,756 | 1,64,490 | **822115#** | हरियाणा ** |
| 9 | Himachal Pradesh | 77,101 | 67,876 | 18,137 | 34,706 | 4,821 | **2,02,641** | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 48,124 | 74,598 | 30,646 | 39,135 | 20,744 | **2,13,247** | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 68,440 | 90,068 | 71,981 | 22,449 | 98,924 | **3,51,862** | झारखंड |
| 12 | Karnataka | 2,90,415 | 3,67,572 | 86,544 | 2,45,570 | 4,14,661 | **1542349*** | कर्नाटक |
| 13 | Kerala | 1,90,469 | 3,66,326 | 1,11,835 | 1,07,567 | 6,10,235 | **1467557*** | केरल |
| 14 | Madhya Pradesh | 1,77,352 | 1,97,240 | 46,945 | 58,751 | 1,24,987 | **605641#** | मध्य प्रदेश |
| 15 | Maharashtra | 4,68,810 | 9,27,903 | 1,31,183 | 2,37,006 | 7,03,030 | **24,67,932** | महाराष्ट्र |
| 16 | Manipur | 14,134 | 4,515 | 3,825 | 8,252 | 10,466 | **41,192** | मणिपुर |
| 17 | Meghalaya | 3,00,135 | 12,051 | 5,398 | 22,804 | 20,697 | **3,61,085** | मेघालय |
| 18 | Mizoram | 5,597 | 14,952 | 1,268 | 11,032 | 4,840 | **37,689** | मिजोरम |
| 19 | Nagaland | 1,13,330 | 21,998 | 5,784 | 8,714 | 18,363 | **1,68,189** | नागालैंड |
| 20 | Odisha | 1,58,247 | 1,65,858 | 26,150 | 1,02,803 | 1,21,506 | **5,74,564** | ओडिशा |
| 21 | Punjab | 2,47,087 | 1,05,340 | 41,908 | 7,627 | 10,34,061 | **14,36,023** | पंजाब^^ |

**Statement 5.13 : Status of registered motor vehicles**

**विवरण 5.13 : पंजीकृत मोटर वाहनों की स्थिति**

**(b) State-wise Category-wise Registered motor vehicles**

**(ख) राज्यवार और श्रेणीवार पंजीकृत मोटर वाहन**

(As on 31st March मार्च, 2016 तक की स्थिति के अनुसार) (In numbers संख्या)

| Sl. No. क्र. सं. | States/UT | Transport (P) परिवहन | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|
| | | Multi-axled/Articulated Vehicles/Trucks & Lorries बहु-धुरीय/ट्रेलर वाहन/ट्रक एवं लॉरी | Light Motor Vehicles (Goods) हल्के मोटर वाहन (माल) | Buses बस | Taxies टैक्सी | Light Motor Vehicles (Passengers) हल्के मोटर वाहन(यात्री) | Total Transport कुल परिवहन | |
| 22 | Rajasthan | 5,17,604 | 99,763 | 1,02,818 | 1,31,912 | 1,80,107 | **10,32,204** | राजस्थान |
| 23 | Sikkim | 3,686 | 1,473 | 336 | 13,234 | - | **18,729** | सिक्किम |
| 24 | Tamil Nadu | 5,49,461 | 4,23,098 | 1,79,021 | 3,73,522 | 3,81,488 | **19,06,590** | तमिलनाडु |
| 25 | Telangana | 3,62,650 | - | 47,470 | 1,01,488 | 3,19,438 | **8,31,046** | तेलंगाना |
| 26 | Tripura | 8,580 | 10,022 | 2,749 | 12,296 | 22,322 | **55,969** | त्रिपुरा |
| 27 | Uttar Pradesh | 2,45,688 | 3,16,815 | 57,939 | 1,04,931 | 2,75,093 | **1000467#** | उत्तर प्रदेश |
| 28 | Uttarakhand | 45,355 | 39,302 | 7,736 | 39,824 | 20,301 | **152553#** | उत्तराखंड |
| 29 | West Bengal | 4,07,229 | $ | 44,771 | 1,27,038 | 76,934 | **6,55,972** | पश्चिम बंगाल |
| | **TOTAL STATES (1)** | **56,08,166** | **45,82,588** | **13,33,262** | **22,45,222** | **61,75,501** | **2,04,00,577** | **कुल राज्य (1)** |
| | **UTs** | | | | | | | **संघ राज्य क्षेत्र** |
| 1 | Andaman And Nicobar Island | 0 | 2,730 | 1,074 | 489 | 4,652 | **8,945** | अंडमान एवं निकोबार दीपसमूह |
| 2 | Chandigarh | 1,870 | 8,798 | 2,729 | 1,847 | 4,521 | **19,765** | चंडीगढ़ |
| 3 | Dadra And Nagar Haveli | 5,425 | 4,186 | 549 | 16 | 570 | **10,746** | दादरा एवं नगर हवेली |
| 4 | Daman & Diu | 4,465 | 1,843 | 0 | 70 | 1,292 | **7,670** | दमन एवं दीव |
| 5 | Delhi @ | 2,81,159 | - | 43,723 | 91,073 | 1,98,137 | **6,14,092** | दिल्ली |
| 6 | Lakshadweep | 0 | 1,202 | 0 | 329 | 652 | **2,183** | लक्षद्वीप |
| 7 | Puducherry | 2,285 | 11,439 | 3,403 | 2,329 | 6,685 | **26,141** | पुद्दुचेरी |
| | **TOTAL UTs (2)** | **2,95,204** | **30,198** | **51,478** | **96,153** | **2,16,509** | **6,89,542** | **कुल संघ राज्य क्षेत्र (2)** |
| | **GRAND TOTAL (1+2)** | **59,03,370** | **46,12,786** | **13,84,740** | **23,41,375** | **63,92,010** | **2,10,90,119** | **कुल योग (1+2)** |

Source: Road Transport Year Book 2015-16 (Annexure 3.3)/स्रोत : सड़क परिवहन आब्दिकी 2015-16 (अनुबंध 3.3) P: Provisional/अनंतिम

# : Includes Motor Cycles on hire **$ :Included in Multi-axled/Articulated Vehicles/Trucks & Lorries** .- Not reported.

**Statement 5.13 : Status of registered motor vehicles**

**विवरण 5.13 : पंजीकृत मोटर वाहनों की स्थिति**

**(b) State-wise Category-wise Registered motor vehicles**

**(ख) राज्यवार और श्रेणीवार पंजीकृत मोटर वाहन**

(31 मार्च, 2016 तक की स्थिति के अनुसार) (In numbers संख्या)

| Sl. No. क्र. सं. | States/UT | Non-Transport गैर परिवहन | | | | | | | | Grand Total (Transport +Non- Tpt.) कुल योग (परिवहन + गैर परिवहन) | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Two Wheelers दुपहिया वाहन | Cars कार | Jeeps जीप | Omni Buses ओम्नी बसें | Tractors ट्रैक्टर | Trailers ट्रेलर | Others अन्य | Total Non-Tpt. कुल गैर परिवहन | | |
| 1 | Andhra Pradesh | 68,24,016 | 4,99,884 | 10,401 | 23,257 | 1,37,732 | 99,932 | 16,906 | **76,12,128** | **87,27,558** | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 1,27,225 | 87,796 | 4,307 | 40 | 706 | 275 | 5,510 | **2,25,859** | **2,64,753** | अरुणाचल प्रदेश^^ |
| 3 | Assam | 17,44,543 | 5,09,475 | 16,193 | 1,548 | 91,138 | 20,874 | | **23,83,771** | **28,17,390** | असम |
| 4 | Bihar | 40,38,839 | 2,66,512 | 1,25,139 | - | 3,49,818 | 1,75,882 | 26,578 | **49,82,768** | **54,82,329** | बिहार |
| 5 | Chhattisgarh | 38,78,833 | 2,54,921 | 21,103 | 6,515 | 1,91,483 | 1,17,148 | 18,770 | **44,88,773** | **48,10,452** | छत्तीसगढ़ |
| 6 | Goa | 7,96,495 | 2,32,767 | ^ | 0 | 3,720 | # | 4,863 | **10,37,845** | **11,58,241** | गोवा |
| 7 | Gujarat | 1,49,19,493 | 22,60,084 | 1,83,774 | - | 6,41,376 | 3,69,276 | 61,911 | **1,84,35,914** | **2,03,61,296** | गुजरात |
| 8 | Haryana | 54,53,960 | 17,11,692 | ^ | 2,433 | 6,29,252 | 103 | 13,401 | **78,10,841** | **86,32,956** | हरियाणा ** |
| 9 | Himachal Pradesh | 6,06,485 | 2,78,096 | 19,703 | 2,893 | 29,117 | 232 | 36,343 | **9,72,869** | **11,75,510** | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 7,06,746 | 3,79,571 | 27,665 | 2,767 | 25,589 | 3,439 | 6,528 | **11,52,305** | **13,65,552** | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 16,44,121 | 2,52,472 | 57,750 | 2,131 | 68,583 | 32,029 | 68,070 | **21,25,156** | **24,77,018** | झारखंड |
| 12 | Karnataka | 1,17,68,570 | 19,16,373 | 45,909 | 1,27,155 | 4,70,224 | 3,17,707 | 1,03,478 | **1,47,49,416** | **1,62,91,765** | कर्नाटक |
| 13 | Kerala | 64,72,302 | 20,70,635 | ^ | && | 11,679 | 0 | 1,49,640 | **87,04,256** | **1,01,71,813** | केरल |
| 14 | Madhya Pradesh | 87,01,207 | 8,20,391 | 46,502 | 1,20,522 | 6,98,906 | 356 | 1,47,516 | **1,05,35,400** | **1,11,41,041** | मध्य प्रदेश |
| 15 | Maharashtra | 2,03,55,825 | 34,06,872 | 5,17,239 | 19,244 | 6,15,007 | 3,89,064 | 98,683 | **2,54,01,934** | **2,78,69,866** | महाराष्ट्र |
| 16 | Manipur | 2,11,104 | 31,245 | 14,512 | 3,489 | 1,830 | 150 | 2,517 | **2,64,847** | **3,06,039** | मणिपुर |
| 17 | Meghalaya | 94,843 | 75,124 | 19,581 | 68 | 860 | 2,872 | 4,036 | **1,97,384** | **5,58,469** | मेघालय |
| 18 | Mizoram | 1,00,270 | 21,065 | 6,228 | 0 | 333 | 103 | 5,603 | **1,33,602** | **1,71,291** | मिजोरम |
| 19 | Nagaland | 81,482 | 70,467 | 32,981 | 498 | 2,814 | 1,060 | 6,068 | **1,95,370** | **3,63,559** | नागालैंड |
| 20 | Odisha | 46,28,604 | 3,09,565 | 48,118 | 3,668 | 1,27,255 | 1,11,656 | 29,927 | **52,58,793** | **58,33,357** | ओडिशा |
| 21 | Punjab | 68,63,421 | | | | | | 7,65,032 | **76,28,453** | **90,64,476** | पंजाब^^ |

**Statement 5.13 : Status of registered motor vehicles**

**विवरण 5.13 : पंजीकृत मोटर वाहनों की स्थिति**

**(b) State-wise Category-wise Registered motor vehicles**

**(ख) राज्यवार और श्रेणीवार पंजीकृत मोटर वाहन**

(31 मार्च, 2016 तक की स्थिति के अनुसार) (In numbers संख्या)

| Sl. No. क्र. सं. | States/UT | Non-Transport गैर परिवहन | | | | | | | | Grand Total (Transport +Non- Tpt.) कुल योग (परिवहन + गैर परिवहन) | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Two Wheelers दुपहिया वाहन | Cars कार | Jeeps जीप | Omni Buses ओम्नी बसें | Tractors ट्रैक्टर | Trailers ट्रेलर | Others अन्य | Total Non-Tpt. कुल गैर परिवहन | | |
| 22 | Rajasthan | 1,02,58,009 | 8,99,307 | 3,96,572 | - | 9,69,287 | 76,707 | | **1,25,99,882** | **1,36,32,086** | राजस्थान |
| 23 | Sikkim | 4,237 | 17,041 | 8,649 | 0 | 203 | 0 | 146 | **30,276** | **49,005** | सिक्किम |
| 24 | Tamil Nadu | 1,95,07,083 | 21,32,294 | 60,465 | 20,309 | 2,36,413 | 78,721 | 2,61,473 | **2,22,96,758** | **2,42,03,348** | तमिलनाडु |
| 25 | Telangana | 64,64,166 | 10,43,620 | | | 3,22,575 | | 47,782 | **78,78,143** | **87,09,189** | तेलंगाना |
| 26 | Tripura | 2,28,096 | 24,600 | 5,770 | 0 | 558 | 706 | 3,783 | **2,63,513** | **3,19,482** | त्रिपुरा |
| 27 | Uttar Pradesh | 1,92,58,791 | 17,46,117 | 5,84,342 | 31,188 | 12,76,927 | 16,168 | 22,366 | **2,29,35,899** | **2,39,36,366** | उत्तर प्रदेश |
| 28 | Uttarakhand | 13,62,282 | 2,95,215 | 10,277 | 166 | 59,416 | 5,530 | 2,781 | **17,35,667** | **18,88,220** | उत्तराखंड |
| 29 | West Bengal | 47,96,698 | 8,78,327 | ^ | ^ | 1,20,179 | ## | 37,213 | **58,32,417** | **64,88,389** | पश्चिम बंगाल |
| | **TOTAL STATES (1)** | **16,18,97,746** | **2,24,91,528** | **22,63,180** | **3,67,891** | **70,82,980** | **18,19,990** | **19,46,924** | **19,78,70,239** | **21,82,70,816** | **कुल राज्य (1)** |
| | **UTs** | | | | | | | | **0** | **0** | **संघ राज्य क्षेत्र** |
| 1 | Andaman And Nicobar Island | 79,098 | 22,265 | ^ | ^ | ^ | 821 | 0 | **1,02,184** | **1,11,129** | अंडमान एवं निकोबार दीपसमूह |
| 2 | Chandigarh | & | & | & | & | & | & | 8,17,172 | **8,17,172** | **8,36,937** | चंडीगढ़ |
| 3 | Dadra And Nagar Haveli | 71,038 | 22,689 | 317 | 5 | 270 | 5 | 252 | **94,576** | **1,05,322** | दादरा एवं नगर हवेली |
| 4 | Daman & Diu | 67,789 | 28,588 | 610 | 51 | 416 | 221 | 182 | **97,857** | **1,05,527** | दमन एवं दीव |
| 5 | Delhi @ | 61,04,070 | 29,86,579 | ^ | | | | | **90,90,649** | **97,04,741** | दिल्ली |
| 6 | Lakshadweep | 13,093 | 90 | 32 | 37 | 151 | 0 | 422 | **13,825** | **16,008** | लक्षद्वीप |
| 7 | Puducherry | 7,42,466 | 83,085 | 1,349 | 3,943 | 2,422 | 738 | 3,169 | **8,37,172** | **8,63,313** | पुद्दुचेरी |
| | **TOTAL UTs (2)** | **70,77,554** | **31,43,296** | **2,308** | **4,036** | **3,259** | **1,785** | **8,21,197** | **1,10,53,435** | **1,17,42,977** | **कुल संघ राज्य क्षेत्र (2** |
| | **GRAND TOTAL (1+2)** | **16,89,75,300** | **2,56,34,824** | **22,65,488** | **3,71,927** | **70,86,239** | **18,21,775** | **27,68,121** | **20,89,23,674** | **23,00,13,793** | **कुल योग (1+2)** |

Source: Road Transport Year Book 2015-16 (Annexure 3.3) स्रोत : सड़क परिवहन आब्दिकी 2015-16 (अनुबंध 3.3)

@ :Figures are as per Statistical Handbook of the State/UT. ^ : Included in cars. ^^ : Data relates to 2011-12 **: Data relates to 2013-14

*: includes other vehicles not covered in item numbers I to VII of 'Transport Vehicles'. P: Provisional/अनंतिम

&: Includes 16805Government Vehicles(for which category-wise break-up is not available.)

**Statement 5.13 : Status of registered motor vehicles**

**विवरण 5.13 : पंजीकृत मोटर वाहनों की स्थिति**

**(b) State-wise Category-wise Registered motor vehicles**

**(ख) राज्यवार और श्रेणीवार पंजीकृत मोटर वाहन**

**(31 मार्च, 2017 तक की स्थिति के अनुसार)** **(In numbers संख्या)**

| Sl. No. क्र. सं. | States/UT | Transport (P) परिवहन | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|
| | | Multi-axled/Articulated Vehicles/Trucks & Lorries बहु-धुरीय/ट्रेलर वाहन/ट्रक एवं लॉरी | Light Motor Vehicles (Goods) हल्के मोटर वाहन (माल) | Buses बस | Taxies टैक्सी | Light Motor Vehicles (Passengers) हल्के मोटर वाहन(यात्री) | Total Transport कुल परिवहन | |
| 1 | Andhra Pradesh | 306300 | 188543 | 41187 | 79683 | 444295 | 1270390 * | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 6012 | 7142 | 5192 | 860 | 8134 | 27340 | अरुणाचल प्रदेश^^ |
| 3 | Assam | 140535 | 131545 | 21749 | 60209 | 10632 | 364670 | असम |
| 4 | Bihar | 107756 | 59232 | 33751 | 96344 | 271710 | 568793 | बिहार |
| 5 | Chhattisgarh | 127446 | 92859 | 15484 | 17830 | 40218 | 293837 | छत्तीसगढ़ |
| 6 | Goa | 44047 | 18316 | 11888 | 19698 | 4411 | 125433 # | गोवा |
| 7 | Gujarat | 396061 | 676915 | 74855 | 125461 | 758393 | 2031685 | गुजरात |
| 8 | Haryana | 390321 | 196239 | 57696 | 80555 | 183110 | 909952 # | हरियाणा ** |
| 9 | Himachal Pradesh | 76211 | 85071 | 9633 | 35190 | 4787 | 210892 | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 57174 | 80328 | 29079 | 59185 | 28779 | 254935 | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 92738 | 200194 | 10398 | 38054 | 89497 | 551774 | झारखंड |
| 12 | Karnataka | 306290 | 400358 | 93690 | 292320 | 447895 | 1684690 * | कर्नाटक |
| 13 | Kerala | 194293 | 384988 | 117720 | 119002 | 632426 | 1531125 * | केरल |
| 14 | Madhya Pradesh | 168626 | 177294 | 53468 | 72285 | 130863 | 602536 | मध्य प्रदेश |
| 15 | Maharashtra | 496439 | 974527 | 141289 | 306984 | 740609 | 2659848 | महाराष्ट्र |
| 16 | Manipur | 15759 | 3483 | 2583 | 4496 | 20823 | 47144 | मणिपुर |
| 17 | Meghalaya | 301698 | 13431 | 5517 | 24428 | 22575 | 367649 | मेघालय |
| 18 | Mizoram | 3787 | 9355 | 1268 | 9266 | 5333 | 29038 | मिजोरम |
| 19 | Nagaland | 130211 | 22733 | 5926 | 7222 | 18992 | 185084 | नागालैंड |
| 20 | Odisha | 171044 | 178922 | 27621 | 97837 | 138247 | 613671 | ओडिशा |
| 21 | Punjab | 255684 | 1045782 | 45378 | 8926 | 111020 | 1466790 | पंजाब^^ |

**Statement 5.13 : Status of registered motor vehicles**

**विवरण 5.13 : पंजीकृत मोटर वाहनों की स्थिति**

**(b) State-wise Category-wise Registered motor vehicles**

**(ख) राज्यवार और श्रेणीवार पंजीकृत मोटर वाहन**

**(31 मार्च, 2017 तक की स्थिति के अनुसार)** **(In numbers संख्या)**

| Sl. No. क्र. सं. | States/UT | Transport (P) परिवहन | | | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|
| | | Multi-axled/Articulated Vehicles/Trucks & Lorries बहु-धुरीय/ट्रेलर वाहन/ट्रक एवं लॉरी | Light Motor Vehicles (Goods) हल्के मोटर वाहन (माल) | Buses बस | Taxies टैक्सी | Light Motor Vehicles (Passengers) हल्के मोटर वाहन(यात्री) | Total Transport कुल परिवहन | |
| 22 | Rajasthan | 561158 | 109020 | 108681 | 143075 | 194591 | 1116525 | राजस्थान |
| 23 | Sikkim | 3847 | 1585 | 363 | 14282 | 0 | 20082 | सिक्किम |
| 24 | Tamil Nadu | 569017 | 428544 | 187073 | 404282 | 408118 | 1997034 | तमिलनाडु |
| 25 | Telangana | 121117 | 222215 | 51580 | 122520 | 345904 | 864206 | तेलंगाना |
| 26 | Tripura | 13938 | 17191 | 2953 | 13665 | 21253 | 69000 | त्रिपुरा |
| 27 | Uttar Pradesh | 265167 | 359769 | 75309 | 117208 | 312037 | 1129492 # | उत्तर प्रदेश |
| 28 | Uttarakhand | 19485 | 45068 | 12031 | 44082 | 31352 | 152227 # | उत्तराखंड |
| 29 | West Bengal | 0 | 443966 | 46964 | 136813 | 84555 | 712328 # | पश्चिम बंगाल |
| | **TOTAL STATES (1)** | **5342161** | **6574615** | **1290326** | **2551762** | **5510559** | **21858170** | **कुल राज्य (1)** |
| | **UTs** | | | | | | | **संघ राज्य क्षेत्र** |
| 1 | Andaman And Nicobar Islands | 2829 | 0 | 1088 | 489 | 4804 | 9210 | अंडमान एवं निकोबार दीपसमूह |
| 2 | Chandigarh | 2017 | 9379 | 2932 | 1735 | 5695 | 21758 | चंडीगढ़ |
| 3 | Dadra & Nagar Haveli | 5945 | 4477 | 594 | 20 | 567 | 11603 | दादरा एवं नगर हवेली |
| 4 | Daman & Diu | 4538 | 1968 | 0 | 77 | 1303 | 7886 | दमन एवं दीव |
| 5 | Delhi | 3158 | 289707 | 41682 | 137773 | 128087 | 600407 | दिल्ली |
| 6 | Lakshadweep | 0 | 1330 | 0 | 379 | 767 | 2476 | लक्षद्वीप |
| 7 | Puducherry | 2294 | 11919 | 3834 | 2571 | 6803 | 27421 | पुद्दुचेरी |
| ) | **TOTAL UTs (2)** | **20781** | **318780** | **50130** | **143044** | **148026** | **680761** | **कुल संघ राज्य क्षेत्र (2)** |
| | **GRAND TOTAL (1+2)** | **5362942** | **6893395** | **1340456** | **2694806** | **5658585** | **22538931** | **कुल योग (1+2)** |

Source: Offices of State Transport Commissioners/UT Administrations/स्रोत: राज्य परिवहन आयुक्तों / संघ शासित प्रदेशों के कार्यालयों।

*: includes other vehicles not covered in item numbers I to VII of 'Transport Vehicles'.

P: Provisional/अनंतिम

**Statement 5.13 : Status of registered motor vehicles**

**विवरण 5.13 : पंजीकृत मोटर वाहनों की स्थिति**

**(b) State-wise Category-wise Registered motor vehicles**

**(ख) राज्यवार और श्रेणीवार पंजीकृत मोटर वाहन**

(31 मार्च, 2017 तक की स्थिति के अनुसार) (In numbers संख्या)

| Sl. No. क्र. सं. | States/UT | Non-Transport (P) गैर परिवहन | | | | | | | | Grand Total (Transport +Non- Tpt.) कुल योग (परिवहन + गैर परिवहन) | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Two Wheelers दुपहिया वाहन | Cars कार | Jeeps जीप | Omni Buses ओम्नी बसें | Tractors ट्रैक्टर | Trailers ट्रेलर | Others अन्य | Total Non-Tpt. कुल गैर परिवहन | | |
| 1 | Andhra Pradesh | 7500509 | 545714 | 10878 | 25285 | 148602 | 106709 | 18283 | 8355980 | 9626370 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 87552 | 57552 | 2898 | 29 | 954 | 407 | 3137 | 152529 | 179869 | अरुणाचल प्रदेश^^ |
| 3 | Assam | 1974790 | 620197 | 0 | 0 | 47322 | 21686 | 0 | 2663995 | 3028665 | असम |
| 4 | Bihar | 4631584 | 300082 | 133889 | 0 | 387894 | 196106 | 27599 | 5677154 | 6245947 | बिहार |
| 5 | Chhattisgarh | 4241769 | 282061 | 22023 | 54441 | 205740 | 121847 | 20314 | 4948195 | 5242032 | छत्तीसगढ़ |
| 6 | Goa | 853421 | 251034 | ^ | 0 | 3888 | ## | 4868 | 1113211 | 1238644 | गोवा |
| 7 | Gujarat | 16144357 | 2527537 | 185894 | 0 | 687825 | 379173 | 80068 | 20004854 | 22036539 | गुजरात |
| 8 | Haryana | 5937102 | 1851788 | 0 | 2433 | 653926 | 191 | 14965 | 8460405 | 9370357 | हरियाणा ** |
| 9 | Himachal Pradesh | 678918 | 318244 | 22411 | 1999 | 6197 | 109 | 117042 | 1144920 | 1355812 | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 745165 | 421391 | 15224 | 35966 | 22896 | 878 | 14390 | 1255910 | 1510845 | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 2264951 | 352510 | 64614 | 34 | 80816 | 64659 | 5989 | 2833573 | 3385347 | झारखंड |
| 12 | Karnataka | 12955113 | 2110493 | 46319 | 130890 | 498977 | 335745 | 109135 | 16186672 | 17871362 | कर्नाटक |
| 13 | Kerala | 7194235 | 2385995 | 0 | 0 | 13150 | 0 | 178520 | 9771900 | 11303025 | केरल |
| 14 | Madhya Pradesh | 10479538 | 869777 | ^ | 135650 | 1073487 | ## | 37884 | 12596336 | 13198872 | मध्य प्रदेश |
| 15 | Maharashtra | 22132190 | 3715744 | 535487 | 18753 | 655756 | 397077 | 102256 | 27557263 | 30217111 | महाराष्ट्र |
| 16 | Manipur | 233075 | 52120 | 4118 | 0 | 1190 | 16 | 2548 | 293067 | 340211 | मणिपुर |
| 17 | Meghalaya | 106072 | 81083 | 19967 | 73 | 884 | 2877 | 4502 | 215458 | 583107 | मेघालय |
| 18 | Mizoram | 112621 | 26869 | 6929 | 0 | 285 | 0 | 11284 | 157988 | 187026 | मिजोरम |
| 19 | Nagaland | 86835 | 74563 | 34390 | 498 | 2868 | 1068 | 7587 | 207809 | 410178 & | नागालैंड |
| 20 | Odisha | 5225666 | 350226 | 48669 | 3668 | 143874 | 124584 | 47285 | 5943972 | 6557643 | ओडिशा |
| 21 | Punjab | 7480829 | 0 | 0 | 0 | 0 | 0 | 895268 | 8376097 | 9842887 | पंजाब^^ |

**Statement 5.13 : Status of registered motor vehicles**

**विवरण 5.13 : पंजीकृत मोटर वाहनों की स्थिति**

**(b) State-wise Category-wise Registered motor vehicles**

**(ख) राज्यवार और श्रेणीवार पंजीकृत मोटर वाहन**

(31 मार्च, 2017 तक की स्थिति के अनुसार) (In numbers संख्या)

| Sl. No. क्र. सं. | States/UT | Non-Transport (P) गैर परिवहन | | | | | | | | Grand Total (Transport +Non- Tpt.) कुल योग (परिवहन + गैर परिवहन) | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Two Wheelers दुपहिया वाहन | Cars कार | Jeeps जीप | Omni Buses ओम्नी बसें | Tractors ट्रैक्टर | Trailers ट्रेलर | Others अन्य | Total Non-Tpt. कुल गैर परिवहन | | |
| 22 | Rajasthan | 11250427 | 988391 | 435366 | 0 | 1029721 | 80042 | 90 | 13784037 | 14900562 | राजस्थान |
| 23 | Sikkim | 5062 | 18662 | 9928 | 0 | 0 | 217 | 155 | 34024 | 54106 | सिक्किम |
| 24 | Tamil Nadu | 21093750 | 2315769 | 60662 | 20354 | 250631 | 80082 | 290684 | 24111932 | 26108966 | तमिलनाडु |
| 25 | Telangana | 7137408 | 1081630 | 15957 | 52743 | 209099 | 89792 | 393586 | 8980215 | 9844421 | तेलंगाना |
| 26 | Tripura | 260767 | 41623 | 5618 | 14 | 562 | 812 | 4291 | 313687 | 382687 | त्रिपुरा |
| 27 | Uttar Pradesh | 21127282 | 2027972 | 566225 | 36711 | 1338243 | 16251 | 23070 | 25135754 | 26265246 | उत्तर प्रदेश |
| 28 | Uttarakhand | 1541985 | 385446 | 0 | 0 | 50670 | 2616 | 4389 | 1985106 | 2137333 | उत्तराखंड |
| 29 | West Bengal | 5595357 | 961369 | 0 | 0 | 136112 | 0 | 40407 | 6733245 | 7445573 | पश्चिम बंगाल |
| | **TOTAL STATES (1)** | **179078330** | **25015842** | **2247466** | **519541** | **7651569** | **2022944** | **2459596** | **218995288** | **240870743** | **कुल राज्य (1)** |
| | **UTs** | | | | | | | | | | **संघ राज्य क्षेत्र** |
| 1 | Andaman And Nicobar Islands | 86402 | 0 | 25108 | | ^ | 839 | 0 | 112349 | 121559 | अंडमान एवं निकोबार दीपसमूह |
| 2 | Chandigarh | 366541 | 469672 | 24543 | 0 | 275 | 0 | 0 | 861031 | 882789 | चंडीगढ़ |
| 3 | Dadra & Nagar Haveli | 77811 | 24768 | 314 | 5 | 275 | 5 | 1398 | 104576 | 116179 | दादरा एवं नगर हवेली |
| 4 | Daman & Diu | 71585 | 30336 | 610 | 51 | 429 | 224 | 193 | 103428 | 111314 | दमन एवं दीव |
| 5 | Delhi | 6595993 | 3061817 | ^ | 4 | 211 | 0 | 1620 | 9659645 | 10260052 | दिल्ली |
| 6 | Lakshadweep | 14708 | 155 | 36 | 39 | 171 | 0 | 502 | 15611 | 18087 | लक्षद्वीप |
| 7 | Puducherry | 799907 | 91080 | 1349 | 4116 | 2455 | 745 | 3259 | 902911 | 930332 | पुद्दुचेरी |
| | **TOTAL UTs (2)** | **8012947** | **3677828** | **51960** | **4215** | **3816** | **1813** | **6972** | **11759551** | **12440312** | **कुल संघ राज्य क्षेत्र (2)** |
| | **GRAND TOTAL(1+2)** | **187091277** | **28693670** | **2299426** | **523756** | **7655385** | **2024757** | **2466568** | **230754839** | **253311055** | **कुल योग (1+2)** |

Source: Offices of State Transport Commissioners/UT Administrations/स्रोत: राज्य परिवहन आयुक्तों / संघ शासित प्रदेशों के कार्यालयों।

&: Includes 16805 Government Vehicles(for which category-wise break-up is not available.) - : Not reported.

^ : Included in cars. # : Includes Motor Cycles on hire ## : Included in tractors P: Provisional/अनंतिम

## Statement 5.14: Registered motor vehicles in million plus cities of India

## विवरण 5.14 : भारत के एक मिलियन से अधिक आबादी वाले शहरों में पंजीकृत मोटर वाहन

(in number/ संख्या)

| Sl. No. क्र. सं. | Name of City | 2015 | | | 2016 | | | 2017 (P) | | | शहर का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Transport परिवहन | Non-Transport गैर परिवहन | Total कुल | Transport परिवहन | Non-Transport गैर परिवहन | Total कुल | Transport परिवहन | Non-Transport गैर परिवहन | Total कुल | |
| 1 | Agra | 32,904 | 8,72,119 | 9,05,023 | 32835 | 889866 | 922701 | 35916 | 925705 | 961621 | आगरा |
| 2 | Ahmedabad | 3,42,431 | 30,77,397 | 34,19,828 | 361112 | 3294736 | 3655848 | 379370 | 3525582 | 3904952 | अहमदाबाद |
| 3 | Allahabad | 48,781 | 8,48,254 | 8,97,035 | 52175 | 1007604 | 1059779 | 57918 | 965077 | 1022995 | इलाहाबाद |
| 4 | Allappuzha | - | - | - | 28034 | 169769 | 197803 | 27042 | 183200 | 210242 | आलाप्पुझा |
| 5 | Aurangabad | 44,725 | 3,81,521 | 4,26,246 | 43418 | 711255 | 754673 | 47383 | 468098 | 515481 | औरंगाबाद |
| 6 | Bengaluru | 533736# | 50,25,994 | 55,59,730 | 597521 | 5515356 | 6112877 | 667949 | 6165158 | 6833107 | बेंगलुरू# |
| 7 | Bhopal | 73,807 | 10,06,670 | 10,80,477 | 63965 | 996645 | 1060610 | 66411 | 1189373 | 1255784 | भोपाल |
| 8 | Chandigarh | 88,203 | 6,57,317 | 7,45,520 | 19765 | 817172 | 836937 | 20511 | 861031 | 881542 | चंडीगढ़ |
| 9 | Chennai | 4,67,290 | 44,67,122 | 49,34,412 | 470866 | 4467122 | 4937988 | 494303 | 4804580 | 5298883 | चेन्नई |
| 10 | Coimbatore | 83,236 | 18,18,041 | 19,01,277 | 85869 | 1818041 | 1903910 | 92154 | 1966460 | 2058614 | कोयम्बटूर |
| 11 | Delhi | 354665# | 84,96,055 | 88,50,720 | 354665 | 8496055 | 8850720 | 600407 | 9659645 | 10260052 | दिल्ली |
| 12 | Dhanbad* | 58,723 | 5,04,703 | 5,63,426 | 62760 | 541439 | 604199 | 66456 | 584602 | 651058 | धनबाद* |
| 13 | Durg Bhilai | 41,080 | 7,27,842 | 7,68,922 | 44219 | 772527 | 816746 | 40770 | 774454 | 815224 | दुर्ग भिलाई |
| 14 | Ghaziabad | 44,230 | 7,07,373 | 7,51,603 | 45685 | 794046 | 839731 | 53369 | 864231 | 917600 | गाजियाबाद |
| 15 | Greater Mumbai | 2,66,932 | 23,04,272 | 25,71,204 | 293926 | 2525726 | 2819652 | 321050 | 2731851 | 3052901 | ग्रेटर मुंबई |
| 16 | Gwalior | 39707* | 5,77,974 | 6,17,681 | 37613 | 596611 | 634224 | 37613 | 596611 | 634224 | ग्वालियर |
| 17 | Hyderabad | 204890* | 21,63,928 | 23,68,818 | 204890 | 2163928 | 2368818 | 225413 | 2489097 | 2714510 | हैदराबाद |
| 18 | Indore | 1,63,003 | 15,49,699 | 17,12,702 | 131121 | 1679622 | 1810743 | 140099 | 1794489 | 1934588 | इंदौर |
| 19 | Jabalpur | 50,628 | 5,87,591 | 6,38,219 | 44815 | 618027 | 662842 | 44815 | 618027 | 662842 | जबलपुर |
| 20 | Jaipur | 1,70,440 | 20,78,800 | 22,49,240 | 193468 | 2230125 | 2423593 | 208904 | 2374202 | 2583106 | जयपुर |
| 21 | Jamshedpur* | 45,091 | 4,26,960 | 4,72,051 | 2392 | 56259 | 58651 | 19431 | 246302 | 265733 | जमशेदपुर* |
| 22 | Jodhpur | 97,749 | 8,18,423 | 9,16,172 | 104574 | 872620 | 977194 | 110513 | 941301 | 1051814 | जोधपुर |
| 23 | Kannur | 30,387 | 1,58,110 | 1,88,497 | 32113 | 181225 | 213338 | 31404 | 200753 | 232157 | कन्नूर |
| 24 | Kanpur | 40,793 | 14,20,737 | 14,61,530 | 43494 | 1498669 | 1542163 | 46244 | 1586438 | 1632682 | कानपूर |

## Statement 5.14: Registered motor vehicles in million plus cities of India

## विवरण 5.14 : भारत के एक मिलियन से अधिक आबादी वाले शहरों में पंजीकृत मोटर वाहन

(in number/ संख्या)

| Sl. No. क्र. सं. | Name of City | 2015 | | | 2016 | | | 2017 (P) | | | शहर का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Transport परिवहन | Non-Transport गैर परिवहन | Total कुल | Transport परिवहन | Non-Transport गैर परिवहन | Total कुल | Transport परिवहन | Non-Transport गैर परिवहन | Total कुल | |
| 25 | Kochi | 84,641 | 5,21,048 | 6,05,689 | 51819 | 449528 | 501347 | 51819 | 449528 | 501347 | कोच्चि |
| 26 | Kolkata* | 1,91,541 | 12,10,097 | 14,01,638 | 98680 | 642199 | 740879 | 103175 | 696987 | 800162 | कोलकाता* |
| 27 | Kollam | 38,606 | 2,35,400 | 2,74,006 | 39346 | 264944 | 304290 | 39346 | 264944 | 304290 | कोल्लम |
| 28 | Kota | 41,691 | 6,12,350 | 6,54,041 | 43875 | 666800 | 710675 | 45883 | 717807 | 763690 | कोटा |
| 29 | Kozhikoda | 50,121 | 3,62,183 | 4,12,304 | 51030 | 394332 | 445362 | 51030 | 394332 | 445362 | कोझीकोड |
| 30 | Lucknow | 47,878 | 16,61,784 | 17,09,662 | 53330 | 1764765 | 1818095 | 54122 | 1924223 | 1978345 | लखनऊ |
| 31 | Madurai | 71,460 | 8,83,433 | 9,54,893 | 73108 | 883433 | 956541 | 75194 | 962045 | 1037239 | मदुरै |
| 32 | Malappuram | 63,111 | 2,13,654 | 2,76,765 | 64259 | 239524 | 303783 | 64293 | 259563 | 323856 | मल्लापुरम् |
| 33 | Meerut | 25,534 | 4,99,701 | 5,25,235 | 27165 | 539540 | 566705 | 27638 | 595921 | 623559 | मेरठ |
| 34 | Nagpur | 55,087 | 12,20,488 | 12,75,575 | 72559 | 1402658 | 1475217 | 79568 | 1447209 | 1526777 | नागपुर |
| 35 | Nashik | 44,949 | 5,77,257 | 6,22,206 | 46573 | 630491 | 677064 | 37022 | 670896 | 707918 | नासिक |
| 36 | Palakkad | - | - | - | 34628 | 217849 | 252477 | 33925 | 233289 | 267214 | पालाक्कड़ |
| 37 | Patna | 1,09,009 | 9,09,789 | 10,18,798 | 123547 | 1012528 | 1136075 | 135801 | 1122105 | 1257906 | पटना |
| 38 | Pune | 1,28,658 | 22,08,427 | 23,37,085 | 137668 | 2380965 | 2518633 | 164560 | 2552762 | 2717322 | पुणे |
| 39 | Raipur | 1,07,580 | 10,04,165 | 11,11,745 | 115427 | 1097801 | 1213228 | 111521 | 1212361 | 1323882 | रायपुर |
| 40 | Rajkot | 69,358 | 9,10,065 | 9,79,423 | 124334 | 1679364 | 1803698 | 128439 | 1797866 | 1926305 | राजकोट |
| 41 | Ranchi | 75,704 | 4,71,332 | 5,47,036 | 112847 | 499928 | 612775 | 89980 | 670069 | 760049 | रांची |
| 42 | Srinagar | 50,215 | 1,85,399 | 2,35,614 | 54067 | 218301 | 272368 | 55115 | 236300 | 291415 | श्रीनगर |
| 43 | Surat | 1,88,474 | 22,70,637 | 24,59,111 | 197967 | 2467627 | 2665594 | 207281 | 2679669 | 2886950 | सूरत |
| 44 | Thiruvananthapur | 64,635 | 5,07,321 | 5,71,956 | 69783 | 545899 | 615682 | 88743 | 724169 | 812912 | तिरुवनंतपुरम |
| 45 | Thrissur | 51,727 | 3,03,764 | 3,55,491 | 55722 | 334385 | 390107 | 55722 | 334385 | 390107 | त्रिशूर |
| 46 | Tirchy | 52,897 | 7,10,499 | 7,63,396 | 53840 | 710499 | 764339 | 56876 | 774525 | 831401 | तिरुचिरापल्ली |
| 47 | Vadodara | 86,248 | 9,55,570 | 10,41,818 | 167962 | 1727188 | 1895150 | 176130 | 1845558 | 2021688 | वडोदरा |
| 48 | Varanasi | 61,194 | 7,07,575 | 7,68,769 | 64088 | 713042 | 777130 | 69157 | 837676 | 906833 | वाराणसी |
| 49 | Vijayawada | 75,675 | 5,34,646 | 6,10,321 | 83442 | 579576 | 663018 | 83442 | 579576 | 663018 | विजयवाड़ा |
| 50 | Visakhapatnam | 65,494 | 6,65,378 | 7,30,872 | 71010 | 711580 | 782590 | 71010 | 711580 | 782590 | विशाखापट्टम |
| | **Total** | **52,24,918** | **6,10,18,864** | **6,62,43,782** | **54,39,371** | **6,54,89,191** | **70928562** | **5992237** | **71211612** | **77203849** | **कुल** |

Source: Transport Research Wing, Ministry of Road Transport & Highways/स्रोत : परिवहन अनुसंधान प्रकोष्ठ, सड़क परिवहन एवं राजमार्ग मंत्रालय

# Includes other vehicles which are not covered in 'Transport Vehicles' P: Provisional/अनंतिम * Includes motor cycles on hire

**Statement 5.15 : Cargo Movement on Waterways**
**विवरण 5.15 : जलमार्गों पर कार्गो का संचलन**

| STRETCH स्ट्रेच | | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | Type of cargo moved संचलित कार्गो का प्रकार |
|---|---|---|---|---|---|---|---|
| **National Waterways-1** राष्ट्रीय जलमार्ग-1 The Ganga गंगा | **Lakh Tonne (लाख टन में)** | 33.49 | 50.5 | 62.37 | 45.05 | 54.79 | Cement, Fly Ash, Iron Ore Fines, Coal, Steel Shed, Tyres, Iron fines, Iron Ingots, Galvanized Steel Plain Sheet, Stone Chips, Furnace oil, HF HSD, Lube Oil, Boulder, Pulses, Aluminium block, Sand, Clips, Ship block, Log, Pulses, Manganese Ore, Petroleum Coke, Cooking coal, Rock Phosphate, Timber, Peas, Slag oil, Non cooking coal ODC & Etc. |
| | **Total km (in lakh) कुल किलो मीटर (लाख में)** | 18512 | 22636 | 26995 | 24598 | 27773 | |
| **National Waterways-2** राष्ट्रीय जलमार्ग-2 The Brahmaputra ब्रह्मपुत्र | **Lakh Tonne (लाख टन में)** | 24.75 | 24.92 | 25.84 | 25.91 | 26.01 | Transformers of power grid, Transmission equipments ,Goods, Passengers,Bicycle, bikes,live stockBamboo, Bamboo products, Coal, Plant & machinery, Cement, Building material, fertilizer, Food grains, Milk & other essential commodities etc. |
| | **Total km (in lakh) कुल किलो मीटर (लाख में)** | 594 | 508 | 505 | 503 | 504.36 | |
| **National Waterways-3** राष्ट्रीय जलमार्ग-3 West Coast Canal पश्चिम तट नहर | **Lakh Tonne (लाख टन में)** | 10.66 | 8.44 | 10.61 | 10.33 | 4.28 | Phosphoric Acid & Stone aggregates, Sulphur, Zinc, Furnace oil, Rock Phosphate, Various commodities in containers, Furnance oil-bunkering, POL (bunkering to ships), Potable water, Lime shell with clay and other impurities, Liquid Effluent. |
| | **TKM (in lakh) टी के एम(लाख में)** | 116 | 92 | 105 | 109 | 81.14 | |
| **Sub Total of National Waterways(1+2+3) राष्ट्रीय जलमार्ग का उप जोड़ (1+2+3)** | **Lakh Tonne (लाख टन में)** | **68.90** | **83.86** | **98.82** | **81.29** | **85.08** | |
| | **Total km (in lakh) कुल किलो मीटर (लाख में)** | **19222** | **23236** | **27605** | **25210** | **28358.50** | |
| **The GOA Waterways-4 गोवा जलमार्ग-4** | **Lakh Tonne (लाख टन में)** | 5.99 | 7.94 | 49.75 | 157.68 | 111.62 | Iron ore, iron ore pellets, coal & pig iron. |
| | **Total km (in lakh) कुल किलो मीटर (लाख में)** | 270 | 340 | 1987 | 7884 | 5581.06 | |

## Statement 5.15 : Cargo Movement on Waterways
## विवरण 5.15 : जलमार्गों पर कार्गो का संचलन

| STRETCH स्ट्रेच | | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | Type of cargo moved संचलित कार्गो का प्रकार |
|---|---|---|---|---|---|---|---|
| Maharashtra Waterways-5 महाराष्ट्र जलमार्ग-5 | Lakh Tonne (लाख टन में) | 247.74 | 273.57 | 288.49 | 348.90 | 379.04 | Coal, cement, bauxite, iron ore pellets, stone, HR steel, project cargo and related raw material, Sulphur, rock phosphate, cement, lime stone & clinker etc. |
| | TKM (in lakh) टी के एम(लाख में) | 4691 | 4892 | 5005 | 6428 | 6882 | |
| Gujarat Waterways (from Oct. 2017) | Lakh Tonne (लाख टन में) | | | | | 115.20 | |
| | TKM (in lakh) टी के एम(लाख में) | | | | | 1728.00 | |
| **Grand Total(1+2+3+4+5) कुल योग (1+2+3+4+5)** | **Lakh Tonne (लाख टन में)** | **322.63** | **365.37** | **437.06** | **587.87** | **690.94** | |
| | **Total km (in lakh) कुल किलो मीटर (लाख में)** | **24183** | **28468** | **34597** | **39522** | **42549.56** | |

Source:Inland Waterways Authority of India for National Waterways, Ministry of Shipping

स्रोत : अंतर्देशीय जल परिवहन की सांख्यिकी, पोतपरिवहन मंत्रालय

Data for Goa Waterways include the data received from Ports department, Govt. of Goa and the data from the Mormugao Port Trust (MPT).

Data for Maharashtra Waterways received from Maharashtra Maritime Board (M.M.B)

MT : Million tonne TKM : Tonne Kms BTKM : Billion Tonnes Km

## Statement 5.16 : Statistics related to Indian Shipping
## विवरण 5.16 : भारतीय पोतपरिवहन से संबंधित सांख्यिकी

('000 metric tonnes/ मीट्रिक टन)

| Year वर्ष | Coastal तटीय | | | Overseas समुद्रपारीय | | | Total कुल | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of Vessels जलयानों की संख्या | Gross Registered tonnage सकल पंजीकृत टनभार | Average Gross Registered tonnage औसत सकल पंजीकृत टनभार | No. of Vessels जलयानों की संख्या | Gross Registered tonnage सकल पंजीकृत टनभार | Average Gross Registered tonnage औसत सकल पंजीकृत टनभार | No. of Vessels जलयानों की संख्या | Gross Registered tonnage सकल पंजीकृत टनभार | Average Gross Registered tonnage औसत सकल पंजीकृत टनभार |
| 1980 | 58 | 253 | 4.4 | 325 | 5426 | 16.7 | 383 | 5679 | 14.8 |
| 1985 | 95 | 296 | 3.1 | 273 | 5654 | 20.7 | 368 | 5950 | 16.2 |
| 1990 | 162 | 523 | 3.2 | 256 | 5504 | 21.5 | 418 | 6027 | 14.4 |
| 1995 | 219 | 698 | 3.2 | 251 | 6304 | 25.1 | 470 | 7002 | 14.9 |
| 2000 | 312 | 709 | 2.3 | 237 | 6244 | 26.3 | 549 | 6953 | 12.7 |
| 2001 | 329 | 731 | 2.2 | 228 | 6237 | 27.4 | 557 | 6968 | 12.5 |
| 2002 | 424 | 805 | 1.9 | 193 | 5402 | 28.0 | 617 | 6207 | 10.1 |
| 2003 | 429 | 806 | 1.9 | 196 | 5817 | 29.7 | 625 | 6623 | 10.6 |
| 2004 | 454 | 808 | 1.8 | 215 | 6893 | 32.1 | 669 | 7701 | 11.5 |
| 2005 | 485 | 816 | 1.7 | 236 | 7427 | 31.5 | 721 | 8243 | 11.4 |
| 2006 | 526 | 841 | 1.6 | 250 | 7576 | 30.3 | 776 | 8417 | 10.8 |
| 2007 | 573 | 893 | 1.6 | 277 | 8136 | 29.4 | 850 | 9030 | 10.6 |
| 2008 | 616 | 964 | 1.6 | 296 | 8346 | 28.2 | 912 | 9310 | 10.2 |
| 2009 | 662 | 980 | 1.5 | 312 | 8499 | 27.2 | 974 | 9479 | 9.7 |
| 2010 | 700 | 1013 | 1.4 | 340 | 9152 | 26.9 | 1040 | 10165 | 9.8 |
| 2011 | 750 | 1048 | 1.4 | 372 | 10013 | 26.9 | 1122 | 11061 | 9.9 |
| 2012 | 804 | 1086 | 1.4 | 350 | 9331 | 26.7 | 1154 | 10417 | 9.0 |
| 2013 | 835 | 1135 | 1.4 | 364 | 9248 | 25.0 | 1199 | 10383 | 8.7 |
| 2014 | 846 | 1218 | 1.4 | 358 | 9090 | 25.0 | 1204 | 10309 | 8.6 |
| 2015 | 873 | 1502 | 1.7 | 373 | 9006 | 24.1 | 1246 | 10508 | 8.4 |
| 2016 | 898 | 1518 | 1.7 | 403 | 9907 | 24.6 | 1301 | 11425 | 8.8 |
| 2017 | 928 | 1469 | 1.6 | 443 | 10883 | 24.6 | 1371 | 12352 | 9.0 |
| 2018 | 944 | 1479 | 1.6 | 456 | 11204 | 24.6 | 1400 | 12683 | 9.1 |

Source: Indian Shipping Statistics 2018, Ministry of Shipping

स्रोत : भारतीय पोतपरिवहन सांख्यिकी 2018, पोतपरिवहन मंत्रालय

**Statement 5.17: Statistics related to Indian Railways**

**विवरण 5.17 : भारतीय रेल से संबंधित सांख्यिकी**

| | 1950-51 | 1960-61 | 1970-71 | 1980-81 | 1990-91 | 2000-01 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 (P) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Route Kilometres (000's) | | | | | | | | | | | | | | | 1. मार्ग (000' कि.मी.) |
| Electrified | 0.4 | 0.8 | 3.7 | 5.4 | 10.0 | 14.9 | 19.6 | 20.3[b] | 20.9[b] | 21.6[b] | 22.2[b] | 23.6[b] | 25.4[b] | 29.3[b] | विद्युतीकृत |
| Total | 53.6 | 56.2 | 59.8 | 61.2 | 62.4 | 63.0 | 64.4 | 64.6[b] | 65.4[b] | 65.8[b] | 66.0[b] | 66.7[b] | 67.4[b] | 68.4[b] | कुल |
| 2. Originating traffic (million tonnes) | | | | | | | | | | | | | | | 2. उद्गम यातायात (मिलियन टन) |
| Revenue Earning | 73.2 | 119.8 | 167.9 | 195.9 | 318.4 | 473.5 | 921.7[a] | 969.1[a] | 1008.1[a] | 1051.6[a] | 1095.3[a] | 1101.5[a] | 1106.15[a] | 1159.55[a] | राजस्व अर्जन |
| Total Traffic | 93.0 | 156.2 | 196.5 | 220.0 | 341.4 | 504.2 | 926.4[a] | 975.2[a] | 1014.2[a] | 1058.8[a] | 1101.1[a] | 1108.6[a] | 1110.95[a] | 1162.64[a] | कुल यातायात |
| 3. Goods carried (billion tonne km.) | | | | | | | | | | | | | | | 3. माल की ढुलाई (बिलियन टन कि.मी.) |
| Revenue Earning | 37.6 | 72.3 | 110.7 | 147.7 | 235.8 | 312.4 | 625.7[a] | 667.6 | 691.7[a] | 665.8[a] | 681.7[a] | 654.5[a] | 620.18[a] | 692.92[a] | राजस्व अर्जन |
| Total Traffic | 44.1 | 87.7 | 127.4 | 158.5 | 242.7 | 315.5 | 626.5[a] | 668.6 | 692.6[a] | 666.7[a] | 682.6[a] | 655.6[a] | 620.86[a] | 693.28[a] | कुल यातायात |
| 4. Earnings from goods carried (Rs. Crore) | 139.3 | 280.5 | 600.7 | 1550.9 | 8247.0 | 23045.4 | 60687.1[a] | 67761.4[a] | 83478.8[a] | 91570.9[a] | 103015.2[a] | 106940.6[a] | 102027.8[a] | 113523.5[a] | 4. माल की ढुलाई से अर्जन (करोड़ रुपए में) |
| 5. Average Lead: all goods traffic (Km) | 470 | 561 | 648 | 720 | 711 | 626 | 676 | 686 | 683 | 630 | 620 | 591 | 559 | 598 | 5. औसत लोड: सभी माल यातायात (किलोमीटर) |
| 6. Average rate/tonne km. (paise) | 3.2 | 3.9 | 5.4 | 10.5 | 35.0 | 73.8 | 97.0 | 101.5 | 120.7 | 137.5 | 151.2 | 163.4 | 164.51 | 163.83 | 6. औसत दर/टन किलोमीटर (पैसा) |
| 7. Passengers Originating (million) | 1284 | 1594 | 2431 | 3613 | 3858 | 4833 | 7651.1 | 8224.4[b] | 8420.7[b] | 8397.1[b] | 8224.1[b] | 8107.3[b] | 8116.1[b] | 8285.8[b] | 7. उद्गम यात्री (मिलियन) |
| 8. Passengers kilometres (billion) | 66.5 | 77.7 | 118.1 | 208.6 | 295.6 | 457 | 978.5 | 1046.5[b] | 1098.1[b] | 1158.7[b] | 1147.2[b] | 1143.0[b] | 1149.83[b] | 1177.7[b] | 8. यात्री कि.मी. (बिलियन) |
| 9. Passengers Earnings (Rs. Crore) | 98.2 | 131.6 | 295.5 | 827.5 | 3144.7 | 10515.1[b] | 25792.6[b] | 28246.4[b] | 31322.8[b] | 36532.3[b] | 42189.6[b] | 44283.3[b] | 46280.4[b] | 48643.1[b] | 9. यात्री अर्जन (करोड़ रुपए में) |
| 10. Average lead : passenger traffic (km) | 51.8 | 48.7 | 48.6 | 57.7 | 76.6 | 94.6 | 127.9 | 127.2[b] | 130.4[b] | 135.8[b] | 139.5[b] | 141.0[b] | 141.7[b] | 142.1[b] | 10. औसत लोड : यात्री यातायात (कि.मी.) |
| 11. Average rate per passenger - kilometre | 1.5 | 1.7 | 2.5 | 4.0 | 10.6 | 22.9 | 26.3 | 27.0[b] | 28.5[b] | 31.5[b] | 36.8[b] | 38.7[b] | 40.3[b] | 41.3[b] | 11. औसत दर प्रति यात्री - कि.मी. (पैसा) |

Source : Ministry of Railways/स्रोत : रेल मंत्रालय

Notes: a: Excluding Konkan Railways Corporation Limited Loading b: Includes Metro Railway/Kolkata. P: Provisional /अनंतिम

**Statement 5.18: Annual total Domestic Traffic and operating statistics of Indian Air Transport carriers**

**विवरण 5.18 : भारतीय हवाई परिवहन कैरियर्स का कुल वार्षिक घरेलू यातायात एवं प्रचालन सांख्यिकी**

| Year वर्ष | Aircraft flow एयरक्राफ्ट | | | Passengers | | Available seat Kms. (Million) उपलब्ध सीट कि.मी. (मिलियन) | Pax. load factor (%) पैक्स लोड फैक्टर (प्रतिशत) | Cargo carried (Tonne) कार्गो | | | Tonne Kms. Performed (Million) टन | | | | Weight load factor (%) भार भार कारक का प्रतिशत |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Departures (Nos.) प्रस्थान (सं) | Hours (No) घंटे (संख्या) | Kms. (000) किलोमीटर (000) | Carried (No) ढुलाई (संख्या) | Kms. performed (Million) निष्पादित कि.मी. (मिलियन) | | | Frieght फ्रेट | Mail मेल | Total कुल | Pax पैक्स | Fright भीति | Mail मेल | Total कुल | |
| **2007-08** | 5,20,731 | 8,05,934 | 4,39,378 | 4,43,84,302 | 40,697 | 57,901 | 70.3 | 2,82,288.0 | 20,277.2 | 3,02,565.2 | 3,637.1 | 271.8 | 21.4 | 3,930.4 | 65.7 |
| **2008-09** | 5,09,567 | 8,08,442 | 4,26,099 | 3,94,67,072 | 37,704 | 59,160 | 63.7 | 2,52,971.0 | 24,637.0 | 2,77,608.0 | 3,259.7 | 236.4 | 23.8 | 3,520.0 | 59.6 |
| **2009-10** | 5,12,923 | 8,20,991 | 4,12,594 | 4,53,37,263 | 43,959 | 61,091 | 72.0 | 2,98,245.0 | 29,658.5 | 3,27,903.5 | 3,705.9 | 285.6 | 28.6 | 4,020.0 | 65.6 |
| **2010-11** | 5,31,052 | 8,92,630 | 4,38,559 | 5,38,42,538 | 52,707 | 68,216 | 77.3 | 3,60,766.0 | 21,278.8 | 3,82,044.8 | 4,363.3 | 374.9 | 20.3 | 4,758.4 | 70.2 |
| **2011-12** | 6,00,509 | 9,87,925 | 5,00,233 | 6,08,37,455 | 59,084 | 78,639 | 75.1 | 3,45,248.3 | 15,464.0 | 3,60,712.3 | 5,066.0 | 375.0 | 18.1 | 5,459.1 | 68.0 |
| **2012-13** | 5,54,058 | 9,03,441 | 4,74,810 | 5,78,67,052 | 56,739 | 76,148 | 74.5 | 3,68,873.3 | 4,220.6 | 3,73,093.8 | 4,857.2 | 424.3 | 16.9 | 5,298.4 | 67.6 |
| **2013-14** | 5,88,630 | 9,74,029 | 4,99,923 | 6,06,68,409 | 59,139 | 80,716 | 73.3 | 5,05,284.0 | 3,660.0 | 5,08,944.0 | 5,101.5 | 554.1 | 18.4 | 5,674.0 | 67.6 |
| **2014-15** | 6,16,920 | 10,12,899 | 5,28,582 | 7,00,83,961 | 67,023 | 84,805 | 79.0 | 5,64,539.8 | 27,379.0 | 5,91,918.8 | 5,841.8 | 633.1 | 27.3 | 6,502.2 | 73.1 |
| **2015-16** | 6,99,921 | 11,60,023 | 6,24,853 | 8,51,97,675 | 80,966 | 97,728 | 82.8 | 5,90,793.7 | 32,770.9 | 6,23,564.7 | 7,037.2 | 663.9 | 34.0 | 7,735.1 | 73.7 |
| **2016-17** | 8,10,194 | 13,59,242 | 7,21,349 | ########## | 98,641 | 1,16,945 | 84.3 | 6,01,798.3 | 35,999.2 | 6,37,797.5 | 8,557.4 | 675.5 | 36.4 | 9,269.3 | 73.6 |
| **2017-18** | 9,22,339 | 15,65,388 | 8,26,155 | ########## | 1,17,042 | 1,34,541 | 87.0 | 6,60,016.3 | 36,513.4 | 6,96,529.8 | 10,184.3 | 754.6 | 37.2 | 10,976.2 | 75.2 |

Source: Air Traffic Statistics,Directorate General of Civil Aviation, Ministry of Civil Aviation

स्रोत : हवाई परिवहन सांख्यिकी, नागर विमानन महानिदेशालय, नागर विमानन मंत्रालय

NOTE:- Load factors have been calculated as per actuals not as rounded figures

## Statement 5.19: State-wise cases & deaths - Cholera

## विवरण 5.19 : राज्यवार मामले एवं मृत्यु - कॉलरा

| Sl. No. क्र. सं. | States/UTs | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 1 | Andhra Pradesh | 227 | | 109 | | 31 | | | | | | | | | | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | | | | | | | | | | | 9 | | | | अरुणाचल प्रदेश |
| 3 | Assam | | | | | | | | | | | | | | | असम |
| 4 | Bihar | | | | | | | | | | | | | | | बिहार |
| 5 | Chhattisgarh | 1 | | 13 | | 2 | | 20 | | 7 | | 12 | | | | छत्तीसगढ़ |
| 6 | Delhi | 380 | 7 | 111 | | 25 | | 65 | 1 | 91 | | 228 | | 137 | 2 | दिल्ली |
| 7 | Goa | | | | | | | | | | | | | 7 | | गोवा |
| 8 | Gujarat | 79 | | 71 | | 327 | 1 | 158 | | 52 | | 88 | | 94 | | गुजरात |
| 9 | Haryana | 1 | | 16 | | 16 | | 7 | | | | | | 2 | | हरियाणा |
| 10 | Himachal Pradesh | | | 3 | | | | | | | | | | | | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | | | | | | | | | | | | | | | जम्मू एवं कश्मीर |
| 12 | Jharkhand | | | | | 9 | | | | 36 | | 5 | | | | झारखंड |
| 13 | Karnataka | 166 | | 175 | | 200 | | 32 | | 14 | 2 | 33 | 1 | 15 | | कर्नाटक |
| 14 | Kerala | 19 | 1 | 4 | 1 | 23 | | 3 | | | | 7 | | 8 | 1 | केरल |
| 15 | Madhya Pradesh | | | 12 | | 8 | | 17 | | 104 | | 42 | 1 | | | मध्य प्रदेश |
| 16 | Maharashtra | 210 | 2 | 317 | | 293 | 1 | 252 | 2 | 213 | 1 | 107 | | 103 | | महाराष्ट्र |
| 17 | Manipur | | | | | | | | | | | | | | | मणिपुर |
| 18 | Meghalaya | | | | | | | 1 | 1 | | | | | | | मेघालय |
| 19 | Mizoram | | | | | | | | | 26 | | | | | | मिजोरम |
| 20 | Nagaland | | | | | | | | | | | | | | | नागालैंड |
| 21 | Odisha | | | | | | | | | 2 | | | | | | ओडिशा |
| 22 | Punjab | 9 | | | | | | | | | | | | | | पंजाब |
| 23 | Rajasthan | | | | | 5 | | 56 | | 3 | | 2 | | 17 | | राजस्थान |
| 24 | Sikkim | | | | | | | | | | | | | | | सिक्किम |

## Statement 5.19: State-wise cases & deaths - Cholera

## विवरण 5.19 : राज्यवार मामले एवं मृत्यु - कॉलरा

| Sl. No. क्र. सं. | States/UTs | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 25 | Tamil Nadu | 580 | | 523 | | 42 | 3 | 14 | | 15 | | 3 | | 5 | | तमिलनाडु |
| 26 | Telangana | | | | | | | | | | | | | 8 | | तेलंगाना |
| 27 | Tripura | | | | | | | | | | | | | | | त्रिपुरा |
| 28 | Uttara Pradesh | | | | | | | | | 47 | | | | 1 | | उत्तर प्रदेश |
| 29 | Uttrakhand | 9 | | | | 1 | | | | | | | | | | उत्तराखंड |
| 30 | West Bengal | 652 | | 181 | | 120 | | 173 | | 155 | | 157 | | 89 | | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | | | | | | | | | | | | | | | अंडमान एवं निकोबार दवीपसमूह |
| 32 | Chandigarh | | | | | | | 15 | | 133 | | 10 | | 8 | | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | 8 | | 33 | | 25 | | 28 | 1 | 14 | 1 | 15 | 1 | | | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | | | | | | | | | | | | | | | दमन एवं दीव |
| 35 | Lakshadweep | | | | | | | | | | | | | | | लक्षद्वीप |
| 36 | Puduchery | | | 15 | | 3 | | 3 | | 1 | | | | | | पुद्दुचेरी |
| | **Total** | **2341** | **10** | **1583** | **1** | **1130** | **5** | **844** | **5** | **913** | **4** | **718** | **3** | **494** | **3** | **कुल** |

Source: National Health Profile of India,Central Bureau of Health Intelligence, MOHFW.

स्रोत : भारतीय राष्ट्रीय स्वास्थ्य प्रोफाइल, केंद्रीय स्वास्थ्य आसूचना ब्यूरो, स्वास्थ्य एवं परिवार कल्याण मंत्रा

P: Provisional/अनंतिम

Note: 1. 10 districts of Telangana are included in Andhra Pradesh till July 2014

2. Blank cells indicate nil

## Statement 5.20: State-wise cases and deaths - Acute Diarrhoeal Disease
## विवरण 5.20 : राज्यवार मामले एवं मौतें - तीव्र अतिसार रोग

| Sl. No. क्र. सं. | State/UT | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 1 | Andhra Pradesh** | 2235614 | 107 | 2092340 | 100 | 1855496 | 110 | 1332145 | 10 | 1122740 | 5 | 1194005 | 11 | 1163707 | 50 | आंध्र प्रदेश** |
| 2 | Arunachal Pradesh | 32228 | 11 | 44570 | 7 | 30756 | 3 | 12657 | 5 | 10834 | 4 | 12746 | 2 | 23888 | 2 | अरुणाचल प्रदेश |
| 3 | Assam | 96816 | 16 | 134295 | 147 | 105876 | 147 | 83373 | 73 | 128392 | 121 | 88736 | 282 | 165347 | 239 | असम |
| 4 | Bihar | 130276* | | 493559 | 8 | 550281 | 24 | 550038 | 24 | 455125 | 36 | 389399 | 8 | 309289 | 19 | बिहार |
| 5 | Chhattisgarh | 64575 | 5 | 108238 | 26 | 104966 | 37 | 115561 | 32 | 132278 | 13 | 157064 | 33 | 180398 | 25 | छतीसगढ़ |
| 6 | Delhi | 102983 | 62 | 136567 | 98 | 129367 | 62 | 120618 | 77 | 157445 | 96 | 137664 | 115 | 128585 | 117 | दिल्ली |
| 7 | Goa | 15146 | 2 | 13696 | 1 | 16485 | | 16097 | 4 | 13204 | 1 | 15740 | 4 | 20706 | 11 | गोवा |
| 8 | Gujarat | 367450 | | 410508 | 7 | 427523 | 8 | 504857 | 3 | 567123 | 3 | 640602 | | 667459 | 28 | गुजरात |
| 9 | Haryana | 224223 | 21 | 215111 | 27 | 168527 | 27 | 197898 | 8 | 190390 | 4 | 224780 | 14 | 236752 | 20 | हरियाणा |
| 10 | Himachal Pradesh | 310227 | 51 | 338708 | 58 | 349904 | 56 | 350459 | 52 | 334168 | 41 | 310749 | 56 | 314463 | 26 | हिमाचल प्रदेश |
| 11 | Jammu Division | 342670 | | 550645 | 2 | 381062 | 1 | 333498 | | 284415 | 2 | 330530 | | 320401 | 5 | जम्मू डिवीजन |
| 12 | Jharkhand | 98258 | 1 | 72170 | 6 | 81045 | 4 | 81451 | 17 | 81934 | | 94748 | | 91326 | | झारखंड |
| 13 | Karnataka | 591989 | 49 | 582347 | 84 | 545794 | 81 | 810781 | 12 | 832356 | 13 | 930452 | 4 | 917488 | 15 | कर्नाटक |
| 14 | Kashmir Division | 202041 | | | | 210169 | | 181515 | | 188428 | | 203811 | | 191975 | | कश्मीर डिवीजन |
| 15 | Kerala | 260938 | | 360743 | 10 | 372440 | 12 | 402106 | 9 | 428374 | 2 | 477435 | 15 | 452859 | 6 | केरल |
| 16 | Madhya Pd. | 290705 | 92 | 488743 | 91 | 535012 | 89 | 768021 | 112 | 740690 | 74 | 782421 | 122 | 698396 | 102 | मध्य प्रदेश |
| 17 | Maharashtra | 507046 | 4 | 457001 | 1 | 527115 | | 664014 | 4 | 877638 | 27 | 1051445 | 52 | 611920 | 23 | महाराष्ट्र |
| 18 | Manipur | 17605 | 39 | 27469 | 56 | 25333 | 37 | 29954 | 32 | 29159 | 23 | 33193 | 21 | 32085 | 18 | मणिपुर |
| 19 | Meghalaya | 148801 | 20 | 201819 | 19 | 186023 | 12 | 197024 | 29 | 167691 | 32 | 167687 | 30 | 124461 | 4 | मेघालय |
| 20 | Mizoram | 16192 | 11 | 15957 | 7 | 13518 | 12 | 14201 | 10 | 14215 | 11 | 14849 | 16 | 15885 | 11 | मिजोरम |
| 21 | Nagaland | 30458 | 1 | 20939 | | 21672 | | 22301 | | 15511 | | 17539 | | 14638 | 3 | नागालैंड |
| 22 | Odisha | 632493 | 143 | 743493 | 235 | 656838 | 217 | 767575 | 190 | 782151 | 139 | 781917 | 104 | 626421 | 78 | ओडिशा |

## Statement 5.20: State-wise cases and deaths - Acute Diarrhoeal Disease
## विवरण 5.20 : राज्यवार मामले एवं मौतें - तीव्र अतिसार रोग

| Sl. No. क्र. सं. | State/UT | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 23 | Punjab | 190022 | 15 | 197059 | 27 | 183533 | 13 | 170438 | 22 | 179211 | 37 | 195281 | 44 | 203510 | 35 | पंजाब |
| 24 | Rajasthan | 227571 | 7 | 508512 | 12 | 545293 | 18 | 676832 | 17 | 810518 | 13 | 898033 | 7 | 971113 | 1 | राजस्थान |
| 25 | Sikkim | 44094 | 2 | 53516 | | 42410 | 1 | 39983 | 2 | 53295 | 3 | 49691 | | 39624 | | सिक्किम |
| 26 | Tamil Nadu | 210074 | 24 | 199930 | 17 | 278701 | 23 | 250264 | 14 | 308358 | 8 | 369325 | 9 | 407678 | 2 | तमिलनाडु |
| 27 | Telangana | | | | | | | | | 963573 | 20 | 1007284 | 19 | 487099 | 1 | तेलंगाना |
| 28 | Tripura | 109777 | 83 | 98417 | 22 | 92826 | 17 | 80388 | 22 | 88064 | 5 | 97653 | 6 | 77434 | 6 | त्रिपुरा |
| 29 | Uttar Pradesh | 79643 | 26 | 101927 | 21 | 828367 | 272 | 754582 | 301 | 814481 | 320 | 1102042 | 304 | 1219071 | 302 | उत्तर प्रदेश |
| 30 | Uttarakhand | 554770 | 185 | 740328 | 254 | 84792 | 12 | 90428 | 14 | 108974 | 6 | 111084 | 7 | 98780 | 6 | उत्तराखंड |
| 31 | West Bengal | 1854651 | 288 | 2033180 | 280 | 1830310 | 302 | 1896182 | 200 | 1798754 | 196 | 2052123 | 192 | 1888794 | 115 | पश्चिम बंगाल |
| 32 | Andaman And Nicobar Island | 19679 | | 33513 | 3 | 29391 | | 23947 | 2 | 22398 | | 23547 | | 15357 | | अंडमान एवं निकोबार दीपसमूह |
| 33 | Chandigarh | 42615 | | 38218 | | 44664 | 2 | 39277 | 29 | 45284 | 90 | 49891 | 61 | 51453 | 42 | चंडीगढ़ |
| 34 | Dadra And Nagar Haveli | 81322 | 1 | 74007 | | 62259 | | 63337 | | 51195 | 4 | 43280 | 12 | 42231 | 12 | दादरा एवं नगर हवेली |
| 35 | Daman & Diu | 12638 | | 12559 | | 8615 | 2 | 12831 | | 18169 | 2 | 13062 | | 15291 | | दमन एवं दीव |
| 36 | Lakshadweep | 4693 | | 5461 | | 7496 | | 6750 | | 4472 | | 4387 | | 6968 | | लक्षद्वीप |
| 37 | Puducherry | 80766 | 3 | 96210 | 21 | 79751 | 28 | 87248 | 11 | 92599 | 2 | 92379 | 5 | 94360 | 7 | पुद्दुचेरी |
| | **Total** | **10231049** | **1269** | **11701755** | **1647** | **11413610** | **1629** | **11748631** | **1337** | **12913606** | **1353** | **14166574** | **1555** | **12927212** | **1331** | **कुल** |

Source: National Health Profile of India,Central Bureau of Health Intelligence, MOHFW.

स्रोत : भारतीय राष्ट्रीय स्वास्थ्य प्रोफाइल, केंद्रीय स्वास्थ्य आसूचना ब्यूरो, स्वास्थ्य एवं परिवार कल्याण मंत्रालय

* : Data of only small number of districts - : Not Reported **Excludes data of 10 districts of Telangana from July 2014 Onwards

Note:1. 10 districts of Telangana are included in Andhra Pradesh till July 2014 2. Blank cells indicate nil P: Provisional/अनंतिम

## Statement 5.21: State-wise cases and deaths - Enteric Fever (Typhoid)
## विवरण 5.21 : राज्यवार मामले एवं मौतें - आंत्र ज्वर (टायफ़ायड)

| Sl. No. क्र. सं. | State/UT | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 1 | Andhra Pradesh** | 180297 | 6 | 279816 | 37 | 256458 | 6 | 186446 | 5 | 146385 | | 170249 | | 159809 | 17 | आंध्र प्रदेश** |
| 2 | Arunachal Pradesh* | 7885 | 9 | 11821 | 10 | 7359 | 4 | 4512 | 3 | 4476 | 10 | 4582 | 1 | 3553 | | अरुणाचल प्रदेश* |
| 3 | Assam | 4541 | 5 | 12016 | 10 | 6521 | | 5328 | 29 | 11333 | 9 | 19328 | | 15137 | 122 | असम |
| 4 | Bihar* | 14787 | | 142341 | 3 | 261791 | 2 | 283679 | 4 | 265469 | 1 | 201672 | 2 | 171233 | 2 | बिहार* |
| 5 | Chhattisgarh* | 42115 | 1 | 54417 | 6 | 27457 | 2 | 32617 | 1 | 47970 | 1 | 74632 | 8 | 75227 | 3 | छत्तीसगढ़* |
| 6 | Delhi | 42976 | 55 | 47957 | 71 | 32691 | 29 | 27339 | 14 | 30698 | 16 | *31225* | *55* | 18368 | 17 | दिल्ली |
| 7 | Goa | 285 | | 290 | | 355 | | 573 | | 1603 | 1 | 724 | | 346 | | गोवा |
| 8 | Gujarat | 14371 | | 24325 | | 22962 | 1 | 29505 | | 35362 | 1 | 45970 | | 45942 | | गुजरात |
| 9 | Haryana | 25469 | 1 | 34427 | 1 | 27115 | | 29990 | 1 | 31965 | | 35969 | | 48581 | 4 | हरियाणा |
| 10 | Himachal Pradesh | 28074 | 2 | 40041 | 3 | 37128 | 2 | 48786 | 6 | 40639 | 6 | 38093 | 7 | 39692 | 12 | हिमाचल प्रदेश |
| 11 | Jammu Division | 59465 | | 68157 | | 47563 | | 36269 | 1 | 32182 | | 45520 | | 32731 | | जम्मू डिवीजन |
| 12 | Jharkhand | 27009 | 3 | 19624 | 39 | 24806 | 7 | 36663 | 7 | 28330 | 4 | 42163 | | 41144 | | झारखंड |
| 13 | Karnataka | 38727 | 2 | 55163 | 1 | 61485 | 9 | 92959 | 1 | 85837 | 1 | 97493 | 1 | 137973 | 4 | कर्नाटक |
| 14 | Kashmir Division | 22882 | | | | 23296 | | 21268 | | 20177 | | | | 13114 | | कश्मीर डिवीजन |
| 15 | Kerala | 3322 | | 4670 | 1 | 4325 | 3 | 2269 | | 2862 | | 2038 | | 2561 | | केरल |
| 16 | Madhya Pradesh | 32490 | 20 | 68280 | 29 | 114578 | 28 | 155190 | 25 | 125737 | 8 | 123075 | 21 | 106457 | 9 | मध्य प्रदेश |
| 17 | Maharashtra | 50095 | 1 | 71094 | 2 | 81458 | 1 | 102299 | | 130809 | | 137617 | | 77997 | | महाराष्ट्र |
| 18 | Manipur | 5498 | 7 | 13731 | 5 | 10927 | 17 | 10636 | 10 | 5422 | | 4942 | 2 | 4064 | | मणिपुर |
| 19 | Meghalaya | 9235 | 2 | 6916 | 10 | 9134 | 1 | 10395 | 8 | 13459 | | 14204 | | 6811 | | मेघालय |
| 20 | Mizoram | 2270 | 1 | 2062 | 1 | 2765 | 3 | 2758 | 4 | 2804 | | 2869 | 2 | 2351 | 1 | मिजोरम |

## Statement 5.21: State-wise cases and deaths - Enteric Fever (Typhoid)
## विवरण 5.21 : राज्यवार मामले एवं मौतें - आंत्र ज्वर (टायफ़ायड)

| Sl. No. क्र. सं. | State/UT | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 21 | Nagaland | 14962 | 2 | 10437 | | 12736 | | 11604 | | 7977 | | 9741 | | 8518 | 6 | नागालैंड |
| 22 | Odisha | 59903 | 104 | 73087 | 89 | 60337 | 56 | 90363 | 39 | 90895 | 45 | 74306 | 19 | 48877 | 14 | ओडिशा |
| 23 | Punjab | 36263 | 9 | 42536 | 4 | 35136 | 5 | 34651 | 1 | 34867 | 3 | 37896 | 3 | 44994 | 1 | पंजाब |
| 24 | Rajasthan | 7902 | | 27018 | 4 | 65331 | 5 | 83540 | 4 | 79244 | | 87097 | | 79017 | | राजस्थान |
| 25 | Sikkim | 551 | | 401 | | 186 | | 716 | | 453 | 2 | 482 | | 93 | | सिक्किम |
| 26 | Tamil Nadu | 50185 | | 34611 | | 31440 | 1 | 29937 | | 40579 | | 33573 | | 48836 | 14 | तमिलनाडु |
| 27 | Telangana | | | | | | | | | 163747 | | 156115 | 2 | 54695 | | तेलंगाना |
| 28 | Tripura | 3553 | | 6198 | 3 | 12849 | 1 | 10553 | | 4596 | 1 | 5715 | | 2813 | 4 | त्रिपुरा |
| 29 | Uttar Pradesh | 13760 | 1 | 28698 | 4 | 224748 | 161 | 225829 | 203 | 288140 | 221 | 503497 | 312 | 640678 | 248 | उत्तर प्रदेश |
| 30 | Uttarakhand | 117537 | 80 | 143516 | 65 | 25956 | | 28939 | 14 | 34120 | 10 | 33904 | 4 | 32367 | 7 | उत्तराखंड |
| 31 | West Bengal | 127180 | 34 | 143179 | 29 | 108695 | 39 | 90086 | 42 | 112262 | 24 | 161429 | 22 | 235013 | 6 | पश्चिम बंगाल |
| 32 | Andaman And Nicobar Island | 1343 | 1 | 1340 | 1 | 1501 | 3 | 881 | | 870 | | 838 | 1 | 660 | | अंडमान एवं निकोबार दीपसमूह |
| 33 | Chandigarh | 3190 | | 3023 | | 3251 | | 6021 | | 12447 | 88 | 12237 | 48 | 11531 | 1 | चंडीगढ़ |
| 34 | Dadra And Nagar Haveli | 2269 | | 2559 | | 4323 | | 2439 | | 1406 | | 4420 | 1 | 7820 | 1 | दादरा एवं नगर हवेली |
| 35 | Daman & Diu | 964 | | 1265 | | 888 | | 167 | | 165 | | 197 | | 480 | | दमन एवं दीव |
| 36 | Lakshadweep | 14 | | 5 | | 3 | | 3 | | 77 | | 50 | | 111 | | लक्षद्वीप |
| 37 | Puducherry | 11077 | | 2678 | | 2591 | 1 | 1477 | 3 | 2049 | | *1943* | | 1596 | | पुद्दुचेरी |
| | **Total** | **1062446** | **346** | **1477699** | **428** | **1650145** | **387** | **1736687** | **425** | **1937413** | **452** | **2215805** | **511** | **2221190** | **493** | **कुल** |

Source: National Health Profile of India,Central Bureau of Health Intelligence, MOHFW.

स्रोत : भारतीय राष्ट्रीय स्वास्थ्य प्रोफाइल, केंद्रीय स्वास्थ्य आसूचना ब्यूरो, स्वास्थ्य एवं परिवार कल्याण मंत्रालय

**Excludes data of 10 districts of Telangana from July 2014 Onwards

* : Data of only small number of districts

Note: 1 . 10 districts of Telangana are included in Andhra Pradesh till July 2014

2. Blank cells indicate nil

P: Provisional/अनंतिम

## Statement 5.22: State-wise Cases and Deaths - Viral Hepatitis
## विवरण 5.22 : राज्यवार मामले एवं मौतें - वायरल हैपेटाइटिस

| Sl. No. क्र. सं. | State/UT | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 1 | Andhra Pradesh | 11050 | 61 | 7955 | 84 | 8739 | 34 | 3716 | 1 | 3358 | 12 | 2402 | 1 | 7117 | 73 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 636 | 4 | 1520 | 4 | 588 | | 378 | 6 | 292 | 1 | 273 | 4 | 140 | 1 | अरुणाचल प्रदेश |
| 3 | Assam | 2557 | 25 | 419 | | 466 | | 2033 | 13 | 809 | 9 | 2688 | 14 | 1387 | | असम |
| 4 | Bihar | 202 | | 3094 | 2 | 6736 | 2 | 20670 | 3 | 26729 | 2 | 28401 | | 24630 | | बिहार |
| 5 | Chhattisgarh | 139 | 1 | 914 | 5 | 670 | 5 | 548 | 4 | 532 | 6 | 547 | 15 | 349 | 7 | छत्तीसगढ़ |
| 6 | Delhi | 8347 | 68 | 8184 | 66 | 8290 | 131 | 6965 | 98 | 9145 | 87 | *10323* | *104* | 13323 | 190 | दिल्ली |
| 7 | Goa* | 118 | | 92 | | 173 | | 182 | | 162 | | 121 | | 99 | 2 | गोवा* |
| 8 | Gujarat | 4328 | | 4763 | 6 | 3676 | 6 | 4808 | 7 | 3736 | | 3573 | 2 | 4195 | | गुजरात |
| 9 | Haryana | 2557 | 2 | 2686 | 1 | 1307 | 1 | 1934 | 13 | 5184 | 3 | 2228 | | 9089 | 16 | हरियाणा |
| 10 | Himachal Pradesh | 1248 | 10 | 1310 | 17 | 2023 | 14 | 2808 | 9 | 1739 | 1 | 2716 | 18 | 1001 | 2 | हिमाचल प्रदेश |
| 11 | Jammu Division | 2177 | | 3080 | | 3557 | | 2628 | | 1528 | | 1704 | | 3165 | | जम्मू डिवीजन |
| 12 | Jharkhand | 384 | 2 | 983 | | 1444 | 65 | 1052 | 1 | 1258 | 1 | 1406 | | 1854 | 4 | झारखंड |
| 13 | Karnataka | 6049 | 8 | 10789 | 26 | 5415 | 16 | 6402 | 8 | 6026 | 21 | 6013 | 17 | 5006 | 5 | कर्नाटक |
| 14 | Kashmir Division | 2952 | 2 | 2887 | | 2750 | | 2482 | | 2500 | | 1877 | | 2006 | | कश्मीर डिवीजन |
| 15 | Kerala | 5336 | 7 | 8212 | 18 | 7034 | 8 | 5567 | 4 | 3965 | 7 | 5330 | 18 | 5020 | 7 | केरल |
| 16 | Madhya Pradesh | 3851 | 12 | 12325 | 4 | 14055 | 11 | 16145 | 18 | 14030 | 25 | 14855 | 22 | 17657 | 8 | मध्य प्रदेश |
| 17 | Maharashtra | 5994 | 30 | 6175 | 21 | 5851 | 13 | 6753 | 13 | 9738 | 10 | 11762 | 6 | 3734 | 2 | महाराष्ट्र |
| 18 | Manipur | 229 | | 229 | 4 | 258 | | 443 | | 88 | | 182 | 1 | 120 | | मणिपुर |
| 19 | Meghalaya | 87 | 3 | 221 | 1 | 518 | | 643 | | 299 | | 244 | 3 | 239 | 1 | मेघालय |
| 20 | Mizoram | 812 | 14 | 914 | 15 | 419 | 10 | 194 | | 209 | 4 | 225 | 1 | 205 | 2 | मिजोरम |
| 21 | Nagaland | 64 | | 284 | | 119 | | 113 | | 76 | | 87 | | 195 | | नागालैंड |
| 22 | Odisha | 3272 | 89 | 5372 | 100 | 3743 | 90 | 5069 | 39 | 5146 | 24 | 3522 | 20 | 2886 | 38 | ओडिशा |

## Statement 5.22: State-wise Cases and Deaths - Viral Hepatitis
## विवरण 5.22 : राज्यवार मामले एवं मौतें - वायरल हैपेटाइटिस

| Sl. No. क्र. सं. | State/UT | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 23 | Punjab | 5041 | 12 | 3323 | | 3099 | 6 | 4525 | 4 | 9330 | 8 | 9831 | 7 | 13971 | 8 | पंजाब |
| 24 | Rajasthan | 967 | | 1595 | 7 | 2384 | 10 | 9719 | 3 | 3247 | | 2471 | 1 | 5321 | | राजस्थान |
| 25 | Sikkim | 484 | | 667 | 6 | 692 | 1 | 556 | | 1344 | | 1182 | | 297 | | सिक्किम |
| 26 | Tamil Nadu | 5940 | | 10628 | | 1868 | | 880 | | 1066 | 1 | 663 | | 708 | 1 | तमिलनाडु |
| 27 | Telangana | | | | | | | | | 1735 | 1 | 2270 | | 117 | | तेलंगाना |
| 28 | Tripura | 404 | | 272 | 2 | 205 | 1 | 177 | 1 | 183 | 1 | 169 | 4 | 86 | | त्रिपुरा |
| 29 | Uttar Pradesh | 7749 | 28 | 6345 | 12 | 9079 | 17 | 16037 | 50 | 11188 | 73 | 13250 | 47 | 20226 | 43 | उत्तर प्रदेश |
| 30 | Uttarakhand | 3143 | 19 | 6499 | 16 | 8619 | 11 | 9243 | 9 | 10242 | 15 | 10930 | 16 | 10900 | 18 | उत्तराखंड |
| 31 | West Bengal | 5480 | 105 | 4097 | 102 | 4967 | 91 | 4444 | 63 | 3948 | 83 | 2900 | 114 | 2946 | 51 | पश्चिम बंगाल |
| 32 | Andaman And Nicobar Island | 208 | 5 | 172 | 9 | 231 | 11 | 262 | 9 | 123 | 1 | 182 | | 72 | | अंडमान एवं निकोबार दीपसमूह |
| 33 | Chandigarh | 1309 | | 1751 | | 424 | 1 | 766 | 21 | 1249 | 27 | 1179 | 7 | 1240 | 21 | चंडीगढ़ |
| 34 | Dadra And Nagar Haveli | 269 | | 159 | | 90 | 2 | 32 | | 48 | 6 | 7 | 2 | 18 | 4 | दादरा एवं नगर हवेली |
| 35 | Daman & Diu | 484 | | 192 | 4 | 184 | 7 | 65 | | 77 | 2 | 31 | | 63 | | दमन एवं दीव |
| 36 | Lakshadweep | 15 | 1 | 17 | | 5 | | 16 | | 12 | | 10 | | 5 | | लक्षद्वीप |
| 37 | Puducherry | 520 | 12 | 755 | 19 | 447 | 10 | 299 | 3 | 520 | 4 | *416* | *7* | 288 | 3 | पुद्दुचेरी |
| | **Total** | **94402** | **520** | **118880** | **551** | **110125** | **574** | **138554** | **400** | **140861** | **435** | **145970** | **451** | **159675** | **507** | **कुल** |

Source: National Health Profile of India,Central Bureau of Health Intelligence, MOHFW.

स्रोत : भारतीय राष्ट्रीय स्वास्थ्य प्रोफाइल, केंद्रीय स्वास्थ्य आसूचना ब्यूरो, स्वास्थ्य एवं परिवार कल्याण मंत्रालय

Note: 1. 10 districts of Telangana are included in Andhra Pradesh till July 2014

P : Provisional/अनंतिम

2. Blank cells indicate nil

* Goa figures are till December 2016 excluding Sept 2016

**Statement 5.23: State- wise Cases and Deaths - Acute Respiratory Infection**

**विवरण 5.23 : राज्यवार मामले एवं मौतें - तीव्र श्वसन संक्रमण**

| Sl. No. क्र. सं. | State/ UT | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 1 | Andhra Pradesh | 3089290 | 236 | 3077530 | 501 | 3110536 | 372 | 2413509 | 144 | 2311538 | 133 | 3049810 | 95 | 3045868 | 324 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 48602 | 9 | 57088 | 7 | 46643 | 4 | 17887 | 3 | 15840 | 7 | 21670 | 4 | 36250 | 3 | अरुणाचल प्रदेश |
| 3 | Assam | 314824 | | 217805 | 481 | 145047 | 232 | 68334 | 72 | 20456 | 81 | 20667 | 200 | 22834 | 225 | असम |
| 4 | Bihar | 87486 | | 1558212 | 10 | 1758655 | 20 | 1488744 | 53 | 1223078 | 40 | 1072172 | 17 | 987234 | 36 | बिहार |
| 5 | Chhattisgarh | 155743 | 18 | 279103 | 39 | 287771 | 30 | 363570 | 73 | 376493 | 62 | 441269 | 19 | 490658 | 13 | छत्तीसगढ़ |
| 6 | Delhi | 198541 | 102 | 290841 | 232 | 390170 | 175 | 369406 | 106 | 330643 | 133 | *355234* | *210* | 261963 | 357 | दिल्ली |
| 7 | Goa | 61029 | 6 | 53843 | 1 | 59590 | | 67720 | 1 | 60998 | | 61300 | 4 | 78854 | 30 | गोवा* |
| 8 | Gujarat | 604076 | | 832190 | 8 | 1041042 | 40 | 1249351 | | 1578815 | 27 | 1839032 | 16 | 2109794 | | गुजरात |
| 9 | Haryana | 1275035 | 48 | 1212678 | 36 | 1003454 | 35 | 1123370 | 18 | 1173106 | 36 | 1162451 | 34 | 1025546 | 27 | हरियाणा |
| 10 | Himachal Pradesh | 1484149 | 154 | 1484315 | 136 | 1631779 | 164 | 1523572 | 226 | 1591505 | 205 | 1649023 | 166 | 1551213 | 182 | हिमाचल प्रदेश |
| 11 | Jammu Division | 185551 | 6 | 208813 | 3 | 236452 | | 222649 | | 225817 | 5 | 275525 | 3 | 300628 | 4 | जम्मू डिवीजन |
| 12 | Jharkhand | 205496 | 5 | 235447 | 63 | 238206 | 113 | 224576 | 3 | 206843 | 1 | 277475 | | 325276 | | झारखंड |
| 13 | Karnataka | 1629997 | 182 | 1501726 | 329 | 1577354 | 256 | 2213159 | 39 | 2128318 | 16 | 2072421 | 99 | 2245121 | 73 | कर्नाटक |
| 14 | Kashmir Division | 342858 | | 425565 | | 553262 | | 523573 | | 536208 | | 487651 | | 687278 | | कश्मीर डिवीजन |
| 15 | Kerala | 5034506 | 128 | 5685603 | 47 | 6233391 | 62 | 6042825 | 27 | 5879901 | 38 | 5600975 | 14 | 5885969 | 34 | केरल |
| 16 | Madhya Pradesh | 578783 | 182 | 902708 | 313 | 1276515 | 213 | 1529711 | 195 | 1733489 | 161 | 1782675 | 185 | 1699261 | 109 | मध्य प्रदेश |
| 17 | Maharashtra | 571947 | 28 | 690695 | 5 | 896949 | 1 | 1146185 | 1 | 1568270 | 18 | 1967432 | 20 | 1492852 | 4 | महाराष्ट्र |
| 18 | Manipur | 25441 | 55 | 39479 | 51 | 31468 | 36 | 33470 | 24 | 37477 | 22 | 46272 | 21 | 51205 | 23 | मणिपुर |
| 19 | Meghalaya | 295146 | 5 | 310278 | 4 | 329019 | 2 | 375220 | 5 | 408938 | 7 | 443764 | 2 | 333772 | 7 | मेघालय |
| 20 | Mizoram | 26817 | 33 | 26789 | 40 | 33807 | 23 | 28790 | 43 | 33169 | 59 | 45640 | 68 | 29595 | 36 | मिजोरम |
| 21 | Nagaland | 48566 | | 36344 | 7 | 37664 | 3 | 38312 | | 29289 | 1 | 34771 | | 31158 | 9 | नागालैंड |
| 22 | Odisha | 1372208 | 269 | 1598711 | 293 | 1599506 | 235 | 2125240 | 131 | 2384544 | 127 | 2512502 | 95 | 1921888 | 90 | ओडिशा |
| 23 | Punjab | 656544 | 10 | 645612 | 11 | 692618 | 9 | 638908 | 35 | 612122 | 71 | 639631 | 24 | 649023 | 24 | पंजाब |
| 24 | Rajasthan | 1089640 | 62 | 2001465 | 208 | 2515972 | 77 | 3038583 | 108 | 3153098 | 96 | 3793357 | 63 | 4479438 | 19 | राजस्थान |

**Statement 5.23: State- wise Cases and Deaths - Acute Respiratory Infection**

**विवरण 5.23 : राज्यवार मामले एवं मौतें - तीव्र श्वसन संक्रमण**

| Sl. No. क्र. सं. | State/ UT | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 25 | Sikkim | 92736 | 12 | 111771 | 7 | 93726 | 14 | 83893 | 7 | 104346 | 36 | 109541 | 43 | 93270 | 8 | सिक्किम |
| 26 | Tamil Nadu | 2410214 | 22 | 2737294 | 21 | 1944280 | 4 | 1904592 | 14 | 1956864 | 2 | 2211247 | 1 | 2139914 | 36 | तमिलनाडु |
| 27 | Telangana | | | | | | | | | 1137894 | 123 | 1189102 | 110 | 768702 | 26 | तेलंगाना |
| 28 | Tripura | 160438 | 135 | 159949 | 131 | 158988 | 131 | 154227 | 51 | 167058 | 4 | 178634 | 7 | 178570 | 21 | त्रिपुरा |
| 29 | Uttar Pradesh | 1183992 | 196 | 1552436 | 226 | 1720714 | 377 | 1627509 | 619 | 1811808 | 665 | 2364820 | 868 | 2763654 | 891 | उत्तर प्रदेश |
| 30 | Uttarakhand | 130283 | 56 | 205681 | 94 | 185034 | 113 | 211385 | 89 | 253292 | 77 | 237115 | 79 | 228397 | 78 | उत्तराखंड |
| 31 | West Bengal | 1991660 | 528 | 2550319 | 755 | 2514606 | 753 | 2831623 | 625 | 3193209 | 554 | 3545019 | 638 | 3431280 | 390 | पश्चिम बंगाल |
| 32 | Andaman And Nicobar Island | 69151 | 3 | 77320 | 5 | 58307 | | 61716 | | 48254 | 4 | 57220 | 4 | 38645 | 2 | अंडमान एवं निकोबार दीपसमूह |
| 33 | Chandigarh | 49649 | | 35346 | | 100541 | | 109081 | 8 | 127479 | 36 | 171977 | 27 | 152454 | 37 | चंडीगढ़ |
| 34 | Dadra And Nagar Haveli | 104447 | | 92668 | | 96346 | | 102487 | 3 | 61639 | 12 | 84301 | 13 | 73411 | 16 | दादरा एवं नगर हवेली |
| 35 | Daman & Diu | 42350 | | 39872 | 4 | 48603 | 8 | 60571 | 4 | 66031 | 8 | 73171 | | 81235 | | दमन एवं दीव |
| 36 | Lakshadweep | 28129 | | 45656 | | 43944 | | 49807 | | 42274 | | 35198 | | 43908 | | लक्षद्वीप |
| 37 | Puducherry | 654884 | 2 | 703476 | 87 | 731148 | 11 | 772188 | 2 | 895610 | 26 | *900460* | *15* | 1005900 | 29 | पुद्दुचेरी |
| | **Total** | **26300208** | **2492** | **31684628** | **4155** | **33423107** | **3513** | **34835743** | **2729** | **37485713** | **2893** | **40810524** | **3164** | **40742018** | **3163** | **कुल** |

Source: National Health Profile of India,Central Bureau of Health Intelligence, MOHFW.

स्रोत : भारतीय राष्ट्रीय स्वास्थ्य प्रोफाइल, केंद्रीय स्वास्थ्य आसूचना ब्यूरो, स्वास्थ्य एवं परिवार कल्याण मंत्रालय

Note: 1. 10 districts of Telangana are included in Andhra Pradesh till July 2014 2. Blank cells indicate nil P : Provisional/अनंतिम

## Statement 5.24: State-wise cases and deaths - Malaria

## विवरण 5.24 : राज्यवार मामले एवं मृत्यु - मलेरिया

| Sl. No. क्र. सं. | STATE/UTs. | 2016 | | | 2017(P) | | | 2018(till November) | | | राज्य / संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Malaria cases मलेरिया के मामले | Pf cases पीएफ मामले | Deaths मृत्यु | Malaria cases मलेरिया के मामले | Pf cases पीएफ मामले | Deaths मृत्यु | Malaria cases मलेरिया के मामले | Pf cases पीएफ मामले | Deaths मृत्यु | |
| 1 | Andhra Pradesh | 23613 | 17443 | | 16972 | 12003 | | 5835 | 4075 | | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 3144 | 911 | 2 | 1546 | 488 | | 616 | 153 | | अरुणाचल प्रदेश |
| 3 | Assam | 7826 | 5686 | 6 | 5281 | 3494 | | 3708 | 2780 | 2 | असम |
| 4 | Bihar | 5205 | 895 | | 4020 | 436 | 2 | 1085 | 257 | | बिहार |
| 5 | Chhattisgarh | 148220 | 121503 | 61 | 140727 | 114512 | 81 | 67553 | 52821 | 22 | छत्तीसगढ़ |
| 6 | Delhi | 31 | | | 577 | 3 | | 471 | 1 | | दिल्ली |
| 7 | Goa | 742 | 130 | | 653 | 75 | 1 | 373 | 49 | | गोवा |
| 8 | Gujarat | 44783 | 6298 | 6 | 38588 | 3581 | 7 | 20819 | 1570 | 2 | गुजरात |
| 9 | Haryana | 7866 | 552 | | 5696 | 574 | | 3142 | 508 | | हरियाणा |
| 10 | Himachal Pradesh | 121 | 19 | | 96 | 9 | | 97 | 11 | | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 242 | 11 | | 226 | 1 | | 157 | 2 | | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 141414 | 83232 | 15 | 94114 | 42982 | | 50457 | 17794 | 4 | झारखंड |
| 13 | Karnataka | 11078 | 1746 | | 7381 | 1170 | | 5003 | 757 | | कर्नाटक |
| 14 | Kerala | 1547 | 419 | 2 | 1192 | 317 | 2 | 850 | 185 | | केरल |
| 15 | Madhya Pradesh | 69106 | 22304 | 3 | 47541 | 16169 | 5 | 20134 | 5536 | 1 | मध्य प्रदेश |
| 16 | Maharashtra | 23983 | 7815 | 26 | 17710 | 5629 | 20 | 10067 | 2464 | 10 | महाराष्ट्र |
| 17 | Manipur | 122 | 58 | | 80 | 22 | | 12 | 4 | 1 | मणिपुर |
| 18 | Meghalaya | 35147 | 31867 | 45 | 16454 | 14418 | 12 | 6261 | 5946 | 6 | मेघालय |
| 19 | Mizoram | 7583 | 5907 | 9 | 5715 | 4974 | 4 | 4050 | 3711 | | मिजोरम |
| 20 | Nagaland | 828 | 316 | | 394 | 188 | 1 | 115 | 27 | | नागालैंड |
| 21 | Odisha | 449697 | 389332 | 77 | 347860 | 293718 | 24 | 63145 | 51268 | 4 | ओडिशा |

## Statement 5.24: State-wise cases and deaths - Malaria

## विवरण 5.24 : राज्यवार मामले एवं मृत्यु - मलेरिया

| Sl. No. क्र. सं. | STATE/UTs. | 2016 | | | 2017(P) | | | 2018(till November) | | | राज्य / संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Malaria cases मलेरिया के मामले | Pf cases पीएफ मामले | Deaths मृत्यु | Malaria cases मलेरिया के मामले | Pf cases पीएफ मामले | Deaths मृत्यु | Malaria cases मलेरिया के मामले | Pf cases पीएफ मामले | Deaths मृत्यु | |
| 22 | Punjab | 693 | 8 | | 805 | 12 | | 637 | 13 | | पंजाब |
| 23 | Rajasthan | 12741 | 1031 | 5 | 10607 | 520 | | 3419 | 224 | | राजस्थान |
| 24 | Sikkim | 15 | 5 | | 14 | 3 | | 3 | 2 | | सिक्किम |
| 25 | Tamil Nadu | 4341 | 242 | | 5444 | 211 | | 3613 | 159 | | तमिलनाडु |
| 26 | Telangana | 3512 | 2617 | 1 | 2688 | 2147 | | 1679 | 1360 | | तेलंगाना |
| 27 | Tripura | 10546 | 9545 | 14 | 7051 | 6571 | 6 | 12390 | 11968 | 13 | त्रिपुरा |
| 28 | Uttar Pradesh | 39238 | 158 | | 32345 | 159 | | 63816 | 17347 | | उत्तर प्रदेश |
| 29 | Uttarakhand | 961 | 47 | | 508 | 13 | | 400 | 12 | | उत्तराखंड |
| 30 | West Bengal | 35236 | 5928 | 59 | 31265 | 4952 | 29 | 25397 | 2850 | 10 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Islands | 485 | 140 | | 505 | 141 | | 248 | 27 | | अंडमान एवं निकोबार द्वीपसमूह |
| 32 | Chandigarh | 157 | | | 114 | 3 | | 44 | | | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | 375 | 30 | | 290 | 17 | | 171 | 4 | 1 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 48 | 7 | | 38 | 4 | | 24 | 1 | | दमन एवं दीव |
| 35 | Lakshadweep | 2 | | | 1 | | | 4 | | | लक्षद्वीप |
| 36 | Puducherry | 76 | 11 | | 60 | 14 | | 50 | 3 | 1 | पुद्दुचेरी |
| | **All India Total** | **1087285** | **711502** | **331** | **844558** | **529530** | **194** | **375845** | **183889** | **77** | **अखिल भारतीय कुल** |

*Source: National Vector Borne Disease Control Programme (NVBDCP),Directorate General of Health Services, MoH&FW*

*स्रोत : राष्ट्रीय वेक्टर जनित रोग नियंत्रण कार्यक्रम (एनवीबीडीसीपी), स्वास्थ्य सेवा महानिदेशालय, स्वास्थ्य एवं परिवार कल्याण मंत्रालय*

*Pf: Plasmodium falsiparum : Malaria caused by Pf is the most dengerous form of malaria.*

*P : Provisional/अनंतिम*

Note: 10 districts of Telangana are included in Andhra Pradesh till July 2014

Note: Blank cells indicate nil

## Statement 5.25: State-wise cases and death - Dengue

## विवरण 5.25 : राज्यवार मामले एवं मृत्यु - डेंगू

| Sl. No. क्र. सं. | States/UTs | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | | 2018( P)* till 25.11.2018 | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 1 | Andhra Pradesh | 910 | 1 | 1262 | 5 | 3159 | 2 | 3417 | 2 | 4925 | | 3793 | | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | | | 27 | | 1933 | 1 | 13 | | 18 | | 1 | | अरुणाचल प्रदेश |
| 3 | Assam | 4526 | 2 | 85 | | 1076 | 1 | 6157 | 4 | 5024 | 1 | 139 | | असम |
| 4 | Bihar | 1246 | 5 | 297 | | 1771 | | 1912 | | 1854 | | 2002 | | बिहार |
| 5 | Chhattisgarh | 83 | 2 | 440 | 9 | 384 | 1 | 356 | | 444 | | 2635 | 10 | छत्तीसगढ़ |
| 6 | Delhi | 5574 | 6 | 995 | 3 | 15867 | 60 | 4431 | 10 | 9271 | 10 | 6214 | 1 | दिल्ली |
| 7 | Goa | 198 | 2 | 168 | 1 | 293 | | 150 | | 235 | | 406 | 1 | गोवा |
| 8 | Gujarat | 6272 | 15 | 2320 | 3 | 5590 | 9 | 8028 | 14 | 4753 | 6 | 5844 | 4 | गुजरात |
| 9 | Haryana | 1784 | 5 | 214 | 2 | 9921 | 13 | 2493 | | 4550 | | 1558 | | हरियाणा |
| 10 | Himachal Pradesh | 89 | 2 | 2 | | 19 | 1 | 322 | | 452 | | 4653 | 6 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 1837 | 3 | 1 | | 153 | | 79 | 1 | 488 | | 162 | | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 161 | | 36 | | 102 | | 414 | 1 | 710 | 5 | 418 | 1 | झारखंड |
| 13 | Karnataka | 6408 | 12 | 3358 | 2 | 5077 | 9 | 6083 | 8 | 17844 | 10 | 3427 | 4 | कर्नाटक |
| 14 | Kerala | 7938 | 29 | 2575 | 11 | 4075 | 25 | 7439 | 13 | 19994 | 37 | 3933 | 37 | केरल |
| 15 | Madhya Pradesh | 1255 | 9 | 2131 | 13 | 2108 | 8 | 3150 | 12 | 2666 | 6 | 4265 | 5 | मध्य प्रदेश |
| 16 | Maharashtra | 5610 | 48 | 8573 | 54 | 4936 | 23 | 6792 | 33 | 7829 | 65 | 9451 | 46 | महाराष्ट्र |
| 17 | Manipur | 9 | | | | 52 | | 51 | 1 | 193 | 1 | 13 | | मणिपुर |
| 18 | Meghalaya | 43 | | | | 13 | | 172 | | 52 | | 16 | | मेघालय |
| 19 | Mizoram | 7 | | 19 | | 43 | | 580 | | 136 | | 65 | | मिजोरम |
| 20 | Nagaland | | | | | 21 | 1 | 142 | | 357 | | 369 | | नागालैंड |
| 21 | Odisha | 7132 | 6 | 6433 | 9 | 2450 | 2 | 8380 | 11 | 4158 | 6 | 5116 | 5 | ओडिशा |
| 22 | Punjab | 4117 | 25 | 472 | 8 | 14128 | 18 | 10439 | 15 | 15398 | 18 | 13760 | | पंजाब |
| 23 | Rajasthan | 4413 | 10 | 1243 | 7 | 4043 | 7 | 5292 | 16 | 8427 | 14 | 8490 | 10 | राजस्थान |
| 24 | Sikkim | 38 | | 5 | | 21 | | 82 | | 312 | | 145 | | सिक्किम |

## Statement 5.25: State-wise cases and death - Dengue

## विवरण 5.25 : राज्यवार मामले एवं मृत्यु - डेंगू

| Sl. No. क्र. सं. | States/UTs | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | | 2018( P)* till 25.11.2018 | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 25 | Tamil Nadu | 6122 | | 2804 | 3 | 4535 | 12 | 2531 | 5 | 23294 | 65 | 3636 | 5 | तमिलनाडु |
| 26 | Telangana | | | 704 | 1 | 1831 | 2 | 4037 | 4 | 5369 | | 4026 | 2 | तेलंगाना |
| 27 | Tripura | 8 | | 6 | | 40 | | 102 | | 127 | | 90 | | त्रिपुरा |
| 28 | Uttar Pradesh | 1414 | 5 | 200 | | 2892 | 9 | 15033 | 42 | 3092 | 28 | 3454 | 2 | उत्तर प्रदेश |
| 29 | Uttarakhand | 54 | | 106 | | 1655 | 1 | 2146 | 4 | 849 | | 689 | 3 | उत्तराखंड |
| 30 | West Bengal | 5920 | 6 | 3934 | 4 | 8516 | 14 | 22865 | 45 | 37746 | 46 | * | * | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Islands | 67 | | 139 | | 153 | | 92 | | 18 | | 23 | | अंडमान एवं निकोबार द्वीपसमूह |
| 32 | Chandigarh | 107 | | 13 | | 966 | 1 | 1246 | | 1125 | | 274 | | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | 190 | | 641 | 1 | 1154 | | 4161 | 2 | 2064 | | 451 | | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 61 | | 46 | | 165 | | 89 | | 59 | | 36 | | दमन एवं दीव |
| 35 | Puducherry | 2215 | | 1322 | 1 | 771 | | 490 | 2 | 4568 | 7 | 420 | 2 | पुद्दुचेरी |
| | **Total** | **75808** | **193** | **40571** | **137** | **99913** | **220** | **129166** | **245** | **188401** | **325** | **89974** | **144** | **कुल** |

Source: National Vector Borne Disease Control Programme (NVBDCP),Directorate general of Health Services, Ministry of

स्रोत : राष्ट्रीय वेक्टर जनित रोग नियंत्रण कार्यक्रम (एनवीबीडीसीपी), स्वास्थ्य सेवा महानिदेशालय, स्वास्थ्य एवं परिवार कल्याण मंत्रालय।

Note:1. 10 districts of Telangana are included in Andhra Pradesh till July 2014 2 Blank cells indicat P: Provisional/अनंतिम

* Reports not received.

**Statement 5.26: State-wise cases - Chikungunya fever**

**विवरण 5.26 : राज्यवार मामले - चिकनगुनिया बुखार**

| Sl. No. क्र. सं. | States/UTs | 2015 | 2016 | 2017 | 2018 (P) | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 817 | 960 | 1162 | 570 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 35 | 239 | 133 | 507 | अरुणाचल प्रदेश |
| 3 | Assam | | 40 | 41 | 2 | असम |
| 4 | Bihar | 3 | 566 | 1251 | 152 | बिहार |
| 5 | Delhi | 64 | 12279 | 940 | 384 | दिल्ली |
| 6 | Goa | 561 | 337 | 509 | 397 | गोवा |
| 7 | Gujarat | 406 | 3285 | 7953 | 8712 | गुजरात |
| 8 | Haryana | 1 | 5394 | 220 | 62 | हरियाणा |
| 9 | Jammu & Kashmir | | 1 | | | जम्मू एवं कश्मीर |
| 10 | Jharkhand | 21 | 47 | 269 | 3267 | झारखंड |
| 11 | Karnataka | 20763 | 15666 | 32831 | 16661 | कर्नाटक |
| 12 | Kerala | 175 | 129 | 78 | 62 | केरल |
| 13 | Madhya Pradesh | 67 | 2280 | 2477 | 3131 | मध्य प्रदेश |
| 14 | Maharashtra | 391 | 7570 | 8110 | 8188 | महाराष्ट्र |
| 15 | Manipur | | | | 2 | मणिपुर |
| 16 | Meghalaya | 78 | 360 | 236 | 38 | मेघालय |
| 17 | Mizroram | | | | 93 | मिजोरम |
| 18 | Odisha | 81 | 51 | | | ओडिशा |
| 19 | Punjab | 180 | 4407 | 3251 | 571 | पंजाब |
| 20 | Rajasthan | 7 | 2506 | 1612 | 239 | राजस्थान |
| 21 | Sikkim | | 30 | 130 | 147 | सिक्किम |
| 22 | Tamil Nadu | 329 | 86 | 131 | 198 | तमिलनाडु |
| 23 | Telangana | 2067 | 611 | 1277 | 1201 | तेलंगाना |
| 24 | Tripura | 180 | 311 | 574 | 589 | त्रिपुरा |
| 25 | Uttar Pradesh | | 2458 | 103 | 57 | उत्तर प्रदेश |
| 26 | Uttarakhand | | 35 | | 29 | उत्तराखंड |
| 27 | West Bengal | 1013 | 1071 | 2103 | 52 | पश्चिम बंगाल |
| 28 | Andaman And Nicobar Islands | 68 | 18 | 93 | 76 | अंडमान एवं निकोबार द्वीपसमूह |
| 29 | Chandigarh | 1 | 2857 | 1810 | 328 | चंडीगढ़ |
| 30 | Dadra & Nagar Haveli | | | | | दादरा एवं नगर हवेली |
| 31 | Lakshadweep | | | | NR | लक्षद्वीप |
| 32 | Puducherry | 245 | 463 | 475 | 1493 | पुद्दुचेरी |
| | **Total** | **27553** | **64057** | **67769** | **47208** | **कुल** |

Source: National Vector Borne Disease Control Programme (NVBDCP),Directorate General of Health Services, Ministry of Health & Family Welfare.

*स्रोत : राष्ट्रीय वेक्टर जनित रोग नियंत्रण कार्यक्रम, स्वास्थ्य सेवा महानिदेशालय, स्वास्थ्य एवं परिवार कल्याण मंत्रालय।*

P : Provisional/अनंतिम (till 25th November, 2018)

*Note: Blank cells indicate nil*

## Statement 5.27: State-wise cases and deaths - Acute Encephalitis Syndrome/ Japanese encephalitis

## विवरण 5.27 : राज्यवार मामले एवं मृत्यु - तीव्र एन्सेफलाइटिस सिंड्रोम / जापानी एन्सेफलाइटिस

| Sl. No. क्र. सं. | States/UTs | 2010 | | | | 2011 | | | | 2012 | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AES Cases एईएस मामले | Deaths मृत्यु | JE Cases जेई मामले | Deaths मृत्यु | AES Cases एईएस मामले | Deaths मृत्यु | JE Cases जेई मामले | Deaths मृत्यु | AES Cases एईएस मामले | Deaths मृत्यु | JE Cases जेई मामले | Deaths मृत्यु | |
| 1 | Andhra Pradesh | 139 | 7 | 7 | 5 | 73 | 1 | 4 | 1 | 64 | | 3 | | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | | | | | | | | | | | | | अरुणाचल प्रदेश |
| 3 | Assam | 469 | 117 | 142 | 40 | 1319 | 250 | 489 | 113 | 1343 | 229 | 463 | 100 | असम |
| 4 | Bihar | 50 | 7 | | | 821 | 197 | 145 | 18 | 745 | 275 | 8 | | बिहार |
| 5 | Delhi | | | | | 9 | | 9 | | | | | | दिल्ली |
| 6 | Goa | 80 | | 9 | | 91 | 1 | 1 | | 84 | | 9 | | गोवा |
| 7 | Haryana | 1 | 1 | 1 | | 90 | 14 | 12 | 3 | 5 | | 3 | | हरियाणा |
| 8 | Jharkhand | 18 | 2 | 2 | 2 | 303 | 19 | 101 | 5 | 16 | | 1 | | झारखंड |
| 9 | Karnataka | 143 | 1 | 3 | | 397 | | 23 | | 189 | 1 | 1 | | कर्नाटक |
| 10 | Kerala | 19 | 5 | | | 88 | 6 | 37 | 3 | 29 | 6 | 2 | | केरल |
| 11 | Maharashtra | 34 | 17 | | | 35 | 9 | 6 | | 37 | 20 | 3 | | महाराष्ट्र |
| 12 | Manipur | 118 | 15 | 45 | 5 | 11 | | 9 | | 2 | | | | मणिपुर |
| 13 | Meghalaya | | | | | | | | | | | | | मेघालय |
| 14 | Nagaland | 11 | 6 | 2 | | 44 | 6 | 29 | 5 | 21 | 2 | | | नागालैंड |
| 15 | Odisha | | | | | | | | | | | | | ओडिशा |
| 16 | Punjab | 2 | | | | | | | | | | | | पंजाब |
| 17 | Tamil Nadu | 466 | 7 | 11 | 1 | 762 | 29 | 24 | 3 | 935 | 64 | 25 | 4 | तमिलनाडु |
| 18 | Telangana | | | | | | | | | | | | | तेलंगाना |
| 19 | Tripura | | | | | | | | | | | | | त्रिपुरा |
| 20 | Uttar Pradesh | 3540 | 494 | 325 | 59 | 3492 | 579 | 224 | 27 | 3484 | 557 | 139 | 23 | उत्तर प्रदेश |
| 21 | Uttarakhand | 7 | | 7 | | | | | | 174 | 2 | 1 | | उत्तराखंड |
| 22 | West Bengal | 70 | | 1 | | 714 | 58 | 101 | 3 | 1216 | 100 | 87 | 13 | पश्चिम बंगाल |
| | **Total** | **5167** | **679** | **555** | **112** | **8249** | **1169** | **1214** | **181** | **8344** | **1256** | **745** | **140** | **कुल** |

Source: National Vector Borne Disease Control Programme (NVBDCP),Directorate General of Health Services, Ministry of Health & Family Welfare.

स्रोत : राष्ट्रीय वेक्टर जनित रोग नियंत्रण कार्यक्रम, स्वास्थ्य सेवा महानिदेशालय, स्वास्थ्य एवं परिवार कल्याण मंत्रालय।

Note:1. 10 districts of Telangana are included in Andhra Pradesh till July 2014 2. Blank cells indicate nil P : Provisional/अनंतिम

## Statement 5.27: State-wise cases and deaths - Acute Encephalitis Syndrome/ Japanese encephalitis

## विवरण 5.27 : राज्यवार मामले एवं मृत्यु - तीव्र एन्सेफलाइटिस सिंड्रोम / जापानी एन्सेफलाइटिस

| Sl. No. क्र. सं. | States/UTs | 2013 | | | | 2014 | | | | 2015 | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AES Cases एईएस मामले | Deaths मृत्यु | JE Cases जेई मामले | Deaths मृत्यु | AES Cases एईएस मामले | Deaths मृत्यु | JE Cases जेई मामले | Deaths मृत्यु | AES Cases एईएस मामले | Deaths मृत्यु | JE Cases जेई मामले | Deaths मृत्यु | |
| 1 | Andhra Pradesh | 345 | 3 | 7 | 3 | 31 | | | | 50 | | | | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | | | | | 102 | 11 | 32 | 3 | 73 | 2 | 32 | 2 | अरुणाचल |
| 3 | Assam | 1388 | 272 | 495 | 134 | 2194 | 360 | 761 | 165 | 1409 | 260 | 614 | 135 | असम |
| 4 | Bihar | 417 | 143 | 14 | | 1358 | 355 | 20 | 2 | 285 | 90 | 66 | 12 | बिहार |
| 5 | Delhi | | | | | | | | | | | | | दिल्ली |
| 6 | Goa | 48 | 1 | 3 | 1 | 17 | | | | | | | | गोवा |
| 7 | Haryana | 2 | | 2 | | 6 | 1 | 5 | 1 | 2 | | 2 | | हरियाणा |
| 8 | Jharkhand | 270 | 5 | 89 | 5 | 288 | 2 | 90 | 2 | 217 | 8 | 116 | 8 | झारखंड |
| 9 | Karnataka | 162 | | 2 | | 75 | | 13 | | 335 | 1 | 27 | 1 | कर्नाटक |
| 10 | Kerala | 53 | 6 | 2 | | 6 | 2 | 3 | 2 | 29 | 3 | 2 | 1 | केरल |
| 11 | Maharashtra | | | | | | | | | 51 | | 7 | | महाराष्ट्र |
| 12 | Manipur | 1 | | | | 16 | | 1 | | 34 | | 6 | | मणिपुर |
| 13 | Meghalaya | | | | | 212 | 3 | 72 | 3 | 174 | 8 | 41 | 8 | मेघालय |
| 14 | Nagaland | 20 | | 4 | | 20 | 1 | 6 | | 10 | 1 | | | नागालैंड |
| 15 | Odisha | | | | | | | | | 660 | 2 | 33 | 2 | ओडिशा |
| 16 | Punjab | | | | | 2 | | | | 1 | | | | पंजाब |
| 17 | Tamil Nadu | 77 | 8 | 33 | | 346 | 4 | 36 | 3 | 847 | | 53 | | तमिलनाड़ |
| 18 | Telengana | | | | | 155 | 5 | | | 157 | 1 | 8 | 1 | तेलंगाना |
| 19 | Tripura | 211 | | 14 | | 323 | | 14 | | 459 | 4 | 28 | 4 | त्रिपुरा |
| 20 | Uttar Pradesh | 3096 | 609 | 281 | 47 | 3329 | 627 | 191 | 34 | 2894 | 479 | 351 | 42 | उत्तर प्रदेश |
| 21 | Uttarakhand | | | | | 2 | | 2 | | 2 | | 2 | | उत्तराखंड |
| 22 | West Bengal | 1735 | 226 | 140 | 12 | 2385 | 348 | 415 | 78 | 2165 | 351 | 342 | 75 | पश्चिम बंगाल |
| | **Total** | **7825** | **1273** | **1086** | **202** | **10867** | **1719** | **1661** | **293** | **9854** | **1210** | **1730** | **291** | **कुल** |

Source: National Vector Borne Disease Control Programme (NVBDCP),Directorate General of Health Services, Ministry of Health & Family Welfare.

स्रोत : राष्ट्रीय वेक्टर जनित रोग नियंत्रण कार्यक्रम, स्वास्थ्य सेवा महानिदेशालय, स्वास्थ्य एवं परिवार कल्याण मंत्रालय।

Note:1. 10 districts of Telangana are included in Andhra Pradesh till July 2014 2. Blank cells indicate nil P : Provisional/अनंतिम

**Statement 5.27: State-wise cases and deaths - Acute Encephalitis Syndrome/ Japanese encephalitis**

**विवरण 5.27 : राज्यवार मामले एवं मृत्यु - तीव्र एन्सेफलाइटिस सिंड्रोम / जापानी एन्सेफलाइटिस**

| Sl. No. क्र. सं. | States/UTs | 2016 | | | | 2017 | | | | 2018 (P) | | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AES Cases एईएस मामले | Deaths मृत्यु | JE Cases जेई मामले | Deaths मृत्यु | AES Cases एईएस मामले | Deaths मृत्यु | JE Cases जेई मामले | Deaths मृत्यु | AES Cases एईएस मामले | Deaths मृत्यु | JE Cases जेई मामले | Deaths मृत्यु | |
| 1 | Andhra Pradesh | 4 | | | | 37 | | 1 | | 16 | | | | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 1 | | | | 5 | | 5 | | | | | | अरुणाचल प्रदेश |
| 3 | Assam | 1713 | 187 | 427 | 92 | 2077 | 178 | 604 | 87 | 1492 | 183 | 509 | 94 | असम |
| 4 | Bihar | 324 | 102 | 100 | 25 | 189 | 54 | 74 | 11 | 118 | 34 | 70 | 11 | बिहार |
| 5 | Delhi | | | | | | | | | | | | | दिल्ली |
| 6 | Goa | 12 | | 1 | | 1 | | | | 18 | | 3 | | गोवा |
| 7 | Haryana | 2 | | 2 | | 4 | 1 | 4 | 1 | | | | | हरियाणा |
| 8 | Jharkhand | 296 | 5 | 47 | 5 | 272 | 1 | 29 | 1 | 544 | | 66 | | झारखंड |
| 9 | Karnataka | 406 | | 11 | | 332 | 2 | 26 | 2 | 380 | 5 | 35 | 5 | कर्नाटक |
| 10 | Kerala | 18 | 5 | 2 | | 7 | 4 | 1 | | 26 | 14 | 5 | 2 | केरल |
| 11 | Maharashtra | 70 | 1 | 12 | 1 | 143 | | 27 | | 48 | 1 | 6 | 1 | महाराष्ट्र |
| 12 | Manipur | 475 | 1 | 47 | 1 | 1125 | 10 | 186 | 10 | 283 | 3 | 57 | 3 | मणिपुर |
| 13 | Meghalaya | 164 | 4 | 47 | 4 | 160 | 4 | 48 | 4 | 243 | 6 | 90 | 6 | मेघालय |
| 14 | Nagaland | | | | | 36 | 2 | 10 | 2 | 27 | | 1 | | नागालैंड |
| 15 | Odisha | 1096 | 115 | 242 | 42 | 1228 | 15 | 79 | | 1720 | 10 | 143 | | ओडिशा |
| 16 | Punjab | 1 | | 1 | | 1 | 1 | 1 | 1 | | | | | पंजाब |
| 17 | Tamil Nadu | 859 | 3 | 51 | | 1358 | 2 | 127 | 2 | 1287 | 5 | 147 | | तमिलनाडु |
| 18 | Telengana | 72 | | 4 | | 136 | | 11 | | 27 | | 20 | | तेलंगाना |
| 19 | Tripura | 380 | 1 | 98 | 1 | 323 | | 90 | | 311 | | 59 | | त्रिपुरा |
| 20 | Uttar Pradesh | 3919 | 621 | 410 | 73 | 4724 | 654 | 693 | 93 | 3080 | 230 | 323 | 25 | उत्तर प्रदेश |
| 21 | Uttarakhand | | | | | | | | | | | | | उत्तराखंड |
| 22 | West Bengal | 1839 | 256 | 174 | 39 | 1514 | 169 | 165 | 40 | 1762 | 146 | 140 | 35 | पश्चिम बंगाल |
| | **Total** | **11651** | **1301** | **1676** | **283** | **13672** | **1097** | **2181** | **254** | **11382** | **637** | **1674** | **182** | **कुल** |

Source: National Vector Borne Disease Control Programme (NVBDCP),Directorate General of Health Services, Ministry of Health & Family Welfare.

स्रोत : राष्ट्रीय वेक्टर जनित रोग नियंत्रण कार्यक्रम, स्वास्थ्य सेवा महानिदेशालय, स्वास्थ्य एवं परिवार कल्याण मंत्रालय।

Note:1. 10 districts of Telangana are included in Andhra Pradesh till July 2014 2. Blank cells indicate nil P : Provisional/अनंतिम

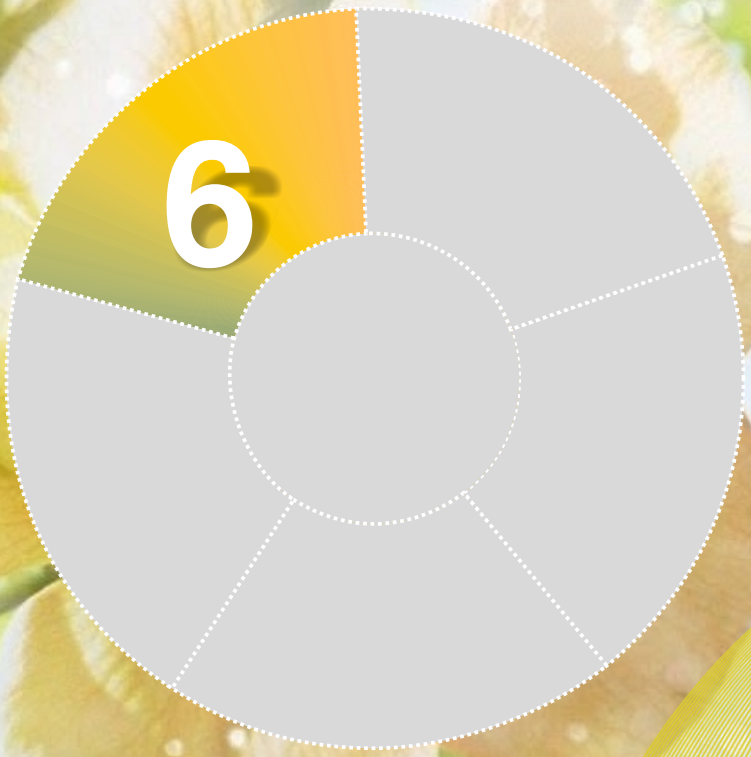
## Statement 5.28: State-wise cases and deaths - Kala-azar (Visceral leishmaniasis)
## विवरण 5.28 : राज्यवार मामले एवं मृत्यु - कालाजार (आंत की लीशमैनियता)

| Sl. No.क्र. सं. | Affected States/UTs | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017(P) | | 2018(P) | | प्रभावित राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | Cases मामले | Deaths मृत्यु | |
| 1 | Assam | 5 | | 6 | | 4 | | 1 | | 1 | | | | | | | | असम |
| 2 | Bihar | 25222 | 76 | 16036 | 27 | 10730 | 17 | 7615 | 10 | 6517 | 5 | 4773 | | 4127 | | 3423 | | बिहार |
| 3 | Delhi# | 19 | | 11 | | 6 | | | | | | | | | | | | दिल्ली# |
| 4 | Gujarat# | | | | | | | | | | | | | | | | | गुजरात# |
| 5 | Himachal Pradesh | 1 | | | | | | | | | | | | | | | | हिमाचल प्रदेश |
| 6 | Jharkhand | 5960 | 3 | 3535 | 1 | 2515 | | 937 | | 1262 | | 1185 | | 1358 | | 750 | | झारखंड |
| 7 | Kerala | | | | | | | | | 4 | | 2 | | | | | | केरल |
| 8 | Madhya Pradesh | | | | | | | | | | | | | | | | | मध्य प्रदेश |
| 9 | Punjab# | | | | | | | | | 1 | | | | | | | | पंजाब# |
| 10 | Sikkim | 7 | | 5 | | 8 | | 5 | | 5 | | 1 | | | | | | सिक्किम |
| 11 | Uttar Pradesh | 11 | 1 | 5 | | 11 | 1 | 11 | | 131 | | 107 | | 115 | | 110 | | उत्तर प्रदेश |
| 12 | Uttarakhand | | | 7 | 1 | | | 4 | | 3 | | 2 | | 2 | | | | उत्तराखंड |
| 13 | West Bengal | 1962 | | 995 | | 595 | 2 | 668 | 1 | 576 | | 179 | | 156 | | 95 | | पश्चिम बंगाल |
| **Total** | | **33187** | **80** | **20600** | **29** | **13869** | **20** | **9241** | **11** | **8500** | **5** | **6249** | | **5758** | | **4378** | | **कुल** |

Source: National Vector Borne Disease Control Programme (NVBDCP),Directorate General of Health Services, Ministry of Health & Family Welfare.

स्रोत : राष्ट्रीय वेक्टर जनित रोग नियंत्रण कार्यक्रम, स्वास्थ्य सेवा महानिदेशालय, स्वास्थ्य एवं परिवार कल्याण मंत्रालय।

P : Provisional/अनंतिम # : Imported Note: Blank cells indicate nil




# Environmental Protection, Management and Engagement

# पर्यावरण संरक्षण, प्रबंधन एवं विनियमन

**Statement 6.01 : Centrally Sponsored Schemes for Protection of Environment**

**विवरण 6.01 : पर्यावरण संरक्षण के लिए केंद्रीय प्रायोजित योजनाएं**

**(Rs. In crore करोड़ रुपए में)**

| S. No. क्र. सं. | Scheme | 2015-16 | 2016-17 | 2017-18 | 2018-19 (RE) | 2019-20 (BE) | स्कीम |
|---|---|---|---|---|---|---|---|
| 1 | National Mission for a Green India | 209.47 | 145..65 | 161.88 | 210.00 | 240.00 | राष्ट्रीय हरित भारत मिशन |
| 2 | Integrated Development of Wildlife Habitats | 227.94 | 452.96 | 527.92 | 555.00 | 260.00 | समेकित वन्य जीव अधिवास विकास |
| 3 | Conservation of Natural Resources and Ecosystems | 62.25 | 97.26 | 91.76 | 80.50 | 86.00 | प्राकृतिक संसाधनों एवं पारिस्थितिकी तंत्रों का संरक्षण |
| 4 | National River Conservation Programme | 66.72 | 98.99 | 173.34 | 150.50 | 196.00 | राष्ट्रीय नदी संरक्षण कार्यक्रम |

Source: Expenditure Profile, Union Budget, M/o Finance स्रोत : व्यय प्रोफाइल, संघ बजट, वित्त मंत्रालय

RE: Revised Estimate BE :Budget Estimate

**Details of the schemes**

| S. No. क्र. सं. | Scheme | Components | घटक |
|---|---|---|---|
| 1 | National Mission for a Green India राष्ट्रीय हरित भारत मिशन | Green India Mission-National Afforestation Programme | हरित भारत मिशन-राष्ट्रीय वनरोपण कार्यक्रम |
| | | Forest Fire Prevention and Management | वनाग्नि निवारण और प्रबंधन |
| 2 | Integrated Development of Wildlife Habitats समेकित वन्य जीव अधिवास विकास | Project Tiger | परियोजना चीता |
| | | Project Elephant | परियोजना हाथी |
| | | Development of Wildlife Habitats | वन्य जीव अधिवास विकास |
| 3 | Conservation of Natural Resources and Ecosystems प्राकृतिक संसाधनों एवं पारिस्थितिकी तंत्रों का संरक्षण | Conservation of Corals and Mangroves | प्रवाल एवं मैनग्रोव का संरक्षण |
| | | Conservation of Aquatic Ecosystems | जलीय पारिस्थितिकी तंत्रों का संरक्षण |
| | | Biodiversity Conservation | जैव विविधता का संरक्षण |

## Statement 6.02: Afforestation under different Schemes
## विवरण 6.02 : विभिन्न योजनाओं के तहत वनरोपण
### Area Covered under Plantation ( Public and Forest Lands) - reported under Twenty Point Programme
### बागान के तहत शामिल क्षेत्रफल (सार्वजनिक एवं वन भूमि) - 20 सूत्रीय कार्यक्रम के तहत सूचित

(Unit: Hectares इकाई : हेक्टेयर)

| Sl. No. क्र. सं. | State/UT Name | April,2012-March,2013 अप्रैल 2012 से मार्च 2013 | April 2013-March 2014 अप्रैल 2013 से मार्च 2014 | April 2014-March 2015 अप्रैल 2014 से मार्च 2015 | April 2015-March 2016 अप्रैल 2015 से मार्च 2016 | April 2016-March 2017 अप्रैल 2016 से मार्च 2017 | April 2017-March 2018 अप्रैल 2017 से मार्च 2018 | राज्य/संघ राज्य क्षेत्र का नाम |
|---|---|---|---|---|---|---|---|---|
| 1 | Andhra Pradesh | 4,07,252 | 3,72,962 | 2,08,591 | 1,33,618 | 2,74,635 | 229409 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 378 | 213 # | 42 # | 8 | 0 | NR | अरुणाचल प्रदेश |
| 3 | Assam | 8642 | 0 | 0 | 0 | 0 | 0 | असम |
| 4 | Bihar | 30330 | 69224 | 92956 | 41419 | 43279 | 35114 | बिहार |
| 5 | Chhattisgarh | 83789 | 60581 # | 86211 | 1,33,531 | 98697 | 26037 | छत्तीसगढ़ |
| 6 | Delhi | 1409 | 848 | 1468 | 1498 | 1299 | NR | दिल्ली |
| 7 | Goa | 471 | 154 | 346 | 21 | 38 | 15 | गोवा |
| 8 | Gujarat | 1,68,470 | 1,39,283 | 1,91,118 | 1,50,822 | 1,68,733 | 177148 | गुजरात |
| 9 | Haryana | 68026 | 57197 | 35798 | 30643 | 25474 | 17000 | हरियाणा |
| 10 | Himachal Pradesh | 28902 | 25595 | 20728 | 11449 | 10052 | 9200 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 13988 | 8704 | 8454 | 10863 | 7307 | 11371 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 10746 | 3450 # | 7296 | NR | 21005 | 22729 | झारखंड |
| 13 | Karnataka | 80385 | 82925 | 52805 | 69093 | 61686 | 62108 | कर्नाटक |
| 14 | Kerala | 10154 | 3891 | 3700 | 1117 | 46695 | 1923$ | केरल |
| 15 | Madhya Pradesh | 1,19,580 | 1,35,199 # | 7499 | 7994 # | 99197 | NR | मध्य प्रदेश |
| 16 | Maharashtra | 1,88,968 | 2,13,750 | 91413 | 55793 | 42100 | 37393 | महाराष्ट्र |
| 17 | Manipur | 14595 | 17916 | 11547 # | 2855 # | 12247 | 6442 | मणिपुर |
| 18 | Meghalaya | 4852 | 16330 | 1991 | 3186 | 0 | 2743 | मेघालय |
| 19 | Mizoram | 4071 | 5253 # | 0 | NR | 4050 | 4020 | मिजोरम |

## Statement 6.02: Afforestation under different Schemes
## विवरण 6.02 : विभिन्न योजनाओं के तहत वनरोपण
### Area Covered under Plantation ( Public and Forest Lands) - reported under Twenty Point Programme
### बागान के तहत शामिल क्षेत्रफल (सार्वजनिक एवं वन भूमि) - 20 सूत्रीय कार्यक्रम के तहत सूचित

(Unit: Hectares इकाई : हेक्टेयर)

| Sl. No. क्र. सं. | State/UT Name | April,2012-March,2013 अप्रैल 2012 से मार्च 2013 | April 2013-March 2014 अप्रैल 2013 से मार्च 2014 | April 2014-March 2015 अप्रैल 2014 से मार्च 2015 | April 2015-March 2016 अप्रैल 2015 से मार्च 2016 | April 2016-March 2017 अप्रैल 2016 से मार्च 2017 | April 2017-March 2018 अप्रैल 2017 से मार्च 2018 | राज्य/संघ राज्य क्षेत्र का नाम |
|---|---|---|---|---|---|---|---|---|
| 20 | Nagaland | # 5681 | 10140 # | 0 # | NR | 0 | NR | नागालैंड |
| 21 | Odisha | 1,07,287 | 1,17,535 | 1,98,891 | 1,70,808 # | 4,01,452 | 382364 | ओडिशा |
| 22 | Punjab | 9569 | 13816 | 2769 $ | 2934 | 5469 | 6845 | पंजाब |
| 23 | Rajasthan | 57103 | 67722 | 70423 | 70893 | 66815 | 43873 | राजस्थान |
| 24 | Sikkim | 9019 | 4805 | 4095 | 1325 | 3376 | 365 | सिक्किम |
| 25 | Tamil Nadu | 74844 | 70235 | 70235 | 45129 | 39790 | 33147 | तमिलनाडु |
| 26 | Telangana | | | 80446 | 2,36,598 | 4,38,059 | 489673 | तेलंगाना |
| 27 | Tripura | 20451 | 16280 | 16403 | 2339 # | 4070 | 4858 | त्रिपुरा |
| 28 | Uttar Pradesh | 67057 | 78339 | 57907 | 1,65,867 | 92128 | 51513 | उत्तर प्रदेश |
| 29 | Uttarakhand | 22024 | 21242 | 17268 | 17846 | 18251 | 21397 | उत्तराखंड |
| 30 | West Bengal | 9362 | 3910 | 6396 | 12169 | 2722 ^ | 10653 | पश्चिम बंगाल |
| 31 | Andaman And Nicobar Island | 1116 | 1128 | 1184 | 1300 | 1125 | 713 | अंडमान एवं निकोबार द्वीपसमूह |
| 32 | Chandigarh | 219 | 175 | 126 $ | 167 | 178 | 176 | चंडीगढ़ |
| 33 | Dadra & Nagar Haveli | 200 | 200 | 220 | 225 | 220 | 200 | दादरा एवं नगर हवेली |
| 34 | Daman & Diu | 8 | 0 $ | 11 | 0 | 10 | 15 | दमन एवं दीव |
| 35 | Lakshadweep | 22 | 28 | 0 | 0 | 0 | 0 | लक्षद्वीप |
| 36 | Puducherry | 96 | 41 | 75 | 86 | 250 | 63 | पुद्दुचेरी |
| **Grand Total** | | **16,29,066** | **16,19,071** | **13,48,412** | **1381596** | **19,90,409** | **1688507** | **कुल योग** |

Source: Ministry of Statistics & Programme Implementation

स्रोत : सांख्यिकी एवं कार्यक्रम कार्यान्वयन मंत्रालय

Note: # Figures reported earlier have been repeated

$ State has downward revised the figure

^ Figures reported upto December 2016 have been repeated

NR: Not reported

## Statement 6.03: Afforestation in Metalliferous Mines (By Principal Minerals)
## विवरण 6.03 : धातुमय खदानों में वनरोपण (प्रधान खनिजों के अनुसार )

during 2014-15$ के दौरान

| Sl. N. क्र. सं. | Minerals | Mines Covered शामिल की गई खदानें | Area Covered शामिल किया गया क्षेत्रफल (in Hects./हेक्टेयर में) | Trees Planted लगाए गए वृक्ष (Nos. /संख्या) | Trees Survived वृक्ष जो जिंदा हैं ( Nos./संख्या) | Survival उत्तरजीविता | | खनिज |
|---|---|---|---|---|---|---|---|---|
| | | | | | | (%) (प्रतिशत) | ('000 trees per hectare/ प्रति हेक्टेयर वृक्ष) | |
| 1 | Bauxite | 78 | 65 | 166084 | 127070 | 76.51 | 1.95 | बॉक्साइट |
| 2 | Chromite | 4 | 5 | 10630 | 8588 | 80.79 | 1.72 | क्रोमाइट |
| 3 | Copper | 6 | 15 | 20600 | 17240 | 83.69 | 1.15 | तांबा |
| 4 | Dolomite | 4 | 14 | 11100 | 9650 | 86.94 | 0.69 | डोलोमाइट |
| 5 | Iron Ore | 166 | 145 | 386799 | 296109 | 76.55 | 2.04 | लौह अयस्क |
| 6 | Iron & Manganese | 21 | 16 | 123868 | 107021 | 86.40 | 6.69 | लोहा एवं मैंगनीज |
| 7 | Lead & Zinc | 2 | 10 | 12300 | 11800 | 95.93 | 1.18 | सीसा एवं ज़स्ता |
| 8 | Limestone | 497 | 1481 | 1699396 | 1408963 | 82.91 | 0.95 | चूना पत्थर |
| 9 | Manganese Ore | 28 | 45 | 41600 | 36640 | 88.08 | 0.81 | मैंगनीज अयस्क |
| 10 | Magnesite | 5 | 1 | 770 | 534 | 69.35 | 0.53 | मैग्नेसाइट |
| 11 | Others | 71 | 96 | 75580 | 59584 | 78.84 | 0.62 | अन्य |
| **Total** | | **882** | **1893** | **2548727** | **2083199** | **81.73** | **1.10** | **कुल** |

Source: Indian Minerals Industry at a Glance 2015-16, Indian Bureau of Mines

स्रोत : एक नजर में भारतीय खनिज उद्योग 2015-16, भारतीय खान ब्यूरो

## Statement 6.03: Afforestation in Metalliferous Mines (By Principal Minerals)
## विवरण 6.03 : धातुमय खदानों में वनरोपण (प्रधान खनिजों के अनुसार )

during 2016-17 के दौरान

| Sl. N. क्र. सं. | Minerals | Area Covered शामिल किया गया क्षेत्रफल (in Hects. /हेक्टेयर में) | Trees Planted लगाए गए वृक्ष (Nos. /संख्या) | Trees Survived वृक्ष जो जिंदा हैं ( Nos./संख्या) | Survival उत्तरजीविता | | खनिज |
|---|---|---|---|---|---|---|---|
| | | | | | (%) (प्रतिशत) | ('000 trees per hectare/ प्रति हेक्टेयर वृक्ष) | |
| 1 | Bauxite | 3062 | 8804376 | 6719872 | **76** | 2.19 | बॉक्साइट |
| 2 | Chromite | 1288 | 3720497 | 2594570 | **70** | 2.01 | क्रोमाइट |
| 3 | Copper | 442 | 1870740 | 1182512 | **63** | 2.68 | तांबा |
| 4 | Dolomite | 401 | 576978 | 377279 | **65** | 0.94 | डोलोमाइट |
| 5 | Gold | 466 | 938652 | 657242 | **70** | 1.41 | सोना |
| 6 | Iron Ore | 12521 | 53694651 | 35248587 | **66** | 2.82 | लौह अयस्क |
| 7 | Iron & Manganese | 302 | 1250820 | 975719 | **78** | 3.23 | लोहा एवं मैंगनीज |
| 8 | Lead & Zinc | 1619 | 945440 | 810766 | **86** | 0.50 | सीसा एवं ज़स्ता |
| 9 | Limestone | 30397 | 31781557 | 22642789 | **71** | 0.74 | चूना पत्थर |
| 10 | Manganese Ore | 2613 | 6912174 | 4502459 | **65** | 1.72 | मैंगनीज अयस्क |
| 11 | Magnesite | 604 | 542977 | 364873 | **67** | 0.60 | मैग्नेसाइट |
| 12 | Pyrite | 7 | 20750 | 14715 | **71** | 2.10 | पाइराइट |
| 13 | Others | 4274 | 4641896 | 3021335 | **65** | 0.71 | अन्य |
| **Total** | | **57996** | **115701508** | **79112718** | **68** | **1.36** | **कुल** |

Source: Indian Minerals Industry at a Glance 2016-17, Indian Bureau of Mines

स्रोत : एक नजर में भारतीय खनिज उद्योग 2016-17, भारतीय खान ब्यूरो

**Statement 6.04: Progress of afforestation through successive plans**

**विवरण 6.04 : उत्तरोत्तर योजनाओं के माध्यम से वनरोपण की प्रगति**

( 1 sq. km = 100 hectares )

(एक वर्गकिलोमीटर = 100 हेक्टेयर)

| Plan Period योजना अवधि | Area Afforested In Plan Period ('000 hectares.) योजना अवधि में वनरोपित क्षेत्रफल ('000 हेक्टेयर) | Cumulative ('000 hectares.) संचयी ('000 हेक्टेयर) | Afforestation Expenditure In Plan Period (Rs Crores) योजना अवधि में वनरोपण पर व्यय (करोड़ रुपए में) | Cumulative (Rs Crores) संचयी (करोड़ रुपए में) |
|---|---|---|---|---|
| 1951-56 | 52 | 52 | 1.28 | 1.28 |
| 1956-61 | 311 | 363 | 6.86 | 8.14 |
| 1961-66 | 583 | 946 | 21.13 | 29.27 |
| 1966-69 | 453 | 1399 | 23.02 | 52.29 |
| 1969-74 | 714 | 2113 | 44.34 | 96.63 |
| 1974-79 | 1221 | 3334 | 107.28 | 203.91 |
| 1979-80 | 222 | 3556 | 37.10 | 241.01 |
| 1980-85 | 4650 | 8206 | 926.01 | 1167.02 |
| 1985-90 | 8863 | 17069 | 2426.63 | 3593.65 |
| 1990-91 | 1387 | 18456 | 627.79 | 4221.44 |
| 1991-92 | 1725 | 20181 | 705.72 | 4927.16 |
| 1992-97 | 7950 | 28131 | 3686.40 | 8613.56 |
| 1997-02 | 8050 | 36181 | 7350.5* | 15964.06 |
| 2002-03 | 405 | 36586 | 151.26 | 16115.32 |
| 2003-04 | 283 | 36869 | 207.98 | 16323.30 |
| 2004-05 | 107 | 36976 | 233.00 | 16556.30 |
| 2005-06 | 54 | 37030 | 248.12 | 16804.42 |
| 2006-07 | 0 | 37030 | 292.75 | 17097.17 |
| 2007-08 | 493 | 37523 | 392.95 | 17490.12 |
| 2008-09 | 173 | 37696 | 345.62 | 17835.74 |
| 2009-10 | 104 | 37800 | 318.17 | 18153.91 |
| 2010-11 | 57 | 37857 | 309.99 | 18463.90 |
| 2011-12 | 141 | 37998 | 303.00 | 18766.90 |
| 2012-13 | 56 | 38054 | 193.37 | 18960.27 |
| 2013-14 | 81 | 38135 | 257.62 | 19217.89 |
| 2014-15 | 74 | 38209 | 243.78 | 19461.67 |
| 2015-16 | 36 | 38245 | 94.16 | 19555.83 |

Source : Ministry of Environment, Forests and Climate Change

स्रोत : पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

* Figures of Allocation.

**Statement 6.05: National Interventions for Sustainable Development and Mitigation of Climate Change**

**विवरण 6.05 : संपोषणीय विकास एवं जलवायु परिवर्तन के उपशमन के लिए राष्ट्रीय हस्तक्षेप**

| Measures | | Education शिक्षा | Financial वित्तीय | Health स्वास्थ्य | Urban शहरी | Water जल | Energy ऊर्जा | Renewable Energy नवीकरणीय ऊर्जा | Alternate Fuels वैकल्पिक ईंधन | Energy Conservation ऊर्जा संरक्षण | Industry उद्योग | Forestry वानिकी | Transport परिवहन | Agriculture कृषि | Cross Sectoral अंतः क्षेत्रक | Waste अपशिष्ट | Total कुल | उपाय |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Regulatory Measures विनियामक उपाय | Acts | | | | | | 1 | | | | | 1 | | | | | **2** | अधिनियम |
| | Market Development | | 1 | | 6 | | | | | | | | 1 | | | | **8** | बाजार विकास |
| | Regulations/ Notifications/ Rules | 2 | 1 | 3 | 3 | 1 | 8 | 8 | 3 | 1 | | 2 | 6 | 4 | | 4 | **46** | विनियम/अधिसूचनाएं/ नियम |
| | Standards & Levels | | | | | | 2 | | | 1 | | | | | | | **3** | मानक एवं स्तर |
| | System Efficiency Measures | | | | | | 5 | 1 | | | 6 | | 3 | 5 | 2 | 3 | **25** | प्रणाली दक्षता के उपाय |
| Economic and Fiscal आर्थिक एवं राजकोषीय | Tax | | | | | | 1 | | | | | | | | | | **1** | कर |
| | Price | | | | | | 4 | 2 | 2 | | | | | | | | **8** | मूल्य |
| | Directed Financial Incentives/ Subsidy | | 6 | | 1 | | 5 | 3 | | | 1 | | 3 | | 2 | | **21** | निदेशित वित्तीय प्रोत्साहन / सब्सिडी |
| | Emission Trading | | | | | | 2 | | | | 1 | | | | | | **3** | उत्सर्जन व्यापार |
| | Certificates | | | | | | 2 | | | | | | | | | | **2** | प्रमाण पत्र |
| Green Cover & Land Use हरित आच्छादन एवं भूमि प्रयोग | Afforestation/ Reforestation | | | | | | | | | | | 2 | | | | | **2** | वनरोपण / पुनर्वनरोपण |
| | Avoiding deforestation/ land reclamation | | | | | | | | | | | 1 | | | | | **1** | वनोन्मूलन / भूमि उद्धार से बचना |
| | Others | | | | | | | | | | | 2 | | | | | **2** | अन्य |
| Supportive Measures सहायक उपाय | Market Development | | | | | | 1 | 2 | | | 4 | | | 1 | | | **8** | बाजार विकास |
| | Co-operative Measures | | | | | | | | | | 1 | | | | | | **1** | सहकारी उपाय |
| | Capacity Building | | | | | | 1 | | | | 1 | | | 1 | | | **3** | क्षमता निर्माण |
| | Research Development & Demonstration | | | | | | 3 | 1 | 1 | 3 | 4 | | 3 | 2 | | 1 | **18** | अनुसंधान विकास एवं प्रदर्शन |
| | Green Procurement | | | | | | 1 | | | | | | | | 3 | | **4** | हरित प्रापण |
| | Information, education and Publication | | | | | | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | | **12** | सूचना, शिक्षा एवं प्रकाशन |
| **Total** | | **2** | **8** | **3** | **10** | **1** | **37** | **19** | **7** | **7** | **19** | **9** | **17** | **14** | **9** | **8** | **170** | **कुल** |

*Source: India's Biennial Update Report to the United Nations Framework Convention on Climate Change, Ministry of Environment, Forest and Climate Change-2015 & 2018*

*स्रोत : जलवायु परिवर्तन पर संयुक्त राष्ट्र रूपरेखा अभिसमय को भेजी गई, भारतीय द्विवार्षिक रिपोर्ट, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय - 2015 और 2018*

**Statement 6.06: State-level Interventions for Sustainable Development and Mitigation of Climate Change**

**विवरण 6.06 : संपोषणीय विकास एवं जलवायु परिवर्तन के उपशमन के लिए राज्य स्तरीय हस्तक्षेप**

| Measures | | Fisheries मत्स्य पालन | Forest & Biodiversity वन और जैव विविधता | Health स्वास्थ्य | UrbanDevelopment शहरी विकास | Urban Development & Transport शहरी विकास और परिवहन | WaterResources जल संसाधन | Energy ऊर्जा | Rene wabl Energy नवीकरणीय ऊर्जा | Alternate Fuels वैकल्पिक ईंधन | Energy Conservation ऊर्जा संरक्षण | Industry उद्योग | Forestry वानिकी | Transport परिवहन | Agriculture कृषि | Waste अपशिष्ट | Total कुल | उपाय |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Regulatory Measures विनियामक उपाय | Acts | | | | | | | | | | | | | | | | **0** | अधिनियम |
| | Market Development | | | | | | 5 | | 2 | | | | | | | | **7** | बाजार विकास |
| | Regulations/ Notifications/ Rules | 1 | 6 | 3 | 2 | | 7 | 14 | 5 | | 2 | 28 | 3 | 3 | 16 | 12 | **102** | विनियम/अधिसूचनाएं/नियम |
| | Standards & Levels | | | | | | | | | | | | | | | | **0** | मानक एवं स्तर |
| | System Efficiency Measures | | 2 | | | | 3 | 21 | 3 | | 4 | 23 | | 1 | 13 | 18 | **88** | प्रणाली दक्षता के उपाय |
| Economic and Fiscal आर्थिक एवं राजकोषीय | Tax | | | | | | | | | | | | | | | | **0** | कर |
| | Price | | | | | | | 28 | | | | | | | | | **28** | मूल्य |
| | Directed Financial Incentives/ Subsidy | | | | | | | 2 | | | | 6 | | | | | **8** | निदेशित वित्तीय प्रोत्साहन / सब्सिडी |
| | Emission Trading | | | | | | | | | | | | | | | | **0** | उत्सर्जन व्यापार |
| | Certificates | | | | | | | 1 | | | | | | | | | **1** | प्रमाण पत्र |
| Green Cover & Land Use हरित आच्छादन एवं भूमि प्रयोग | Afforestation/ Reforestation | | | | | | | | | | | | 7 | | | | **7** | वनरोपण / पुनर्वनरोपण |
| | Avoiding deforestation/ land reclamation | | | | | | | | | | | | 3 | | | | **3** | वनोन्मूलन / भूमि उद्धार से बचना |
| | Others | | | | | | | | | | | 1 | 1 | | 1 | | **3** | अन्य |
| Supportive Measures सहायक उपाय | Economy & Fiscal | | | | | | | | 1 | | | | | | | | **1** | अर्थव्यवस्था और राजकोषीय |
| | Market Development | | | | | | | 6 | 5 | | 3 | 15 | | | 6 | 8 | **43** | बाजार विकास |
| | Regulations/ Notifications/ Rules | 1 | 2 | 3 | 1 | 2 | 3 | | 1 | | | 2 | | | 4 | | **19** | विनियम/अधिसूचनाएं/नियम |
| | System Efficiency | | | | | | 2 | | 1 | | | | | | 2 | | **5** | सिस्टम की क्षमता |
| | Co-operative Measures | | | | | | | | | | | 3 | | | | | **3** | सहकारी उपाय |
| | Capacity Building | | | | | | | 2 | | | 1 | 2 | | | 3 | | **8** | क्षमता निर्माण |
| | Research Development & Demonstration | | | | | | | 6 | 2 | 1 | 3 | 5 | | | 4 | | **21** | अनुसंधान विकास एवं प्रदर्शन |
| | Green Procurement | | | | | | | 1 | | | | | | | | | **1** | हरित प्रापण |
| | Information, education and Publication | | | | | | | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 3 | | **12** | सूचना, शिक्षा एवं प्रकाशन |
| **Total** | | **2** | **10** | **6** | **3** | **2** | **20** | **82** | **22** | **2** | **15** | **86** | **15** | **5** | **52** | **38** | **360** | कुल |

*Source:India's Biennial Update Report to the United Nations Framework Convention on Climate Change, Ministry of Environment, Forest and Climate Change- 2015 & 2018*

*स्रोत : जलवायु परिवर्तन पर संयुक्त राष्ट्र रूपरेखा अभिसमय को भेजी गई , भारतीय द्विवार्षिक रिपोर्ट, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय -2015 और 2018*

**Statement 6.07: MEAs and other global environmental conventions endorsed by India**

**विवरण 6.07 : बहुपक्षीय पर्यावरण करार तथा अन्य वैश्विक पर्यावरणीय अभिसमय जिनका भारत ने समर्थन किया है**

| S. No. क्र. सं. | Cluster Name क्लस्टर का नाम | Major Global Multilateral Environment Agreements (MEAs) | प्रमुख वैश्विक बहुपक्षीय पर्यावरण करार (एमईए) |
|---|---|---|---|
| I | Nature Conservation संरक्षण का स्वरूप | Convention on international Trade in Endangered Species of Fauna and Flora (CITES) | जीव-जंतुओं एवं वनस्पतियों की संकटग्रस्त प्रजातियों में अंतर्राष्ट्रीय व्यापार पर अभिसमय |
| | | The Wildlife Trade Monitoring Network (TRAFFIC) | वन्य जीव निगरानी नेटवर्क |
| | | Convention on the Conservation of Migratory Species of Wild Animals (also known as Bonn convention ) | वन्य पशुओं की प्रवासी प्रजातियों के संरक्षण पर अभिसमय (बॉन सम्मेलन के रूप में भी जाना जाता है)) |
| | | Coalition Against Wildlife Trafficking (CAWT) | वन्य जीव दुर्व्यापार के विरुद्ध गठबंधन |
| | | Convention on Biological Diversity (CBD) | जैव विविधता पर अभिसमय |
| | | International Tropical Timber Agreement (ITTA) | अंतर्राष्ट्रीय उष्णकटिबंधीय टिंबर समझौता |
| | | United Nation Forum on Forests (UNFF) | संयुक्त राष्ट्र वन फोरम |
| | | The International Treaty on Plant Genetic Resources for Food and Agriculture | खाद्य एवं कृषि के लिए पादप आनुवंशिक संसाधन पर अंतर्राष्ट्रीय संधि |
| | | Convention on Wetlands (popularly known as the Ramsar Convention) | दलदली भूमि पर अभिसमय (जो रम्सार अभिसमय के नाम से विख्यात है) |
| | | World Heritage Convention (WHC) | विश्व विरासत अभिसमय |
| | | International Plant Protection Convention (IPCC) | अंतर्राष्ट्रीय पादप संरक्षण अभिसमय |
| | | International Whaling Commission (IWC) | अंतर्राष्ट्रीय ह्वेल आखेट आयोग |
| | | The Nagoya Protocol on Access to Genetic Resource and the Fair and Equitable Sharing on Benefit Arising from their Utilization to the Convention on Biological Diversity. | आनुवंशिक संसाधनों तक पहुंच और जैव विविधता पर अभिसमय पर उनके उपयोग से उत्पन्न लाभ की उचित एवं साम्यपूर्ण हिस्सेदारी पर नगोया प्रोटोकॉल |
| | | The Cartagena Protocol on Biosafety | जैव सुरक्षा पर कार्टाजेना प्रोटोकॉल |
| | | International Union for Conservation of Nature and Natural Resources (IUCN) | अंतर्राष्ट्रीय प्रकृति एवं प्राकृतिक संसाधन संरक्षण संघ |
| | | Global Tiger Forum (GTF) | वैश्विक चीता मंच |
| II | | Minamata Convention on Mercury | पारे पर मीनामता सम्मेलन |
| | | Strategic Approach to International Chemicals Management (SAICM) | अंतर्राष्ट्रीय रासायनिक प्रबंधन के प्रति रणनीतिक दृष्टिकोण |
| | | Stockholm Convention on Persistent Organic Pollutants (POPs) | दीर्घस्थायी जैविक प्रदूषकों पर स्टॉकहोम अभिसमय |
| | | Basel Convention on the Control of Trans- boundary Movement of Hazardous Waste and Their Disposal | घातक अपशिष्ट के सीमापारीय संचलन एवं उनके निस्तारण के नियंत्रण पर बासेल अभिसमय |
| | | Rotterdam Convention (on Prio Informed Consent (PIC) for certain Hazardous Chemical and Pesticides in International Trade) | रोटरडम अभिसमय (अंतर्राष्ट्रीय व्यापार में कतिपय घातक रसायनों एवं कीटनाशकों के लिए पूर्व सूचित सहमति पर) |
| III | Atmospheric Emissions वायुमंडलीय उत्सर्जन | United Nations Framework Convention on Climate Change (UNFCCC) | जलवायु परिवर्तन पर संयुक्त राष्ट्र रूपरेखा अभिसमय |
| | | Kyoto Protocol under UNFCCC | यूएनएफसीसीसी के तहत क्योटो प्रोटोकॉल |
| | | United Nations Convention to Combat Desertification (UNCCD) | मरुस्थलीकरण से निपटने के लिए संयुक्त राष्ट्र अभिसमय |
| | | Montreal Protocol (on Ozone Depleting Substances) | मॉन्ट्रियल प्रोटोकॉल (ओजोन ह्रासन पदार्थ पर) |
| | | Paris Agreement under UNFCCC | यूएनएफसीसीसी के तहत पेरिस करार |

*Source:India First Biennial Update Report to the United Nations Framework Convention on Climate Change, Ministry of Environment, Forest and Climate Change- December 2015*

*स्रोत : जलवायु परिवर्तन पर संयुक्त राष्ट्र रूपरेखा अभिसमय को भेजी गई पहली भारतीय द्विवार्षिक रिपोर्ट, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय - दिसंबर 2015*

## Statement 6.08: Regulated Pollutants in India
## विवरण 6.08 : भारत में विनियमित प्रदूषक

| Year of Notification अधिसूचना का वर्ष | | | 1994 | | | 2009 | | Method of measurement | माप की विधि |
|---|---|---|---|---|---|---|---|---|---|
| S. No. क्र. सं. | Pollutant प्रदूषक | Time Weighted Average समय भारित औसत | Concentration in ambient air परिवेशी वायु में सांद्रण | | | Concentration in ambient air परिवेशी वायु में सांद्रण | | | |
| | | | Industrial Area औद्योगिक क्षेत्र | Residential, Rural & other Area आवासीय, ग्रामीण एवं अन्य क्षेत्र | Sensitive areas संवेदनशील क्षेत्र | Industrial, Residential, Rural & Other Areas औद्योगिक, आवासीय, ग्रामीण एवं अन्य क्षेत्र | Notified Ecologically Sensitive areas पारिस्थितिक दृष्टि से अधिसूचित संवेदनशील क्षेत्र | | |
| 1. | Sulphur Dioxide सल्फर डाइऑक्साइड($SO_2$), µg/$m^3$ | Annual* | 80 | 60 | 15 | 50 | 20 | -Improved West and Gaeke | बेहतर पश्चिम एवं गाएक |
| | | 24 hours** | 120 | 80 | 30 | 80 | 80 | -Ultraviolet fluorescence | -अल्ट्रावाइलेट प्रतिदीप्ति |
| 2. | Nitrogen Dioxide नाइट्रोजन डाइऑक्साइड ($NO_2$) , µg/$m^3$ | Annual* | 80 | 60 | 15 | 40 | 30 | -Modified Jacob & Hochheiser (Na-Arsenite) | संशोधित जैकब एवं होछेसर (सोडियम-अर्सेनाइट) |
| | | 24 hours** | 120 | 80 | 30 | 80 | 80 | -Chemiluminescence | - केमिलुमिनेंस |
| 3. | Suspended Particulate Matter निलंबित कणिकीय पदार्थ(SPM), µg/$m^3$ | Annual* | 360 | 140 | 70 | | | -Average flow rate not less than 1.1 $m^3$/minute | - औसत प्रवाह दर 1.1 घनमीटर प्रति मिनट से कम नहीं |
| | | 24 hours** | 500 | 200 | 100 | | | | |
| 4. | Particulate matter (size less than 10 µm) or $PM_{10}$, µg/$m^3$ | Annual* | 120 | 60 | 50 | 60 | 60 | -Gravimetric | - ग्रैविमेट्रिक |
| | | | | | | | | -TOEM | - टीओईएम |
| | | 24 hours** | 150 | 100 | 75 | 100 | 100 | -Beta attenuation | - बीटा क्षीणन |
| 5. | Particulate matter (size less than 2.5 µm) कणिकीय पदार्थ (जिनका प्रमाप 10 µm से कम नहीं है)or $PM_{2.5}$, µg/$m^3$ | Annual* | 120 | 60 | 50 | 40 | 40 | -Gravimetric | - ग्रैविमेट्रिक |
| | | | | | | | | -TOEM | - टीओईएम |
| | | 24 hours** | 150 | 100 | 75 | 60 | 60 | -Beta attenuation | - बीटा क्षीणन |
| 6. | Ozone ओजोन ($O_3$) , µg/$m^3$ | 8 hours** | | | | 100 | 100 | -UV photometric | - यूवी फोटोमेट्रिक |
| | | | | p | | | | -Chemilminescence | - केमिलुमिनेंस |
| | | 1 hour** | | | | 180 | 180 | -Chemical Method | - रासायनिक विधि |
| 7. | Lead सीसा (Pb), µg/$m^3$ | Annual* | 1 | 0.75 | 0.5 | 0.50 | 0.50 | --AAS Method after sampling using EPM 2000 or equivalent filter paper | -- ईपीएम 2000 या समतुल्य फिल्टर पेपर का प्रयोग करके नमूना लेने के बाद एएएस विधि |
| | | 24 hours** | 1.5 | 1 | 0.75 | 1.0 | 1.0 | -ED-XRF using Teflon filter | - टेफलॉन फिल्टर का प्रयोग करके ED-XRF |

| Year of Notification का वर्ष | | अधिसूचना | 1994 | | | 2009 | | Method of measurement | माप की विधि |
|---|---|---|---|---|---|---|---|---|---|
| S. No. क्र. सं. | Pollutant प्रदूषक | Time Weighted Average समय भारित औसत | Concentration in ambient air परिवेशी वायु में सांद्रण | | | Concentration in ambient air परिवेशी वायु में सांद्रण | | | |
| | | | Industrial Area औद्योगिक क्षेत्र | Residential, Rural & other Area आवासीय, ग्रामीण एवं अन्य क्षेत्र | Sensitive areas संवेदनशील क्षेत्र | Industrial, Residential, Rural & Other Areas औद्योगिक, आवासीय, ग्रामीण एवं अन्य क्षेत्र | Notified Ecologically Sensitive areas पारिस्थितिक दृष्टि से अधिसूचित संवेदनशील क्षेत्र | | |
| 8. | Carbon Monoxide कार्बन मोनोऑक्साइड (CO), mg/$m^3$ | 8 hours** | 5 | 2 | 1 | 02 | 02 | -Non dispersive infrared (NDIR) spectroscopy | - गैर परिक्षेपी इंफ्रारेड (एनडीआईआर) स्पैक्ट्रोस्कोपी |
| | | 1 hour** | 10 | 4 | 2 | 04 | 04 | | |
| 9. | Ammonia अमोनिया, µg/$m^3$ | Annual* | | | | 100 | 100 | -Chemiluminescence | - केमिलुमिनेंस |
| | | 24 hours** | | | | 400 | 400 | -Indophenol blue Method | इन्डोफीनॉल नील विधि |
| 10. | Benzene बेन्जीन ($C_6H_6$), µg/$m^3$ | Annual* | | | | 05 | 05 | -Gas chromatography based continuous analyzer | - गैस क्रोमैटोग्रैफी आधारित सतत विश्लेषक |
| | | | | | | | | -Adsorption and Desorption followed by GC analysis | - जीसी विश्लेषण के बाद अधिशोषण एवं विशोषण |
| 11 | Benzo(a)Pyrene (BaP) - particulate phase only, बेन्ज़ो (a) पाइरीन (BaP) - केवल कणिकीय चरण ng/$m^3$ | Annual* | | | | 01 | 01 | -Solvent extraction followed by HPLC/GC analysis | - एचपीएलसी/जीसी विश्लेषण के बाद विलायक निष्कर्षण |
| 12. | Arsenic आर्सेनिक(As), ng/$m^3$ | Annual* | | | | 06 | 06 | -AAS/ICP method after sampling on EPM 2000 or equivalent filter paper | - ईपीएम 2000 या समतुल्य फिल्टर पेपर पर नमूना लेने के बाद एएएस/आईसीपी विधि |
| 13. | Nickel(Ni) निकैल, ng/$m^3$ | Annual* | | | | 20 | 20 | -AAS/ICP method after sampling on EPM 2000 or equivalent filter paper | - ईपीएम 2000 या समतुल्य फिल्टर पेपर पर नमूना लेने के बाद एएएस/आईसीपी विधि |

*Source: National Ambient Air Quality Standards, first notified in 1994 and last revised in 2009*

*स्रोत : राष्ट्रीय परिवेशी वायु गुणवत्ता मानक जो पहली बार 1994 में अधिसूचित किए गए और 2009 में अंतिम बार संशोधित किए गए*

* : Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

**: 24 hourly or 8 hourly or 1 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

Note: Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further investigation.

## Statement 6.09: State-wise soil-testing facilities
## विवरण 6.09 : मृदा परीक्षण की राज्यवार सुविधाएं

Year/वर्ष-2013-14

| Name of State | No of Soil testing laboratories मृदा परीक्षण प्रयोगशालाओं की संख्या | | | | Total कुल | | | Annual Analyzing capacity in '000' वार्षिक विश्लेषण क्षमता ('000' में) | Sample Analyzed '000' नमूने जिनका विश्लेषण किया गया ('000' में) | Capacity Utilization क्षमता उपयोग ('000' में) | राज्य का नाम |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | State Govt. राज्य सरकार | | Fert. Industry उर्वरक उद्योग | | | | | | | | |
| | Static स्थिर | Mobile मोबाइल | Static स्थिर | Mobile मोबाइल | Static स्थिर | Mobile मोबाइल | Total कुल | | | | |
| **South Zone** | | | | | | | | | | | **दक्षिणांचल** |
| Andhra Pradesh | 55 | 5 | 27 | 1 | 82 | 6 | 88 | 413.00 | 345.79 | 83.73 | आंध्र प्रदेश |
| Karnataka | 56 | - | 6 | 2 | 62 | 2 | 64 | 295.66 | 194.81 | 65.89 | कर्नाटक |
| Kerala | 14 | 11 | 1 | - | 15 | 11 | 26 | 218.00 | 134.68 | 61.78 | केरल |
| Tamil Nadu | 30 | 16 | 1 | 1 | 31 | 17 | 48 | 5796.72 | 4823.54 | 83.21 | तमिलनाडु |
| Puducherry | 2 | - | - | - | 2 | - | 2 | 4.00 | 4.41 | 110.25 | पुद्दुचेरी |
| **Total** | **157** | **32** | **35** | **4** | **192** | **36** | **228** | **6727.38** | **5503.23** | **81.80** | **कुल** |
| **West Zone** | | | | | | | | | | | **पश्चिमांचल** |
| Chhattisgarh | 7 | 5 | 1 | - | 8 | 5 | 13 | 105.00 | 116.02 | 110.50 | छत्तीसगढ़ |
| Goa | 2 | - | - | - | 2 | - | 2 | 23.00 | 14.96 | 65.04 | गोवा |
| Gujarat | 132 | 2 | 4 | 1 | 136 | 3 | 139 | 1412.00 | 1199.13 | 84.92 | गुजरात |
| Madhya Pradesh | 50 | 7 | 2 | 4 | 52 | 11 | 63 | 378.00 | 346.52 | 91.67 | मध्य प्रदेश |
| Maharashtra | 123 | 23 | 8 | 4 | 131 | 27 | 158 | 2241.35 | 967.27 | 43.16 | महाराष्ट्र |
| Rajasthan | 34 | 22 | 1 | 2 | 35 | 24 | 59 | 536.00 | 402.69 | 75.13 | राजस्थान |
| **Total** | **348** | **59** | **16** | **11** | **364** | **70** | **434** | **4695.35** | **3046.59** | **64.89** | **कुल** |
| **North Zone** | | | | | | | | | | | **उत्तरांचल** |
| Delhi | 1 | - | - | - | 1 | - | 1 | 5.00 | 0.46 | 9.20 | दिल्ली |
| Haryana | 35 | 3 | 2 | - | 37 | 3 | 40 | 365.00 | 247.89 | 67.92 | हरियाणा |
| Himachal Pradesh | 11 | 4 | - | - | 11 | 4 | 15 | 125.00 | 124.38 | 99.50 | हिमाचल प्रदेश |
| Jammu & Kashmir | 8 | 5 | - | - | 8 | 5 | 13 | 52.00 | 43.61 | 83.87 | जम्मू एवं कश्मीर |
| Punjab | 54 | 12 | 2 | 3 | 56 | 15 | 71 | 631.50 | 282.11 | 44.67 | पंजाब |
| Uttar Pradesh | 255 | 18 | 5 | 3 | 260 | 21 | 281 | 4159.50 | 3404.58 | 81.85 | उत्तर प्रदेश |
| Uttarakhand | 13 | 3 | - | - | 13 | 3 | 16 | 106.54 | 95.23 | 89.38 | उत्तराखंड |
| **Total** | **377** | **45** | **9** | **6** | **386** | **51** | **437** | **5444.54** | **4198.26** | **77.11** | **कुल** |
| **East Zone** | | | | | | | | | | | **पूर्वांचल** |
| Bihar | 39 | - | - | - | 39 | - | 39 | 230.00 | 248.71 | 108.13 | बिहार |
| Jharkhand | 8 | - | - | - | 8 | - | 8 | 40.00 | 10.67 | 26.68 | झारखंड |
| Odisha | 17 | 6 | 1 | - | 18 | 6 | 24 | 270.00 | 255.06 | 94.47 | ओडिशा |
| West Bengal | 10 | 8 | - | 2 | 10 | 10 | 20 | 112.40 | 60.43 | 53.76 | पश्चिम बंगाल |
| **Total** | **74** | **14** | **1** | **2** | **75** | **16** | **91** | **652.40** | **574.87** | **88.12** | **कुल** |
| **NE Zone** | | | | | | | | | | | **पूर्वोत्तर क्षेत्र** |
| Arunachal Pradesh | 5 | 3 | - | - | 5 | 3 | 8 | 9.00 | 7.86 | 87.33 | अरुणाचल प्रदेश |
| Assam | 7 | 4 | - | - | 7 | 4 | 11 | 84.00 | 60.76 | 72.33 | असम |
| Manipur | 4 | 4 | - | - | 4 | 4 | 8 | 40.00 | 1.37 | 3.43 | मणिपुर |
| Meghalaya | 3 | 3 | - | - | 3 | 3 | 6 | 30.00 | 27.65 | 92.17 | मेघालय |
| Mizoram | 3 | 3 | - | - | 3 | 3 | 6 | 27.00 | 25.00 | 92.59 | मिजोरम |
| Nagaland | 3 | 0 | - | - | 3 | 0 | 3 | 45.00 | 14.30 | 31.78 | नागालैंड |
| Sikkim | 4 | 2 | - | - | 4 | 2 | 6 | 37.00 | 39.87 | 107.76 | सिक्किम |
| Tripura | 2 | 4 | - | - | 2 | 4 | 6 | 35.00 | 17.54 | 50.11 | त्रिपुरा |
| **Total** | **31** | **23** | **0** | **0** | **31** | **23** | **54** | **307.00** | **194.35** | **63.31** | **कुल** |
| **Grand Total** | **987** | **173** | **61** | **23** | **1048** | **196** | **1244** | **17826.67** | **13517.30** | **75.83** | **कुल योग** |

Source: Compendium of Soil Health- 2013-14, Department of Agriculture Cooperation and Farmers Welafre (Integrated Nutrient Management Division)

स्रोत : मृदा स्वास्थ्य संग्रह-2013-14, कृषि सहयोग एवं किसान कल्याण विभाग (समेकित पोषक प्रबंध प्रभाग)

## Statement 6.10: State-wise Status of Soil Health Card Scheme
## विवरण 6.10 : मृदा स्वास्थ्य कार्ड योजना की राज्यवार स्थिति

| Sl. No. क्र. सं. | States/UT | Cycle/ चक्र- I (2015-16 & 2016-17) as on 30.06.2018 | | | Cycle/चक्र - II (2017-19) as on 05.03.2019 | | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|---|---|
| | | No. of Samples Collected एकत्रित नमूनों की संख्या | No. of Samples Tested जांच किए गए नमूनों की संख्या | No. of SHCs Printed मुद्रित एसएचसी की संख्या | No. of Samples Collected एकत्रित नमूनों की संख्या | No. of Samples Tested जांच किए गए नमूनों की संख्या | No. of SHCs Printed मुद्रित एसएचसी की संख्या | |
| 1 | Andhra Pradesh | 1348382 | 1348382 | 7455204 | 1357706 | 1357706 | 6799191 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 20532 | 20532 | 20532 | 14722 | 8005 | 55 | अरुणाचल प्रदेश |
| 3 | Assam | 278707 | 278707 | 1300901 | 284778 | 193767 | 397135 | असम |
| 4 | Bihar | 1308778 | 1308778 | 6469650 | 1308778 | 862521 | 3689859 | बिहार |
| 5 | Chhattisgarh | 703691 | 703691 | 3890709 | 948918 | 901843 | 4718566 | छत्तीसगढ़ |
| 6 | Goa | 25000 | 25000 | 25000 | 12000 | 12000 | 12000 | गोवा |
| 7 | Gujarat | 1589236 | 1589236 | 5108923 | 1675730 | 1394545 | 4750060 | गुजरात |
| 8 | Haryana | 788670 | 788670 | 4227238 | 1245100 | 1162169 | 1507837 | हरियाणा |
| 9 | Himachal Pradesh | 69635 | 69635 | 385011 | 100000 | 100000 | 770413 | हिमाचल प्रदेश |
| 10 | Jammu & Kashmir | 160687 | 160687 | 692062 | 153964 | 132530 | 908873 | जम्मू एवं कश्मीर |
| 11 | Jharkhand | 115302 | 115302 | 637507 | 88790 | 72640 | 233428 | झारखंड |
| 12 | Karnataka | 1665765 | 1665765 | 7832189 | 1665766 | 1618790 | 6597597 | कर्नाटक |
| 13 | Kerala | 127585 | 127585 | 763435 | 80095 | 62638 | 747213 | केरल |
| 14 | Madhya Pradesh | 2313977 | 2313977 | 8872377 | 2315844 | 2219361 | 7075713 | मध्य प्रदेश |
| 15 | Maharashtra | 2347121 | 2347121 | 12977232 | 2851525 | 2851525 | 10591688 | महाराष्ट्र |
| 16 | Manipur | 20713 | 20713 | 114522 | 9195 | 8694 | 24196 | मणिपुर |
| 17 | Meghalaya | 39372 | 39372 | 209561 | 39372 | 39042 | 191128 | मेघालय |
| 18 | Mizoram | 11986 | 11986 | 11986 | 10866 | 9720 | 13681 | मिजोरम |
| 19 | Nagaland | 33423 | 33423 | 184797 | 41123 | 39223 | 38000 | नागालैंड |
| 20 | Odisha | 668635 | 668635 | 2374233 | 540412 | 483891 | 1207490 | ओडिशा |
| 21 | Punjab | 835526 | 835526 | 1251726 | 835526 | 662305 | 641018 | पंजाब |
| 22 | Rajasthan | 2308013 | 2308013 | 6886000 | 2782000 | 2560000 | 7410000 | राजस्थान |
| 23 | Sikkim | 13217 | 13217 | 46000 | 6609 | 3079 | 0 | सिक्किम |
| 24 | Tamil Nadu | 1274536 | 1274536 | 7000000 | 1300037 | 1270913 | 6245846 | तमिलनाडु |
| 25 | Telangana | 1034678 | 1034678 | 5720737 | 960614 | 906801 | 2852196 | तेलंगाना |
| 26 | Tripura | 32736 | 32736 | 117723 | 32736 | 32736 | 117723 | त्रिपुरा |
| 27 | Uttar Pradesh | 4770399 | 4770399 | 16991346 | 4867442 | 4560957 | 17394027 | उत्तर प्रदेश |
| 28 | Uttarakhand | 135738 | 135738 | 750494 | 137019 | 137019 | 854336 | उत्तराखंड |
| 29 | West Bengal | 1300349 | 1300349 | 5040510 | 1082000 | 793000 | 2893000 | पश्चिम बंगाल |
| 30 | Andaman And Nicobar Island | 1405 | 1405 | 10000 | 1406 | 1406 | 5900 | अंडमान एवं निकोबार दीप समूह |
| 31 | Dadra & Nagar Haveli | 2222 | 2222 | 2222 | 2816 | 0 | 0 | दादरा एवं नगर हवेली |
| 32 | Puducherry | 3530 | 3530 | 19594 | 4525 | 4301 | 2200 | पुद्दुचेरी |
| **Total** | | **25349546** | **25349546** | **107389421** | **26757414** | **24463127** | **88690369** | **कुल** |

Source: http://soilhealth.dac.gov.in, Ministry of Agriculture and Farmers Welfare,कृषि एवं किसान कल्याण मंत्रालय

SHC: Soil Health Card

**Statement 6.11: State- wise break-up of the energy parks and energy clubs**

**विवरण 6.11 : ऊर्जा पार्कों एवं ऊर्जा क्लबों का राज्यवार ब्यौरा**

as on 31.12.2015 तक की स्थिति के अनुसार

| Sl.No. क्र. सं. | State/UT | Energy Parks (No.) ऊर्जा पार्क (संख्या) | | Renewable Energy Clubs नवीकरणीय ऊर्जा क्लब (संख्या/No.)* | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|
| | | District Level* जिला स्तर* | State Level राज्य स्तर | | |
| 1 | Andhra Pradesh | 27 | - | 40 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 6 | 1 | - | अरुणाचल प्रदेश |
| 3 | Assam | 22 | 1 | - | असम |
| 4 | Bihar | 11 | - | 6 | बिहार |
| 5 | Chhattisgarh | 15 | 2 | 8 | छत्तीसगढ़ |
| 6 | Delhi | 8 | 1 | - | दिल्ली |
| 7 | Goa | 2 | - | 1 | गोवा |
| 8 | Gujarat | 14 | 1 | 27 | गुजरात |
| 9 | Haryana | 21 | 1 | 14 | हरियाणा |
| 10 | Himachal Pradesh | 9 | 2 | 2 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 15 | 2 | 3 | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 7 | 1 | - | झारखंड |
| 13 | Karnataka | 34 | 1 | 89 | कर्नाटक |
| 14 | Kerala | 16 | 1 | - | केरल |
| 15 | Madhya Pradesh | 27 | - | 31 | मध्य प्रदेश |
| 16 | Maharashtra | 52 | 1 | 66 | महाराष्ट्र |
| 17 | Manipur | 10 | - | - | मणिपुर |
| 18 | Meghalaya | 7 | 1 | | मेघालय |
| 19 | Mizoram | 7 | 1 | | मिजोरम |
| 20 | Nagaland | 6 | 1 | | नागालैंड |
| 21 | Odisha | 11 | 1 | 13 | ओडिशा |
| 22 | Punjab | 20 | 1 | 15 | पंजाब |
| 23 | Rajasthan | 12 | - | 10 | राजस्थान |
| 24 | Sikkim | 7 | 1 | | सिक्किम |
| 25 | Tamil Nadu | 21 | 1 | 124 | तमिलनाडु |
| 26 | Tripura | 9 | 1 | 8 | त्रिपुरा |
| 27 | Uttar Pradesh | 56 | 1 | 64 | उत्तर प्रदेश |
| 28 | Uttarakhand | 11 | 1 | | उत्तराखंड |
| 29 | West Bengal | 11 | 1 | 24 | पश्चिम बंगाल |
| 30 | Andaman And Nicobar Island | 5 | 1 | | अंडमान एवं निकोबार द्वीपसमूह |
| 31 | Chandigarh | 3 | 1 | 4 | चंडीगढ़ |
| 32 | Puducherry | 2 | 1 | 5 | पुद्दुचेरी |
| | **Total** | **484** | **29** | **554** | **कुल** |

Source : Annual Report , Ministry of New and Renewable Energy

स्रोत : वार्षिक रिपोर्ट, नवीन एवं नवीकरणीय ऊर्जा मंत्रालय

* data up to 2012

## Statement 6.12: State-wise Family- Type biogas plants installated

## विवरण 6.12 : पारिवारिक किस्म के स्थापित किए गए राज्यवार बायोगैस संयंत्र

| Sl. No. क्र. सं. | State/UT | Estimated potential अनुमानित विभव | Cumulative physical achievement as on (31-03-2017) संचयी भौतिक उपलब्धि (31-03-2017 तक की स्थिति के अनुसार) | Achievements during 2017-18 के दौरान उपलब्धियां | | राज्य/संघ राज्य क्षेत्र |
|---|---|---|---|---|---|---|
| | | | | Target लक्ष्य | Achs. उपलब्धि* | |
| 1 | Andhra Pradesh | 1065000 | 549235 | 6030 | 2250 | आंध्र प्रदेश |
| 2 | Arunachal Pradesh | 7500 | 3555 | 100 | 0 | अरुणाचल प्रदेश |
| 3 | Assam | 307000 | 130375 | 9000 | 4200 | असम |
| 4 | Bihar | 733000 | 129844 | 0 | NA | बिहार |
| 5 | Chhattisgarh | 400000 | 54825 | 2000 | 565 | छत्तीसगढ़ |
| 6 | Delhi | 12900 | 681 | 0 | NA | दिल्ली |
| 7 | Goa | 8000 | 4230 | 0 | NA | गोवा |
| 8 | Gujarat | 554000 | 433317 | 1600 | 641 | गुजरात |
| 9 | Haryana | 300000 | 62085 | 0 | NA | हरियाणा |
| 10 | Himachal Pradesh | 125000 | 47650 | 100 | 25 | हिमाचल प्रदेश |
| 11 | Jammu & Kashmir | 128000 | 3163 | 0 | NA | जम्मू एवं कश्मीर |
| 12 | Jharkhand | 100000 | 7579 | 350 | 43 | झारखंड |
| 13 | Karnataka | 680000 | 491764 | 8000 | 1987 | कर्नाटक |
| 14 | Kerala | 150000 | 149568 | 2300 | 962 | केरल |
| 15 | Madhya Pradesh | 1491000 | 365689 | 8500 | 1910 | मध्य प्रदेश |
| 16 | Maharashtra | 897000 | 899472 | 9200 | 3414 | महाराष्ट्र |
| 17 | Manipur | 38000 | 2128 | 0 | NA | मणिपुर |
| 18 | Meghalaya | 24000 | 10196 | 800 | 0 | मेघालय |
| 19 | Mizoram | 5000 | 5412 | 300 | 146 | मिजोरम |
| 20 | Nagaland | 6700 | 7953 | 400 | 0 | नागालैंड |
| 21 | Odisha | 605000 | 270880 | 2400 | 542 | ओडिशा |
| 22 | Punjab | 411000 | 177445 | 3650 | 1310 | पंजाब |
| 23 | Rajasthan | 915000 | 71231 | 800 | 41 | राजस्थान |
| 24 | Sikkim | 7300 | 9044 | 400 | 0 | सिक्किम |
| 25 | Tamil Nadu | 615000 | 222870 | 250 | 0 | तमिलनाडु |
| 26 | Telangana | - | 22591 | 4100 | 0 | तेलंगाना |
| 27 | Tripura | 28000 | 3620 | 200 | 33 | त्रिपुरा |
| 28 | Uttar Pradesh | 1938000 | 440713 | 700 | 0 | उत्तर प्रदेश |
| 29 | Uttarakhand | 83000 | 21558 | 1000 | 789 | उत्तराखंड |
| 30 | West Bengal | 695000 | 366974 | 0 | NA | पश्चिम बंगाल |
| | **Union Territory** | | | | | **संघ राज्य क्षेत्र** |
| 1 | Andaman and Nicobar Islands | 1400 | 137 | 0 | NA | अंडमान एवं निकोबार दवीपसमूह |
| 2 | Chandigarh | 2200 | 97 | 0 | NA | चंडीगढ़ |
| 3 | Dadra and Nagar Haveli | 2000 | 169 | 0 | NA | दादरा एवं नगर हवेली |
| 4 | Puducherry | 4300 | 578 | 0 | 0 | पुद्दुचेरी |
| 5 | KVIC | - | - | 3000 | 1267 | केवीआईसी |
| | **Total** | **12339300** | **4966628** | **65180** | **20125** | **कुल** |

Source : Annual Report 2017-18, Ministry of New and Renewable Energy

स्रोत : वार्षिक रिपोर्ट 2017-18, नवीन एवं नवीकरणीय ऊर्जा मंत्रालय

* : (upto 31st Decembe / दिसंबर, 2017 तक)

## Statements 6.13: Status of germplasm holding in the base collection at National Genebank

## विवरण 6.13 : राष्ट्रीय जीन बैंक में आधार संग्रह में धारित जर्मप्लाज्म की स्थिति

| Crop/Crop group | No. of accessions conserved during the year वर्ष के दौरान संरक्षित परिग्रहण की संख्या | | | | | | | | | | | | Present status of total accessions conserved कुल संरक्षित परिग्रहण की वर्तमान स्थिति | | | | फसल/फसल समूह |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Regenerated पुनर्जनित | | | | New accession नया परिग्रहण | | | | No. of Species प्रजातियों की संख्या | | | | | | | | |
| | 2014 | 2015 | 2016 | 2017 | 2014 | 2015 | 2016 | 2017 | 2014 | 2015 | 2016 | 2017 | 2014 | 2015 | 2016 | 2017 | |
| Cereals | 4933 | 559 | 2272 | 3194 | 3559 | 2412 | 2068 | 1041 | 106 | 110 | 112 | 117 | 156266 | 158714 | 160775 | 161816 | अनाज |
| Millets | 26 | 258 | 2814 | 6804 | 948 | 486 | 5743 | 231 | 17 | 18 | 22 | 24 | 52003 | 52471 | 58212 | 58443 | बाजरा |
| Forages | 119 | 0 | 21 | 1 | 253 | 401 | 123 | 114 | 169 | 175 | 174 | 191 | 6287 | 6688 | 6811 | 6925 | चारा |
| Pseudocereals | 0 | 0 | 21 | 2 | 147 | 187 | 110 | 69 | 39 | 40 | 42 | 54 | 6927 | 7116 | 7226 | 7295 | छद्म अनाज |
| Legumes | 2266 | 390 | 2073 | 2448 | 1673 | 758 | 456 | 448 | 79 | 82 | 87 | 97 | 63983 | 64771 | 65227 | 65675 | फलियां |
| Oilseeds | 272 | 3139 | 2675 | 4808 | 1546 | 945 | 288 | 598 | 71 | 71 | 71 | 76 | 56714 | 57685 | 57973 | 58871 | तिलहन |
| Fibre corps | 0 | 373 | 79 | 526 | 280 | 345 | 1278 | 1195 | 59 | 59 | 69 | 68 | 12724 | 13099 | 14378 | 15573 | फाइबर कोर |
| VegeStatements | 83 | 103 | 1305 | 1525 | 614 | 407 | 531 | 493 | 175 | 182 | 191 | 208 | 24615 | 25047 | 25578 | 26071 | वेज स्टेटमेंट्स |
| Fruits & Nuts | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 63 | 63 | 63 | 65 | 272 | 272 | 272 | 273 | फल एवं नट |
| Medicinal, Aromatic plants & Narcotics | 0 | 139 | 391 | 338 | 476 | 354 | 550 | 107 | 649 | 650 | 661 | 665 | 6902 | 7274 | 7822 | 7929 | औषधीय, सगंध पादप एवं स्वापक |
| Ornamentals | 0 | 0 | 2 | 0 | 6 | 22 | 14 | 7 | 116 | 116 | 117 | 120 | 610 | 632 | 646 | 653 | सजावटी |
| Spices and Condiments | 158 | 69 | 325 | 558 | 123 | 224 | 121 | 69 | 26 | 26 | 26 | 26 | 2658 | 2896 | 3005 | 3074 | मसाले एवं बघार |
| Agro-forestry | 0 | 0 | 0 | 0 | 3 | 10 | 1 | 0 | 186 | 186 | 184 | 189 | 1649 | 1641 | 1642 | 1642 | कृषि वानिकी |
| Duplicate safety samples (Lentil, Pigeonpea) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10235 | 10235 | 10235 | 10235 | प्रतिलिपि सुरक्षा प्रतिदर्श (मसूर, तूअर) |
| Trial Material (Wheat, Barley) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10771 | 10771 | 10771 | 10771 | परीक्षण सामग्री (गेहूँ, जौ) |
| **Total** | **7857** | **5030** | **11978** | **20234** | **9629** | **6551** | **11283** | **4373** | **1755** | **1778** | **1820** | **1900** | **412616** | **419312** | **430573** | **434946** | **कुल** |

Source : National Bureau of Plant Genetic Resources, Annual Report 2017-18

स्रोत : राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो, वार्षिक रिपोर्ट 2017-18

Note: Accessions of various horticultural crops received for long term conservation at -18 ± 2$^{o}$ C as base collections.

**Statement 6.14: Status of in-vitro conserved germplasm**

**विवरण 6.14 : इनविट्रो संरक्षित जर्मप्लाज्म की स्थिति**

**( as on 31st Dec./31 दिसंबर तक )**

| Crop group | 2012 | | | | 2013 | | | | 2014 | | | | 2015 | | | | 2016 | | | | 2017 | | | | फसल समूह |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Genera सामान्य | Species प्रजातियां | Cultures संवर्धन | Accessions परिग्रहण | Genera सामान्य | Species प्रजातियां | Cultures संवर्धन | Accessions परिग्रहण | Genera सामान्य | Species प्रजातियां | Cultures संवर्धन | Accessions परिग्रहण | Genera सामान्य | Species प्रजातियां | Cultures संवर्धन | Accessions परिग्रहण | Genera सामान्य | Species प्रजातियां | Cultures संवर्धन | Accessions परिग्रहण | Genera सामान्य | Species प्रजातियां | Cultures संवर्धन | Accessions परिग्रहण | |
| Tropical Fruits (banana, grape) | 2 | 14 | 10000 | 416 | 1 | 14 | 11000 | 420 | 1 | 14 | 10000 | 420 | 1 | 14 | 10,000 | 420 | 1 | 14 | 10000 | 420 | 1 | 14 | 10000 | 420 | उष्णकटिबन्धीय फल (केला, अंगूर) |
| Temperate and Minor Fruits (mulberry, strawberry, apple,pear,blackberry) | 9 | 41 | 6700 | 327 | 9 | 41 | 7000 | 305 | 9 | 41 | 7000 | 310 | 10 | 42 | 7,500 | 315 | 10 | 42 | 7500 | 322 | 10 | 42 | 8000 | 330 | शीतोष्ण एवं गौण फल (शहतूत, स्ट्राबेरी, सेब, नाशपाती, ब्लैकबेरी) |
| Tuber crops (sweet potato, yam, taro) | 5 | 12 | 9800 | 618 | 5 | 12 | 10000 | 619 | 5 | 12 | 10000 | 620 | 5 | 12 | 10,000 | 604 | 5 | 12 | 10000 | 588 | 5 | 14 | 6000 | 518 | कंद फसलें (शकरकंदी, जिमीकंद, अरुई) |
| Bulbous and other crops (garlic, gladiolus) | 4 | 12 | 3300 | 171 | 4 | 12 | 3300 | 171 | 4 | 12 | 3300 | 171 | 4 | 12 | 3,300 | 171 | 4 | 12 | 3300 | 171 | 4 | 14 | 3500 | 171 | कंदीय एवं अन्य फसलें (लहसुन, ग्लैडीओलस) |
| Medicinal and Aromatic Plants (species of bacopa, mentha, rauvolfia, tylophora) | 21 | 28 | 5000 | 174 | 21 | 28 | 4500 | 153 | 21 | 28 | 4000 | 153 | 21 | 28 | 4,000 | 155 | 21 | 28-Jan | 4000 | 155 | 23 | 30 | 4000 | 155 | औषधीय एवं सगंध पादप (बकोपा, मेंथा, रौवोल्फिया, टाइलोफोरा) |
| Spices and Industrial crops (ginger, turmeric, pepper, cardamom, hops, jojoba) | 7 | 27 | 5800 | 380 | 7 | 16 | 4600 | 225 | 7 | 19 | 5000 | 235 | 7 | 19 | 5000 | 235 | 7 | 27 | 5000 | 226 | 8 | 20 | 6500 | 227 | मसाले और औद्योगिक फसलें (अदरक, हल्दी, काली मिर्च, इलायची, चिबिड्डी, जोजोबा) |
| **Total** | **48** | **134** | **40600** | **2086** | **47** | **123** | **40400** | **1893** | **47** | **126** | **39300** | **1909** | **48** | **127** | **39800** | **1900** | **48** | **135** | **39800** | **1882** | **51** | **134** | **39000** | **1821** | **कुल** |

Source : Annual Report 2017-18, National Bureau of Plant Genetic Resources

स्रोत : वार्षिक रिपोर्ट 2017-18, राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो

Note: Accessions conserved under room conditions (25 ± 2$^{o}$ C; 16/8h) and/or at low temprature (4$^{o}$ c) for -24 months.

**Statement 6.15: Status of cryopreserved germplasm at national cryobank**

**विवरण 6.15 : राष्ट्रीय क्रायो बैंक में क्रायो संरक्षित जर्मप्लाज्म की स्थिति**

(As on 31st December 2017 दिसंबर की स्थिति के अनुसार))

| Category | No. of Accessions परिग्रहण की संख्या | | | | | | श्रेणी |
|---|---|---|---|---|---|---|---|
| | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | |
| **Recaictrant & Intermediate** | | | | | | | **रिकैक्ट्रैंट और इंटरमीडिएट** |
| Fruits & Nuts | 2876 | 2923 | 3037 | 3139 | 3309 | 3465 | फल एवं नट |
| Spices & Condiments | 151 | 151 | 151 | 152 | 152 | 152 | मसाले एवं बघार |
| Plantation Crops | 22 | 22 | 22 | 22 | 22 | 39 | बागान फसलें |
| Agroforestry & Forestry species | 1640 | 1644 | 1644 | 1644 | 1644 | 1644 | कृषि वानिकी एवं वानिकी की प्रजातियां |
| Industrial crops | 1325 | 1325 | 1325 | 1328 | 1338 | 1338 | औद्योगिक फसलें |
| Medicinal & Aromatic Plants | 6 | 6 | 10 | 11 | 11 | 12 | औषधीय एवं सुगंधित पादप |
| Total | **6020** | **6071** | **6189** | **6296** | **6476** | **6650** | कुल |
| **Orthodox** | | | | | | | **आर्थोडॉक्स** |
| Cereals | 248 | 248 | 248 | 253 | 253 | 288 | अनाज |
| Millets and Forages | 287 | 287 | 287 | 289 | 293 | 293 | मिलेट एवं चारा |
| Pseudocereals | 76 | 76 | 76 | 76 | 76 | 76 | छद्म अनाज |
| Grain Legumes | 636 | 636 | 808 | 812 | 813 | 813 | धान्य छीमी |
| Oilseeds | 471 | 500 | 668 | 668 | 668 | 668 | तिलहन |
| Fibres | 66 | 66 | 66 | 67 | 68 | 68 | फाइबर |
| Vegetables | 433 | 433 | 475 | 499 | 502 | 837 | सब्जियां |
| Medicinal & Aromatic Plants | 941 | 946 | 946 | 964 | 976 | 999 | औषधीय एवं सुगंधित पादप |
| Narcotics & dyes | 34 | 34 | 34 | 34 | 35 | 35 | स्वापक एवं रंजक |
| Miscellaneous | 16 | 16 | 16 | 16 | 16 | 77 | विविध |
| **Total** | **3208** | **3242** | **3624** | **3678** | **3700** | **3854** | कुल |
| **Dormant Buds** | 373 | 387 | 387 | 387 | 387 | 387 | **प्रसुप्त कलियां** |
| **Pollen grains** | 345 | 446 | 484 | 484 | 537 | 547 | **परागकण** |
| **Genomic resources** | | | 398 | 779 | 1052 | 1497 | **जीनोमिक संसाधन** |
| **Grand Total** | **9946** | **10146** | **11082** | **11624** | **12152** | **12935** | **कुल** |
| Wild Relatives* | 1018 | 1024 | 1024 | 1073 | 1087 | 1186 | वन्य कुटुम्बी* |
| Rare & Endangered plants | 80 | 99 | 99 | 99 | 99 | 99 | दुर्लभ एवं संकटग्रस्त पौधे |
| Varieties* | 655 | 732 | 770 | 770 | 776 | 776 | किस्में* |
| Elite* | 4 | 4 | 4 | 4 | 4 | 4 | श्रेष्ठ* |
| Registered germplasm* | 23 | 26 | 23 | 23 | 23 | 23 | पंजीकृत जर्मप्लाज्म |
| Number of Species | 729 | 732 | 787 | 794 | 795 | 804 | प्रजातियों की संख्या |

Source : National Bureau of Plant Genetic Resources, Annual Report -2017-18

स्रोत : राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो, वार्षिक रिपोर्ट -2017-18

*included in respective Categories stored as orthodox seeds

Note : - Accessions cryostored as seed, embryonic axes, pallen and genomic resources for 4 - 27 years for retention of original viabilities.

Appendix-I

## Correspondence between the environmentally-related SDGs, targets and global indicators and the Basic Set of Environment Statistics (BSES) of FDES 2013

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| **Goal 1** | 1.5.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (Tier II) | Component 4: Extreme Events and Disasters,<br>Sub-component 4.1: Natural Extreme Events and Disasters,<br>Topic 4.1.2: Impact of natural extreme events and disasters | 4.1.2.a. People affected by natural extreme events and disasters<br>4.1.2.a.1. Number of people killed<br>4.1.2.a.2. Number of people injured<br>4.1.2.a.3. Number of people homeless<br>4.1.2.a.4. Number of people affected |
| | | Component 4: Extreme Events and Disasters,<br>Sub-component 4.2: Technological Disasters,<br>Topic 4.2.2: Impact of technological disasters | 4.2.2.a. People affected by technological disasters<br>4.2.2.a 1. Number of people killed<br>4.2.2.a.2. Number of people injured<br>4.2.2.a.3. Number of people homeless<br>4.2.2.a.4. Number of people affected |
| | 1.5.2 Direct economic loss attributed to disasters in relation to global gross domestic product (GDP) (Tier II) | Component 4: Extreme Events and Disasters,<br>Sub-component 4.1: Natural Extreme Events and Disasters,<br>Topic 4.1.2: Impact of natural extreme events and disasters | 4.1.2.b. Economic losses due to natural extreme events and disasters (e.g., damage to buildings, transportation networks, loss of revenue for businesses, utility disruption)<br>4.1.2.c. Physical losses/damages due to natural extreme events and disasters (e.g., area and amount of crops, livestock, aquaculture, biomass) |
| | | Component 4: Extreme Events and Disasters,<br>Sub-component 4.2: Technological Disasters,<br>Topic 4.2.2: Impact of technological disasters | 4.2.2.b. Economic losses due to technological disasters (e.g., damage to buildings, transportation networks, loss of revenue for businesses, utility disruption)<br>4.2.2.c. Physical losses/damages due to technological disasters (e.g., area and amount of crops, livestock, aquaculture, biomass) |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | 1.5.3 Number of countries that adopt and implement national disaster risk reduction strategies (Tier I) | Component 6: Environmental Protection, Management and Engagement,<br>Sub-component 6.3: Extreme Event Preparedness and Disaster Management,<br>Topic 6.3.1 Preparedness for natural extreme events and disasters | 6.3.1.a. National natural extreme event and disaster preparedness and management systems<br>6.3.1.a.1. Existence of national disaster ans/programmes |
| | | Component 6: Environmental Protection, Management and Engagement,<br>Sub-component 6.3: Extreme Event Preparedness and Disaster Management,<br>Topic 6.3.2 Preparedness for technological disasters | 6.3.2.a. National technological disaster preparedness and management systems<br>6.3.2.a.1. Existence and description (e.g., number of staff) of public disaster management plans/programmes (and private when available) |
| **Goal 2** | 2.5.2 Proportion of local breeds classified as being at risk, not at risk or at unknown level of risk of extinction (Tier I) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.2: Ecosystems and biodiversity | 1.2.2.c. Biodiversity,<br>1.2.2.c.1. Known flora and fauna species<br>1.2.2.c.2. Endemic flora and fauna species |
| **Goal 3** | 3.9.1 Mortality rate attributed to household and ambient air pollution (Tier I) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.3: Environmental Quality,<br>Topic 1.3.1: Air quality | 1.3.1.a. Local air quality<br>1.3.1.a.2. Concentration level of particulate matter (PM2.5) |
| | | Component 5: Human Settlements and Environmental Health,<br>Sub-component 5.2: Environmental Health,<br>Topic 5.2.1: Airborne diseases and conditions | 5.2.1.a. Airborne diseases and conditions<br>5.2.1.a.3. Mortality |
| | 3.9.2 Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe Water, Sanitation and Hygiene for All (WASH) services) (Tier I) | Component 5: Human Settlements and Environmental Health,<br>Sub-component 5.1: Human Settlements,<br>Topic 5.1.2: Access to selected basic services | 5.1.2.a. Population using an improved drinking water source<br>5.1.2.b. Population using an improved sanitation facility<br>5.1.2.d. Population connected to wastewater collecting system<br>5.1.2.e. Population connected to wastewater treatment |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | | Component 5: Human Settlements and Environmental Health,<br>Sub-component 5.2: Environmental Health,<br>Topic 5.2.2: Water-related diseases and conditions | 5.2.2.a. Water-related diseases and conditions<br>5.2.2.a.3. Mortality |
| **Goal 4** | 4.7.1 Extent to which (i) global citizenship education and (ii) education for sustainable development, including gender equality and human rights, are mainstreamed at all levels in (a) national education policies; (b) curricula; (c) teacher education; and (d) student assessment (Tier III) | Component 6: Environmental Protection, Management and Engagement,<br>Sub-component 6.4: Environmental Information and Awareness,<br>Topic 6.4.2: Environmental Education | 6.4.2.a. Environmental education<br>6.4.2.a.2. Number and description of environmental education programmes in schools |
| **Goal 6** | 6.1.1 Proportion of population using safely managed drinking water services (Tier II) | Component 5: Human Settlements and Environmental Health,<br>Sub-component 5.1: Human Settlements,<br>Topic 5.1.2: Access to selected basic services | 5.1.2.a. Population using an improved drinking water source |
| | 6.2.1 Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water (Tier II) | Component 5: Human Settlements and Environmental Health,<br>Sub-component 5.1: Human Settlements,<br>Topic 5.1.2: Access to selected basic services | 5.1.2.b. Population using an improved sanitation facility |
| | 6.3.1 Proportion of wastewater safely treated (Tier II) | Component 3: Residuals,<br>Sub-component 3.2: Generation and Management of Wastewater,<br>Topic 3.2.1: Generation and pollutant content of wastewater | 3.2.1.a. Volume of wastewater generated |
| | | Component 3: Residuals,<br>Sub-component 3.2: Generation and Management of Wastewater,<br>Topic 3.2.2: Collection and treatment of wastewater | 3.2.2.b. Volume of wastewater treated, by treatment type [primary, secondary, tertiary]<br>3.2.2.c. Total urban wastewater treatment capacity<br>3.2.2.c.1. Number of plants<br>3.2.2.c.2. Capacity of plants<br>3.2.2.d. Total industrial wastewater treatment capacity<br>3.2.2.d.1. Number of plants<br>3.2.2.d.2. Capacity of plants |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | 6.3.2 Proportion of bodies of water with good ambient water quality (Tier II) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.3: Environmental Quality<br>Topic 1.3.2: Freshwater quality | 1.3.2.a. Nutrients and chlorophyll<br>1.3.2.a.1. Concentration level of nitrogen<br>1.3.2.a.2. Concentration level of phosphorous<br>1.3.2.a.3. Concentration level of chlorophyll A<br>1.3.2.b. Organic matter<br>1.3.2.b.1. Biochemical oxygen demand (BOD)<br>1.3.2.b.2. Chemical oxygen demand (COD)<br>1.3.2.c. Pathogens<br>1.3.2.c.1. Concentration levels of faecal coliforms<br>1.3.2.d. Metals (e.g., mercury, lead, nickel, arsenic, cadmium)<br>1.3.2.d.1. Concentration levels in the sediment and freshwater<br>1.3.2.e. Organic contaminants (e.g., PCBs, DDT, pesticides, furans, dioxins, phenols, radioactive waste)<br>1.3.2.e.1. Concentration level in the sediment and freshwater<br>1.3.2.f. Physical and chemical characteristics<br>1.3.2.f.1. pH/acidity/alkalinity<br>1.3.2.f.2. Temperature<br>1.3.2.f.3. Total suspended solids (TSS)<br>1.3.2.f.4. Salinity<br>1.3.2.f.5. Dissolved oxygen (DO) |
| | 6.4.1 Change in water-use efficiency over time (Tier II) | Component 2: Environmental Resources and their Use,<br>Sub-component 2.6: Water Resources,<br>Topic 2.6.2: Abstraction, use and returns of water | 2.6.2.a. Total water abstraction<br>2.6.2.b. Water abstraction from surface water<br>2.6.2.c. Water abstraction from groundwater<br>2.6.2.c.1. From renewable groundwater resources<br>2.6.2.c.2. From non-renewable groundwater resources<br>2.6.2.d. Water abstracted for own use<br>2.6.2.e. Water abstracted for distribution<br>2.6.2.f. Desalinated water<br>2.6.2.g. Reused water<br>2.6.2.h. Water use |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | | | 2.6.2.l. Exports of water<br>2.6.2.m. Imports of water |
| | 6.4.2 Level of water stress: freshwater withdrawal as a proportion of available freshwater resources (Tier I) | Component 2: Environmental Resources and their Use,<br>Sub-component 2.6: Water Resources,<br>Topic 2.6.1: Water resources | 2.6.1.a. Inflow of water to inland water resources<br>2.6.1.a.1. Precipitation<br>2.6.1.b.2. Inflow from neighbouring countries<br>2.6.1.b.3. Inflow subject to treaties<br>2.6.1.b. Outflow of water from inland water resources<br>2.6.1.b.1. Evapotranspiration |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.6: Water Resources,<br>Topic 2.6.2: Abstraction, use and returns of water | 2.6.2.a. Total water abstraction<br>2.6.2.f. Desalinated water<br>2.6.2.g. Reused water |
| | 6.6.1 Change in the extent of water-related ecosystems over time (Tier II) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.1: Physical Conditions,<br>Topic 1.1.2: Hydrographical characteristics | 1.1.2.a. Lakes<br>1.1.2.a.1. Surface area<br>1.1.2.a.2. Maximum depth<br>1.1.2.b. Rivers and streams<br>1.1.2.b.1. Length<br>1.1.2.c. Artificial reservoirs<br>1.1.2.c.1. Surface area<br>1.1.2.c.2. Maximum depth<br>1.1.2.e. Seas<br>1.1.2.e.1 Coastal waters<br>1.1.2.f. Aquifers |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.3: Environmental Quality,<br>Topic 1.3.2: Freshwater quality | 1.3.2.a. Nutrients and chlorophyll<br>1.3.2.a.1. Concentration level of nitrogen<br>1.3.2.a.2. Concentration level of phosphorous<br>1.3.2.a.3. Concentration level of chlorophyll A<br>1.3.2.b. Organic matter<br>1.3.2.b.1. Biochemical oxygen demand (BOD)<br>1.3.2.b.2. Chemical oxygen demand (COD)<br>1.3.2.c. Pathogens<br>1.3.2.c.1. Concentration levels of faecal coliforms<br>1.3.2.d. Metals (e.g., mercury, lead, nickel, arsenic, cadmium)<br>1.3.2.d.1. Concentration levels in sediment and freshwater<br>1.3.2.e. Organic contaminants (e.g., PCBs, DDT, pesticides, furans, dioxins, phenols, radioactive waste)<br>1.3.2.e.1. Concentration levels in sediment and freshwater<br>1.3.2.f. Physical and chemical characteristics<br>1.3.2.f.1. pH/acidity/alkalinity<br>1.3.2.f.2. Temperature<br>1.3.2.f.3. Total suspended solids (TSS)<br>1.3.2.f.4. Salinity<br>1.3.2.f.5. Dissolved oxygen (DO) |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.3 Land,<br>Topic 2.3.1: Land use | 2.3.1.a. Area under land use categories |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.6: Water Resources,<br>Topic 2.6.1: Water resources | 2.6.1.c. Inland water stocks<br>2.6.1.c.3. Surface water stocks in rivers and streams<br>2.6.1.c.6. Groundwater stocks |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| **Goal 7** | 7.1.1 Proportion of population with access to electricity (Tier I) | Component 5: Human Settlements and Environmental Health,<br>Sub-component 5.1: Human Settlements,<br>Topic 5.1.2: Access to selected basic services | 5.1.2.h. Population with access to electricity |
| | 7.2.1 Renewable energy share in the total final energy consumption (Tier I) | Component 2: Environmental Resources and their Use,<br>Sub-component 2.2: Energy Resources,<br>Topic 2.2.2: Production, trade and consumption of energy | 2.2.2.c. Final consumption of energy |
| | 7.3.1 Energy intensity measured in terms of primary energy and GDP (Tier I) | Component 2: Environmental Resources and their Use,<br>Sub-component 2.2: Energy Resources,<br>Topic 2.2.2: Production, trade and consumption of energy | 2.2.2.b. Total energy supply |
| **Goal 8** | 8.4.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier III)<br>8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I) | Component 2: Environmental Resources and their Use,<br>Sub-component 2.1: Mineral Resources,<br>Topic 2.1.2: Production and trade of minerals | 2.1.2.a. Production of minerals<br>2.1.2.b. Imports of minerals<br>2.1.2.c. Exports of minerals |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.2: Energy Resources,<br>Topic 2.2.2: Production, trade and consumption of energy | 2.2.2.a. Production of energy<br>2.2.2.a.1. Total production<br>2.2.2.a.5. Imports of energy<br>2.2.2.a.6. Exports of energy |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic 2.5.1: Timber resources | 2.5.1.c. Forest production<br>2.5.1.d. Fuelwood production<br>2.5.1.e. Imports of forest products<br>2.5.1.f. Exports of forest products |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic 2.5.2: Aquatic resources | 2.5.2.a. Fish capture production<br>2.5.2.c. Imports of fish and fishery products<br>2.5.2.d. Exports of fish and fishery products<br>2.5.2.f. Aquatic resources<br>2.5.2.f.1. Stocks of aquatic resources<br>2.5.2.f.2. Additions to aquatic resources<br>2.5.2.f.3. Reductions in aquatic resources |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic: 2.5.3 Crops | 2.5.3.a. Main annual and perennial crops<br>2.5.3.a.3. Amount produced<br>2.5.3.d. Imports of crops<br>2.5.3.e. Exports of crops |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic: 2.5.4 Livestock | 2.5.4.a.1. Number of live animals<br>2.5.4.a.2. Number of animals slaughtered<br>2.5.4.c. Imports of livestock<br>2.5.4.d. Exports of livestock |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic: 2.5.5: Other non-cultivated biological resources | 2.5.5.d. Reported wild animals killed or trapped for food or sale<br>2.5.5.e. Trade in wildlife and captive- bred species<br>2.5.5.f. Non-wood forest products and other plants |
| **Goal 9** | 9.4.1 CO2 emission per unit of value added (Tier I) | Component 3: Residuals,<br>Sub-component 3.1: Emissions to Air,<br>Topic 3.1.1: Emissions of greenhouse gases | 3.1.1.a. Total emissions of direct greenhouse gases (GHGs), by gas:<br>3.1.1.a.1. Carbon dioxide (CO2) |
| **Goal 11** | 11.1.1 Proportion of urban population living in slums, informal settlements or inadequate housing (Tier I) | Component 5: Human Settlements and Environmental Health,<br>Sub-component 5.1: Human Settlements,<br>Topic 5.1.1: Urban and rural population | 5.1.1.a. Population living in urban areas |
| | | Component 5: Human Settlements and Environmental Health,<br>Sub-component 5.1: Human Settlements,<br>Topic 5.1.3: Housing conditions | 5.1.3.a. Urban population living in slums<br>5.1.3.e. Population living in informal settlements |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | 11.3.1 Ratio of land consumption rate to population growth rate (Tier II) | Component 2: Environmental Resources and their Use,<br>Sub-component 2.3: Land,<br>Topic 2.3.1: Land Use | 2.3.1.a. Area under land use categories |
| | 11.5.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (Tier II) | Component 4: Extreme Events and Disasters,<br>Sub-component 4.1: Natural Extreme Events and Disasters,<br>Topic 4.1.2: Impact of natural extreme events and disasters | 4.1.2.a. People affected by natural extreme events and disasters<br>4.1.2.a.1. Number of people killed<br>4.1.2.a.2. Number of people injured<br>4.1.2.a.3. Number of people homeless<br>4.1.2.a.4. Number of people affected |
| | | Component 4: Extreme Events and Disasters,<br>Sub-component 4.2: Technological Disasters,<br>Topic 4.2.2: Impact of technological disasters | 4.2.2.a. People affected by technological disasters<br>4.2.2.a 1. Number of people killed<br>4.2.2.a.2. Number of people injured<br>4.2.2.a.3. Number of people homeless<br>4.2.2.a.4. Number of people affected |
| | 11.5.2 Direct economic loss in relation to global GDP, damage to critical infrastructure and number of disruptions to basic services, attributed to disasters (Tier I) | Component 4: Extreme Events and Disasters,<br>Sub-component 4.1: Natural Extreme Events and Disasters,<br>Topic 4.1.2: Impact of natural extreme events and disasters | 4.1.2.b. Economic losses due to natural extreme events and disasters (e.g., damage to buildings, transportation networks, loss of revenue for businesses, utility disruption)<br>4.1.2.c. Physical losses/damages due to natural extreme events and disasters (e.g., area and amount of crops, livestock, aquaculture, biomass) |
| | | Component 4: Extreme Events and Disasters,<br>Sub-component 4.2: Technological Disasters,<br>Topic 4.2.2: Impact of technological disasters | 4.2.2.b. Economic losses due to technological disasters (e.g., damage to buildings, transportation networks, loss of revenue for businesses, utility disruption)<br>4.2.2.c. Physical losses/damages due to technological disasters (e.g., area and amount of crops, livestock, aquaculture, biomass) |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | 11.6.1 Proportion of urban solid waste regularly collected and with adequate final discharge out of total urban solid waste generated, by cities (Tier II) | Component 3: Residuals,<br>Sub-component 3.3: Generation and Management of Waste,<br>Topic 3.3.1: Generation of waste | 3.3.1.a. Amount of waste generated by source<br>3.3.1.b. Amount of waste generated by waste category<br>3.3.1.c. Amount of hazardous waste generated |
| | | Component 3: Residuals,<br>Sub-component 3.3: Generation and Management of Waste,<br>Topic 3.3.2: Management of waste | 3.3.2.a. Municipal waste<br>3.3.2.a.1. Total municipal waste collected<br>3.3.2.a.2. Amount of municipal waste treated by type of treatment and disposal<br>3.3.2.a.3. Number of municipal waste treatment and disposal facilities<br>3.3.2.a.4. Capacity of municipal waste treatment and disposal facilities<br>3.3.2.b. Hazardous waste<br>3.3.2.b.1. Total hazardous waste collected<br>3.3.2.b.2. Amount of hazardous waste treated by type of treatment and disposal<br>3.3.2.b.3. Number of hazardous waste treatment and disposal facilities<br>3.3.2.b.4. Capacity of hazardous waste treatment and disposal facilities<br>3.3.2.c. Other/industrial waste<br>3.3.2.c.1. Total other/industrial waste collected<br>3.3.2.c.2. Amount of other/industrial waste treated by type of treatment and disposal<br>3.3.2.c.3. Number of other/industrial treatment and disposal facilities<br>3.3.2.c.4. Capacity of other/industrial waste treatment and disposal facilities<br>3.3.2.d. Amount of recycled waste<br>3.3.2.e. Imports of waste<br>3.3.2.f. Exports of waste<br>3.3.2.g. Imports of hazardous waste<br>3.3.2.h. Exports of hazardous waste |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | 11.6.2 Annual mean levels of fine particulate matter (e.g. $PM_{2.5}$ and $PM_{10}$) in cities (population weighted) (Tier I) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.3: Environmental Quality,<br>Topic 1.3.1: Air quality | 1.3.1.a. Local air quality<br>1.3.1.a.1. Concentration level of particulate matter (PM10)<br>1.3.1.a.2. Concentration level of particulate matter (PM2.5) |
| | 11.b.1 Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015–2030 (Tier I) | Component 6: Environmental Protection, Management and Engagement,<br>Sub-component 6.3: Extreme Event Preparedness and Disaster Management,<br>Topic 6.3.1: Preparedness for natural extreme events and disasters, | 6.3.1.a. National natural extreme event and disaster preparedness and management systems<br>6.3.1.a.2. Description (e.g., number of staff) of national disaster plans/programmes<br>6.3.1.a.3. Number and type of shelters in place or able to be deployed<br>6.3.1.a.4. Number and type of internationally certified emergency and recovery management specialists<br>6.3.1.a.5. Number of volunteers<br>6.3.1.a.6. Quantity of first aid, emergency supplies and equipment stockpiles<br>6.3.1.a.7. Existence of early warning systems for all major hazards<br>6.3.1.a.8. Expenditure on disaster prevention, preparedness, clean-up and rehabilitation |
| | | Component 6: Environmental Protection, Management and Engagement,<br>Sub-component 6.3: Extreme Event Preparedness and Disaster Management,<br>Topic 6.3.2: Preparedness for technological disasters | 6.3.2.a. National technological disaster preparedness and management systems<br>6.3.2.a.1. Existence and description (e.g., number of staff) of public disaster management plans/programmes (and private when available)<br>6.3.2.a.2. Expenditure on disaster prevention, preparedness, clean-up and rehabilitation |
| | 11.b.2 Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies (Tier II) | Component 6: Environmental Protection, Management and Engagement,<br>Sub-component 6.3 : Extreme Event Preparedness and Disaster Management,<br>Topic 6.3.1: Preparedness for natural extreme events and disasters | 6.3.1.a. National natural extreme event and disaster preparedness and management systems<br>6.3.1.a.1. Existence of national disaster plans/programmes |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| **Goal 12** | 12.2.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier III)<br>12.2.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I) | Component 2: Environmental Resources and their Use,<br>Sub-component 2.1: Mineral Resources,<br>Topic 2.1.2: Production and trade of minerals | 2.1.2.a. Production of minerals<br>2.1.2.b. Imports of minerals<br>2.1.2.c. Exports of minerals |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.2: Energy Resources,<br>Topic 2.2.2: Production, trade and consumption of energy | 2.2.2.a. Production of energy<br>2.2.2.a.1. Total production of energy<br>2.2.2.a.5. Imports of energy<br>2.2.2.a.6. Exports of energy |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic 2.5.1: Timber resources | 2.5.1.c. Forest production<br>2.5.1.d. Fuelwood production<br>2.5.1.e. Imports of forest products<br>2.5.1.f. Exports of forest products |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic 2.5.3: Crops | 2.5.3.a Main annual and perennial crops<br>2.5.3.a.3. Amount produced<br>2.5.3.d. Imports of crops<br>2.5.3.e. Exports of crops |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic 2.5.4: Livestock | 2.5.4.a.1 Number of live animals<br>2.5.4.a.2 Number of animals slaughtered<br>2.5.4.c. Imports of livestock<br>2.5.3.d. Exports of livestock |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic 2.5.2: Aquatic resources | 2.5.2.a. Fish capture production<br>2.5.2.c. Imports of fish and fishery products<br>2.5.2.d. Exports of fish and fishery products<br>2.5.2.f. Aquatic resources<br>2.5.2.f.1. Stocks of aquatic resources<br>2.5.2.f.2. Additions to aquatic resources<br>2.5.2.f.3. Reductions in aquatic resources |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic 2.5.5: Other non-cultivated biological resources | 2.5.5.d. Reported wild animals killed or trapped for food or sale<br>2.5.5.e. Trade in wildlife and captive- bred species<br>2.5.5.f. Non-wood forest products and other plants |
| | 12.3.1 Global food loss index (Tier III) | Component 3: Residuals,<br>Sub-component 3.3: Generation and Management of Waste,<br>Topic 3.3.1: Generation of waste | 3.3.1.a. Amount of waste generated by source<br>3.3.1.b. Amount of waste generated by waste category |
| | 12.4.2 Hazardous waste generated per capita and proportion of hazardous waste treated, by type of treatment (Tier III) | Component 3: Residuals,<br>Sub-component 3.3: Generation and Management of Waste,<br>Topic 3.3.1: Generation of waste | 3.3.1.c. Amount of hazardous waste generated |
| | | Component 3: Residuals,<br>Sub-component 3.3: Generation and Management of Waste,<br>Topic 3.3.2: Management of waste | 3.3.2.b. Hazardous waste<br>3.3.2.b.1. Total hazardous waste collected<br>3.3.2.b.2. Amount of hazardous waste treated by type of treatment and disposal<br>3.3.2.g. Imports of hazardous waste<br>3.3.2.h. Exports of hazardous waste |
| | 12.5.1 National recycling rate, tons of material recycled (Tier III) | Component 3: Residuals,<br>Sub-component 3.3: Generation and Management of Waste,<br>Topic 3.3.1: Generation of waste | 3.3.1.a. Amount of waste generated by source<br>3.3.1.b. Amount of waste generated by waste category<br>3.3.1.c. Amount of hazardous waste generated |
| | | Component 3: Residuals,<br>Sub-component 3.3: Generation and Management of Waste,<br>Topic 3.3.2: Management of waste | 3.3.2.a. Municipal waste<br>3.3.2.a.1. Total municipal waste collected<br>3.3.2.a.2. Amount of municipal waste treated by type of treatment and disposal<br>3.3.2.b. Hazardous waste<br>3.3.2.b.1. Total hazardous waste collected<br>3.3.2.b.2. Amount of hazardous waste treated by type of treatment and disposal<br>3.3.2.c. Other/industrial waste<br>3.3.2.c.1. Total other/industrial waste collected |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | | | 3.3.2.c.2. Amount of other/industrial waste treated by type of treatment and disposal<br>3.3.2.d. Amount of recycled waste<br>3.3.2.e. Imports of waste<br>3.3.2.f. Exports of waste |
| | 12.8.1 Extent to which (i) global citizenship education and (ii) education for sustainable development (including climate change education) are mainstreamed in (a) national education policies; (b) curricula; (c) teacher education; and (d) student assessment (Tier III) | Component 6: Environmental Protection, Management and Engagement,<br>Sub-component 6.4: Environmental Information and Awareness,<br>Topic 6.4.2: Environmental education | 6.4.2.a. Environmental education<br>6.4.2.a.2. Number and description of environmental education programmes in schools |
| **Goal 13** | 13.1.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (Tier II) | Component 4: Extreme Events and Disasters, Sub-component 4.1: Impact of natural extreme events and disasters,<br>Topic 4.1.2: Impact of natural extreme events and disasters | 4.1.2.a. People affected by natural extreme events and disasters<br>4.1.2.a.1. Number of people killed<br>4.1.2.a.2. Number of people injured<br>4.1.2.a.3. Number of people homeless<br>4.1.2.a.4. Number of people affected |
| | | Component 4: Extreme Events and Disasters, Sub-component 4.2: Technological Disasters, Topic 4.2.2: Impact of technological disasters | 4.2.2.a. People affected by technological disasters<br>4.2.2.a 1. Number of people killed<br>4.2.2.a.2. Number of people injured<br>4.2.2.a.3. Number of people homeless<br>4.2.2.a.4. Number of people affected |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | 13.1.2 Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015–2030 (Tier I) | Component 6: Environmental Protection, Management and Engagement,<br>Sub-component 6.3: Extreme Event Preparedness and Disaster Management,<br>Topic 6.3.1: Preparedness for natural extreme events and disasters,<br>Topic 6.3.2: Preparedness for technological disasters | 6.3.1.a. National natural extreme event and disaster preparedness and management systems<br>6.3.1.a.1. Existence of national disaster plans /programmes<br>6.3.1.a.2. Description (e.g., number of staff) of national disaster plans/programmes<br>6.3.1.a.3. Number and type of shelters in place or able to be deployed<br>6.3.1.a.4. Number and type of internationally certified emergency and recovery management specialists<br>6.3.1.a.5. Number of volunteers<br>6.3.1.a.6. Quantity of first aid, emergency supplies and equipment stockpiles<br>6.3.1.a.7. Existence of early warning systems for all major hazards<br>6.3.1.a.8. Expenditure on disaster prevention, preparedness, clean-up and rehabilitation<br>6.3.2.a. National technological disaster preparedness and management systems<br>6.3.2.a.1. Existence and description (e.g., number of staff) of public disaster management plans/programmes (and private when available)<br>6.3.2.a.2. Expenditure on disaster prevention, preparedness, clean-up and rehabilitation |
| | 13.3.1 Number of countries that have integrated mitigation, adaptation, impact reduction and early warning into primary, secondary and tertiary curricula (Tier III) | Component 6: Environmental Protection, Management and Engagement,<br>Sub-component 6.4: Environmental Information and Awareness,<br>Topic 6.4.2: Environmental Education | 6.4.2.a. Environmental education<br>6.4.2.a.2. Number and description of environmental education programmes in schools |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| **Goal 14** | 14.1.1 Index of coastal eutrophication and floating plastic debris density (Tier III) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.3: Environmental Quality,<br>Topic 1.3.3: Marine water quality | 1.3.3.a. Nutrients and chlorophyll<br>1.3.3.a.1. Concentration level of nitrogen<br>1.3.3.a.2. Concentration level of phosphorous<br>1.3.3.h. Plastic waste and other marine debris<br>1.3.3.h.1. Amount of plastic waste and other debris in marine waters |
| | 14.3.1 Average marine acidity (pH) measured at agreed suite of representative sampling stations (Tier III) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.3: Environmental Quality,<br>Topic 1.3.3: Marine water quality | 1.3.3.f. Physical and chemical characteristics<br>1.3.3.f.1. pH/acidity/alkalinity |
| | 14.4.1 Proportion of fish stocks within biologically sustainable levels (Tier I) | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic 2.5.2: Aquatic Resources | 2.5.2.a. Fish capture production<br>2.5.2.b. Aquaculture production<br>2.5.2.f. Aquatic resources<br>2.5.2.f.1 Stocks of aquatic resources<br>2.5.2.f.2. Additions to aquatic resources<br>2.5.2.f.3. Reductions in aquatic resources |
| | 14.5.1 Coverage of protected areas in relation to marine areas (Tier I) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.2: Ecosystems and biodiversity | 1.2.2.d. Protected areas and species<br>1.2.2.d.1. Protected terrestrial and marine area |
| | 14.7.1 Sustainable fisheries as a proportion of GDP in small island developing States, least developed countries and all countries (Tier III) | Component 2: Environmental Resources and their Use,<br>Sub-component 2.5: Biological Resources,<br>Topic 2.5.2: Aquatic resources | 2.5.2.a. Fish capture production<br>2.5.2.b. Aquaculture production<br>2.5.2.f. Aquatic resources<br>2.5.2.f.1 Stocks of aquatic resources<br>2.5.2.f.2. Additions to aquatic resources<br>2.5.2.f.3. Reductions in aquatic resources |
| | 14.c.1 Number of countries making progress in ratifying, accepting and implementing through legal, policy and institutional frameworks, ocean-related instruments that implement international | Component 6: Environmental Protection, Management and Engagement,<br>Sub-component 6.2: Environmental Governance and Regulation,<br>Topic 6.2.3: Participation in MEAs and environmental | 6.2.3.a. Participation in MEAs and other global environmental conventions<br>6.2.3.a.1. List and description (e.g., country's year of participation) of MEAs and other global environmental conventions |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | law, as reflected in the United Nations Convention on the Law of the Sea, for the conservation and sustainable use of the oceans and their resources (Tier III) | conventions | |
| **Goal 15** | 15.1.1 Forest area as a proportion of total land area (Tier I) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.1: Physical Conditions,<br>Topic 1.1.3: Geological and geographical information | 1.1.3.a. Geological, geographical and geomorphological conditions of terrestrial areas and islands<br>1.1.3.a.2. Area of country or region |
| | | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.3: Forests | 1.2.3.a. Forest area<br>1.2.3.a.1. Total |
| | 15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type (Tier I) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.2: Ecosystems and biodiversity | 1.2.2.d. Protected areas and species<br>1.2.2.d.1. Protected terrestrial and marine area |
| | 15.2.1 Progress towards sustainable forest management (Tier I) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.3: Forests | 1.2.3.a. Forest area<br>1.2.3.a.1. Total<br>1.2.3.a.4. Protected forest area<br>1.2.3.b. Forest biomass<br>1.2.3.b.1. Total<br>1.2.3.b.2. Carbon storage in living forest biomass |
| | | Component 2: Environmental Resources and their Use,<br>Sub-component 2.3: Land,<br>Topic 2.3.1: Land use | 2.3.1.b. Other aspects of land use<br>2.3.1.b.3. Area of land under sustainable forest management |
| | 15.3.1 Proportion of land that is degraded over total land area (Tier II) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.1: Physical Conditions,<br>Topic 1.1.4: Soil characteristics | 1.1.4.a. Soil characterization<br>1.1.4.a.1. Area by soil types<br>1.1.4.b. Soil degradation<br>1.1.4.b.1. Area affected by soil erosion<br>1.1.4.b.2. Area affected by desertification |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | | | 1.1.4.b.3. Area affected by salinization<br>1.1.4.b.4. Area affected by waterlogging<br>1.1.4.b.5. Area affected by acidification<br>1.1.4.b.6. Area affected by compaction<br>1.1.4.c. Nutrient content of soil, measured in levels of:<br>1.1.4.c.1. Nitrogen (N)<br>1.1.4.c.2. Phosphorous (P)<br>1.1.4.c.3. Calcium (Ca)<br>1.1.4.c.4. Magnesium (Mg)<br>1.1.4.c.5. Potassium (K)<br>1.1.4.c.6. Zinc (Zn)<br>1.1.4.c.7. Other |
| | | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.1: Land cover | 1.2.1.a. Area under land cover categories |
| | 15.4.1 Coverage by protected areas of important sites for mountain biodiversity (Tier I) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.1: Physical Conditions,<br>Topic 1.1.3: Geological and geographical information | 1.1.3.a. Geological, geographical and geomorphological conditions of terrestrial areas and islands<br>1.1.3.a.7. Characteristics of landforms (e.g., plains, hills, plateaus, dunes, volcanoes, mountains seamounts) [mountains, hills] |
| | | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.2: Ecosystems and biodiversity | 1.2.2.d. Protected areas and species<br>1.2.2.d.1. Protected terrestrial and marine area |
| | 15.4.2 Mountain Green Cover Index (Tier I) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.1: Physical Conditions,<br>Topic 1.1.3: Geological and geographical information | 1.1.3.a. Geological, geographical and geomorphological conditions of terrestrial areas and islands<br>1.1.3.a.7. Characteristics of landforms (e.g., plains, hills, plateaus, dunes, volcanoes, mountains seamounts) |

| SDGs | SDG Indicators | FDES | |
|---|---|---|---|
| | | **Location in the FDES: Component Sub-Component and Topic** | **Statistics used in the SDG Indicator corresponding to BSES (SDG Indicator can be compiled either fully or partially from BSES statistics)** |
| | | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.1: Land cover | 1.2.1.a. Area under land cover categories |
| | 15.5.1: Red List Index (Tier I) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.2: Ecosystems and biodiversity | 1.2.2.c. Biodiversity<br>1.2.2.c.1. Known flora and fauna species<br>1.2.2.c.4. Species population |
| | 15.7.1 Proportion of traded wildlife that was poached or illicitly trafficked (Tier II) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.2: Ecosystems and biodiversity | 1.2.2.d. Protected areas and species<br>1.2.2.d.2. Protected flora and fauna species |
| | 15.c.1 Proportion of traded wildlife that was poached or illicitly trafficked (Tier II) | Component 1: Environmental Conditions and Quality,<br>Sub-component 1.2: Land Cover, Ecosystems and Biodiversity,<br>Topic 1.2.2: Ecosystems and biodiversity | 1.2.2.d. Protected areas and species<br>1.2.2.d.2. Protected flora and fauna species |

**Appendix-II**

**Mapping of SDG National indicators with statements of EnviStats-India**

| SDG Target No. | NIF Indicator | Related Tables* |
|---|---|---|
| 1.1 | 1.1.1: Proportion of population living below the national poverty line | 5.03 |
| 1.4 | 1.4.1: Percentage of population (Rural) living in households with access to Safe drinking water & Sanitation (Toilets) | 5.06 |
| | 1.4.2: Percentage of population (Urban) living in households with access to Safe drinking water & Sanitation (Toilets) | 5.06 |
| | 1.4.3: Percentage of population (Urban/Rural) living in households with access to Electricity<br>Modified Indicator : Percentage of household with access to electricity | 2.29 |
| | 1.4.4: Percentage of homeless population to total population | 5.01 |
| 1.5 | 1.5.1: Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population | 4.08, 4.09 |
| | 1.5.2: Percentage of States that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies | Disaster Management Acts af all States/UTs are available in public domain. |
| 2.4 | 2.4.2: Percentage of farmers issued Soil Health Card | 6.10 |
| | 2.4.3: Percentage of net area under organic farming | 2.35 |
| 2.5 | 2.5.1: Number of accessions conserved in the base collection (-18 degree Celsius) at National Gene Bank | 6.13 |
| 3.3 | 3.3.3: Malaria incidence per 1,000 population | 5.24 |
| | 3.3.4: Viral Hepatitis (including A & B) incidence per 100,000 population | 5.22 |
| | 3.3.5: Dengue: Case Fatality Ratio (CFR) | 5.25 |
| | 3.3.6: Number of Chikungunya cases | 5.26 |
| | 3.3.7: Number of new cases of Kala azar/ V Leishmaniasis | 5.28 |
| 3.9 | 3.9.2 : Percentage of men and women reporting Asthma 15-49 years | 5.23<br>(on Acute Respiratory Infection) |
| 6.1 | 6.1.1 : Percentage of population having safe and adequate drinking water within their premises. | 5.04, 5.05 |
| | 6.1.2 : Percentage of population using an improved drinking water source(Rural) | 5.04 |
| 6.2 | 6.2.1 : Percentage of households having access to toilet facility (Urban & Rural) | 5.06 |
| 6.3 | 6.3.1 : Percentage of sewage treated before discharge into surface water bodies | 3.06, 3.07 |
| | 6.3.2 : Percentage of industries(17 category of highly polluting industries/grossly polluting industry/red category of industries) complying with waste water treatment as per CPCB norms. | 3.08 |
| | 6.3.3: Percentage of Waste water treatment capacity created vis-à-vis total generation | 3.05 |
| 6.4 | 6.4.1 : Percentage Ground Water withdrawal against availability | 2.62 |
| | 6.4.2 : Per capita storage of water | Annexure 3.6 of EnviStats-India 2018 (Supplement on Environmental Accounts) |
| | 6.4.3 : Per capita availability of water | Annexure 3.3 of EnviStats-India 2018 (Supplement on Environmental Accounts) |

**Mapping of SDG National indicators with statements of EnviStats-India**

| SDG Target No. | NIF Indicator | Related Tables* |
|---|---|---|
| 6.6 | 6.6.1 : Area under over-exploited blocks<br>Modified Indicator: Number of over-exploited blocks | Annexure 3.9 of EnviStats-India 2018 (Supplement on Environmental Accounts) |
| 7.1 | 7.1.1 : Percentage of Households electrified<br>Modified Indicator: Percentage of household with access to electricity | 2.29 |
| | 7.1.2 : Percentage of household using clean cooking fuel | 2.27, 2.28 |
| 7.2 | 7.2.1 : Renewable energy share in the total final energy mix | 2.24 |
| 7.3 | 7.3.1 : Energy intensity measured in terms of primary energy and GDP | 2.24 |
| 8.4 | 8.4.1 : Renewable energy share in the total final energy mix | 2.24 |
| | 8.4.2 : Per capita fossil fuel consumption | 2.24 |
| 9.1 | 9.1.2 : Passenger and freight volumes, by mode of transport | 5.12, 5.15, 5.16, 5.17, 5.18 |
| 9.2 | 9.2.1 : Annual mean levels of fine particulate matter (e.g. PM2.5 and PM10) in cities (population weighted) | 1.52 |
| 9.4 | 9.4.1 : CO2 equivalent emission per unit of value added | 3.01 |
| 11.1 | 11.1.2 : Percentage of Slum Area Covered with basic Services | 5.09,5.10,5.11 |
| | 11.1.3 : Percentage of Urban Population Living in Slums, informal Settlements or Inadequate Housing | 5.07 |
| 11.5 | 11.5.1 : Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population | 4.08, 4.09 |
| 11.6 | 11.6.2 : Annual mean levels of fine particulate matter (e.g. PM2.5 and PM10) in cities (population weighted) | 1.52 |
| 11.b | 11.b.1 : Whether the country has adopted and implemented national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030 | Yes |
| 14.1 | 14.1.1 : Health index of area of coastal water | 1.57 |
| | 14.1.3 : Percentage change in use of nitrogen fertilizers in the coastal States | 2.47 |
| 14.2 | 14.2.1 : Percentage change in area under mangroves | 1.5 |
| | 14.2.3 : Percentage change in Marine Protected Areas (MPA) | 1.32 |
| 14.5 | 14.5.1 : Coverage of protected areas in relation to marine areas | 1.32 |
| | 14.5.2 : Percentage change in area under mangroves | 1.5 |
| 15.1 | 15.1.1 : Forest area as a Percentage of total land area<br>Modified Indicator: Forest Area as a proportion of total geographical area | 1.46 |
| | 15.1.2 : Percentage of Tree Outside Forest (TOF) in total forest cover | 1.49 |
| 15.2 | 15.2.1 : Percentage change in Forest Area coverage | 1.46 |
| | 15.2.2 : Total area covered under different afforestation schemes | 6.02, 6.03, 6.04 |
| | 15.2.3 : Total tree cover achieved outside forest area | 1.49 |
| 15.3 | 15.3.3 : Percentage change in net sown area | 2.31 |

*: Indicators may not exactly match with that given in SDG National Indicator Framework

# GLOSSARY

## A

### Adaptation

Adjustment or preparation of natural or human systems to a new or changing environment which moderates harm or exploits beneficial opportunities.

### Adaptive Capacity

Ability of a system to adjust to climate change (including climate variability and extremes) to moderate potential damages, to take advantage of opportunities, or to cope with the consequences.

### Aerosols

Small particles or liquid droplets in the atmosphere that can absorb or reflect sunlight depending on their composition.

### Afforestation

Planting of new forests on lands that historically have not contained forests.

### Airborne diseases and conditions

Diseases and conditions associated with the environment are caused or worsened by exposure to unhealthy levels of pollutants (such as PM, SO2 or O3), usually found in urban settlements and, in particular, in cities with weaker air quality regulations and/or enforcement capabilities.

### Alternative Energy

Energy derived from non-traditional sources (e.g., compressed natural gas, solar, hydroelectric, wind).

### Annex I Countries/Parties

Group of countries included in Annex I (as amended in 1998) to the United Nations Framework Convention on Climate Change comprising of all the developed countries in the Organization of Economic Co-operation and Development (OECD) and economies in transition. By default, the other countries are referred to as Non-Annex I countries.

### Angiosperms

Seed-bearing vascular plants.

### Annex II Countries

Subset of the Annex I Countries which have a special obligation to help developing countries with financial and technological resources. They include the 24 original OECD members and the European Union.

### Anthropogenic

Made by people or resulting from human activities. Usually used in the context of emissions that are produced as a result of human activities.

### Aquaculture

Farming of aquatic organisms, including fish, molluscs, crustaceans and aquatic plants. Farming implies some form of intervention in the rearing process to enhance production, such as regular stocking, feeding, protection from predators, etc.

### Aquaculture ponds

Water bodies used for aquaculture.

### Aquatic Vegetation

Plants that grow partly or wholly in water whether rooted in the mud, as a lotus, or floating without anchorage, as the water hyacinth.

### Aquatic resources

**C**omprise fish, crustaceans, molluscs, shellfish, aquatic mammals and other aquatic organisms that are considered to live within the boundaries of the Exclusive Economic Zone (EEZ) of a country throughout their lifecycles, including both coastal and inland fisheries.

### Area under miscellaneous tree crops, groves, etc.

All culturable land not included under 'net area sown' but is put to some other agricultural use, such as land under casuarina trees, thatching grasses, bamboo bushes and other groves for fuel, etc.

### Atmosphere

The gaseous envelope surrounding the Earth. The dry atmosphere consists almost entirely of nitrogen (78.1% volume mixing ratio) and oxygen (20.9% volume mixing ratio), together with a number of trace gases, such as argon (0.93% volume mixing ratio), helium, radiatively active greenhouse gases such as carbon dioxide (0.035% volume mixing ratio) and ozone. In addition the atmosphere contains water vapour, whose amount is highly variable but typically 1% volume mixing ratio. The atmosphere also contains clouds and aerosols.

### Atmospheric Lifetime

Average time that a molecule resides in the atmosphere before it is removed by chemical reaction or deposition. This can also be thought of as the time that it takes after the human-caused emission of a gas for the concentrations of that gas in the atmosphere to return to natural levels. Greenhouse gas lifetimes can range from a few years to a few thousand years.

## B

### Barren and unculturable land

Land which cannot be brought under cultivation unless at high cost, irrespective of whether such land is in isolated blocks or within cultivated holdings.

### Biodiversity

Variability among living organisms from all sources including terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are part, including diversity within species, between species and of ecosystems. It is also a measure of ecosystem health.

### Biofuels

Gas or liquid fuel made from plant material (biomass). Includes wood, wood waste, wood liquors, peat, railroad ties, wood sludge, agricultural waste, straw, tires, fish oils, tall oil, sludge waste, waste alcohol, municipal solid waste, landfill gases, other waste and ethanol blended into motor gasoline.

### Biological resources

Renewable resources that are capable of regeneration through natural (non-managed or managed) processes. Include timber and aquatic resources and a range of other animal and plant resources (such as livestock, orchards, crops and wild animals), fungi and bacteria.

### Biomass

Materials that are biological in origin, including organic material (both living and dead) from above and below ground, for example, trees, crops, grasses, tree litter, roots and animals and animal waste.

### Biome

A distinct community of plants, animals or fungi that occupy a distinct region. It is often referred to as an ecosystem.

### Biosphere

Part of the Earth system comprising all ecosystems and living organisms, in the atmosphere, on

land (terrestrial biosphere) or in the oceans (marine biosphere), including derived dead organic matter, such as litter, soil organic matter and oceanic detritus.

### Biota

All animal and plant life of a particular region or time. Biotic (living) factors function with the abiotic (non-living) factors to form a complex unit such as an ecosystem.

### BOD

Biochemical oxygen demand (BOD, also called biological oxygen demand) is the amount of dissolved oxygen needed (i.e. demanded) by aerobic biological organisms to break down organic material present in a given water sample at certain temperature over a specific time period. The BOD value is most commonly expressed in milligrams of oxygen consumed per litre of sample during 5 days of incubation at 20 °C and is often used as a surrogate of the degree of organic pollution of water.

### BPL families

BPL or Below Poverty Line is an economic benchmark used by the Government in India to indicate economic disadvantage and to identify individuals and households in need of government assistance and aid. It is determined using various parameters which vary from state to state and within states.

## C

### Carbon Capture and Sequestration

Set of technologies that can greatly reduce carbon dioxide emissions from new and existing coal and gas-fired power plants, industrial processes and other stationary sources of carbon dioxide. It is a three-step process that includes capture of carbon dioxide from power plants or industrial sources; transport of the captured and compressed carbon dioxide (usually in pipelines); and underground injection and geologic sequestration, or permanent storage, of that carbon dioxide in rock formations that contain tiny openings or pores that trap and hold the carbon dioxide.

### Carbon Cycle

All parts (reservoirs) and fluxes of carbon. The cycle is usually thought of as four main reservoirs of carbon interconnected by pathways of exchange. The reservoirs are the atmosphere, terrestrial biosphere (usually includes freshwater systems), oceans and sediments (includes fossil fuels). The annual movements of carbon, the carbon exchanges between reservoirs, occur because of various chemical, physical, geological and biological processes. The ocean contains the largest pool of carbon near the surface of the Earth, but most of that pool is not involved with rapid exchange with the atmosphere.

### Carbon Dioxide

A naturally occurring gas and also a by-product of burning fossil fuels and biomass, as well as land-use changes and other industrial processes. It is the principal human caused greenhouse gas that affects the Earth's radiative balance. It is the reference gas against which other greenhouse gases are measured.

### Carbon Dioxide Equivalent

A metric measure used to compare the emissions from various greenhouse gases based upon their global warming potential (GWP). Carbon dioxide equivalents are commonly expressed as "million metric tons of carbon dioxide equivalents ($MMTCO_2Eq$)." The carbon dioxide equivalent for a gas is derived by multiplying the tons of the gas by the associated GWP.

$MMTCO_2Eq$ = (million metric tons of a gas) * (GWP of the gas)

### Carbon Dioxide Fertilization

The enhancement of the growth of plants as a result of increased atmospheric $CO_2$ concentration. Depending on their mechanism of photosynthesis, certain types of plants are more sensitive to changes in atmospheric $CO_2$ concentration.

### Carbon Footprint

The total amount of greenhouse gases that are emitted into the atmosphere each year by a person, family, building, organization, or company. A persons carbon footprint includes greenhouse gas emissions from fuel that an individual burns directly, such as by heating a home or riding in a car. It also includes greenhouse gases that come from producing the goods or services that the individual uses, including emissions from power plants that make electricity, factories that make products and landfills where trash gets sent.

### Carbon Sequestration

Terrestrial, or biologic, carbon sequestration is the process by which trees and plants absorb carbon dioxide, release the oxygen and store the carbon. Geologic sequestration is one step in the process of carbon capture and sequestration (CCS) and involves injecting carbon dioxide deep underground where it stays permanently.

### Census houses

A building or part of a building having a separate main entrance from the road or common courtyard or staircase etc., used or recognised as a separate unit, it may be inhabited or vacant and may be used for residential or non-residential purposes.

### Census household

A group of persons who commonly live together and would like to take their meals from a common kitchen unless some exigenciesprevent any of them from doing so. These may be one member households or two member or multi-member households - for census purposes each of one of these types is regarded as a household.

### Chlorofluorocarbons

Gases covered under the 1987 Montreal Protocol and used for refrigeration, air conditioning, packaging, insulation, solvents, or aerosol propellants. Since they are not destroyed in the lower atmosphere, CFCs drift into the upper atmosphere where, given suitable conditions, they break down ozone. These gases are being replaced by other compounds: hydro-chlorofluorocarbons, an interim replacement for CFCs that are also covered under the Montreal Protocol and hydro-fluorocarbons, which are covered under the Kyoto Protocol. All these substances are also greenhouse gases.

### Class-I cities

Towns with a population of 1,00,000 or more.

### Class-II towns

Towns with population greater than 50,000 but less than 99,999.

### Climate

Climate in a narrow sense is usually defined as the "average weather," or more rigorously, as the statistical description in terms of the mean and variability of relevant quantities over a period of time ranging from months to thousands of years. The classical period is 3 decades, as defined by the World Meteorological Organization (WMO). These quantities are most often surface variables such as temperature, precipitation and wind. Climate in a wider sense is the state, including a statistical description, of the climate system.

### Climate Change

Climate change refers to any significant change in the measures of climate lasting for an extended period of time. In other words, climate change includes major changes in temperature, precipitation, or wind patterns, among others, that occur over several decades or longer.

### Climate change adaptation

Adjustment in natural or human systems in response to actual or expected climatic stimuli or their effects, which moderates harm or exploits beneficial opportunities.

### Climate change evidence

Different processes that substantiate the occurrence of changing climate patterns at the global, regional and local levels. The evidence of global warming and climate change is unequivocal, including global temperature rise, extreme events, sea level rise, shrinking ice sheets and glacial retreat.

### Climate change mitigation

Efforts to reduce or prevent greenhouse gas emissions and may involve using new technologies, incorporating and increasing renewable energies, making older equipment more energy efficient and changing management practices or consumer behaviour. Protecting natural carbon sinks like forests and oceans, or creating new sinks through silviculture or green agriculture, are also elements of mitigation.

### Climate change-related statistics

According to UNECE, refer to environmental, social and economic data that measure the human causes of climate change, the impacts of climate change on human and natural systems and the efforts by humans to avoid and adapt to these consequences.

### Climate Feedback

A process that acts to amplify or reduce direct warming or cooling effects.

### Climate Lag

The delay that occurs in climate change as a result of some factor that changes only very slowly. For example, the effects of releasing more carbon dioxide into the atmosphere occur gradually over time because the ocean takes a long time to warm up in response to a change in radiation.

### Climate Model

A quantitative way of representing the interactions of the atmosphere, oceans, land surface and ice.

### Climate Sensitivity

In Intergovernmental Panel on Climate Change (IPCC) reports, equilibrium climate sensitivity refers to the equilibrium change in global mean surface temperature following a doubling of the atmospheric (equivalent) $CO_2$ concentration. More generally, equilibrium climate sensitivity refers to the equilibrium change in surface air temperature following a unit change in radiative forcing (degrees Celsius, per watts per square meter). One method of evaluating the equilibrium climate sensitivity requires very long simulations with Coupled General Circulation Models (Climate model). The effective climate sensitivity is a related measure that circumvents this requirement. It is evaluated from model output for evolving non-equilibrium conditions. It is a measure of the strengths of the feedbacks at a particular time and may vary with forcing history and climate state.

### Climate System (or Earth System)

The five physical components (atmosphere, hydrosphere, cryosphere, lithosphere and biosphere) that are responsible for the climate and its variations.

### Co-Benefit

The benefits of policies that are implemented for various reasons at the same time including

climate change mitigation acknowledging that most policies designed to address greenhouse gas mitigation also have other, often at least equally important, rationales (e.g., related to objectives of development, sustainability and equity).

### Coliform

Group of bacteria (most common being the Escherichia coli or E. coli which can grow at elevated temperatures) found in the intestinal tract (therefore in the faeces) of humans and other animals. These rod-shaped microorganisms aid in digestion and are largely harmless. If ingested through contaminated food or water, however, they may cause bacterial or viral gastroenteritis, Hepatitis A, typhoid fever and associated problems. Total coliform includes Faecal Coliform bacteria as well as other types of Coliform bacteria that are naturally found in the soil.

### Concentration

Amount of a chemical in a particular volume or weight of air, water, soil or other medium.

### Conductivity

Measure of water's capability to pass electrical flow. This ability is directly related to the concentration of ions in the water. These conductive ions come from dissolved salts and inorganic materials such as alkalis, chlorides, sulphides and carbonate compounds.

### Conference of the Parties (COP)

The supreme body of the United Nations Framework Convention on Climate Change (UNFCCC). It comprises more than 180 nations that have ratified the Convention. Its first session was held in Berlin, Germany, in 1995 and it is expected to continue meeting on a yearly basis. The COP's role is to promote and review the implementation of the Convention. It will periodically review existing commitments in light of the Convention's objective, new scientific findings and the effectiveness of national climate change programs.

### Coral Bleaching

The process in which a coral colony, under environmental stress, expels the microscopic algae (zooxanthellae) that live in symbiosis with their host organisms (polyps). The affected coral colony appears whitened.

### Coral reefs

Consolidated living colonies of microscopic organisms found in warm tropical waters. The term coral reef or organic reef is applied to the rock-like reefs built-up of living things, principally corals. They consist of accumulations of calcareous deposits of corals and coralline algae with the intervening space connected with sand, which consists largely of shells of foraminifera. Present reefs are living associations growing on this accumulation of past.

### Creek

A notable physiographic feature of salt marshes, especially low marshes, these creeks develop, like rivers, into definite channels.

### Critical or Critically Endangered

A taxon is critical when it is facing an extremely high probability of extinction in the wild in immediate future.

### Crops

Plants or agricultural produce grown for food or other economic purposes, such as for textiles or livestock fodder

### Crown cover

The canopy formed by the crowns of all the trees in a forest or in an uneven aged forest by the crowns of all trees in a specified crowns class.

### Cryosphere

One of the interrelated components of the Earth's system, the cryosphere is frozen water in the form of snow, permanently frozen ground (permafrost), floating ice and glaciers. Fluctuations in the volume of the cryosphere cause changes in ocean sea level, which directly impact the atmosphere and biosphere.

### Cultivable waste

Land available for cultivation but not taken for cultivation or abandoned after a few years for one reason or the other. Such lands may be either fallow or covered with shrubs and jungles not put to any use. These may be assessed or unassessed and may lie in isolated blocks or within cultivated during the year and the last five or more consecutive years in succession, will be included in this category.

### Cultivated biological resources

Animal and tree, crop and plant resources yielding repeat products whose natural growth and regeneration are under the direct control, responsibility and management of an institutional unit.

### Current fallow

Cultivable area kept fallow during the current agricultural year. Any seedling area in the current agricultural year not cropped in the same year is also treated as current fallow.

## D

### Deforestation

Practices or processes that result in the conversion of forested lands for non-forest uses. The term specifically excludes areas where the trees have been removed as a result of harvesting or logging and where the forest is expected to regenerate naturally or with the aid of silvicultural measures.

### Dense Forest

Forests whose crown density is 40 percent or above.

### Depletion

In physical terms, it is the decrease in the quantity of the stock of a natural resource over an accounting period that is due to the extraction of the natural resource by economic units occurring at a level greater than that of regeneration.

### Derelict water

Water which is abundant or unused. Such water may be useful in aquaculture practices after treatment and settlement. Usually the stagnant waters of fresh water ponds and lakes which are inhabituated with weeds come under this category.

### Desertification

Land degradation in arid, semi-arid and dry sub-humid areas resulting from various factors, including climatic variations and human activities. Further, the UNCCD (The United Nations Convention to Combat Desertification) defines land degradation as a reduction or loss, in arid, semi-arid and dry sub-humid areas, of the biological or economic productivity and complexity of rain-fed cropland, irrigated cropland, or range, pasture, forest and woodlands resulting from land uses or from a process or combination of processes, including processes arising from human activities and habitation patterns, such as: (i) soil erosion caused by wind and/or water; (ii) deterioration of the physical, chemical and biological or economic properties of soil; and (iii) long-term loss of natural vegetation. Conversion of forest to non-forest.

### Disasters

Unforeseen and often sudden events that cause great damage, destruction and human suffering. They often exceed local response capacities and require external assistance at the national or international level. Depending on their cause, disasters can be both natural and technological.

### Dissipative losses

Material residues that are an indirect result of production and consumption activity.

### Dissipative uses of products

Products that are deliberately released to the environment as part of production processes.

### DO or Dissolved Oxygen

Amount of oxygen dissolved (and hence available to sustain marine life) in a body of water such as a lake, river, or stream. DO is the most important indicator of the health of a water body and its capacity to support a balanced aquatic ecosystem of plants and animals. Wastewater containing organic (oxygen consuming) pollutants depletes the dissolved oxygen and may lead to the death of marine organisms.

### Driving Force-Pressure-State-Impact-Response (DPSIR) framework

An analytical framework that is based on the causal relationship between its D-P-S-I-R components. **D**riving forces are the socio-economic and socio-cultural forces driving human activities, which increase or mitigate pressures on the environment. **P**ressures are the stresses that human activities place on the environment. **S**tate, or state of the environment, is the condition of the environment. **I**mpacts are the effects of environmental degradation. **R**esponses refer to the responses by society to the environmental situation.

### Dryland Farming

A technique that uses soil moisture conservation and seed selection to optimize production under dry conditions.

## E

### Eccentricity

Extent to which the Earth's orbit around the Sun departs from a perfect circle.

### Economic territory

Area under the effective control of a single government. It includes the land area of a country, including islands, airspace, territorial waters and territorial enclaves in the rest of the world. Economic territory excludes territorial enclaves of other countries and international organizations located in the reference country.

### Ecosystem

A dynamic complex of plant, animal and microorganism communities and their non-living environment interacting as a functional unit.

### Ecosystem services

Benefits supplied by the functions of ecosystems and received by humanity.

### Emissions

Substances released to the environment by establishments and households as a result of production, consumption and accumulation processes. Emissions to air are those released to atmosphere, while those to water are released to water resources.

### Emissions Factor

A unique value for scaling emissions to activity data in terms of a standard rate of emissions per unit of activity (e.g., grams of carbon dioxide emitted per barrel of fossil fuel consumed, or per pound of product produced)

### Endangered

Species in danger of extinction and whose survival is unlikely if the casual factors continue operating. Included are species whose numbers have been reduced to a critical level or whose habitats have been so drastically reduced that they are deemed to be in immediate danger of extinction.

### Energy Efficiency

Using less energy to provide the same service.

### Energy production

Capture, extraction or manufacture of fuels or other energy products in forms which are ready for general consumption. Energy production includes the production of primary and secondary energy. Primary energy refers to energy sources as found in their natural state, as opposed to derived or secondary energy, which is the result of the transformation of primary sources.

### Enhanced Greenhouse Effect

The concept that the natural greenhouse effect has been enhanced by increased atmospheric concentrations of greenhouse gases (such as $CO_2$ and methane) emitted as a result of human activities. These added greenhouse gases cause the earth to warm.

### Enteric Fermentation

Livestock, especially cattle, produce methane as part of their digestion. This process is called enteric fermentation and it represents one third of the emissions from the agriculture sector.

### Environmental awareness

The gradual understanding of environmental issues and the recognition of the connections among human actions, development, sustainability and human responsibility in these processes. Environmental awareness involves the realization that humans and ecosystems co-exist in a shared environment, which is ultimately the biosphere. Awareness fosters pro-environmental attitudes and predispositions for action and changed behaviour.

### Environmental data

Large amounts of unprocessed observations and measurements about the environment and related processes.

### Environmental education

The process of sharing and constructing environmental information and knowledge, as well as information on how humans interact with the environment. Environmental education may be curriculum- and classroom-based or experiential and may be provided on-site or in community settings by government agencies or NGOs.

### Environmental engagement

The transformation of perceptions and attitudes into concrete, pro-environmental actions. Individual and social participation and engagement in environmental processes intended to improve and protect the local and global environment are a concrete manifestation of understanding, motivation and commitment to protecting and improving the environment, expressed through behaviour.

### Environmental Goods and Services Sector (EGSS)

A heterogeneous set of producers of technologies, goods and services that: (i) measure, control, restore, prevent, treat, minimise, research and sensitise environmental damages to air, water and soil as well as problems related to waste, noise, biodiversity and landscapes. This includes “cleaner” technologies, goods and services that prevent or minimise pollution; and (ii) measure, control, restore, prevent, minimise, research and sensitise resource depletion. This results mainly in resource-efficient technologies, goods and services that minimise the use of natural resources.

### Environmental health

Depiction of how environmental factors and processes impact and change human health. It can be defined as an interdisciplinary field that focuses on analysing the relationship between public health and the environment. From the health perspective, WHO states that "environmental health addresses all the physical, chemical and biological factors external to a person and all the related factors impacting behaviours. It encompasses the assessment and control of those environmental factors that can potentially affect health. It is targeted towards preventing disease and creating health-supportive environments […]".

### Environmental indicators

Environment statistics that have been selected for their ability to depict important phenomena or dynamics. Environmental indicators are used to synthesize and present complex environment and other statistics in a simple, direct, clear and relevant way.

### Environmental indices

Composite or more complex measures that combine and synthesize more than one environmental indicator or statistic and are weighted according to different methods.

### Environmental information

Quantitative and qualitative facts describing the state of the environment and its changes as described in the different components of the FDES.

### Environmental perception

Individuals' and groups' notions of, attitudes towards and evaluations of the environment, both as a whole or with respect to specific environmental issues. Individuals and communities make decisions and judgments and take actions based on subjective perceptions of environmental information and experiences. Values and attitudes thus "filter" information and transform it into perception in a culturally specific manner.

### Environmental protection activities

Those activities whose primary purpose is the prevention, reduction and elimination of pollution and other forms of degradation of the environment. These activities include the protection of ambient air and climate, wastewater management, waste management, protection and remediation of soil, groundwater and surface water, noise and vibration abatement, protection of biodiversity and landscapes, protection against radiation, research and development for environmental protection and other environmental protection activities.

### Environmental regulation and instruments

Policy responses to regulate and establish acceptable limits for protecting the environment and human health.

### Environmental resources

Naturally occurring living and non-living components of the Earth, together constituting the biophysical environment, which may provide benefits to humanity. Environmental resources include natural resources (such as sub-soil resources (mineral and energy), soil resources, biological resources and water resources) and land. They may be naturally renewable (e.g., fish, timber or water) or non-renewable (e.g., minerals).

### Environment statistics

Environmental data that have been structured, synthesized and aggregated according to statistical methods, standards and procedures. The scope of environment statistics covers biophysical aspects of the environment and those aspects of the socio-economic system that directly influence and interact with the environment.

### Extinct

Species that are no longer known to exist in the wild after repeated searches of the type in localities and other known or likely places.

### Extreme events

Events that are rare within their statistical reference distribution at a particular location. An extreme event is normally as rare as or rarer than the 10th or 90th percentile.

### Evapotranspiration

The combined process of evaporation from the Earth's surface and transpiration from vegetation.

## F

### Fauna

The animal life of a particular region or time

### Flared (Natural Gas)

Excess gas combusted during the production of natural gas from oil and natural gas wells. Natural gas consists primarily of methane, but also contains other gases and some volatile organic compounds (VOCs). VOCs can combine with Nitrogen Oxides (NOx) under the right weather conditions to form ozone. For various operational, safety and environmental reasons, methane and VOCs, are combusted or flared.

### Flora

The plant life of a particular region or time

### Fluorinated Gases

Powerful synthetic greenhouse gases such as hydro-fluorocarbons, perfluorocarbons and sulphur hexafluoride that are emitted from a variety of industrial processes. Fluorinated gases are sometimes used as substitutes for stratospheric ozone-depleting substances (e.g., chlorofluorocarbons, hydro-chlorofluorocarbons and halons) and are often used in coolants, foaming agents, fire extinguishers, solvents, pesticides and aerosol propellants.

### Fluorocarbons

Carbon-fluorine compounds that often contain other elements such as hydrogen, chlorine, or bromine. Common fluorocarbons include chlorofluorocarbons (CFCs), hydro-chlorofluorocarbons (HCFCs), hydro-fluorocarbons (HFCs) and perfluorocarbons (PFCs).

### Flush system latrine

The type of latrine which is connected to underground sewerage system, from which human excreta and wastes are flushed out by water.

### Forcing Mechanism

A process that alters the energy balance of the climate system, i.e. changes the relative balance between incoming solar radiation and outgoing infrared radiation from Earth. Such mechanisms include changes in solar irradiance, volcanic eruptions and enhancement of the natural greenhouse effect by emissions of greenhouse gases.

### Forest

Includes all actually forested area on the lands so classed or administered as forests under any legal enactment dealing with forests, whether state-owned or private.It does not include land that is predominantly under agricultural or urban land use.

### Forest Cover

Forest Cover refers to all lands more than one hectare in area, with a tree canopy density of more than 10 percent irrespective of ownership and legal status. Such lands may not necessarily be a recorded forest area. It also includes orchards, bamboo and palm. Tree cover comprises of tree

patches outside the recorded forest area exclusive of forest cover and less than the minimum mappable area (1 ha).

### Fossil Fuel

A general term for organic materials formed from decayed plants and animals that have been converted to crude oil, coal, natural gas, or heavy oils by exposure to heat and pressure in the earth's crust over hundreds of millions of years.

### Frost shattering

A type of land degradation/desertification typically seen in cold mountainous arid areas. In this, water enters cracks in rocks during the day and during the cold night it freezes. This exerts pressure on the rocks causing the cracks to widen and shattering the rocks into pieces. Frost shattering is a common occurrence in the mountainous regions of Uttarakhand, Jammu and Kashmir, Arunachal Pradesh and Himachal Pradesh.

### Fuel Switching

Substituting one type of fuel for another. In the climate-change discussion, it is implicit that the substituted fuel produces lower carbon emissions per unit energy produced than the original fuel, e.g., natural gas for coal.

## G

### Genetic resources

Genetic material of plants, animals or microorganisms containing functional units of heredity that are of actual or potential value as a resource for future generations of humanity.

### General Circulation Model (GCM)

A global, three-dimensional computer model of the climate system which can be used to simulate human-induced climate change. GCMs represent the effects of such factors as reflective and absorptive properties of atmospheric water vapour, greenhouse gas concentrations, clouds, annual and daily solar heating, ocean temperatures and ice boundaries.

### Geographic Information System (GIS)

An integrating technology that helps to capture, manage, analyse, visualize and model a wide range of data with a spatial or locational component.

### Geological map

Maps representing the distribution of different types of rock and surficial deposits, as well as locations of geologic structures such as faults and folds.

### Geomorphological map

Maps depicting the features of the Earth´s physical surface.

### Geospatial Information

The location and characteristics of different attributes of the atmosphere, surface and sub-surface. It is used to describe, display and analyse data with discernible spatial aspects, such as land use, water resources and natural disasters. Geospatial information allows for the visual display of different statistics in a map-based layout, which can make it easier for users to work with and understand the data.

### Geosphere

The soils, sediments and rock layers of the Earth's crust, both continental and beneath the ocean floors.

### Glacier

A multi-year surplus accumulation of snowfall in excess of snowmelt on land and resulting in a mass of ice at least 0.1 km2 in area that shows some evidence of movement in response to

gravity. A glacier may terminate on land or in water. Glacier ice is the largest reservoir of fresh water on Earth and second only to the oceans as the largest reservoir of total water.

### Global Average Temperature

An estimate of Earth's mean surface air temperature averaged over the entire planet.

### Global Warming

The recent and ongoing phenomenon of global average increase in temperature near the Earth's surface.

### Global Warming Potential

Measure of the total energy that a gas absorbs over a particular period of time (usually 100 years), compared to carbon dioxide.

### Government environmental protection and resource management expenditure

Includes government expenditure whose primary aim is to protect the environment and manage its resources

### Greenhouse Effect

Trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. Some of the heat flowing back toward space from the Earth's surface is absorbed by water vapour, carbon dioxide, ozone and several other gases in the atmosphere and then reradiated back toward the Earth's surface. If the atmospheric concentrations of these greenhouse gases rise, the average temperature of the lower atmosphere will gradually increase.

### Greenhouse Gas (GHG)

Any gas that absorbs infrared radiation in the atmosphere. Greenhouse gases include, carbon dioxide, methane, nitrous oxide, ozone, chlorofluorocarbons, hydro-chlorofluorocarbons, hydro-fluorocarbons, perfluorocarbons, sulphur hexafluoride.

### Gross area irrigated

An irrigated plot growing crop in more than one season, is counted as many times as it is cropped to arrive at gross area irrigated. In case of mixed crops, the area under component crops as reported by household is taken into account.

### Grossly polluting industries

As defined by CPCB, MOEF&CC, industries discharging effluents into a water course and (a) Handling hazardous substances, or (b) Effluent having BOD Load of 100 Kg per day or more, or (c) A combination of (a) and (b).

### Groundwater

Water that collects in porous layers of underground formations known as aquifers.

## H

### Habitat

Site or environment which a plant or animal lives, such as forest.

### Habitat Fragmentation

Process during which larger areas of habitat are broken into a number of smaller patches of smaller total area, isolated from each other by a matrix of habitats unlike the original habitat.

### Halocarbons

Compounds containing either chlorine, bromine or fluorine and carbon. Such compounds can act as powerful greenhouse gases in the atmosphere. The chlorine and bromine containing halocarbons are also involved in the depletion of the ozone layer.

### Halophyte

A plant adapted to living in salty soil, as along the seashore.

### Hazardous waste

Any waste which by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances.

### Heat Waves

A prolonged period of excessive heat, often combined with excessive humidity.

### Hermatypic corals

Those corals which build reefs by depositing hard calcareous material for their skeletons, forming the stony framework of the reef. Corals that do not contribute to coral reef development are referred to as ahermatypic (non-reef-building) species.

### High Altitude lakes

Lakes occurring in the Himalayan region. All lakes above the contour line of 3000 m above mean sea level have been classified as high altitude lakes.

### Household

A household is a group of persons who commonly live together and would take their meal from common kitchen unless the exigencies of work prevented any of them from doing so. There may be a household of persons related by blood or a household of unrelated persons or having a mix of both. Examples of unrelated households are boarding houses, messes, hostels, residential hotels, rescue homes, jails, ashrams, etc. These are called “Institutional Households”.

### Human settlements

Refer to the totality of the human community, whether people live in large cities, towns or villages. They encompass the human population that resides in a settlement, the physical elements (e.g., shelter and infrastructure), services (e.g., water, sanitation, waste removal, energy and transport) and the exposure of humans to potentially deleterious environmental conditions.

### Hydrocarbons

Substances containing only hydrogen and carbon. Fossil fuels are made up of hydrocarbons.

### Hydro-chlorofluorocarbons (HCFCs)

Compounds containing hydrogen, fluorine, chlorine and carbon atoms. Although ozone depleting substances, they are less potent at destroying stratospheric ozone than chlorofluorocarbons (CFCs). They have been introduced as temporary replacements for CFCs and are also greenhouse gases.

### Hydro-fluorocarbons (HFCs)

Compounds containing only hydrogen, fluorine and carbon atoms. They were introduced as alternatives to ozone depleting substances in serving many industrial, commercial and personal needs. HFCs are emitted as by-products of industrial processes and are also used in manufacturing. They do not significantly deplete the stratospheric ozone layer, but they are powerful greenhouse gases with global warming potentials.

### Hydrologic Cycle

The process of evaporation, vertical and horizontal transport of vapour, condensation, precipitation and the flow of water from continents to oceans. It is a major factor in determining climate through its influence on surface vegetation, the clouds, snow and ice and soil moisture. The hydrologic cycle is responsible for 25 to 30 percent of the mid-latitudes' heat transport from the equatorial to Polar Regions.

### Hydrosphere

The component of the climate system comprising liquid surface and subterranean water, such as: oceans, seas, rivers, fresh water lakes, underground water etc.

**I**

### Improved drinking water source

Includes the use of – pipedwater into dwelling, plot or yard; public tap or standpipe; borehole or tube well; protected dug well; protected spring; rainwater collection and bottled water (if a secondary available source is also improved).

### Improved sanitation facility

Defined as one that hygienically separates human excreta from human contact. Improved facilities include flush/pour flush toilets connected to a sewer, septic tank, or pit, ventilated improved pit latrines, pit latrines with slab and composting toilets.

### Incinerable (Waste)

Waste which can be incinerated without causing pollution to the environment or damage to the incineration plant.

### Institutional dimension of environment statistics

Refers to the institutional factors necessary to develop and strengthen the sustained production, dissemination and use of environment statistics. It comprises the legal framework that establishes the mandates and roles of the main partners, the institutional setting and institutional development level of environment statistics units and the existence and effectiveness of inter-institutional cooperation and coordination mechanisms at the national level and with specialized international agencies.

### In-stream water use

Refers to the use of water without moving it from its source or when water is immediately returned with little or no alteration.

### Insufficiently Known

A taxon is insufficiently known when an evaluation has been made but the available data are inadequate to assign a category.

### Intertidal mudflats

The unvegetated areas that are alternately exposed and inundated by the falling and rising of the tide. They may be mudflats or sand flats depending on the coarseness of the material of which they are made.

### Indirect Emissions

Indirect emissions from a building, home or business are those emissions of greenhouse gases that occur as a result of the generation of electricity used in that building. These emissions are called ‘indirect’ because the actual emissions occur at the power plant which generates the electricity, not at the building using the electricity.

### Industrial Revolution

A period of rapid industrial growth with far-reaching social and economic consequences, beginning in England during the second half of the 18th century and spreading to Europe and later to other countries including the United States. The industrial revolution marks the beginning of a strong increase in combustion of fossil fuels and related emissions of carbon dioxide.

### Infrared Radiation

Infrared radiation consists of light whose wavelength is longer than the red color in the visible part of the spectrum, but shorter than microwave radiation. Infrared radiation can be perceived as heat. The Earth’s surface, the atmosphere and clouds all emit infrared radiation, which is also known as terrestrial or long-wave radiation. In contrast, solar radiation is mainly short-wave radiation because of the temperature of the Sun.

### Intergovernmental Panel on Climate Change (IPCC)

The IPCC was established jointly by the United Nations Environment Programme and the World Meteorological Organization in 1988. The purpose of the IPCC is to assess information in the scientific and technical literature related to all significant components of the issue of climate change. The IPCC draws upon hundreds of the world's expert scientists as authors and thousands as expert reviewers. Leading experts on climate change and environmental, social and economic sciences from some 60 nations have helped the IPCC to prepare periodic assessments of the scientific underpinnings for understanding global climate change and its consequences. With its capacity for reporting on climate change, its consequences and the viability of adaptation and mitigation measures, the IPCC is also looked to as the official advisory body to the world's governments on the state of the science of the climate change issue. For example, the IPCC organized the development of internationally accepted methods for conducting national greenhouse gas emission inventories.

### Inundation

Submergence of land by water, particularly in a coastal setting.

### Irrigation

Process of purposely providing land with water other than rain water by artificial means.

### IUCN Red list (of Threatened Species)

The IUCN Red List of Threatened Species is the world's most comprehensive inventory of the global conservation status of plant and animal species. It uses a set of criteria to evaluate the extinction risk of thousands of species and subspecies. These criteria are relevant to all species and all regions of the world.

## K

### Known mineral deposits

Commercially recoverable deposits, potential commercially recoverable deposits and non-commercial and other known deposits.

## L

### Lagoons/Backwaters

Such coastal bodies of water, partly separated from the sea by barrier beaches or bass of marine origin, are more properly termed lagoons. As a rule, lagoons are elongate and lie parallel to the shoreline. A creek, arm of the sea or series of connected lagoons, usually parallel to the coast, separated from the sea by a narrow strip of land but communicating with it through barred outlets are referred to as ‘backwaters’.

### Lakes

Larger bodies of standing water occupying distinct basins. These wetlands occur in natural depressions and normally fed by streams/rivers.

### Land

Space provided for natural ecosystems, human habitats and human activities. As this space is finite, the expansion of human activities can reduce the space occupied by natural ecosystems, thus reducing ecosystems’ capacity to yield ecosystem goods and services for all living beings. From the resource perspective, land is a unique environmental resource that delineates the space in which economic activities and environmental processes take place and within which environmental resources and economic assets are located.

### Land cover

Observed (bio) physical cover on the earth's surface.

### Landfill
Land waste disposal site in which waste is generally spread in thin layers, compacted and covered with a fresh layer of soil each day.

### Landfillable (Waste)
Hazardous waste which cannot be recycled or incinerated safely, is deposited in specially created sites where the waste is deposited for final disposal and covered. These landfills are designed to minimize the chance of release of hazardous waste into the environment.

### Land put to non-agricultural uses
Land occupied by buildings, paths, etc. or under water (e.g. tank, canals, etc.) and land put to uses other than agricultural production.

### Land use
Reflects both the activities undertaken and the institutional arrangements put in place for a given area for the purposes of economic production, or the maintenance and restoration of environmental functions. Land being “used” means the existence of some kind of human activity or management. Consequently, there are areas of land that are “not in use” by human activities.

### Least Developed Country
A country with low indicators of socio-economic development and human resources, as well as economic vulnerability, as determined by the United Nations.

### Lithological map
Map differentiating the regions based on the rocks found in the region.

### Livestock
Animal species that are raised by humans for commercial purposes, consumption or labour.

### Long-Period Average (Monsoon)
Calculated on the basis of an average annual rainfall received during a significantly long period. In India, reference period used by IMD is 1951-2000.

### Longwave Radiation
Radiation emitted in the spectral wavelength greater than about 4 micrometers, corresponding to the radiation emitted from the Earth and atmosphere. It is sometimes referred to as 'terrestrial radiation' or 'infrared radiation,' although somewhat imprecisely.

## M

### Mangroves
The mangrove swamp is an association of halophytic trees, shrubs and other plants growing in brackish to saline tidal waters of tropical and sub-tropical coastlines.

### Methane (CH4)
A hydrocarbon that is a greenhouse gas with a global warming potential most recently estimated at 25 times that of carbon dioxide ($CO_2$). Methane is produced through anaerobic (without oxygen) decomposition of waste in landfills, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production and incomplete fossil fuel combustion.

### Metric Ton
Common international measurement for the quantity of greenhouse gas emissions. A metric ton is equal to 1000 kilograms.

### Metropolitan cities
Cities with a population of more than 4 million (or 40 lakh).

### Mitigation

A human intervention to reduce the human impact on the climate system; it includes strategies to reduce greenhouse gas sources and emissions and enhancing greenhouse gas sinks.

### Multilateral Environmental Agreements

Agreements that address, via international cooperation, environmental problems, especially those which have a trans-boundary nature or are global in scope. For the most relevant MEAs, participant or signatory countries are usually expected to report on progress periodically, either on a mandatory or voluntary basis.

### Municipal Solid Waste (MSW)

Includes commercial and residential wastes generated in municipal or notified areas in either solid or semi-solid form excluding industrial hazardous wastes but including treated bio-medical wastes. It consists of household waste, wastes from hotels and restaurants, construction and demolition debris, sanitation residue and waste from streets.

## N

### Natural biological resources

Consist of animals, birds, fish and plants that yield both once-only and repeat products for which natural growth and/or regeneration is not under the direct control, responsibility and management of institutional units.

### Natural Gas

Underground deposits of gases consisting of 50 to 90 percent methane ($CH_4$) and small amounts of heavier gaseous hydrocarbon compounds such as propane (C3H8) and butane (C4H10).

### Natural Variability

Variations in the mean state and other statistics (such as standard deviations or statistics of extremes) of the climate on all time and space scales beyond that of individual weather events. Natural variations in climate over time are caused by internal processes of the climate system, as well as changes in external influences, such as volcanic activity and variations in the output of the sun.

### Net area irrigated

Total of all the areas irrigated from different sources, counting each area irrigated only once even though it was irrigated more than once in the same year.

### Net sown area

Sown area with crops and orchards, counting in the area sown more than once in the same year, only once. The net area sown was defined as the difference between the total geographical area of all plots of land of the holding and the sum of the areas of land under (1) forest, (2) barren & uncultivable wastes, (3) put to non-agricultural uses, (4) culturable wastes, (5) permanent pastures & other grazing land, (6) miscellaneous tree crops excluding orchards and (7) all type of fallow lands.

### Nitrogen Cycle

The natural circulation of nitrogen among the atmosphere, plants, animals and microorganisms that live in soil and water. Nitrogen takes on a variety of chemical forms throughout the nitrogen cycle, including nitrous oxide ($N_2O$) and nitrogen oxides (NOx).

### Nitrogen Oxides (NOx)

Gases consisting of one molecule of nitrogen and varying numbers of oxygen molecules. Nitrogen oxides are produced in the emissions of vehicle exhausts and from power stations. In the atmosphere, nitrogen oxides can contribute to formation of photochemical ozone (smog), can impair visibility and have health consequences; they are thus considered pollutants

### Nitrous Oxide (N2O)

A powerful greenhouse gas with a global warming potential of 298 times that of carbon dioxide ($CO_2$). Major sources of nitrous oxide include soil cultivation practices, especially the use of commercial and organic fertilizers, fossil fuel combustion, nitric acid production and biomass burning. Natural emissions of $N_2O$ are mainly from bacteria breaking down nitrogen in soils and the oceans. Nitrous oxide is mainly removed from the atmosphere through destruction in the stratosphere by ultraviolet radiation and associated chemical reactions, but it can also be consumed by certain types of bacteria in soils.

### Non-Methane Volatile Organic Compounds (NMVOCs)

Organic compounds, other than methane, that participate in atmospheric photochemical reactions.

### Nuclear radiation-related diseases and conditions

Include, but are not limited to, thermal burns from infrared heat radiation, beta and gamma burns from beta and gamma radiation, radiation sickness or "atomic disease", leukaemia, lung cancer, thyroid cancer and cancer of other organs, sterility and congenital anomalies or malformations, premature aging, cataracts and increased vulnerability to disease and emotional disorders. Exposure to nuclear radiation could occur from a nuclear explosion or an accident involving a nuclear reactor.

## O

### Ocean Acidification

Increased concentrations of carbon dioxide in sea water causing a measurable increase in acidity (i.e., a reduction in ocean pH). This may lead to reduced calcification rates of calcifying organisms such as corals, molluscs, algae and crustaceans.

### Open Forest

Forest whose crown density is more than 10 percent but less than 40 percent.

### Other fallow land

All lands which are taken up for cultivation in the past, but are temporarily out of cultivation for a period of not less than one year and not more than five years including the current agricultural year are classified under 'other fallow'.

### Other non-cultivated biological resources

Include wild berries, fungi, bacteria, fruits, sap and other plant resources that are harvested, as well as wild animals that are trapped or killed for production, consumption and trade.

### Other wooded land

Land not classified as "Forest", spanning more than 0.5 hectares; with trees higher than 5 metres and a canopy cover of 5-10 per cent, or trees able to reach these thresholds in situ; or with a combined cover of shrubs, bushes and trees above 10 per cent. It does not include land that is predominantly under agricultural or urban land use.

### Ox-bow lakes/ Cut off meanders

A meandering stream may erode the outside shores of its broad bends and in time, the loops may become cut-off, leaving basins. The resulting shallow crescent-shaped lakes are called oxbow lakes.

### Oxidize

To chemically transform a substance by combining it with oxygen.

### Ozone

Ozone, the triatomic form of oxygen ($O_3$), is a gaseous atmospheric constituent. In the troposphere, it is created by photochemical reactions involving gases resulting both from natural

sources and from human activities (photochemical smog). In high concentrations, tropospheric ozone can be harmful to a wide range of living organisms. Tropospheric ozone acts as a greenhouse gas. In the stratosphere, ozone is created by the interaction between solar ultraviolet radiation and molecular oxygen (O2). Stratospheric ozone plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric ozone, due to chemical reactions that may be enhanced by climate change, results in an increased ground-level flux of ultraviolet (UV-) B radiation

### Ozone Depleting Substance (ODS)

A family of man-made compounds that includes, but are not limited to, chlorofluorocarbons (CFCs), bromofluorocarbons (halons), methyl chloroform, carbon tetrachloride, methyl bromide and hydro-chlorofluorocarbons (HCFCs). These compounds have been shown to deplete stratospheric ozone and therefore are typically referred to as ODSs.

### Ozone Layer

The layer of ozone that begins approximately 15 km above Earth and thins to an almost negligible amount at about 50 km, shields the Earth from harmful ultraviolet radiation from the sun. The highest natural concentration of ozone (approximately 10 parts per million by volume) occurs in the stratosphere at approximately 25 km above Earth. The stratospheric ozone concentration changes throughout the year as stratospheric circulation changes with the seasons. Natural events such as volcanoes and solar flares can produce changes in ozone concentration, but man-made changes are of the greatest concern.

### Ozone Precursors

Chemical compounds, such as carbon monoxide, methane, non-methane hydrocarbons and nitrogen oxides, which in the presence of solar radiation react with other chemical compounds to form ozone, mainly in the troposphere.

## P

### Pastures and grazing land

Include all grazing lands irrespective of whether they are permanent pastures and meadows or not. Grazing lands within forest area shall be included under this category.

### Particulate Matter(PM)

Very small pieces of solid or liquid matter such as particles of soot, dust, fumes, mists or aerosols. PM10 is particulate matter 10 micrometers or less in diameter, PM2.5 is particulate matter 2.5 micrometers or less in diameter.

### Parts per Billion (ppb)

Number of parts of a chemical found in one billion parts of a particular gas, liquid, or solid mixture.

### Parts per Million by Volume (ppmv)

Number of parts of a chemical found in one million parts of a particular gas, liquid, or solid.

### Parts per Trillion (ppt)

Number of parts of a chemical found in one trillion parts of a particular gas, liquid or solid.

### Perfluorocarbons (PFCs)

A group of chemicals composed of carbon and fluorine only. These chemicals (predominantly CF4 and C2F6) were introduced as alternatives, along with hydrofluorocarbons, to the ozone depleting substances. In addition, PFCs are emitted as by-products of industrial processes and are also used in manufacturing. PFCs do not harm the stratospheric ozone layer, but they are powerful

greenhouse gases: These chemicals are predominantly human-made, though there is a small natural source of CF4.

### pH

The logarithm to the base 10 of the reciprocal of Hydrogen ion concentration.

### Phenology

The timing of natural events, such as flower blooms and animal migration, which is influenced by changes in climate. Phenology is the study of such important seasonal events. Phenological events are influenced by a combination of climate factors, including light, temperature, rainfall and humidity.

### Photosynthesis

Process by which plants take $CO_2$ from the air (or bicarbonate in water) to build carbohydrates, releasing O2 in the process. There are several pathways of photosynthesis with different responses to atmospheric $CO_2$ concentrations.

### Precession

The wobble over thousands of years of the tilt of the Earth's axis with respect to the plane of the solar system.

### Protected Area Management Categories

Depending on the strictness of protection and serve as the classification for protected areas, the main categories are strict nature reserve; wilderness area; national park; natural monument or feature; habitat/species management area; protected landscape/seascape; and protected area with sustainable use of natural resources.

## R

### Radiation

Energy transfer in the form of electromagnetic waves or particles that release energy when absorbed by an object.

### Radiative Forcing

A measure of the influence of a particular factor (e.g. greenhouse gas (GHG), aerosol, or land use change) on the net change in the Earth's energy balance.

### Rare

The species with small world populations that are not at present endangered or vulnerable but are at risk. These species are usually localised within restricted geographic areas or habitats or are thinly scattered over a more extensive range.

### Recyclable (Hazardous Waste)

A hazardous waste is said to be recyclable, if it can be used, reused, or reclaimed.

### Recycling

Collecting and reprocessing a resource so it can be used again.

### Reflectivity

Ability of a surface material to reflect sunlight including the visible, infrared and ultraviolet wavelengths.

### Reforestation

Planting of forests on lands that have previously contained forests but that have been converted to some other use.

### Re-injected (Natural gas)

Gas which is re-injected into an underground reservoir, typically one already containing both natural gas and crude oil, in order to increase the pressure within the reservoir and thus induce the flow of crude oil.

### Relative Sea Level Rise

The increase in ocean water levels at a specific location, taking into account both global sea level rise and local factors, such as local subsidence and uplift. Relative sea level rise is measured with respect to a specified vertical datum relative to the land, which may also be changing elevation over time.

### Remaining resources

Mineral resources that have not yet been declared as economically viable, but are potentially valuable and for which reasonable prospects exist for eventual economic extraction.

### Remote sensing

Science of obtaining information about objects or areas from a distance, typically from aircraft or satellites.

### Renewable Energy

Energy captured from resources that are naturally replenishing such as biomass, hydro, geothermal, solar, wind, ocean thermal, wave action and tidal action.

### Renewable water resources

Resources are generated by precipitation and inflows of water from neighbouring territories and reduced by evapotranspiration.

### Reserves

Estimates of deposits, that are valuable and legally and economically and technically feasible

### Reservoir/Barrage

A pond or lake built for the storage of water, usually by the construction of a dam across a river or by dykes constructed for irrigation/water facilities.

### Resources - Proved, Indicated, Inferred

Based on the depth of the resource and the scope of exploration, resources are classified into proved, indicated and inferred resources. While proved resources (also referred to as reserves) are those which have been reliably estimated and can be recovered economically, Indicated resources are identified based on combination of direct measurement and reasonable geological assumptions. Inferred resources are based on geological evidence and assumed but have not yet been verified. In respect of coal resources in India, Proved Resources are coal resources falling within 200 m radius from a borehole point (or observation point).Indicated resources occur in the area falling between radii of 200m and 1km from a borehole point and Inferred resources occur in the area falling between radii of 1km and 2km from a borehole point.

### Residuals

Flows of solid, liquid and gaseous materials and energy, that are discarded, discharged or emitted by establishments and households through processes of production, consumption or accumulation.

### Resilience

A capability to anticipate, prepare for, respond to and recover from significant multi-hazard threats with minimum damage to social well-being, the economy and the environment.

### Resource management activities

Activities whose primary purpose is preserving and maintaining the stock of natural resources and hence safeguarding against depletion. These activities include, but are not limited to, reducing the withdrawals of natural resources; restoring natural resource stocks; the general management of natural resources (including monitoring, control, surveillance and data collection); and the production of goods and services used to manage or conserve natural resources. They cover the

management of mineral and energy resources; timber resources; aquatic resources; other biological resources; water resources; research and development activities for resource management; and other resource management activities.

### Reused water

Wastewater supplied to a user for further use with or without prior treatment.

### River/stream

These are linear water features of the landscape.

### Riverine Wetlands

Classified as marshes or swamp, these are formed when water accumulates along the rivers. Swamps are wetlands dominated by mosses, grass, trees or shrubs while marshes are frequently or continually inundated wetland characterised by emergent herbaceous vegetation adapted to saturated soil conditions.

## S

### Salt pans

Shallow rectangular man-made depressions in which saline water is accumulated for drying in the sun for making salt.

### Salt Marsh

Natural or semi-natural halophytic grassland and dwarf brushwood on the alluvial sediments bordering saline water bodies whose water level fluctuates either tidally or non- tidally.

### Salt Water Intrusion

Displacement of fresh or ground water by the advance of salt water due to its greater density, usually in coastal and estuarine areas.

### Sand/Beach

Beach is an un-vegetated part of the shoreline formed of loose material, usually sand that extends from the upper berm (a ridge or ridges on the backshore of the beach, formed by the deposit of material by wave action, that marks the upper limit of ordinary high tides and wave wash) to low water mark. Beach comprising rocky material is called rocky beach.

### Sea Surface Temperature

The temperature in the top several feet of the ocean, measured by ships, buoys and drifters.

### Sensitivity

The degree to which a system is affected, either adversely or beneficially, by climate variability or change. The effect may be direct (e.g., a change in crop yield in response to a change in the mean, range or variability of temperature) or indirect (e.g., damages caused by an increase in the frequency of coastal flooding due to sea level rise).

### Sink

Any process, activity or mechanism which removes a greenhouse gas, an aerosol or a precursor of a greenhouse gas or aerosol from the atmosphere.

### Slums

Residential areas where dwellings are unfit for human habitation by reasons of dilapidation, overcrowding, faulty arrangements and design of such buildings, narrowness or faulty arrangement of street, lack of ventilation, light, or sanitation facilities or any combination of these factors which are detrimental to the safety and health.

### Soil Carbon

A major component of the terrestrial biosphere pool in the carbon cycle. The amount of carbon in the soil is a function of the historical vegetative cover and productivity, which in turn is dependent in part upon climatic variables.

### Soil resources

Comprise the top layers (horizons) of soil that form a biological system.

### Solar Radiation

Radiation emitted by the Sun. It is also referred to as short-wave radiation. Solar radiation has a distinctive range of wavelengths (spectrum) determined by the temperature of the Sun.

### Species

Group of individual specimens having close resemblance but differing from others and belonging to the same genus.

### Stocks of non-renewable energy resources

Defined as the amount of known deposits of mineral energy resources.

### Stocks of mineral resources

Defined as the amount of known deposits of non-metallic and metallic mineral resources

### Stratosphere

Region of the atmosphere between the troposphere and mesosphere, having a lower boundary of approximately 8 km at the poles to 15 km at the equator and an upper boundary of approximately 50 km. Depending upon latitude and season, the temperature in the lower stratosphere can increase, be isothermal, or even decrease with altitude, but the temperature in the upper stratosphere generally increases with height due to absorption of solar radiation by ozone.

### Stratospheric Ozone

See ozone layer.

### Stream flow

Volume of water that moves over a designated point over a fixed period of time. It is often expressed as cubic feet per second.

### Sub-soil resources

Underground deposits of various minerals that provide raw materials and energy sources for humans. When considered as resources for human use, these sub-soil elements differ fundamentally from ecosystems in that they are non-renewable. Their use thus results in permanent depletion.

### Sulphate Aerosols

Particulate matter that consists of compounds of sulphur formed by the interaction of sulphur dioxide and sulphur trioxide with other compounds in the atmosphere. Sulphate aerosols are injected into the atmosphere from the combustion of fossil fuels and the eruption of volcanoes. Sulphate aerosols can lower the Earth's temperature by reflecting away solar radiation (negative radiative forcing).

### Sulphur Hexafluoride (SF6)

A colourless gas soluble in alcohol and ether, slightly soluble in water. A very powerful greenhouse gas used primarily in electrical transmission and distribution systems and as a dielectric in electronics.

### Surface water

Comprises all water that flows over or is stored on the ground’s surface, regardless of its salinity levels. Surface water includes water in artificial reservoirs, lakes, rivers and streams, snow, ice and glaciers

**T**

### Tanks/Ponds

An artificial pond, pool or lake formed by building a mud wall across the valley of a small stream to retain the monsoon or to store water, including those constructed for industrial purposes.

### Technological disasters

Disasters arising as a result of human intent, negligence or error, or from faulty or failed technological applications. The three types of technological disasters are: industrial accidents which cover accidents associated with chemical spill, collapse, explosion, fire, gas leak, poisoning, radiation and other; transport accidents which cover accidents associated with air, road, rail and water; and miscellaneous accidents which cover accidents associated with collapse, explosion, fire and other disasters of varied origin.

### Thermal Expansion

The increase in volume (and decrease in density) that results from warming water. A warming of the ocean leads to an expansion of the ocean volume, which leads to an increase in sea level.

### Timber resources

Defined by the volume of trees, living and dead, which can still be used for timber or fuel.

### Toxic substances

Include toxic pesticides (e.g., pesticides that have teratogenic, carcinogenic, tumorigenic and/or mutagenic effects) and toxic industrial chemicals (e.g., lead, arsenic, mercury and nickel, among others)

### Toxic substance-related diseases and health problems

Include, but are not limited to, chronic illnesses of the respiratory system (such as pneumonia, upper and lower respiratory diseases, asthma and chronic obstructive pulmonary diseases), cancer, infertility and congenital anomalies or malformations.

### Trace Gas

Any one of the less common gases found in the Earth's atmosphere. Nitrogen, oxygen and argon make up more than 99 percent of the Earth's atmosphere. Other gases, such as carbon dioxide, water vapour, methane, oxides of nitrogen, ozone and ammonia, are considered trace gases. Although relatively unimportant in terms of their absolute volume, they have significant effects on the Earth's weather and climate.

### Troposphere

The lowest part of the atmosphere from the surface to about 10 km in altitude in mid-latitudes (ranging from 9 km in high latitudes to 16 km in the tropics on average) where clouds and "weather" phenomena occur. In the troposphere temperatures generally decrease with height.

### Tropospheric Ozone (O3)

See ozone.

### Tropospheric Ozone Precursors

See ozone precursors.

### Turbidity

Measure of the degree to which the water loses its transparency due to the presence of suspended particulates.The more total suspended solids in the water, the murkier it seems and the higher the turbidity.Turbidity is considered as a good measure of the quality of water.

### Type of dwelling

Dwellings, have been classified under three categories, namely, chawl/bustee, independent house and flat.

(a) Chawl/Bustee:A collection of poorly built kutcha or semi-pucca huts or tenements.

(b) Independent house:A separate structure with a room or rooms and having all its accessories and a separate entrance to it. In other words, if the dwelling unit and the entire structure of the building are physically coterminous, it should be considered an independent house.
(c) Flat:All housing arrangements other than chawl/bustee and independent house are to be taken as flats. Flat thus includes any self-contained dwelling unit with a room or rooms provided with normal housing facilities for water supply and sanitation used exclusively by the family residing there or jointly with other families. It also includes detached room or rooms with or without other housing facilities.

### Type of structure

The structures have been classified into three categories, namely pucca, semi-pucca and kutcha on the basis of the materials used for construction.
(a) Pucca Structure:A structure whose walls and roof at least are made of pucca materials.
(b) Kutcha Structure:A structure which has walls and roof made of non-pucca materials.
(c) Semi-Pucca Structure:A structure which has either the walls or the roof, but not both, made of pucca materials.
Materials such as oven-burnt bricks, stone, stone-blocks, cement, concrete, jack-board (cement plastered reed), tiles and timber are pucca materials. Corrugated iron or asbestos sheets used in the construction of roof will also be treated as pucca materials.

U

### Ultraviolet Radiation (UV)

The energy range just beyond the violet end of the visible spectrum. Although ultraviolet radiation constitutes only about 5 percent of the total energy emitted from the sun, it is the major energy source for the stratosphere and mesosphere, playing a dominant role in both energy balance and chemical composition.Most ultraviolet radiation is blocked by Earth's atmosphere, but some solar ultraviolet penetrates and aids in plant photosynthesis and helps produce vitamin D in humans. Too much ultraviolet radiation can burn the skin, cause skin cancer and cataracts and damage vegetation.

### United Nations Framework Convention on Climate Change (UNFCCC)

The Convention on Climate Change, which entered into force on 21 March 1994, sets an overall framework for intergovernmental efforts to tackle the challenge posed by climate change. It recognizes that the climate system is a shared resource whose stability can be affected by industrial and other emissions of carbon dioxide and other greenhouse gases. The Convention enjoys near universal membership, with 189 countries having ratified.Under the Convention, governments:

- gather and share information on greenhouse gas emissions, national policies and best practices
- launch national strategies for addressing greenhouse gas emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries
- cooperate in preparing for adaptation to the impacts of climate change

### Urban Agglomeration

(i) A city or a town with a continuous outgrowth, the outgrowth being outside the statutory limits but falling within the boundaries of the adjoining villages; or
(ii) Two or more adjoining towns with their outgrowths, if any, as in (i) above; or

(iii) A city and one or more adjoining towns with or without outgrowths all of which form a continuous spread.

**V**

### Vascular plants

Land plants that use specialized lignified tissues (the xylem) for conducting water and minerals throughout the plant. They also have a specialized non-lignified tissue (the phloem) to conduct products of photosynthesis.Examples of vascular plants include trees, flowers, grasses and vines.

### Vector-borne diseases

Diseases transmitted by organisms (e.g., insects and arachnids) that carry viruses, bacteria, protozoa and other pathogens. Common vector-borne diseases include, but are not limited to, malaria, dengue fever, chikungunyafever, Acute Encephalitis Syndrome/Japanese Encephalitis and Kala-azar (Visceral leishmaniasis).

### Vulnerable

Species believed likely to move into the endangered category in the near future if the causal factors continue operating. Included are species of which most or all the populations are decreasing because of overexploitation, extensive destruction of habitat or other environmental disturbance; species with populations that have been seriously depleted and whose ultimate security is not yet assured; and species with populations that are still abundant but are under threat from serious adverse factors throughout their range.

### Vulnerability

Degree to which a system is susceptible to, or unable to cope with, adverse effects of climate change, including climate variability and extremes. Vulnerability is a function of the character, magnitude and rate of climate variation to which a system is exposed; its sensitivity; and its adaptive capacity.

**W**

### Waste

Covers discarded materials that are no longer required by the owner or user.

### Wastewater

Discarded water that is no longer required by the owner or user and contains dissolved or suspended waste materials

### Water abstraction

The amount of water that is removed from any source, either permanently or temporarily, in a given period of timeby economic activities and households.

### Waterlogged areas

Said of an area in which water stands near, at, or above the land surface, so that the roots of all plants except hydrophytes are drowned and the plants die. Spectrally, during the period when surface water exists, waterlogged areas appear more or less similar to lakes/ponds. However, during dry season large or all parts of such areas dry up and give the appearance of mud/salt flats. Man-made activities like canals can also cause waterlogging in adjacent areas due to seepage especially when canals are unlined. Such areas can be identified along the canal network.

### Water-related diseases and conditions

Diseases and conditions resulting from micro-organisms and chemicals in the water that humans drink. They include, but are not limited to, diseases caused by biological contamination, such as

gastroenteritis infections caused by bacteria, viruses and protozoa and water-borne parasite infections.

### Water resources

Consist of freshwater and brackish water, regardless of their quality, in inland water bodies, including surface water, groundwater and soil water

### Watershed

The geographic area through which water flows across the land and drains into a common body of water, whether a stream, river, lake, or ocean.

### Water Vapour

The most abundant greenhouse gas, it is the water present in the atmosphere in gaseous form. Water vapour is an important part of the natural greenhouse effect. In addition to its role as a natural greenhouse gas, water vapour also affects the temperature of the planet because clouds form when excess water vapour in the atmosphere condenses to form ice and water droplets and precipitation.

### Weather

Atmospheric condition at any given time or place. It is measured in terms of such things as wind, temperature, humidity, atmospheric pressure, cloudiness and precipitation. In most places, weather can change from hour-to-hour, day-to-day and season-to-season. Climate in a narrow sense is usually defined as the "average weather". A simple way of remembering the difference is that climate is what you expect (e.g. cold winters) and 'weather' is what you get (e.g. a blizzard).

### Wetlands

Areas of land that are either temporarily or permanently covered by water. These are neither truly aquatic nor terrestrial; it is possible that wetlands can be both at the same time depending on seasonal variability. These could be natural or man-made and found both in the inland and coastal areas.

150 YEARS OF CELEBRATING THE MAHATMA

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