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#### RESEARCH ARTICLE

# IMPACT OF URBAN CONNECTIVITY ON ECONOMIC GROWTH: QUANTITATIVE STUDY

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### Manuscript Info

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#### Key words:-

urbanisation, growth, road infrastructure, productivity, railway routes.

#### Abstract

This paper examines the role of increased urban connectivity (via roads and railways) on economic growth in India. Effective road and railway infrastructure save time on trips, reduce transportation costs, improve access to markets, and improve economic productivity. Using data from 15 states for the time period 2011to 2019 the effect of highway and railway routes on regional economic growth has been found. This study employs a fixed effects panel regression model while commenting upon the relationship between the changes in connectivity and the Gross State Domestic Product (GSDP) of a state. The results of the regression analysis demonstrate a strong positive relationship between increased connectivity, through road and rail networks, on economic performance of the region. The research thus concludes that increase in investment for transport infrastructure is often viewed as a means of improving mobility as well as it can also provide an essential avenue through which regional disparity can be reduced. This finding supports the hypothesis that better connectivity reduces transaction costs, facilitates trade, enhances labour mobility, and encourages the diffusion of economic activities across regions. Thus, urban connectivity enables urbanization, and ultimately, ensures economic growth is sustained and spread across India.

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#### Introduction:-

Economic growth is the increase in the production of goods and services by the nation over a period of time, leading to more income, a better quality of life and increased employment. Urbanization is defined as a population shift from rural to urban areas resulting in the growth of technology and industry. Urbanization is spurred on by mostly market-based economic growth which is an important precursor to industrialization, innovation and ultimately economy of scale. As urban cities expand, it becomes even more necessary to have efficient infrastructure, particularly roadways, bridges and railways.

Roadways help people transport goods and services from one place to another place. Roads link the market place with resource hubs, reducing transportation costs while increasing productivity and how smoothly products can enter the market. Door-to-door collection and delivery is possible in case of road transport only. Road infrastructure encourages trade, creation of jobs, investment opportunities and horizontal economic integration by local governments. Moreover, cities with effective road planning reduce road congestion, facilitate public transport in

space-constrained areas, and provide a logistical competitive advantage making the city attractive to investment and other economic activities. This alone can contribute positively to the local economy in terms of expansion. By investing into roads infrastructure in urban areas, local governments can expand regional economies at taxpayer and corporate expense. Road infrastructure is one of the foremost ways governments can continue to economically grow regionally while ultimately growing the cities responsible for its economic and spatial boundary. Therefore, without roadinfrastructure urban and rural economic growth is stunted or limited.

On the other hand, railway infrastructure is essential for economic development, acting as a fundamental part of urban and regional development. Railway infrastructure initiates industrialization and makes trade faster and cheaper. It helps carrying heavy and bulky goods over a long distance. Besides, electrified railway network provides a faster, safer and pollution free transport at a lower cost. Along with this the metro railway projects accelerates the urbanisation process. Road and railway development extends to other social outcomes through increased access to schooling and education, quality healthcare, jobs and work opportunities, and other civic engagement opportunities. With urbanization, the vitality of cohesive road systems with interconnectivity is critical for sustainable development of local economies and regionally.

As a result, continued investment in road and railway infrastructure is important for economic resilience, creating economic opportunity and equilibrium, which will advance economic development for the long term in both developed and developing regions.

In this research paper, our focus is to verify whether urban connectivity in each state is related to its economic growth. We have emphasized mainlyon 15 states named Maharashtra, Andhra Pradesh, Assam, westbengal, Punjab, Gujarat, Karnataka, Uttar Pradesh, Rajasthan, Tamil Nadu, Himachal Pradesh, Madhya Pradesh, Manipur, Jammu& Kashmir, Kerala for the time period 2011-2019 to check the impact of urban connectivity on regional development.

#### Literature Review:-

Mishara (2019), discussed how transport systems like buses, metros, and roads help cities grow by connecting people, jobs, and businesses. The author says India needs to plan cities better, build more public transport, and keep housing and jobs close to each other. Moreover, he mentioned that if road connectivity is developed in rural areas rural productivity will increase which in turn reduces the rural-urban migration. It explains that better transport makes cities more productive because people can reach places faster and businesses can work more smoothly.

The paper also suggests how govt. Can use tax revenue generated from land to pay for more transport projects. Maparu & Mazumder (2017), found whether there is a two-way causal relation between economic growth and transport system of India. They explored that in most cases, when India's economy grows, the government spends more on transport. The study also highlighted how cities grow when people move in for jobs, which is linked to both the economy and transport options. Different types of transport (like roads, trains, ports, airports) affect city growth in different ways, and not all investments are equal. They found that investment on airways and railways positively affect economic growth in the short run and long run respectively. Investment to build highways or ports only influence urbanisation in the short run only.

Chakraborty & Guha (2009), looked at how having better infrastructure in villages — like roads, schools, and health centres — can improve quality of life and boost the rural economy of India. It highlighted about government projects like Bharat Nirman and NREGA that aim to improve roads, electricity, and water supply in villages. The authors created a ranking system to compare which Indian states have the best infrastructure in their villages and which ones are falling behind. It points out that states like Kerala and Haryana are doing well, while Bihar and Orissa need serious improvements. The study says both government and private partnership should work together to fix these gaps and help rural India grow.

Avery et al., (2017) explain how better connections between villages and cities (like roads, railways, and boats) can help poor rural areas develop faster. It says that when rural areas are better connected to cities, people get easier access to schools, hospitals, and markets to sell their products. The study gives examples from countries like India, China, and Vietnam, showing how good roads increased jobs, raised incomes, and reduced poverty. It also warns that just building roads isn't enough — poor people need affordable transport services too, or they'll stay left out. The authors say that to make development fair, governments must carefully plan where to build roads and make sure even the poorest areas are connected.

#### Research Gap:-

The literature reviewed above focused mainly on how development of overall infrastructure in urban areas or connectivity of rural areas with urban areas help in economic growth. This paper will emphasise, especially, on the effect of road and railway connectivity of urban areas on regional economic growth

#### **Research Objective:-**

How does increased urban connectivity measured by road network and length of railway route affect regional economic growth.

#### Methodology and data source:-

To find the objective of the paper we undertake quantitative analysis by collecting secondary data for the time period 2011 to 2019. We have chosen 15 states (Maharashtra, Andhra Pradesh, Assam, West Bengal, Punjab, Gujarat, Karnataka, Uttar Pradesh, Rajasthan, Tamil Nadu, Himachal Pradesh, Madhya Pradesh, Manipur, Jammu and Kashmir, Kerala) to check how urban connectivity improves economic growth. We have considered these 15 states as they consist of approximately 80% of India's GDP. So, these states contribute a significant amount to the GDP of the country.

Length of national highways (NH\_length, henceforth), state highways (SH\_length, henceforth) and length of railway route (Rail length, henceforth) are taken as the indicators of urban connectivity. Data of these indicators are collected from the Statistical Handbook of RBI for Indian states. The economic growth is measured by gross state domestic product (GSDP) at constant price 2011-12. The table containing data on all variables across the state over the given time period is given in appendix.

#### Findings:-

In order to find the objective, GSDP is taken as a dependent variable and NH length, SH length, Rail length are taken as independent variables. The proposed multilinear panel regression model is:

Gsdp<sub>it</sub>= a+ β<sub>1</sub>nh length<sub>it</sub>+β<sub>2</sub>sh length<sub>it</sub>+ β<sub>3</sub>Rail length<sub>it</sub>+ e<sub>it</sub>

Since the impact of urban connectivity on all states over the time will be observed, we have undertaken the fixed effect (FE, Henceforth) panel regression model.

The FE model eliminates the effect of all state-specific constant factors, ensuring that the estimated coefficients (NH length, SH length, Rail length) capture only the within-state variation over time. By controlling for these state-specific effects, the model estimates the impact of changes in national highways, state highways, and rail connectivity on GSDP within each state over time, providing more reliable and policy-relevant insights. To capture state fixed effect state dummy variables are included.

#### Testing for coefficients:-

# Here the null hypothesis is

B= 0 (it means there is no relation between urban connectivity and GSDP)

Alternative hypothesis is

B<sub>1</sub>>0 (it means there is a positive relation between length of national highway and GSDP)

 $B_2>0$  (it means there is a positive relation between length of state highway and GSDP)

 $B_3>0$  ((it means there is a positive relation between length of railway route and GSDP)

In this case test statistics is given by "t" =  $\frac{\widehat{B}}{SE\ OF\ \widehat{B}}$  Here we use "t" statistics as the standard deviation of population is

The null hypothesis will be rejected for the given observation if the observed value of t is greater than the tabulated value of t at 95% confidence interval i.e.

T obs> $t(\alpha,n-3)$  here  $\alpha$  is the level of significance

# **Analysis of data:**

## ANOVA table-1:

Source	Sum_sq	Df	F	P_value
C(State)	101,629,781,102,880,704.000	14.000	109.079922	0.000000000
NH_LENGTH	7,498,540,787,368,832.000	1.000	112.675274	0.000000000
SH_LENGTH	317,384,580,178,176.000	1.000	4.769114	0.030970250
RAIL_LENGTH	1,273,524,905,304,960.000	1.000	19.136365	0.000026567
Residual	7,786,351,890,686,312.000	117.000	Nan	Nan

Source: author's calculation

Table-2

Variable	Coefficient	Std_error	T_stat	P_value
Intercept	-124,200,645.681	30,764,063.701	-4.037	0.000
NH_LENGTH	7,917.297	745.139	10.622	0.000
SH_LENGTH	124.082	56.737	2.186	0.030
RAIL_LENGTH	51,784.322	11,826.997	4.379	0.000
C(State)[Assam]	50,707,631.597	18,206,615.426	2.787	0.006
C(State)[Gujarat]	40,969,069.187	16,291,630.866	2.514	0.013
C(State)[Himachal]	-29,419,668.053	16,518,847.868	-1.781	0.077
C(State)[Jammu&kashmir]	-31,016,982.256	16,663,099.857	-1.861	0.065
C(State)[Karnataka]	33,493,668.720	15,827,256.024	2.116	0.036
C(State)[Kerala]	-49,325,418.241	18,041,794.658	-2.734	0.007
C(State)[Madhya pradesh]	-16,293,992.876	16,252,007.086	-1.002	0.318
C(State)[Maharashtra]	18,632,758.289	15,592,440.537	1.195	0.234
C(State)[Manipur]	-50,334,059.568	16,462,618.163	-3.056	0.003
C(State)[Punjab]	-21,401,325.882	16,099,795.926	-1.330	0.186
C(State)[Rajasthan]	-6,442,708.295	16,033,861.926	-0.402	0.688
C(State)[Tamil nadu]	33,242,064.019	15,957,581.528	2.083	0.039

C(State)[Uttar pradesh]	15,107,148.513	17,042,240.802	0.887	0.377
C(State)[West bengal]	-9,642,927.909	15,546,351.309	-0.620	0.537

Source: author's calculation

#### Goodness of Fit and overall fitness of model

R-squared: 0.970518814

Adjusted R-squared: 0.966235223
F-statistic (model): 226.566635482

• Prob (F-statistic): 0.000000000 (displayed as 0.000)

Number of observations: 135
Degrees of freedom (model): 17
Degrees of freedom (residual): 117

Using the above methodology, we get a statistically significant relation between urban connectivity and GSDP. The value of the coefficient ( $\beta$ ) of length of national highway is 7,917.297. Now, as the P-value is less than 0.05, we will reject the null hypothesis and accept the alternative hypothesis i.e. There is positive and statistically significant relationship between length of national highway and GSDP. On the other hand, the value of coefficient of length of state highways is 124.082.

The p-value of this variable is also less than 0.05 which implies the probability of the null hypothesis for being true is less than 5%. So, null hypothesis can be rejected and positive relationship between length of state highways and GSDP is statistically proven. Moreover, the coefficient value of length of railway route is 51,784.322 with p-value less than 0.05. This implies the null hypothesis is rejected and the positive relationship between GSDP and length of railway route is statistically proven. The value of adjusted R square is 0.966 which shows the regressors can explain the model in 96.6% cases.

The value of the F-statistics also suggests that the model is overall highly significant. Coefficients of many state dummies like Assam, Gujarat, Karnataka, Tamil Nadu show that road and railway infrastructure have positive impact on their GSDP than their reference state.

On the other hand, roads and railway infrastructure of Kerala, Manipur have statistically significant negative on their GSDP than their reference states. Probably for these states geographical constraints and political instability couldn't translate the growth from urban connectivity.

Thus, it is empirically proved that urban connectivity has a positive impact on regional economic growth. The model confirms that improvements national highways and railwayare strongly associated with higher economic output (GSDP) across Indian states.

#### **Conclusion:-**

This study examines the impact of urban connectivity on regional economic growth in India by focusing on roads and railway connectivity. Collecting data from 15 states over the period of 2011–2019, and employing a fixed effect panel regression model, we analysed the relationship between indicators of urban connectivity—namely the length of railway routes, state highways, and national highways—and state-level economic performance.

The results show robust evidence that development of transport infrastructure will have a positive and highly statistically significant effect on regional economic growth. Among the indicators considered, both highways and railways were found to be key drivers of growth. This implies that multimodal transport systems are necessary for sustained regional development.

From a policy perspective, these results underscore the critical role of infrastructure investment in stimulating economic activity and narrowing regional disparities. Strategic expansion and maintenance of road and rail networks can yield long-term growth dividends, particularly when integrated with policies promoting urbanization, industrialization and market access.

Connecting economies enables the integration of rural and urban economies and provides access points for regional development, alleviating spatial inequality. However, state specific conditions also matter a lot, meaning that infrastructure policies need to be complemented with broader regional development strategies for maximum impact. At last, but not the least, this research demonstrates that strengthening urban connectivity is not merely an infrastructural imperative but a vital economic strategy for accelerating inclusive and sustainable growth in India.

#### Appendix Table- 1.1

State         Year         NH_LENGTH         SH_LENGTH         RAIL_LENGTH         GSDP           Maharastra         2011         4191         410521         5602         128036944           Maharastra         2012         4257         396685         5602         135794185           Maharastra         2013         4498         228816         5725         145161464           Maharastra         2014         6249         279996         5725         154316487           Maharastra         2015         7048         288931         5725         165428361           Maharastra         2016         7435         289940         5745         180704575           Maharastra         2016         7435         289940         5744         188870619           Maharastra         2018         16239         363972         5733         195738075           Maharastra         2019         17757         365045         5819         204661365           Andhra pradesh         2011         4537         238001         5602         37940203           Andhra pradesh         2012         4537         256448         5602         38062901           Andhra pradesh         2014	1.1		_		1	
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Andhra pradesh         2013         5022         261657         5725         40711475           Andhra pradesh         2014         6590         178096         5725         44456428           Andhra pradesh         2015         4670         179022         5725         49860626           Andhra pradesh         2016         5465         174367         5745         54021177           Andhra pradesh         2017         6383         176474         5784         59473653           Andhra pradesh         2018         6383         218190         5733         62661420           Andhra pradesh         2019         6914         176351         5819         64981035           Assam         2011         2836         241789         2434         14317491           Assam         2012         2940         284232         2459         14734238           Assam         2013         2940         288135         2459         15452540           Assam         2014         3634         313621         2468         16521231           Assam         2015         3784         326512         2471         19110899           Assam         2016         3821         <	Andhra pradesh	2011	4537	238001	5602	37940203
Andhra pradesh         2014         6590         178096         5725         44456428           Andhra pradesh         2015         4670         179022         5725         49860626           Andhra pradesh         2016         5465         174367         5745         54021177           Andhra pradesh         2017         6383         176474         5784         59473653           Andhra pradesh         2018         6383         218190         5733         62661420           Andhra pradesh         2019         6914         176351         5819         64981035           Assam         2011         2836         241789         2434         14317491           Assam         2012         2940         284232         2459         14734238           Assam         2013         2940         288135         2459         15452540           Assam         2014         3634         313621         2468         16521231           Assam         2015         3784         326512         2471         19110899           Assam         2016         3821         329520         2443         20208084           Assam         2017         3845         337777	Andhra pradesh	2012	4537	256448	5602	38062901
Andhra pradesh         2015         4670         179022         5725         49860626           Andhra pradesh         2016         5465         174367         5745         54021177           Andhra pradesh         2017         6383         176474         5784         59473653           Andhra pradesh         2018         6383         218190         5733         62661420           Andhra pradesh         2019         6914         176351         5819         64981035           Assam         2011         2836         241789         2434         14317491           Assam         2012         2940         284232         2459         14734238           Assam         2013         2940         288135         2459         15452540           Assam         2013         2940         288135         2459         15452540           Assam         2014         3634         313621         2468         16521231           Assam         2015         3784         326512         2471         19110899           Assam         2016         3821         329520         2443         20208084           Assam         2017         3845         33777	Andhra pradesh	2013	5022	261657	5725	40711475
Andhra pradesh         2016         5465         174367         5745         54021177           Andhra pradesh         2017         6383         176474         5784         59473653           Andhra pradesh         2018         6383         218190         5733         62661420           Andhra pradesh         2019         6914         176351         5819         64981035           Assam         2011         2836         241789         2434         14317491           Assam         2012         2940         284232         2459         14734238           Assam         2013         2940         288135         2459         15452540           Assam         2014         3634         313621         2468         16521231           Assam         2014         3634         326512         2471         19110899           Assam         2016         3821         329520         2443         20208084           Assam         2017         3845         337777         2440         21991938           Assam         2018         3845         343609         2465         23103956           Assam         2019         3909         399122	Andhra pradesh	2014	6590	178096	5725	44456428
Andhra pradesh         2017         6383         176474         5784         59473653           Andhra pradesh         2018         6383         218190         5733         62661420           Andhra pradesh         2019         6914         176351         5819         64981035           Assam         2011         2836         241789         2434         14317491           Assam         2012         2940         284232         2459         14734238           Assam         2013         2940         288135         2459         15452540           Assam         2014         3634         313621         2468         16521231           Assam         2015         3784         326512         2471         19110899           Assam         2016         3821         329520         2443         20208084           Assam         2016         3821         329520         2443         20208084           Assam         2017         3845         343609         2465         23103956           Assam         2018         3845         343609         2465         23103956           Assam         2019         3909         399122         2519	Andhra pradesh	2015	4670	179022	5725	49860626
Andhra pradesh         2018         6383         218190         5733         62661420           Andhra pradesh         2019         6914         176351         5819         64981035           Assam         2011         2836         241789         2434         14317491           Assam         2012         2940         284232         2459         14734238           Assam         2013         2940         288135         2459         15452540           Assam         2014         3634         313621         2468         16521231           Assam         2015         3784         326512         2471         19110899           Assam         2016         3821         329520         2443         20208084           Assam         2017         3845         337777         2440         21991938           Assam         2018         3845         343609         2465         23103956           Assam         2019         3909         399122         2519         24070724           West bengal         2011         2578         299209         3937         52048504           West bengal         2013         2681         309692         4037 </td <td>Andhra pradesh</td> <td>2016</td> <td>5465</td> <td>174367</td> <td>5745</td> <td>54021177</td>	Andhra pradesh	2016	5465	174367	5745	54021177
Andhra pradesh         2019         6914         176351         5819         64981035           Assam         2011         2836         241789         2434         14317491           Assam         2012         2940         284232         2459         14734238           Assam         2013         2940         288135         2459         15452540           Assam         2014         3634         313621         2468         16521231           Assam         2015         3784         326512         2471         19110899           Assam         2016         3821         329520         2443         20208084           Assam         2017         3845         337777         2440         21991938           Assam         2018         3845         343609         2465         23103956           Assam         2019         3909         399122         2519         24070724           West bengal         2011         2578         299209         3937         52048504           West bengal         2012         2681         315404         4000         54219091           West bengal         2013         2681         309692         4037	Andhra pradesh	2017	6383	176474	5784	59473653
Assam         2011         2836         241789         2434         14317491           Assam         2012         2940         284232         2459         14734238           Assam         2013         2940         288135         2459         15452540           Assam         2014         3634         313621         2468         16521231           Assam         2015         3784         326512         2471         19110899           Assam         2016         3821         329520         2443         20208084           Assam         2017         3845         337777         2440         21991938           Assam         2018         3845         343609         2465         23103956           Assam         2019         3909         399122         2519         24070724           West bengal         2011         2578         299209         3937         52048504           West bengal         2012         2681         315404         4000         54219091           West bengal         2013         2681         309692         4037         55853544           West bengal         2015         2910         295997         4070	Andhra pradesh	2018	6383	218190	5733	62661420
Assam       2012       2940       284232       2459       14734238         Assam       2013       2940       288135       2459       15452540         Assam       2014       3634       313621       2468       16521231         Assam       2015       3784       326512       2471       19110899         Assam       2016       3821       329520       2443       20208084         Assam       2017       3845       337777       2440       21991938         Assam       2018       3845       343609       2465       23103956         Assam       2019       3909       399122       2519       24070724         West bengal       2011       2578       299209       3937       52048504         West bengal       2012       2681       315404       4000       54219091         West bengal       2013       2681       309692       4037       55853544         West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730 <t< td=""><td>Andhra pradesh</td><td>2019</td><td>6914</td><td>176351</td><td>5819</td><td>64981035</td></t<>	Andhra pradesh	2019	6914	176351	5819	64981035
Assam       2013       2940       288135       2459       15452540         Assam       2014       3634       313621       2468       16521231         Assam       2015       3784       326512       2471       19110899         Assam       2016       3821       329520       2443       20208084         Assam       2017       3845       337777       2440       21991938         Assam       2018       3845       343609       2465       23103956         Assam       2019       3909       399122       2519       24070724         West bengal       2011       2578       299209       3937       52048504         West bengal       2012       2681       315404       4000       54219091         West bengal       2013       2681       309692       4037       55853544         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126	Assam	2011	2836	241789	2434	14317491
Assam       2014       3634       313621       2468       16521231         Assam       2015       3784       326512       2471       19110899         Assam       2016       3821       329520       2443       20208084         Assam       2017       3845       337777       2440       21991938         Assam       2018       3845       343609       2465       23103956         Assam       2019       3909       399122       2519       24070724         West bengal       2011       2578       299209       3937       52048504         West bengal       2012       2681       315404       4000       54219091         West bengal       2013       2681       309692       4037       55853544         West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126 </td <td>Assam</td> <td>2012</td> <td>2940</td> <td>284232</td> <td>2459</td> <td>14734238</td>	Assam	2012	2940	284232	2459	14734238
Assam       2015       3784       326512       2471       19110899         Assam       2016       3821       329520       2443       20208084         Assam       2017       3845       337777       2440       21991938         Assam       2018       3845       343609       2465       23103956         Assam       2019       3909       399122       2519       24070724         West bengal       2011       2578       299209       3937       52048504         West bengal       2012       2681       315404       4000       54219091         West bengal       2013       2681       309692       4037       55853544         West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	Assam	2013	2940	288135	2459	15452540
Assam       2016       3821       329520       2443       20208084         Assam       2017       3845       337777       2440       21991938         Assam       2018       3845       343609       2465       23103956         Assam       2019       3909       399122       2519       24070724         West bengal       2011       2578       299209       3937       52048504         West bengal       2012       2681       315404       4000       54219091         West bengal       2013       2681       309692       4037       55853544         West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	Assam	2014	3634	313621	2468	16521231
Assam       2017       3845       337777       2440       21991938         Assam       2018       3845       343609       2465       23103956         Assam       2019       3909       399122       2519       24070724         West bengal       2011       2578       299209       3937       52048504         West bengal       2012       2681       315404       4000       54219091         West bengal       2013       2681       309692       4037       55853544         West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	Assam	2015	3784	326512	2471	19110899
Assam       2018       3845       343609       2465       23103956         Assam       2019       3909       399122       2519       24070724         West bengal       2011       2578       299209       3937       52048504         West bengal       2012       2681       315404       4000       54219091         West bengal       2013       2681       309692       4037       55853544         West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	Assam	2016	3821	329520	2443	20208084
Assam       2019       3909       399122       2519       24070724         West bengal       2011       2578       299209       3937       52048504         West bengal       2012       2681       315404       4000       54219091         West bengal       2013       2681       309692       4037       55853544         West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	Assam	2017	3845	337777	2440	21991938
West bengal       2011       2578       299209       3937       52048504         West bengal       2012       2681       315404       4000       54219091         West bengal       2013       2681       309692       4037       55853544         West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	Assam	2018	3845	343609	2465	23103956
West bengal       2012       2681       315404       4000       54219091         West bengal       2013       2681       309692       4037       55853544         West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	Assam	2019	3909	399122	2519	24070724
West bengal       2013       2681       309692       4037       55853544         West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	West bengal	2011	2578	299209	3937	52048504
West bengal       2014       2908       313750       4070       57436432         West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	West bengal	2012	2681	315404	4000	54219091
West bengal       2015       2910       295997       4070       60954479         West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	West bengal	2013	2681	309692	4037	55853544
West bengal       2016       2956       316730       4135       65341593         West bengal       2017       3004       322067       4139       69498050         West bengal       2018       3004       329126       4139       73892038	West bengal	2014	2908	313750	4070	57436432
West bengal         2017         3004         322067         4139         69498050           West bengal         2018         3004         329126         4139         73892038	West bengal	2015	2910	295997	4070	60954479
West bengal 2018 3004 329126 4139 73892038	West bengal	2016	2956	316730	4135	65341593
	West bengal	2017	3004	322067	4139	69498050
West bengal 2019 3665 283865 4230 76179371	West bengal	2018	3004	329126	4139	73892038
1	West bengal	2019	3665	283865	4230	76179371

Punjab	2011	1557	84193	2134	26662827
Punjab	2012	1557	93871	2156	28082285
Punjab	2013	1557	98442	2215	29944973
Punjab	2014	1699	104160	2269	31212533
Punjab	2015	2239	105368	2269	33005193
Punjab	2016	2769	108379	2269	35272056
Punjab	2017	3228	139492	2269	37540561
Punjab	2018	3228	142635	2269	39701889
Punjab	2019	3274	147862	2265	41329463
Gujarat	2011	3245	156188	5271	61560607
Gujarat	2012	4032	163149	5257	68265021
Gujarat	2013	3828	165640	5257	73428387
Gujarat	2014	4694	179063	5259	81142764
Gujarat	2015	4971	182287	5259	89446534
Gujarat	2016	4971	179144	5259	98134196
Gujarat	2017	5456	180927	5259	108656973
Gujarat	2018	5456	201742	5285	118301975
Gujarat	2019	6635	249373	5320	126527733
Karnataka	2011	4396	281773	3073	60600981
Karnataka	2012	4396	303128	3090	64303302
Karnataka	2013	4642	305448	3228	70446604
Karnataka	2014	6177	313184	3281	74842913
Karnataka	2015	6432	321808	3281	83132178
Karnataka	2016	6503	345515	3281	94177416
Karnataka	2017	6991	361041	3424	101972354
Karnataka	2018	6991	354505	3499	108510063
Karnataka	2019	7335	358300	3540	115139320
Uttar pradesh	2011	6744	390256	8763	72405044
Uttar pradesh	2012	7818	403102	8800	75820497
Uttar pradesh	2013	7818	435969	8832	80206969
Uttar pradesh	2014	7986	397224	8920	83443238
Uttar pradesh	2015	8483	415383	8950	90824133
Uttar pradesh	2016	8483	422412	9077	101150027
Uttar pradesh	2017	9017	428055	9167	105639893
Uttar pradesh	2018	9017	436333	10324	109735324
Uttar pradesh	2019	11737	442907	8823	114163019
Rajasthan	2011	5885	241318	5784	43483664
Rajasthan	2012	7130	248604	5822	45456434
Rajasthan	2013	7180	226124	5872	48623018
Rajasthan	2014	7646	241243	5870	52150893
Rajasthan	2015	7886	248156	5898	56333953
Rajasthan	2016	7906	254279	5893	59674551
Rajasthan	2017	8972	265599	5894	62802002

Tamil nadu         2017         5918         261436         4028         112579344           Tamil nadu         2018         5918         270007         4030         120466736           Tamil nadu         2019         6742         271137         4031         124383550           Himachal         2011         1409         47963         296         7271983           Himachal         2012         1506         50449         296         7738428           Himachal         2013         1506         53223         296         8284669           Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         9627406           Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2017         2643         61899         296         11641398           Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2012         5064         201261         4954<	Rajasthan	2018	8972	313390	5929	64327828
Tamil nadu         2012         4943         230200         3943         79182431           Tamil nadu         2013         4943         238004         4027         85197558           Tamil nadu         2014         4975         254205         4027         89391507           Tamil nadu         2015         5006         261100         4027         96756246           Tamil nadu         2016         4946         261035         4027         103676212           Tamil nadu         2017         5918         261436         4028         112579344           Tamil nadu         2018         5918         270007         4030         120466736           Tamil nadu         2018         5918         270007         4030         120466736           Tamil nadu         2019         6742         271137         4031         124383550           Himachal         2011         1409         47963         296         7271983           Himachal         2012         1506         50449         296         7738428           Himachal         2013         1506         53523         296         8284669           Himachal         2014         2196         54388 </td <td>Rajasthan</td> <td>2019</td> <td>10342</td> <td>313469</td> <td>5937</td> <td>67831563</td>	Rajasthan	2019	10342	313469	5937	67831563
Tamil nadu         2013         4943         238004         4027         85197558           Tamil nadu         2014         4975         254205         4027         89391507           Tamil nadu         2015         5006         261100         4027         96756246           Tamil nadu         2016         4946         261035         4027         103676212           Tamil nadu         2017         5918         261436         4028         112579344           Tamil nadu         2018         5918         270007         4030         120466736           Tamil nadu         2018         5918         270007         4030         120466736           Tamil nadu         2019         6742         271137         4031         124383550           Himachal         2011         1409         47963         296         7271983           Himachal         2012         1506         50449         296         7738428           Himachal         2013         1506         53223         296         8284669           Himachal         2015         2466         55593         296         9627406           Himachal         2015         2643         61899	Tamil nadu	2011	4832	192339	4062	75148576
Tamil nadu         2014         4975         254205         4027         89391507           Tamil nadu         2015         5006         261100         4027         96756246           Tamil nadu         2016         4946         261035         4027         103676212           Tamil nadu         2017         5918         261436         4028         112579344           Tamil nadu         2018         5918         270007         4030         120466736           Tamil nadu         2019         6742         271137         4031         124383556           Himachal         2011         1409         47963         296         7271983           Himachal         2011         1409         47963         296         7738428           Himachal         2013         1506         53223         296         8284669           Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         9627406           Himachal         2017         2643         62812         296         10940627           Himachal         2018         2643         61899 <td< td=""><td>Tamil nadu</td><td>2012</td><td>4943</td><td>230200</td><td>3943</td><td>79182431</td></td<>	Tamil nadu	2012	4943	230200	3943	79182431
Tamil nadu         2015         5006         261100         4027         96756246           Tamil nadu         2016         4946         261035         4027         103676212           Tamil nadu         2017         5918         261436         4028         112579344           Tamil nadu         2018         5918         270007         4030         120466736           Tamil nadu         2019         6742         271137         4031         124383550           Himachal         2011         1409         47963         296         7271983           Himachal         2012         1506         50449         296         7738428           Himachal         2013         1506         55223         296         8284669           Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         10305499           Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2018         2643         61899         29	Tamil nadu	2013	4943	238004	4027	85197558
Tamil nadu         2016         4946         261035         4027         103676212           Tamil nadu         2017         5918         261436         4028         112579344           Tamil nadu         2018         5918         270007         4030         120466736           Tamil nadu         2019         6742         271137         4031         124383550           Himachal         2011         1409         47963         296         7271983           Himachal         2012         1506         50449         296         7738428           Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         9627406           Himachal         2016         2642         55759         296         10305499           Himachal         2016         2642         55759         296         10940627           Himachal         2017         2643         61899         296         11641398           Himachal         2018         2643         61899         296         11641398           Himachal         2019         2607         73230         312 <td>Tamil nadu</td> <td>2014</td> <td>4975</td> <td>254205</td> <td>4027</td> <td>89391507</td>	Tamil nadu	2014	4975	254205	4027	89391507
Tamil nadu         2017         5918         261436         4028         112579344           Tamil nadu         2018         5918         270007         4030         120466736           Tamil nadu         2019         6742         271137         4031         124383550           Himachal         2011         1409         47963         296         7271983           Himachal         2012         1506         50449         296         7738428           Himachal         2013         1506         53223         296         8284669           Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         9627406           Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2017         2643         61899         296         11641398           Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2012         5064         201261         4954<	Tamil nadu	2015	5006	261100	4027	96756246
Tamil nadu         2018         5918         270007         4030         120466736           Tamil nadu         2019         6742         271137         4031         124383550           Himachal         2011         1409         47963         296         7271983           Himachal         2012         1506         50449         296         7738428           Himachal         2013         1506         53223         296         8284669           Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         9627406           Himachal         2015         2466         55593         296         10305499           Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2018         2643         61899         296         11641398           Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955	Tamil nadu	2016	4946	261035	4027	103676212
Tamil nadu         2019         6742         271137         4031         124383556           Himachal         2011         1409         47963         296         7271983           Himachal         2012         1506         50449         296         7738428           Himachal         2013         1506         53223         296         8284669           Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         9627406           Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2018         2663         61899         296         1164139           Himachal         2018         2667         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955         31556159           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816	Tamil nadu	2017	5918	261436	4028	112579344
Himachal         2011         1409         47963         296         7271983           Himachal         2012         1506         50449         296         7738428           Himachal         2013         1506         53223         296         8284669           Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         9627406           Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2018         2643         61899         296         11641398           Himachal         2018         2667         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955         31556189           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996	Tamil nadu	2018	5918	270007	4030	120466736
Himachal         2012         1506         50449         296         7738428           Himachal         2013         1506         53223         296         8284669           Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         9627406           Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2018         2643         61899         296         11641398           Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955         31556159           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931	Tamil nadu	2019	6742	271137	4031	124383550
Himachal         2013         1506         53223         296         8284669           Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         9627406           Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2018         2643         61899         296         11641398           Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955         31556159           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         28	Himachal	2011	1409	47963	296	7271983
Himachal         2014         2196         54388         296         8906019           Himachal         2015         2466         55593         296         9627406           Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2018         2643         61899         296         11641398           Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955         31556159           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2018         8053	Himachal	2012	1506	50449	296	7738428
Himachal         2015         2466         55593         296         9627406           Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2018         2643         61899         296         11641398           Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955         31556159           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2018         8772 </td <td>Himachal</td> <td>2013</td> <td>1506</td> <td>53223</td> <td>296</td> <td>8284669</td>	Himachal	2013	1506	53223	296	8284669
Himachal         2016         2642         55759         296         10305499           Himachal         2017         2643         62812         296         10940627           Himachal         2018         2643         61899         296         11641398           Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955         31556159           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2017         8053         342654         5113         49710165           Madhya pradesh         2018         8053         363972         4829         54327196           Manipur         2011         959<	Himachal	2014	2196	54388	296	8906019
Himachal         2017         2643         62812         296         10940627           Himachal         2018         2643         61899         296         11641398           Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955         31556159           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         288940         5000         47066916           Madhya pradesh         2017         8053         342654         5113         49710165           Madhya pradesh         2018         8053         363972         4829         54327196           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317	Himachal	2015	2466	55593	296	9627406
Himachal         2018         2643         61899         296         11641398           Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955         31556159           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2019         8772         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2013         1	Himachal	2016	2642	55759	296	10305499
Himachal         2019         2607         73230         312         12122701           Madhya pradesh         2011         5027         197293         4955         31556159           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2017         8053         342654         5113         49710165           Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2019         8772         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317<	Himachal	2017	2643	62812	296	10940627
Madhya pradesh         2011         5027         197293         4955         31556159           Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2017         8053         342654         5113         49710165           Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2018         8053         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317         20837         1         1411509           Manipur         2014         1452	Himachal	2018	2643	61899	296	11641398
Madhya pradesh         2012         5064         201261         4954         35168262           Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2017         8053         342654         5113         49710165           Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2019         8772         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317         20837         1         1411509           Manipur         2014         1452         21661         1         1524490           Manipur         2016         1746 <td< td=""><td>Himachal</td><td>2019</td><td>2607</td><td>73230</td><td>312</td><td>12122701</td></td<>	Himachal	2019	2607	73230	312	12122701
Madhya pradesh         2013         5116         228816         4955         36513394           Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2017         8053         342654         5113         49710165           Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2019         8772         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317         20837         1         1411509           Manipur         2014         1452         21661         1         1524490           Manipur         2015         1746         24247         1         1642368           Manipur         2016         1746         27612	Madhya pradesh	2011	5027	197293	4955	31556159
Madhya pradesh         2014         5116         279996         4976         38394448           Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2017         8053         342654         5113         49710165           Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2019         8772         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317         20837         1         1411509           Manipur         2014         1452         21661         1         1524490           Manipur         2015         1746         24247         1         1642368           Manipur         2016         1746         24776         1         1708192           Manipur         2018         1746         29180	Madhya pradesh	2012	5064	201261	4954	35168262
Madhya pradesh         2015         5184         288931         4979         41873574           Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2017         8053         342654         5113         49710165           Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2019         8772         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317         20837         1         1411509           Manipur         2014         1452         21661         1         1524490           Manipur         2015         1746         24247         1         1642368           Manipur         2016         1746         24776         1         1708192           Manipur         2018         1746         29180         13         1826222           Manipur         2019         1750         32389         13	Madhya pradesh	2013	5116	228816	4955	36513394
Madhya pradesh         2016         5194         289940         5000         47066916           Madhya pradesh         2017         8053         342654         5113         49710165           Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2019         8772         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317         20837         1         1411509           Manipur         2014         1452         21661         1         1524490           Manipur         2014         1452         21661         1         1642368           Manipur         2015         1746         24247         1         1642368           Manipur         2016         1746         24776         1         1708192           Manipur         2018         1746         29180         13         1826222           Manipur         2019         1750         32389         13         191	Madhya pradesh	2014	5116	279996	4976	38394448
Madhya pradesh         2017         8053         342654         5113         49710165           Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2019         8772         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317         20837         1         1411509           Manipur         2014         1452         21661         1         1524490           Manipur         2015         1746         24247         1         1642368           Manipur         2016         1746         24776         1         1708192           Manipur         2017         1746         27612         13         1875074           Manipur         2018         1746         29180         13         1918718           Jammu&kashmir         2011         1245         26980         256         7825555           Jammu&kashmir         2012         1245         36353         256 <td< td=""><td>Madhya pradesh</td><td>2015</td><td>5184</td><td>288931</td><td>4979</td><td>41873574</td></td<>	Madhya pradesh	2015	5184	288931	4979	41873574
Madhya pradesh         2018         8053         363972         4829         54327196           Madhya pradesh         2019         8772         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317         20837         1         1411509           Manipur         2014         1452         21661         1         1524490           Manipur         2015         1746         24247         1         1642368           Manipur         2016         1746         24776         1         1708192           Manipur         2017         1746         27612         13         1875074           Manipur         2018         1746         29180         13         1826222           Manipur         2019         1750         32389         13         1918718           Jammu&kashmir         2011         1245         26980         256         7825555           Jammu&kashmir         2013         1695         44597         256         8510179 <td>Madhya pradesh</td> <td>2016</td> <td>5194</td> <td>289940</td> <td>5000</td> <td>47066916</td>	Madhya pradesh	2016	5194	289940	5000	47066916
Madhya pradesh         2019         8772         365045         4899         56752504           Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317         20837         1         1411509           Manipur         2014         1452         21661         1         1524490           Manipur         2015         1746         24247         1         1642368           Manipur         2016         1746         24776         1         1708192           Manipur         2017         1746         27612         13         1875074           Manipur         2018         1746         29180         13         1826222           Manipur         2019         1750         32389         13         1918718           Jammu&kashmir         2011         1245         26980         256         7825555           Jammu&kashmir         2012         1245         36353         256         8076657           Jammu&kashmir         2013         1695         44597         256         8510179	Madhya pradesh	2017	8053	342654	5113	49710165
Manipur         2011         959         19133         1         1291460           Manipur         2012         1317         19252         1         1299281           Manipur         2013         1317         20837         1         1411509           Manipur         2014         1452         21661         1         1524490           Manipur         2015         1746         24247         1         1642368           Manipur         2016         1746         24776         1         1708192           Manipur         2017         1746         27612         13         1875074           Manipur         2018         1746         29180         13         1826222           Manipur         2019         1750         32389         13         1918718           Jammu&kashmir         2011         1245         26980         256         7825555           Jammu&kashmir         2012         1245         36353         256         8076657           Jammu&kashmir         2013         1695         44597         256         8510179	Madhya pradesh	2018	8053	363972	4829	54327196
Manipur       2012       1317       19252       1       1299281         Manipur       2013       1317       20837       1       1411509         Manipur       2014       1452       21661       1       1524490         Manipur       2015       1746       24247       1       1642368         Manipur       2016       1746       24776       1       1708192         Manipur       2017       1746       27612       13       1875074         Manipur       2018       1746       29180       13       1826222         Manipur       2019       1750       32389       13       1918718         Jammu&kashmir       2011       1245       26980       256       7825555         Jammu&kashmir       2012       1245       36353       256       8076657         Jammu&kashmir       2013       1695       44597       256       8510179	Madhya pradesh	2019	8772	365045	4899	56752504
Manipur       2013       1317       20837       1       1411509         Manipur       2014       1452       21661       1       1524490         Manipur       2015       1746       24247       1       1642368         Manipur       2016       1746       24776       1       1708192         Manipur       2017       1746       27612       13       1875074         Manipur       2018       1746       29180       13       1826222         Manipur       2019       1750       32389       13       1918718         Jammu&kashmir       2011       1245       26980       256       7825555         Jammu&kashmir       2012       1245       36353       256       8076657         Jammu&kashmir       2013       1695       44597       256       8510179	Manipur	2011	959	19133	1	1291460
Manipur       2014       1452       21661       1       1524490         Manipur       2015       1746       24247       1       1642368         Manipur       2016       1746       24776       1       1708192         Manipur       2017       1746       27612       13       1875074         Manipur       2018       1746       29180       13       1826222         Manipur       2019       1750       32389       13       1918718         Jammu&kashmir       2011       1245       26980       256       7825555         Jammu&kashmir       2012       1245       36353       256       8076657         Jammu&kashmir       2013       1695       44597       256       8510179	Manipur	2012	1317	19252	1	1299281
Manipur       2015       1746       24247       1       1642368         Manipur       2016       1746       24776       1       1708192         Manipur       2017       1746       27612       13       1875074         Manipur       2018       1746       29180       13       1826222         Manipur       2019       1750       32389       13       1918718         Jammu&kashmir       2011       1245       26980       256       7825555         Jammu&kashmir       2012       1245       36353       256       8076657         Jammu&kashmir       2013       1695       44597       256       8510179	Manipur	2013	1317	20837	1	1411509
Manipur       2016       1746       24776       1       1708192         Manipur       2017       1746       27612       13       1875074         Manipur       2018       1746       29180       13       1826222         Manipur       2019       1750       32389       13       1918718         Jammu&kashmir       2011       1245       26980       256       7825555         Jammu&kashmir       2012       1245       36353       256       8076657         Jammu&kashmir       2013       1695       44597       256       8510179	Manipur	2014	1452	21661	1	1524490
Manipur         2017         1746         27612         13         1875074           Manipur         2018         1746         29180         13         1826222           Manipur         2019         1750         32389         13         1918718           Jammu&kashmir         2011         1245         26980         256         7825555           Jammu&kashmir         2012         1245         36353         256         8076657           Jammu&kashmir         2013         1695         44597         256         8510179	Manipur	2015	1746	24247	1	1642368
Manipur       2018       1746       29180       13       1826222         Manipur       2019       1750       32389       13       1918718         Jammu&kashmir       2011       1245       26980       256       7825555         Jammu&kashmir       2012       1245       36353       256       8076657         Jammu&kashmir       2013       1695       44597       256       8510179	Manipur	2016	1746	24776	1	1708192
Manipur       2019       1750       32389       13       1918718         Jammu&kashmir       2011       1245       26980       256       7825555         Jammu&kashmir       2012       1245       36353       256       8076657         Jammu&kashmir       2013       1695       44597       256       8510179	Manipur	2017	1746	27612	13	1875074
Jammu&kashmir         2011         1245         26980         256         7825555           Jammu&kashmir         2012         1245         36353         256         8076657           Jammu&kashmir         2013         1695         44597         256         8510179	Manipur	2018	1746	29180	13	1826222
Jammu&kashmir         2012         1245         36353         256         8076657           Jammu&kashmir         2013         1695         44597         256         8510179	Manipur	2019	1750	32389	13	1918718
Jammu&kashmir         2013         1695         44597         256         8510179	Jammu&kashmir	2011	1245	26980	256	7825555
	Jammu&kashmir	2012	1245	36353	256	8076657
Jammu&kashmir 2014 2319 39107 273 9237211	Jammu&kashmir	2013	1695	44597	256	8510179
Variation   2017	Jammu&kashmir	2014	2319	39107	273	8237211
Jammu&kashmir 2015 2593 39096 298 9700134	Jammu&kashmir	2015	2593	39096	298	9700134

Jammu&kashmir	2016	2601	49716	298	10020287
Jammu&kashmir	2017	2601	63386	298	10662414
Jammu&kashmir	2018	2601	108677	298	11506196
Jammu&kashmir	2019	2423	120034	298	11391908
Kerala	2011	1457	201220	1050	36404789
Kerala	2012	1457	215438	1050	38769346
Kerala	2013	1457	185030	1050	40278133
Kerala	2014	1700	193460	1050	41995555
Kerala	2015	1811	194854	1050	45121002
Kerala	2016	1812	200808	1045	48530154
Kerala	2017	1782	240562	1045	51618976
Kerala	2018	1782	257085	1045	55422831
Kerala	2019	1782	259932	1045	55919418

Source: Reserve Bank of India, Handbook of Statistics on Indian States, 2023-24

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