## **ESTIMATION OF RELATIVE TAXABLE CAPACITY - A METHODOLOGICAL NOTE**

- **B4.1** A major purpose of general revenue sharing in a federation is to enable every State to provide 'reasonable' standards of public services. This requires that those States with lower taxable capacities and those with additional cost disabilities should be assisted to overcome these shortcomings. The First Finance Commission, while laying down the principles governing grants-in-aid, stated that the criterion of budgetary needs should be supplemented with, inter alia, tax effort, to ensure self-help by each of the States in financing its expenditure.
- B4.2 Measurement of relative taxable capacity and effort has thus acquired a pivotal significance, but presents a difficult task. The Fifth Finance Commission was the first to take account of the tax effort of the States. However, it measured "effort" merely as the ratio of tax revenue to State Domestic Product (SDP) of the States. The Seventh Finance Commission, which computed a 'revenue equalisation formula', measured it by regressing tax revenue on SDP in a linear model. Similarly, the Planning Commission, which assigns a 10 per cent weight for tax effort in the modified Gadgil formula for distributing Plan assistance to the States, takes the tax-SDP ratio as a measure of tax effort.
- B4.3 Weaknesses of the tax-SDP ratio as a measure of tax effort are well-known. To recapitulate, first, this measure assumes that the taxable capacity of a State depends on only one factor, SDP. The tax bases of the States are diverse and although all taxes are ultimately paid out of incomes or wealth, SDP cannot be construed as the sole determinant. The economic structure of the States determined by such factors as degree of urbanisation, industrialisation and monetisation affects their taxable capacity. These factors can also affect administrative efficiency and, thus, tax compliance. Further, commodity taxes predominate in the States and in a tax regime marked by exemptions and high differentiation in tax rates, the distribution of consumption (income) may also determine the States' relative taxable capacity.
- B4.4 Second, the assumption of proportionality between incomes and tax revenues is unlikely to hold in the Indian context because of the system of exemptions and rate differentiation introduced to impart progressivity in the States' commodity tax structure. As the proportion of tax-exempt and lenently taxed items is likely to be larger in the total consumption (income) of poorer States, the tax-SDP ratio as a measure of tax effort could impart a bias against them. Thus, this measure of tax effort does not adequately take into account the differences in per capita income among the States. Therefore, attempts have been made to develop more satisfactory approaches to measure relative taxable capacity.

# Estimating Taxable Capacity – Alternative Approaches

- **B4.5** Broadly, there are two approaches to measuring relative tax capacity and effort <sup>1</sup>: (i) the Aggregate Regression (AR) approach and (ii) the Representative Tax System (RTS) approach.
- **B4.6** In the AR approach, tax revenue, either per capita or as a ratio of SDP, is regressed on capacity indicators such as per capita income/consumption, the structure of the economy, the level of urbanisation and monetisation and the inter-personal

- distribution of incomes, in a linear or a loglinear model. The regression coefficients indicate the `average' effective rates of tax. By substituting the actual values of the independent variables in the estimated equation, taxable capacity is estimated<sup>2</sup>.
- **B4.7** In the RTS approach, first, the bases for each tax levied by the States are quantified and then, by applying the all-States average effective tax rates (the total yield from the tax divided by the total value of the tax base) on the tax bases of individual States, an estimate of their taxable capacity is derived. By adding up the taxable capacity of individual taxes, the aggregate taxable capacity of a State is estimated<sup>3</sup>.
- B4.8 There are merits and flaws in both the approaches. The AR approach does not call for highly disaggregated data and also takes account of the inter-dependence of the tax bases. Sometimes, the effective rate itself can vary with the size of the tax base (the effective tax rate may be higher in a more developed State than in a less developed State), which is captured in the regression approach. However, in the regression approach the estimates are not derived by relating tax revenue to the actual or proxy tax bases, but only to macro capacity indicators. Although tax-wise analysis is possible under this method, aggregating the results from such a micro analysis takes away the advantage of taking into account the inter-dependence of the tax bases. The major weakness of the method, however, is that the residual error is taken to represent tax effort. The omission of variables representing effort in the equation may impart a bias in the regression estimates.
- B4.9 On the other hand, the RTS approach has the merit of relating tax revenue to the individual tax bases or their proxies and, therefore, the logic of the method is more transparent. However, this method faces certain other problems, primarily the non-availability of data on tax bases at the required level of disaggregation. This becomes crucial given the complex tax systems in the States. In the case of Sales Tax alone, there are differences in the points of levy (first-point, last-point), the number of taxable points (single-point, double-point and multi-point) and the nominal rates of tax. In fact, the number of nominal tax rates levied ranges from six in the case of Orissa to as many as nineteen in the cases of Bihar and Guiarat. In such a situation, obtaining data on the tax bases as also the tax yield from each of the tax rate categories becomes virtually impossible. Consequently, the tax bases are aggregated into some manageable groups and tax base proxies are employed wherever the actual tax base data are not available. Because of this type of aggregation, the use of simple average effective tax rates may impart a bias against the poorer States. For example, if all the food articles are taken as one category of Sales Tax base then, given that the nominal rates on foodgrains are lower than the rates on more expensive food articles (such as packed food and dry fruits), and further that the proportion of consumption of the former in a poorer State would be higher, using a uniform average tax rate for all the food articles might work against these States.
- B4.10 Considering the problems associated with the two approaches, in our first report, we adopted the Aggregate Regression approach for the major States, with one modification. This involved the pooling of cross-section observations over the period from 1980-81 to 1984-85 in a covariance model. The object was to improve the efficiency of the estimates by endogenising tax effort rather than taking it as a part of the random error term. In order to impart homogeneity in the assessment and to reduce

inequity, the States were grouped into high income, middle income and low income categories. Per capita tax revenues were regressed on per capita SDP, proportion of non-primary sectoral SDP and the Lorenz ratio of consumption expenditure distribution. By substituting the actual values of the independent variables and the average value of the State dummies (standardised to add to unity) in the equations we obtained the estimates of taxable capacity in the base year (1984-85).

B4.11 For the period 1990-95, however, we stated in our first report that: "Taxable capacity will be estimated on the basis of an appropriate method such as the representative tax system approach or the regression approach". We decided in favour of the Representative Tax System approach because it gives us tax by tax estimates and as these estimates are derived by the use of relevant tax bases (actual and proxy), they are more easily understood and, therefore, find easier acceptance.

**B4.12** We entrusted the National Institue of Public Finance and Policy with the task of collecting the requisite data from the States for applying the RTS approach and deriving estimates of taxable capacity. The NIPFP was also requested to carry out preliminary exercises in order to enable us to identify the more suitable methodology given data availability and other considerations. In their exploratory exercise, the NIPFP found that they could not apply the simple RTS methodology mainly due to data limitations. Their exercise showed us that we had to marry the RTS approach with the regression methodology. Using the NIPFP study as the base, we estimated tax-wise capacities by employing cross-section regression average tax rates. These estimates were presented at a meeting of experts convened by us. They expressed the view that, considering the complexities in the States' tax systems and the non-availability of reliable disaggregated data on tax bases or their proxies, the RTS method of determining taxable capacity might not be appropriate. Nor did they approve of the computation of taxable capacity on the basis of cross-section regressions for the major taxes. They suggested that the covariance method used in the first report could be used with certain improvements. While a few of the experts indicated their preference for the aggregate model that was used for the first report, but based on a longer time series with both slope and intercept dummies specified, others were of the view that a tax by tax analysis would have more information content and would be useful in identifying the problem areas for raising tax revenues in different States. They further suggested that norms should be evolved separately for the States grouped on the basis of their level of development as the variables representing per capita SDP in the equation may not adequately capture the heterogeneity among the States.

B4.13 We have sought to improve upon the model used for estimating taxable capacity in the first report by incorporating some additional variables such as road and railway length per thousand population and variance of lognormal distribution in consumer expenditures instead of the Lorenz ratio. However, there were no significant differences in the results of taxable capacity derived by this model from the results obtained in the first report. A possible improvement could have been a longer time series and introduction of slope dummies in addition to the intercept dummies for the States. However, the data on the New Series (1981) of SDP are available only for the period 1980-81 to 1984-85 and putting slope dummies in addition to intercept dummies for the States would have seriously restricted the degrees of freedom and affected the efficiency of the estimates. Also, although we are interested in only the aggregate taxable capacity estimates, the tax by tax analysis would enable us to incorporate a larger number of determinants in the analysis and choose appropriate functions for each of the taxes.

### Methodology

**B4.14** On a balance of considerations, we preferred to reestimate relative taxable capacities of the States from each of the major taxes and summed them up to arrive at an estimate of aggregate taxable capacity. For the purpose, we have taken

separately six major taxes, namely, (i) Sales Tax (including Central Sales Tax and Purchase Tax on Sugarcane), (ii) State Excise Duties, (iii) Stamp Duty and Registration Fees, (iv) Motor Vehicles Tax and Passengers and Goods Tax, (v) Entertainment Tax, (vi) taxes on agricultural land and incomes, and a residual category, other taxes. As the revenues from the taxes on agricultural land and incomes and other taxes were not amenable to proper statistical analysis, we preferred to make projections on the basis of the actuals. It is necessary to mention in this connection that the revenue from cess on mines and minerals has been excluded from agricultural taxes wherever it is shown under the head and included alongwith royalty on mines for the sake of uniformity. As the revenue from agricultural taxes is projected on the basis of actuals, transferring the cess to the non-tax revenue side does not affect the estimates of revenue capacity in the States.

B4.15 Taxable capacity of the States for the remaining five major taxes has been estimated by employing the model using pooled time-series and cross-section observations. Although the model is similar to the one employed in the first report, two important differences may be noted. First, as already mentioned, unlike the aggregate model used in the first report, the estimates have been made separately for the five major taxes. As the behaviour of different taxes could differ, this disaggregated analysis allows us to choose the best fitting functional form of the equations for each tax. Further, in a disaggregated analysis we can relate individual taxes to relevant bases or proxies. Thus, essentially, the method is a modified Representative Tax System approach wherein instead of the arithmetic mean effective tax rate, the regression average rate is taken as the norm. Secondly, while the first report used the quasi-restricted "fixed effects" model with a common slope but varying intercepts across the States, the present model is a completely restricted one-with both intercepts and slope parameters assumed to be common across the States. However, we have allowed the model to capture the inter-temporal shifts through intercept time dummies. In other words, in the model, we estimate the behaviourial relationships between each of the major taxes and the relevant tax base proxies, separating out the 'shifts' over time through time dummies, but without separating the State-specific effects. Therefore, unlike in the earlier model where the average value of State dummies had to be substituted alongwith the actual values of capacity variables and time dummies to estimate taxable capacity, in the present model, as the State dummies have not been estimated, substitution is done only for the capacity variables and time dummies. In order to reduce heterogeneity in the sample and to evolve equitable norms the States have been grouped into high income, middle income and low income categories for the three major taxes, namely, the Sales Tax, Stamp Duty and Registration Fees and Motor Vehicles and Passengers and Goods Taxes. In the case of State Excise Duties, data on the tax base proxies were available only for three years and, therefore, to permit adequate degrees of freedom, the States have been classified into only two categories. In the case of Entertainment Tax, no grouping of the States has been resorted to. The results of the regressions of the major taxes are analysed in what follows.

#### **Analysis Of The Results**

### (i) Sales Tax:

B4.16 The closest tax base proxy for the Sales Tax is the State Domestic Product and its sectoral composition. Other variables such as proportion of urban population, electricity consumption, road and railway length per thousand persons or thousand sq. km. area and inter-State price differences could also be important in determining the Sales Tax revenues in different States. However, the New Series [1981] data on SDP are available only for the period 1980-81 to 1984-85 and, therefore, we have confined our analysis to this period.

**B4.17** For the reasons mentioned earlier, we have grouped the States into three categories. The results of regression

analysis are presented in Table B.4.1. In the case of high income States, it may be seen that total SDP and proportion of non-primary sectoral SDP together explain about 98 per cent of variations in the Sales Tax revenues among the States, with the latter variable being significant at one per cent level in a log-linear equation. In the case of middle income States, per capita Sales Tax revenue is found to be significantly related to the road and railway length per thousand sq. km. area and per capita electricity consumption in a log-linear model. Both the variables are found to be significant at one per cent level and the R-Bar-Squared of the equation is 0.96. In the case of low income States, variation in total Sales Tax revenue is explained by SDP, road and railway length per thousand sq. km. area and per capita electricity consumption. All the three variables are significant at one per cent level and explain about 90 per cent of variations in the tax revenue.

## (ii) Stamp Duties And Registration Fees:

**B4.18** Although the value of property transactions, particularly immovable property transactions, should be taken as the tax base, reliable information on the variable is not available. We have, therefore, been constrained to use proxies such as SDP, its sectoral composition, and road and railway length per thousand sq. km. area. The larger the SDP, the higher should be the volume and value of property transactions. In the States where the proportion of non-primary sectoral SDP is higher, the volume and value of immovable property transactions is expected to be higher. Road and railway length per thousand sq. km. area, which denotes connectivity, also can be taken to determine both the volume of property transactions and the price of property transacted.

**B4.19** As in the case of Sales Tax, since the SDP is an important variable, the analysis is confined to the period from 1980-81 to 1984-85. Here too, we have analysed the behaviour of the tax separately in high income, middle income and low income States.

B4.20 It may be seen from Table B.4.1 that in the cases of both high income and middle income States, SDP and road and railway length per thousand sq. km. area are found to be significant. For the high income States about 90 per cent of variations in tax revenues is explained by the two variables whereas for the middle income States, the R-Bar-Squared is 0.65. In the case of low income States, SDP is found to be the significant factor but we have also retained the proportion of non-primary sectoral SDP and road and railway length per thousand population in the equation. The R-Bar-Squared of the equation is 0.97.

# (iii) Tax On Motor Vehicles And Goods And Passengers:

**B4.21** The revenue from the tax essentially depends upon the number and the types of motor vehicles registered in different States. Information on motor vehicles by types of vehicles registered in the States is available only upto 1985-86. We have, therefore, confined our analysis to the period from 1980-81 to 1985-86.

B4.22 Taking types of motor vehicles rather than their total number as explanatory variables in the equations does not lead to any specific advantage in revenue forecasting and may even result in multicollinearity. After various trials, the total number of vehicles and the proportion of heavy vehicles to total vehicles were found to explain the variations in tax revenue significantly at one per cent level and the equations for the two categories have very high explanatory power. In the case of low income States, however, only the total number of vehicles was found to be significant, perhaps, because the composition of types of vehicles in different States within the group is not very different. In the case of these States, the equation has an R-Bar Squared of over 0.86.

### (iv) State Excise Duties:

B4.23 Consumption of different types of liquor has been taken as the base of State Excise Duties. The NIPFP study has

collected information on consumption of country spirit, Indian made foreign liquor (IMFL) and beer in the major States for the years 1982-83 to 1984-85. We have, therefore, confined our analysis to these three years.

B4.24 Inthis connection, it is necessary to mention that of the 14 major States, Gujarat has been following prohibition policy and revenue accrues under this head only on account of duty on medicinal and toilet preparations. Therefore, we have confined our statistical analysis to 13 States. Considering this and given that the data are available only for three years, we have classified the States into only two categories, that is, States having above and below average per capita SDP. Andhra Pradesh, Haryana, Karnataka, Kerala, Maharashtra, Punjab and West Bengal fall into the first category. The second category consists of six States-Bihar, Madhya Pradesh, Orissa, Rajasthan, Tamil Nadu and Uttar Pradesh.

B4.25 The regression results presented in Table B.4.1 show that tax revenue variations among more developed States are explained by the consumption of country spirit and road and railway length per thousand population. Both the variables are significant at one per cent level and the R-Bar-Squared of the equation is 0.78. In the case of less developed States, however, the two significant variables are consumption of country spirit and SDP of the State, with the equation having an R-Bar-Squared of 0.89.

#### (v) Entertainment Tax:

B4.26 Entertainment Tax mainly accrues from Cinema although there are some receipts from betting, horse racing and such other recreational activities. Among the 14 major States, Kerala has transferred the taxing power under this head to the local bodies and, therefore, significant revenues are collected only in the other 13 States. The NIPFP study has collected information on seating capacity in cinema halls in various States for the three years, 1982-83 to 1984-85. This being the tax base proxy, we have confined our analysis to these three years.

**B4.27** In the case of Entertainment Tax, after considerable experiment, we have preferred to make the analysis for all the 13 States without resorting to any grouping to avoid spurious results. Our analysis shows that the tax revenue is significantly related to seating capacity, SDP and the proportion of urban population to total population in the States. While the seating capacity is the overall capacity indicator, the other two variables proxy both the occupancy ratio and the proportion of higher denomination seats occupied. The equation is significant at one per cent level with an R-Bar Squared of 0.91.

# **Estimate Of Taxable Capacity And Projections**

B4.28 As mentioned earlier, taxable capacity is estimated by substituting the values of the independent variables for the last year of observation and the coefficient of time dummy variable for the same year<sup>4</sup>. For all the taxes except Motor Vehicles and Passengers and Goods Taxes, the estimates have been made for 1984-85 and for the latter, for 1985-86.

B4.29 The taxable capacity estimates made for the initial year is projected to the base year 1989-90. Agricultural taxes and other taxes for which no normative estimates are made are projected to 1989-90 on the basis of the trend rates of growth. As for the other items of tax revenue, we generated two alternative projections by applying two sets of growth rates, the first, on the basis of buoyancies of various taxes in high, middle and low income groups of States multiplied by the trend rate of growth of SDP in each State, and the second, by applying the trend rates of growth in tax revenue observed in the respective States. Generally, as in the States where the performance in the initial year was below average, the trend rates of growth too were lower. Therefore, the application of normative growth computed with the first method would have required these States to raise revenues even by a higher percentage than was indicated in the estimates of the initial year. To be more realistic, therefore, we applied the

second method. According to this, the performance of the States in 1989-90 shows an improvement over the initial year if the rate of growth of tax revenue during the period is faster than its own trend rate of growth of the tax.

B4.30 It may be recalled that, for ensuring comparability, the cess on mines and minerals levied in the States under the Major Head 'Land Revenue' has been treated as non-tax revenue. However, it is possible to argue that for the purpose of assessing the tax performance, the cess should be considered as tax revenue. In the case of agricultural taxes, as we have not made any normative estimates, but merely projected the revenue on the basis of actuals, from the point of view of estimates of taxable capacity, transferring cess on mines and minerals to the non-tax revenue side does not matter. However, in assessing tax performance, it may be preferable to transfer the cess to the tax revenue side. As the cess on mines and minerals has been projected for the period of our recommendation on the basis of budget estimates of 1989-90 (B.E), we have added the yield to tax revenue both in the potential and actual figures for the year 1989-90. The resulting relative performance of different States is shown in Table B.4.2.

B4.31 It may be noted that the taxable capacity estimates for Gujarat do not include any revenue from State Excise Duties other than on medicinal and toilet preparations, due to the State's prohibition policy. At the same time, the estimates for Tamil Nadu include revenue from country liquor because prohibition was introduced there only in 1987-88. The Commission, after considering the issues involved, decided to take into account 30

#### Notes:

- For a review of the two approaches, see Bahl [1971, 1972] and Akin [1973].
- For studies using regression approach in the Indian context, see Nambiar and Rao [1972], Reddy [1975], Prasad [1988] and Oommen [1987].
- The two important studies measuring taxable capacity using the Representative Tax System approach are: Thimmaiah [1979] and Chelliah and Sinha [1982].
- We have adjusted the constant term so that the total estimated revenue equals the total observed revenue in respect of each of the taxes as is suggested in Intriligator [1980].

#### References:

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per cent of revenue that would have accrued to these States had there been no prohibition in them. Accordingly, in the base year (1989-90) estimates of taxable capacity from State Excise Duties, we have added Rs.72 crore in the case of Gujarat (as the estimates do not include revenue from State Excise Duties), and deducted Rs.272 crore in the case of Tamil Nadu (as the estimates already include revenue from State Excise Duties).

- B4.32 From the taxable capacity estimates for the base year 1989-90, we made projections for the period of our recommendation, 1990-91 to 1994-95. This has been done by assuming a real SDP growth of 6 per cent per annum and an increase in the price level of 5 per cent per annum. Keeping these in the background, we have assumed the tax revenues to grow normatively at 11.5 per cent per annum. Individual taxes are projected on the basis of their past behaviour and adjusted pro rata to conform to the aggregate.
- B4.33 It has been pointed out that the observed undertaxation in the States where it prevails is the result of the operation of the tax systems for a number of years and cannot be remedied overnight. In order to provide adequate time for adjustment, we have reckoned normative tax revenues in a phased manner starting from the trend levels in 1989-90 and reaching the normative levels in 1994-95. Under this plan, no State is suddenly put to any undue hardship and can adopt appropriate policies to reach normative levels of tax revenue by the terminal year of our recommendation. The projected normative levels of tax revenues are presented in Table B.4.3.
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| Regression R | esults |
|--------------|--------|
|--------------|--------|

| _ |  |                         |                           |  |                   | Regress          |
|---|--|-------------------------|---------------------------|--|-------------------|------------------|
|   | Dependent Variable   | <b>)</b>                | Total T                   | ax Revenue                                 | from from         | Sales            |
|   | Income Category<br>Number Of Observa                             | ations                  | High In<br>20             | Tax<br>come States<br>Degrees C            | ;<br>Of Freedom   | 13               |
| _ | Regressor  |                         |                           | Coefficient                                |                   |                  |
| 1 | State Domestic Pro<br>Factor Cost                                |                         |                           | 0.3769                                     | 0.2169            | 1.7378           |
| 2 | Proportion of incom<br>from non-primary se<br>income originating | e origina<br>actor to t | ating<br>totai            | 0 077E                                     | 2 2200            |                  |
|   | Time period (1980-   | 041                     |                           | 2.8775                                     | 0.7326            | 3.9279           |
|   | Time period (1981-   | •                       |                           | 6.7832                                     | 3.3084            | 2.0503           |
|   | Time period (1981-   |                         |                           | 6.9494                                     | 3.3456            | 2.0772           |
|   |  | ,                       |                           | 6.9281                                     | 3.3367            | 2.0763           |
|   | Time period (1983-)  | ,                       |                           | 6.9650                                     | 3.3601            | 2.0729           |
|   | Time period (1984-   | 35)<br>                 | <u> </u>                  | 6.9340                                     | 3.3666            | 2.0596           |
|   | R - Squared  | 0.9852                  |                           | dual Sum of                                | -                 | 0.1755           |
|   | R - Bar - Squared  | 0.9784                  | \$.E.                     | of Regressio                               | n                 | 0.1162           |
|   | Dependent Variable<br>Income Category<br>Number Of Observa       |                         | Per Car<br>Middle I<br>25 | pita Tax Reve<br>Income State<br>Degrees O | es                | Sales Tax<br>18  |
|   | Regressor  |                         |                           | Coefficient                                | Standard<br>Error | T-Ratio          |
| 1 | Road/railway length square kilometre are                         | ea                      | Ю                         | 0.4472                                     | 0.0327            | 13.6831          |
| 2 | Per capita energy sa<br>ultimate consumers                       |                         |                           | 0.4304                                     | 0.0572            | 7.5212           |
|   | Time period (1980-8  |                         |                           | -0.5235                                    | 0.2992            | -1.7496          |
|   | Time period (1981-8  | •                       |                           | -0.3564                                    | 0.3030            | -1.1761          |
|   | Time period (1982-8  | •                       |                           | -0.2836                                    | 0.3038            | -0.9335          |
|   | Time period (1983-8  | 14)                     |                           | -0.1669                                    | 0.3030            | -0.5508          |
|   | Time period (1984-8  | 5)                      |                           | -0.0772                                    | 0.3105            | -0.2485          |
|   | R - Squared<br>R - Bar - Squared                                 | 0.9698<br>0.9597        | Resid                     | dual Sum of S<br>of Regression             | 3quares<br>n      | 0.0634<br>0.0594 |
|   | Dependent Variable<br>Income Category<br>Number Of Observat      |                         | Total T<br>Low Inco<br>25 | ax Revenue<br>ome States<br>Degrees Of     |                   |                  |
| _ | Regressor  |                         |                           | Coefficient                                | Standard          | 18<br>T-Ratio    |
| 1 | State Domestic Proc<br>Factor Cost                               | luct at                 |                           | 0.7414                                     | 0.0684            | 10.8323          |
| 2 | Proportion of income from non-primary secure originating         | origina<br>ctor to to   | ting<br>otal              | 2.6072                                     |                   | _                |
|   | Time period (1980-8  | 11                      |                           |  | 0.5096            | 5.1163           |
|   | Time period (1981-8  | •                       |                           | 1.9193                                     | 1.2380            | 1.5503           |
|   | Time period (1981-8  | ,                       |                           | 1.9356                                     | 1.2270            | 1.5774           |
|   | Time period (1983-8  | -                       |                           | 1.8962                                     | 1.2214            | 1.5525           |
|   |  |                         |                           | 1.9421                                     | 1.2429            | 1.5626           |
|   | Time period (1984-8  | 5)                      |                           | 1.8708                                     | 1.2256            | 1.5265           |
|   |  |                         |                           |  |                   |                  |
|   | R - Squared  | 0.9678                  | Resid                     | lual Sum of S                              | quares            | 0.2383           |

Note: Income categories:

a) High Income States: Gujarat, Haryana, Maharashtra, Punjab.
b) Middle Income States: Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, West Bengal.

Low Income States : Bihar, Madhya Pradesh, Orissa, Rajasthan, Uttar Pradesh.

| R | esults   |   | TABLE             | B.4.1            |
|---|--|---|-------------------|------------------|
|   | Dependent Variable   | Total Tax Revenue f                                   | rom Stam          | os and           |
|   | Income Category<br>Number Of Observations                                      | Regist<br>High Income States<br>20 Degrees O          |                   | 13               |
| _ | Regressor  | Coefficient   | Standard<br>Error | T-Ratio          |
| 1 | State Domestic Product at<br>Factor Cost                                       | 0.5633  | 0.0542            | 10.4006          |
| 2 | Road/railway length per 100 square kilometre area                              | 0.3408  | 0.0756            | 4.5050           |
|   | Time period (1980-81)  | -1.5170   | 1.0605            | -1.4305          |
|   | Time period (1981-82)  | -1.3938   | 1.0733            | -1.2986          |
|   | Time period (1982-83)  | -1.4140   | 1.0806            | -1.3085          |
|   | Time period (1983-84)  | -1.4668   | 1.0907            | -1.3448          |
|   | Time period (1984-85)  | -1.4720   | 1.0980            | -1.3406          |
| _ |  |   |                   | -1.5400          |
|   | R-Squared 0.9156   | Residual Sum of S                                     | •                 | 0.1728           |
| _ | R - Bar - Squared 0.8767   | S.E. of Regression                                    | 1                 | 0.1153           |
|   |  | Total Tax Revenue fi<br>Registr                       | ation             | s and            |
| _ | Income Category<br>Number Of Observations                                      | Middle Income State<br>25 Degrees Of                  |                   | 18               |
|   | Regressor  | Coefficient   | Standard<br>Error | T-Ratio          |
| 1 | State Domestic Product at Factor Cost  | 0.7701  | 0.1496            | 5.1487           |
| 2 | Road/railway length per 100 square kilometre area                              | 0<br>0.4676   | 0.1129            | 4.1429           |
|   | Time period (1980-81)  | -5.0338   | 2.4890            | -2.0225          |
|   | Time period (1981-82)  | -5.0122   | 2.5099            | -1.9970          |
|   | Time period (1982-83)  | -4.9883   | 2.5270            | -1.9740          |
|   | Time period (1983-84)  | -5.0250   | 2.5535            | -1.9679          |
|   | Time period (1984-85)  | -4. <del>96</del> 91                                  | 2.5722            | -1.9319          |
|   | R - Squared 0.7575<br>R - Bar - Squared 0.6766                                 | Residual Sum of S<br>S.E. of Regression               |                   | 0.4750<br>0.1625 |
| _ | Dependent Variable   | Total Tay Days are 6                                  |                   |                  |
|   | Income Category  | Total Tax Revenue fr<br>Registra<br>Low Income States |                   | s and            |
|   | Number Of Observations   | 25 Degrees Of   | Freedom           | 17               |
|   | Regressor  |   | Standard<br>Error | T-Ratio          |
| 1 | State Domestic Product at Factor Cost  | 1.4339  | 0.0871            | 16.4542          |
| 2 | Proportion of income originat from non-primary sector to to income originating | ing<br>tal<br>0.7756                                  | 0.6511            | 1.1913           |
| 3 | Road/railway length per 1000 population  | 0.0702  | 0.0823            | 0.8529           |
|   | Time period (1980-81)  | -10.9559  |                   | -6.8928          |
|   | Time period (1981-82)  | -10.9979  |                   | -6.9828          |
|   | Time period (1982-83)  | -10.9343  |                   | -6.9741          |
|   | Time period (1983-84)  | -11.0640  |                   | -6.9323          |
|   | Time period (1984-85)  | -11.1049  | 1.5728            | -7.0605          |

R - Bar - Squared Note: Income categories:

R-Squared

a) High Income States : Gujarat, Haryana, Maharashtra, Punjab.

0.9805

0.9725

b) Middle Income States : Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, West Bengal.

Residual Sum of Squares S.E. of Regression

0.2914

0.1309

Low Income States: Bihar, Madhya Pradesh, Orissa, Rajasthan, Uttar Pradesh,-

|    | Dependent Variable Income Category             | High  | enue from Moto<br>Passenger Go<br>Income States | ods Taxes         |         |
|----|--|-------|---|-------------------|---------|
|    | Number Of Observations                         |       | 24 Degrees C                                    | Freedom           | 16      |
|    | Regressor                                      |       | Coefficient                                     | Standard<br>Error | T-Ratio |
| 1  | Total registered motor ve                      |       | 0.3877  | 0.0517            | 7.4921  |
| 2, | Proportion of heavy vehicles                   | cles  | 0.9000  | 0.1495            | 6.0220  |
|    | Time period (1980-81)                          |       | 5.6257  | 0.7305            | 7.7016  |
|    | Time period (1981-82)                          |       | 5.5621  | 0.7315            | 7.6032  |
|    | Time period (1982-83)                          |       | 5.9292  | 0.7397            | 8.0157  |
|    | Time period (1983-84)                          |       | 5.9925  | 0.7524            | 7.9643  |
|    | Time period (1984-85)                          |       | 5.9945  | 0.7623            | 7.8634  |
|    | Time period (1985-86)                          |       | 6.0493  | 0.7711            | 7.8450  |
|    | R - Squared 0.89                               | 68 R  | esidual Sum of                                  | Souares           | 0.5007  |
|    | R - Bar - Squared 0.85                         |       | E. of Regressio                                 | -                 | 0.1769  |
| _  | •  |       |   |                   | 0.1700  |
| _  | Dependent Variable                             | Reve  | nue from Moto                                   |                   | and     |
|    | Income Category<br>Number Of Observations      |       | Passenger Go<br>lie Income State<br>0 Degrees O | 8                 | 22      |
|    | Regressor                                      |       | Coefficient                                     | Standard<br>Error | T-Ratio |
| 1  | Total registered motor ve                      | hides | 1.5207  | 0.1705            | 8.9216  |
| 2  | Proportion of heavy vehic<br>to total vehicles | cles  | 0.5556  | 0.1830            | 3.0359  |
|    | Time period (1980-81)                          |       | -9.6157   | 1.9735            | -4.8723 |
|    | Time period (1981-82)                          |       | -9.7024   | 1.9920            | -4.8706 |
|    | Time period (1982-83)                          |       | -9.7840   | 2.0110            | -4.8653 |
|    | Time period (1983-84)                          |       | -9.7768   | 2.0262            | -4.8252 |
|    | Time period (1984-85)                          |       | -9.8064   | 2.0473            | -4.7898 |
|    | Time period (1985-86)                          |       | -9.8303   | 2.0671            | -4.7555 |
|    | R - Squared 0.84                               | 58 Re | sidual Sum of S                                 | Squares           | 1.0313  |
|    | R - Bar - Squared 0.79                         |       | E. of Regression                                |                   | 0.2165  |
| _  |  |       |   |                   | ···-    |
|    | Dependent Variable                             |       | nue from Motor<br>Passenger Goo                 |                   | and     |
|    | Income Category<br>Number Of Observations      | Low   | Income States<br>0 Degrees O                    |                   | 23      |
|    | Regressor                                      |       | Coefficient                                     | Standard<br>Error | T-Ratio |
| ı  | Total registered motor ve                      | hides | 0.9202  | 0.0725            | 12.7014 |
|    | Time period (1980-81)                          |       | -3.1471   | 0.8918            | -3.5288 |
|    | Time period (1981-82)                          |       | -3.1286   | 0.9004            | -3.4748 |
|    | Time period (1982-83)                          |       | -3.0506   | 0.9091            | -3.3557 |
|    | Time period (1983-84)                          |       | -3.0728   | 0.9194            | -3.3424 |
|    | Time period (1984-85)                          |       | -3.0075   | 0.9262            | -3.2471 |
|    | Time period (1985-86)                          |       | -3.0592   | 0.9425            | -3.2459 |
|    | R-Squared 0.89                                 | 17 Re | sidual Sum of S                                 | èquares           | 1.5534  |
|    |  |       |   |                   | •       |

Middle Income States : Andhra Pradesh, Kamataka, Kerala, Tamil

Low Income States : Bihar, Madhya Pradesh, Orissa, Rajasthan, Uttar

Nadu, West Bengal.

Pradesh.

|   | Dependent Variable<br>Income Category | -         | Total Revenue from State Excise Duties<br>High Income States |                   |         |         |  |  |  |
|---|---------------------------------------|-----------|--|-------------------|---------|---------|--|--|--|
|   | Number Of Observe                     | ations    | 21   | f Freedom         | 16      |         |  |  |  |
| _ | Regressor                             |           |  | Standard<br>Error | T-Ratio |         |  |  |  |
| 1 | Consumption of Co                     | untry Spi | rit (PL)   | 0.7172            | 0.1004  | 7.1403  |  |  |  |
| 2 | Road/railway length population        | per 1000  | ס  | 0.3819            | 0.1173  | 3.2554  |  |  |  |
|   | Time period (1982-                    | 83)       |  | -2.7314           | 1.6699  | -1.6357 |  |  |  |
|   | Time period (1983-                    | 84)       |  | -2.6895           | 1.6806  | -1.6003 |  |  |  |
|   | Time period (1984-                    | 85)       |  | -2.5265           | 1.6831  | -1.5011 |  |  |  |
|   | R - Squared                           | 0.8235    | Resid  | lual Sum of S     | Squares | 0.9363  |  |  |  |
|   | R - Bar - Squared                     | 0.7794    | S.E.   | of Regression     | n       | 0.2419  |  |  |  |

|   | Dependent Variable                  | е         | Total R   | evenue from                       | State Exci        | 92      |
|---|-------------------------------------|-----------|-----------|-----------------------------------|-------------------|---------|
|   | Income Category<br>Number Of Observ | ations    | Low Inc   | Duties<br>ome States<br>Degrees O | f Freedom         | 13      |
|   | Regressor                           |           |           | Coefficient                       | Standard<br>Error | T-Ratio |
| 1 | Consumption of Co                   | ountry Sp | irit (PL) | 0.8276                            | 0.1169            | 7.0777  |
| 2 | State Domestic Pro<br>Factor Cost   | oduct at  |           | 0.8712                            | 0.1759            | 4.9529  |
|   | Time period (1982-                  | 83)       |           | -16.7964                          | 2.2481            | -7.4713 |
|   | Time period (1983-                  | 84)       |           | -16.9020                          | 2.2749            | -7.4299 |
|   | Time period (1984-                  | 85)       |           | -16.8711                          | 2.2871            | -7.3765 |
| _ | R - Squared                         | 0.9170    | Resid     | tual Sum of S                     | Squares           | 1.1138  |
|   | R - Bar - Squared                   | 0.8914    | S.E.      | of Regression                     | n                 | 0.2927  |

## Note: Income categories:

- a) High Income States: Andhra Pradesh, Haryana, Karnataka, Kerala, Maharashtra, Punjab, West Bengal.
- b) Low Income States : Bihar, Madhya Pradesh, Orissa, Rajasthan, Tamil Nadu, Uttar Pradesh.

|   | Dependent Variable<br>Income Category<br>Number Of Observa |         |        | ax Revenue t<br>Taxe:<br>tates excludi<br>Degrees O | s<br>ng Kerala    | ainment<br>33 |
|---|--|---------|--------|---|-------------------|---------------|
|   | Regressor  |         |        | Coefficient   | Standard<br>Error | T-Ratio       |
| 1 | State Domestic Pro<br>Factor Cost                          | duct at |        | 0.9348  | 0.1497            | 6.2443        |
| 2 | Seating capacity in  | cinema  | halls  | 0.2837  | 0.0857            | 3.3115        |
| 3 | Proportion of urbar total population                       | populat | ion to | 0.8174  | 0.1550            | 5.2728        |
|   | Time period (1982-   | 83)     |        | -11.4031  | 1.4053            | -8.1141       |
|   | Time period (1983-   | 84)     |        | -11.5149  | 1.4265            | -8.0719       |
|   | Time period (1984-   | 85)     |        | -11.5453  | 1.4378            | -8.0298       |
| _ | R - Squared  | 0.9194  | Resid  | dual Sum of S                                       | Squares           | 2.3070        |
|   | R - Bar - Squared  | 0.9071  | S.E.   | of Regressio  | n                 | 0.2644        |

# Taxable Capacities Of The 14 Major States From Different Taxes For 1989-90

(Rs. Lakh)

| ST | ATE             | Sales<br>Tax | State<br>Excise<br>Duty | Motor<br>Vehicle<br>Tax | Stamps<br>And Regi-<br>stration | Enter-<br>tain-<br>ment<br>Tax | Agriculture<br>And Land<br>Revenue | Other<br>Taxes | Normative<br>Taxable<br>Capacity | Tax<br>Revenue<br>(Trend) | Per Cent<br>Tax<br>Effort | Tax<br>Revenue<br>(B.E.) | Per Cent<br>Tax<br>Effort |
|----|-----------------|--------------|-------------------------|-------------------------|---------------------------------|--------------------------------|------------------------------------|----------------|----------------------------------|---------------------------|---------------------------|--------------------------|---------------------------|
| 1  | Andhra Pradesh  | 126611       | 60887                   | 16643                   | 9343                            | 6158                           | 1744                               | 7113           | 228499                           | 246537                    | 107.89                    | 236193                   | 103.37                    |
| 2  | Bihar           | 65108        | 8406                    | 11120                   | 7079                            | 1570                           | 1988                               | 1572           | 96843                            | 87653                     | 90.51                     | 93474                    | 96.52                     |
| 3  | Gujarat         | 126835       | 8045                    | 19264                   | 8374                            | 5858                           | 2814                               | 14908          | 186097                           | 187653                    | 100.84                    | 164674                   | 88.49                     |
| 4  | Haryana         | 42430        | 25262                   | 13809                   | 6096                            | 894                            | 233                                | 434            | 89157                            | 85178                     | 95.54                     | 86967                    | 97.54                     |
| 5  | Kamataka        | 105658       | 38906                   | 21650                   | 10197                           | 5622                           | 2143                               | 3388           | 187564                           | 182640                    | 97.37                     | 181045                   | 96.52                     |
| 6  | Kerala          | 76958        | 15991                   | 10891                   | 9264                            | 1                              | 3865                               | 313            | 117283                           | 121929                    | 103.96                    | 112936                   | 96.29                     |
| 7  | Madhya Pradesh  | 70806        | 17606                   | 18241                   | 8572                            | 3562                           | 1553                               | 1481           | 121821                           | 119361                    | 97.98                     | 127520                   | 104.68                    |
| 8  | Maharashtra     | 261532       | 58961                   | 26131                   | 14250                           | 16997                          | 3600                               | 23333          | 404805                           | 405917                    | 100.27                    | 377484                   | 93.25                     |
| 9  | Orissa          | 30076        | 3943                    | 4054                    | 2469                            | 888                            | 943                                | 0              | 42373                            | 39952                     | 94.29                     | 43666                    | 103.05                    |
| 10 | Punjab          | 59173        | 36959                   | 11869                   | 9468                            | 2006                           | 351                                | 926            | 120752                           | 113735                    | 94.19                     | 117436                   | 97.25                     |
| 11 | Rajasthan       | 55530        | 12159                   | 11693                   | 4883                            | 1510                           | 2453                               | 398            | 88625                            | 100293                    | 113.17                    | 96317                    | 108.68                    |
| 12 | Tamil Nadu      | 181611       | 23289                   | 21877                   | 14672                           | 7358                           | 3815                               | 8963           | 261584                           | 243039                    | 92.91                     | 233802                   | 89.38                     |
| 13 | Uttar Pradesh   | 127731       | 30010                   | 24272                   | 23799                           | 6937                           | 2948                               | 13             | 215710                           | 255225                    | 118.32                    | 216629                   | 100.43                    |
| 14 | West Bengal     | 112357       | 16300                   | 17939                   | 10511                           | 7096                           | 1829                               | 6957           | 172989                           | 154309                    | 89.20                     | 198112                   | 114.52                    |
|    | 14 Major States | 1442417      | 356723                  | 229452                  | 138977                          | 66457                          | 30277                              | 69800          | 2334103                          | 2343421                   | 100.40                    | 2286255                  | 97.95                     |

Note: 1. Thirty per cent of the presumed loss on account of the prohibition policy has been added to the taxable capacity estimates of Gujarat and Tamil Nadu.

2. Revenue from "Agriculture and Land Revenue" and "Other Taxes" have been projected on the basis of actuals for the year 1986-87.

# TABLE B.4.3

|    |           |         |          |         | ·       |         |         |               |     | nue Of T    |            |              |               |             | - (            | Rs. Lakh) |                |
|----|-----------|---------|----------|---------|---------|---------|---------|---------------|-----|-------------|------------|--------------|---------------|-------------|----------------|-----------|----------------|
|    |           | 1989-90 | 1990-91  | 1991-92 | 1992-93 | 1993-94 | 1994-95 | 1990-91<br>to |     |             | (1)        | (2)          | (3)           | (4)         | (5)            | (6)       | (7)            |
|    |           |         |          |         |         | 100001  | 100100  | 1994-95       | 8   | Maharashtra |            | 52529        | 62221         | 73569       | 86830          | 102291    | 37744          |
| _  |           | (4)     |          | 453     |         |         |         |               | 9   | Orissa      | 3378       | 3963         | 4580          | 5279        | 6068           | 6864      | 2675           |
|    |           | (1)     | (2)      | (3)     | (4)     | (5)     | (6)     | (7)           | 10  |             | 36193      | 40680        | 45719         | 51366       | 57617          | 63817     | 25919          |
| R  | venue C   | ategor  | v : Sale | s Tay   |         |         |         |               | 11  |             | 16911      | 17825        | 18743         | 19668       | 20574          | 21216     | 9802           |
|    | Andhra    |         | ,        | ux      |         |         |         |               | 12  |             | 25678      | 28344        | 31244         | 34390       | 37725          | 40398     | 17210          |
|    | Pradesh   | 135084  | 149191   | 164598  | 181378  | 199592  | 219278  | 914036        | 13  | Uttar       |            |              |               |             |                |           |                |
| 2  | Bihar     | 66323   | 7441B    | 83324   | 93055   | 103472  | 113297  | 467566        | ١   | Pradesh     | 65006      | 64037        | 61940         | 59380       | 56470          | 52068     | 29389          |
| 3  | Gujarat   | 138709  |          | 170771  | 188754  | 207312  | 220715  | 941606        | 14  | West Bengal | 9791       | 12243        | 15283         | 19040       | 23605          | 28257     | 9842           |
| 4  | Haryana   | 42155   | 47112    | 52633   | 58780   | 65622   | 73235   | 297383        | ٠.  |             |            |              |               |             |                |           |                |
| 5  | Karnataka | 106551  | 118920   | 132612  | 147765  | 164530  | 183074  | 746902        | 14  | Major       |            |              |               |             |                |           |                |
| 6  | Kerala    | 81997   | 90629    | 100075  | 110393  | 121641  | 133876  | 556612        |     | States      | 375137     | 414572       | 458154        | 506317      | 559543         | 618364    | 255090         |
| 7  | Madhya    |         |          |         |         |         |         | 000012        |     |             |            |              |               |             |                |           |                |
|    | Pradesh   | 67064   | 76635    | 87246   | 98979   | 111688  | 122835  | 497384        | No  |             |            |              | d loss on ac  |             |                |           | beentaken      |
| 8  | Mahara-   |         |          |         |         |         |         |               |     | account c   | v in me la | xable capac  | city estimate | e of Gujara | tand Tami      | Nadu.     |                |
|    | shtra     | 272655  | 302976   | 336072  | 372120  | 411288  | 453734  | 1876189       | 0.  | overue Ca   | togor      | v. No        | lar Vah       | laiaa A     | nd Dag         |           | Cd             |
| 9  | Orissa    | 27489   | 31842    | 36320   | 41329   | 46890   | 52358   | 208738        | n   | evenue Ca   | itegor     | у: мо<br>Тах | tor Veh       | ICIUS AI    | iu ras         | senger    | Good           |
| 10 | Punjab    | 57739   | 64945    | 73041   | 82123   | 92183   | 102175  | 414466        | 1   | Andhra      |            | Ida          | .69           |             |                |           |                |
| 11 | Rajasthan | 61731   | 68049    | 74835   | 82127   | 89848   | 96895   | 411754        | '   | Pradesh     | 18535      | 20296        | 22201         | 24255       | 00400          | 28825     | 10004          |
| 12 | Tamil     |         | *        |         |         |         |         |               | 2   | Bihar       | 4505       | 6078         | 8184          | 10990       | 26463<br>14696 | 19350     | 122040<br>5929 |
|    | Nadu      | 163799  | 188219   | 215980  | 247471  | 282601  | 315028  | 1249298       | 3   | Gujarat     | 24294      | 26223        | 28252         | 30349       | 32397          | 33522     | 15074          |
| 13 | Uttar     |         | *        |         |         |         |         |               | 4   | Haryana     | 12544      | 14272        | 16233         | 18457       | 20978          | 23835     | 9377           |
|    | Pradesh   | 124848  | 144205   | 163548  | 183837  | 204987  | 221618  | 918196        | 5   | Karnataka   | 19459      | 22224        | 25360         | 28915       | 32946          | 37513     | 14695          |
| 14 | West      |         |          |         |         |         |         |               | 6   | Kerala      | 6999       | 8559         | 10457         | 12762       | 15559          | 18946     | 6628           |
|    | Bengal    | 105555  | 120696   | 137768  | 156949  | 177935  | 194774  | 788123        | 7   | Madhya      | 0333       | 0308         | 10457         | 12702       | 13335          | 16540     | 0020           |
|    |           |         |          |         |         |         |         |               | 1 1 | Pradesh     | 12976      | 15702        | 18930         | 22741       | 27173          | 31646     | 11619          |
| 14 | Major     |         |          |         |         |         |         |               | 8   | Maharashtra |            | 35879        | 38143         | 40477       | 42877          | 45334     | 202710         |
|    | States    | 1451699 | 1631890  | 1828822 | 2045059 | 2279589 | 2502892 | 10288252      | 9   | Orissa      | 4578       | 5083         | 5558          | 6062        | 6593           | 7057      | 3035           |
| _  |           |         |          |         | _       |         |         |               | 10  |             | 10242      | 11807        | 13609         | 15682       | 18041          | 20494     | 7963           |
|    | evenue (  | Categor | y : Stat | e Excis | e Duty  |         |         |               | 11  |             | 11471      | 12965        | 14618         | 16449       | 18451          | 20402     | 8288           |
| 1  | Andhra    |         |          |         |         |         |         |               | 12  | •           | 17702      | 20788        | 24377         | 28544       | 33311          | 37948     | 14496          |
| _  | Predesh   | 68273   |          | 81551   | 88976   | 96943   | 105450  |               | _   | Uttar       |            | 20,00        | L 10//        | L-00 4-7    | 50071          | 0.040     | 17730          |
| 2  | Bihar     | 7030    | 8205     | 9557    | 11103   | 12842   | 14628   | 56335         | "   | Pradesh     | 20653      | 24526        | 28598         | 33049       | 37887          | 42112     | 16617          |
| 3  | Guarat    | 1108    | 1862     | 3124    | 5227    | 8688    | 13999   | 32901         | 14  | West        |            |              |               |             | J. 557         | **** 1 6. |                |
| 4  | Haryana   | 21935   |          | 28903   | 33160   | 38031   | 43602   |               | ``  | Bengal      | 16745      | 19172        | 21912         | 24994       | 28373          | 31098     | 12554          |
| 5  | Karnataka | 32368   |          | 43508   | 50381   | 58297   | 67412   |               |     | _ 3         |            |              |               |             |                | T50       |                |
| 6  | Kerala    | 19641   | 21100    | 22646   | 24280   | 26004   | 27817   | 121848        | 14  | Major       |            |              |               |             |                |           |                |
| 7  | Madhya    |         |          |         |         |         |         |               | 19  | -           |            |              |               |             |                |           |                |
|    | Pradesh   | 23558   | 25123    | 26692   | 28259   | 29759   | 30543   | 140376        | 1   | States      | 214393     | 243573       | 276430        | 313728      | 355744         | 398082    | 15875          |

|   | ****  |   |   |   |   |   | 1  | 2 .   |  |
|---|---|---|---|---|---|---|--|---|--|
|   | (1)   | (2)   | (3)   | (4)   | (5)   | (6)   | (7)  | (1) (2) (3) (4) (5)   | (6) (7   |
| evenue Ca   | tegory  | : Stam  | ps and  | Regist  | ration  |   |  |   | 25184 98   |
| Andhra  | • •   |   | -   | _   |   |   |  | 4 Haryana 731 731 730 729   | 727 3  |
| Pradesh   | 15040   | 15299   | 15546   | 15778   | 15991   | 16181   | 78794  |   | 5699 24  |
| Bihar   | 6736  | 7662  | 8696  | 9846  | 11098   | 12319   | 49621  | 6 Kerala 392 417 443 470 499  | 528 2  |
| Gujarat   | 8936  | 9973  | 11110   | 12340   | 13621   | 14573   | 61617  | 7 Madhya  | 0404 47  |
| Haryana   | 6769  | 7398  | 8083  | 8829  | 9640  | 10521   | 44471  |   | 2494 17  |
| Karnataka   | 12451   | 13375   | 14355   | 15395   | 16498   | 17669   | 77291  | 8 Maharashtra 21940 24741 27851 31295 35102 3<br>9 Orissa 693 76 8 1 0  | 39299 158<br>0   |
| Kerala  | 10936   | 11842   | 12811   | 13845   | 14945   | 16115   | 69557  |   | 1553 6   |
| Madhya  | 5043  | 0044  |   |   |   |   |  | 11 Rajasthan 2257 1786 1410 1110 872  | 675 5  |
| Pradesh<br>Maharashtra  | 8817<br>19911   | 9911<br>20867   | 11098<br>21830  | 12385<br>22796  | 13746   | 14871   | 62011  | •   | 15093 61   |
| Orissa  | 2825  | 3128  | 3412  | 22796<br>3712   | 23762<br>4026   | 24723   | 113978   | 13 Uttar  | 10000  |
| Punjab  | 2025<br>8411  | 9640  | 11047   | 12656   | 14475   | 4299<br>16348   | 18576  | Pradesh 6751 2206 708 225 71  | 22 3   |
| Rajasthan   | 5386  | 5947  | 6550  | 7199  | 7888  | 8520  | 64165<br>36105   | 14 West   | - `  |
| Tamil Nadu  | 23522   | 24091   | 24640   | 25165   | 25614   | 25450   | 124960   | Bengai 11923 12017 12092 12142 12134 1  | 11709 6  |
| Uttar   | 20022   | E4001   | 27070   | 2010  | 23014   | 23430   | 124800   |   |  |
| Pradesh   | 34528   | 36852   | 38621   | 40115   | 41333   | 41293   | 198214   | 14 Major  |  |
| West Bengal   |   | 10330   | 12056   | 14044   | 16280   | 18221   | 70930  | States 79150 80533 86809 95632 106352 11  | 17598 48   |
| Major   |   |   |   |   |   |   |  |   |  |
| States  | 173102  | 186314  | 199854  | 214103  | 228917  | 241101  | 1070290  |   |  |
|   |   |   |   |   |   |   |  | Revenue Category: All Taxes (Exclusive of Ces   | ss on Mi   |
|   |   |   |   |   |   |   |  | and Minerals)   |  |
| venue Ca  | teacr   | . Enta  | rta in  | ant Tax   |   |   |  |   | 93785 164  |
| Andhra  | regury  | . Elite   | 1141111111  | HIL I GX  |   |   |  |   | 66895 65   |
| Pradesh   | 5871  | 6592  | 7395  | 8285  | 9269  | 10353   | 41894  |   | 20711 130  |
| Bihar   | 3671  | 0392  | /395<br>4   | 0205<br>35  | 306   | 2652  | 2998   | · · · · · · · · · · · · · · · · · · ·   | 53649 61   |
| Gujarat   | Ö   | 1   | 7   | 78  | 890   | 9896  | 10871  |   | 23238 130  |
| Haryana   | 999   | 1084  | 1176  | 1275  | 1382  | 1497  | 6413   | 6 Kerala 121929 134899 149248 165124 182688 20  | 02121 83   |
| Karnataka   | 4736  | 5447  | 6260  | 7188  | 8247  | 9456  | 36598  | 7 Madhya  |  |
| Kerala  | 0   | 0   | 02.00   | 1   | 1   | 2   | 4  | Pradesh 119361 133632 149608 167495 187521 20   | 09941 84   |
| Madhya  | _   | •   | •   | •   |   |   | 7  | 8 Mahara-   |  |
| Pradesh   | 0   | 1   | 5   | 57  | 594   | 5999  | 6656   | shtra 405917 452349 504093 561755 626013 69   | 97622 284  |
| Maharashtra   |   | 10274   | 13310   | 17212   | 22219   | 28628   | 91643  | 9 Orissa 39952 45074 50852 57371 64726 7  | 73024 29   |
| Orissa  | 0   | 0   | 3   | 25  | 195   | 1501  | 1724   | 10 Punjab 113735 128342 144825 163425 184414 20   | 08099 82   |
| Punjab  | ō   | Ō   | 4   | 40  | 368   | 3363  | 3776   | 11 Rajasthan 100293 109094 118668 129082 140410 15  | 52732 64   |
| Rajasthan   | ō   | Ō   | 4   | 34  | 297   | 2557  | 2892   | 12 Tamil  |  |
| Tamil Nadu  | 0   | 1   | 7   | 88  | 1057  | 12390   | 13543  | Nadu 243039 275003 311171 352096 398404 45  | 50801 178  |
| Uttar Prades  | h 0   | 1   | 7   | 87  | 1023  | 11685   | 12803  | 13 Uttar  |  |
| West Bengal   | 0   | 1   | 7   | 87  | 1036  | 11942   | 13072  | Pradesh 255225 275161 296655 319828 344810 37   | 71744 160  |
|   |   |   |   |   |   |   |  | 14 West<br>Bengal 154309 176032 200813 229083 261332 29   | 98122 116  |
| Major<br>States   | 19523   | 23402   | 28189   | 34490   | 46882   | 111923  | 244886   | 55 mgai 154505 170002 200010 225000 201002 25   | 90122 TTQ  |
|   |   |   |   |   |   |   |  | 14 Major<br>States 2343421 2609491 2906524 3238202 3608647 402  | 22484 163 <b>8</b>   |
|   |   |   |   |   |   |   |  |   |  |
| venue Ca  | tegory  | : Agric   | culture   | and La  | nd Reve   | nue   |  |   |  |
| Andhra  |   | -   |   |   |   | ,,,,,,  |  |   |  |
|   | 1390  | 1454  | 1521  | 1591  | 1663  | 1740  | 7969   |   |  |
| Pradesh   | 1390<br>1451  | •   |   | 1591<br>1755  | 1663<br>1870  |   | 7969<br>8812   | Revenue Category : All Taxes (Inclusive of Cess   | s on Min   |
| Pradesh<br>Bihar  |   | 1454  | 1521  |   |   | 1740  |  | and Minerals)   | s on Min   |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana  | 1451<br>2274<br>46  | 1454<br>1546  | 1521<br>1648  | 1755  | 1870  | 1740<br>1993  | 8812   | and Minerals)   |  |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka   | 1451<br>2274<br>46<br>3157  | 1454<br>1546<br>2374<br>64<br>2993  | 1521<br>1648<br>2479<br>88<br>2836  | 1755<br>2588  | 1870<br>2702  | 1740<br>1993<br>2821  | 8812<br>12963  | and Minerals) 1 Andhra Pradesh 251547 276304 303499 333371 366184 40  | 02227 168  |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala   | 1451<br>2274<br>46  | 1454<br>1546<br>2374<br>64  | 1521<br>1648<br>2479<br>88  | 1755<br>2588<br>122   | 1870<br>2702<br>168   | 1740<br>1993<br>2821<br>232   | 8812<br>12963<br>673   | and Minerals)  1 Andhra Pradesh 251547 276304 303499 333371 366184 40 2 Bihar 137371 154889 174664 196991 222202 25   | 02227 168<br>50673 99  |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya   | 1451<br>2274<br>46<br>3157<br>1964  | 1454<br>1546<br>2374<br>64<br>2993<br>2352  | 1521<br>1648<br>2479<br>88<br>2836<br>2817  | 1755<br>2588<br>122<br>2688   | 1870<br>2702<br>168<br>2548   | 1740<br>1993<br>2821<br>232<br>2415   | 8812<br>12963<br>673<br>13481  | Andhra Pradesh 251547 276304 303499 333371 366184 40 Bihar 137371 154889 174664 196991 222202 25 Gujarat 187653 208885 232519 258827 288112 32  | 02227 168<br>50673 99<br>20711 130   |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh  | 1451<br>2274<br>46<br>3157<br>1964  | 1454<br>1546<br>2374<br>64<br>2993  | 1521<br>1648<br>2479<br>88<br>2836  | 1755<br>2588<br>122<br>2688   | 1870<br>2702<br>168<br>2548   | 1740<br>1993<br>2821<br>232<br>2415   | 8812<br>12963<br>673<br>13481  | 1 Andhra Pradesh 251547 276304 303499 333371 366184 40 2 Bihar 137371 154889 174664 196991 222202 25 3 Gujarat 187653 208885 232519 258827 288112 32 4 Haryana 85178 95845 107847 121353 136549 15  | 02227 168<br>50673 99<br>20711 130<br>53649 61   |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh<br>Maharashtra   | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537  | 1454<br>1546<br>2374<br>64<br>2993<br>2352  | 1521<br>1648<br>2479<br>88<br>2836<br>2817  | 1755<br>2588<br>122<br>2688<br>3373   | 1870<br>2702<br>168<br>2548<br>4039   | 1740<br>1993<br>2821<br>232<br>2415<br>4836   | 8812<br>12963<br>673<br>13481<br>17417   | and Minerals)       1 Andhra     Pradesh     251547     276304     303499     333371     366184     40       2 Bihar     137371     154889     174664     196991     222202     25       3 Gujarat     187653     208885     232519     258827     288112     32       4 Haryana     85178     95845     107847     121353     136549     15       5 Karnataka     182846     204959     229745     257530     288674     32  | 02227 168<br>50673 99<br>20711 130<br>53649 61<br>23586 130  |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh<br>Maharashtra<br>Orissa   | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989   | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981   | 1521<br>1648<br>2479<br>88<br>2836<br>2817  | 1755<br>2588<br>122<br>2688<br>3373   | 1870<br>2702<br>168<br>2548<br>4039   | 1740<br>1993<br>2821<br>232<br>2415<br>4836   | 8812<br>12963<br>673<br>13481<br>17417   | 1 Andhra Pradesh 251547 276304 303499 333371 366184 40 2 Bihar 137371 154889 174664 196991 222202 25 3 Gujarat 187653 208885 232519 258827 288112 32 4 Haryana 85178 95845 107847 121353 136549 15 5 Karnataka 182846 204959 229745 257530 288674 32 6 Kerala 121929 134899 149248 165124 182688 20   | 02227 168<br>50673 99<br>20711 130<br>53649 61<br>23586 130  |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh<br>Maharashtra<br>Orissa   | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537  | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084  | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668  | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286   | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935   | 1740<br>1993<br>2821<br>232<br>2415<br>4836<br>1552<br>3613   | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584  | and Minerals)       1 Andhra<br>Pradesh     251547     276304     303499     333371     366184     40       2 Bihar     137371     154889     174664     196991     222202     25       3 Gujarat     187653     208885     232519     258827     288112     32       4 Haryana     85178     95845     107847     121353     136549     15       5 Karnataka     182846     204959     229745     257530     288674     32       6 Kerala     121929     134899     149248     165124     182688     20       7 Madhya   | 02227 168<br>50673 99<br>20711 130<br>53649 6<br>23586 130<br>02121 83   |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh<br>Maharashtra<br>Orissa<br>Punjab<br>Rajasthan  | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989<br>311<br>2537                                  | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981<br>318<br>2522                                  | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668<br>972   | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286<br>963  | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935<br>955  | 1740<br>1993<br>2821<br>232<br>2415<br>4836<br>1552<br>3613<br>946  | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584<br>4816  | 1 Andhra   Pradesh   251547   276304   303499   333371   366184   40   40   40   40   40   40   40  | 02227 168<br>50673 98<br>20711 130<br>53649 61<br>23586 130<br>02121 83  |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh<br>Maharashtra<br>Orissa<br>Punjab<br>Rajasthan<br>Tamil Nadu                                    | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989<br>311  | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981<br>318  | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668<br>972<br>326  | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286<br>963<br>333                                 | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935<br>955<br>341                                 | 1740<br>1993<br>2821<br>232<br>2415<br>4836<br>1552<br>3613<br>946<br>349                                 | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584<br>4816<br>1667                                    | and Minerals)       1 Andhra<br>Pradesh     251547     276304     303499     333371     366184     40       2 Bihar     137371     154889     174664     196991     222202     25       3 Gujarat     187653     208885     232519     258827     288112     32       4 Haryana     85178     95845     107847     121353     136549     15       5 Karnataka     182846     204959     229745     257530     288674     32       6 Kerala     121929     134899     149248     165124     182688     20       7 Madhya     Pradesh     130569     146072     163418     182824     204535     22       8 Mahara-   | 02227 168<br>50673 98<br>20711 130<br>53649 61<br>23586 130<br>02121 83  |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh<br>Maharashtra<br>Orissa<br>Punjab<br>Rajasthan<br>Tamil Nadu<br>Uttar                           | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989<br>311<br>2537<br>3985                          | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981<br>318<br>2522<br>4082                          | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668<br>972<br>326<br>2508<br>4181                          | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286<br>963<br>333<br>2494<br>4282                 | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935<br>955<br>341<br>2480<br>4386                 | 1740<br>1993<br>2821<br>232<br>2415<br>4836<br>1552<br>3613<br>946<br>349<br>2465                         | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584<br>4816<br>1667<br>12469                           | 1 Andhra   Pradesh   251547   276304   303499   333371   366184   40   40   40   40   40   40   40  | 02227 168<br>50673 96<br>20711 130<br>53649 6<br>23586 130<br>02121 83<br>28827 92<br>97622 284  |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh<br>Maharashtra<br>Orissa<br>Punjab<br>Rajasthan<br>Tamil Nadu<br>Uttar<br>Pradesh                | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989<br>311<br>2537<br>3985                          | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981<br>318<br>2522<br>4082                          | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668<br>972<br>326<br>2508<br>4181                          | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286<br>963<br>333<br>2494<br>4282                 | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935<br>955<br>341<br>2480<br>4386                 | 1740<br>1993<br>2821<br>232<br>2415<br>4836<br>1552<br>3613<br>946<br>349<br>2465<br>4493                 | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584<br>4816<br>1667<br>12469                           | and Minerals)       1 Andhra     Pradesh     251547     276304     303499     333371     366184     40       2 Bihar     137371     154889     174664     196991     222202     25       3 Gujarat     187653     208885     232519     258827     288112     32       4 Haryana     85178     95845     107847     121353     136549     15       5 Karnataka     182846     204959     229745     257530     288674     32       6 Kerala     121929     134899     149248     165124     182688     20       7 Madhya     Pradesh     130569     146072     163418     182824     204535     22       8 Maharashtra     405917     452349     504093     561755     626013     66       9 Orissa     41333     46606     52553     59259     66822     7   | 02227 168<br>50673 96<br>20711 130<br>53649 61<br>23586 130<br>02121 83<br>28827 92<br>97622 284<br>75350 30   |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh<br>Maharashtra<br>Orissa<br>Punjab<br>Rajasthan<br>Tamil Nadu<br>Uttar<br>Pradesh                | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989<br>311<br>2537<br>3985                          | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981<br>318<br>2522<br>4082                          | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668<br>972<br>326<br>2508<br>4181                          | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286<br>963<br>333<br>2494<br>4282                 | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935<br>955<br>341<br>2480<br>4386                 | 1740<br>1993<br>2821<br>232<br>2415<br>4836<br>1552<br>3613<br>946<br>349<br>2465<br>4493                 | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584<br>4816<br>1667<br>12469<br>21423                  | 1 Andhra Pradesh 251547 276304 303499 333371 366184 40 2 Bihar 137371 154889 174664 196991 222202 25 3 Gujarat 187653 208885 232519 258827 288112 32 4 Haryana 85178 95845 107847 121353 136549 15 5 Karnataka 182846 204959 229745 257530 288674 32 6 Kerala 121929 134899 149248 165124 182688 20 7 Madhya Pradesh 130569 146072 163418 182824 204535 22 8 Mahara- shtra 405917 452349 504093 561755 626013 65 9 Orissa 41333 46606 52553 59259 66822 7 10 Punjab 113750 128359 144844 163446 184437 20   | 02227 168<br>50673 98<br>20711 130<br>53649 61<br>23586 130<br>02121 83<br>28827 92<br>97622 284<br>75350 30<br>08125 82                                       |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh<br>Maharashtra<br>Orissa<br>Punjab<br>Rajasthan<br>Tamil Nadu<br>Uttar<br>Pradesh<br>West Bengal | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989<br>311<br>2537<br>3985                          | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981<br>318<br>2522<br>4082                          | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668<br>972<br>326<br>2508<br>4181                          | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286<br>963<br>333<br>2494<br>4282                 | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935<br>955<br>341<br>2480<br>4386                 | 1740<br>1993<br>2821<br>232<br>2415<br>4836<br>1552<br>3613<br>946<br>349<br>2465<br>4493                 | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584<br>4816<br>1667<br>12469<br>21423                  | and Minerals)       1 Andhra     Pradesh     251547     276304     303499     333371     366184     40       2 Bihar     137371     154889     174664     196991     222202     25       3 Gujarat     187653     208885     232519     258827     288112     32       4 Haryana     85178     95845     107847     121353     136549     15       5 Karnataka     182846     204959     229745     257530     288674     32       6 Kerala     121929     134899     149248     165124     182688     20       7 Madhya     Pradesh     130569     146072     163418     182824     204535     22       8 Mahara-     shtra     405917     452349     504093     561755     626013     69       9 Orissa     41333     46606     52553     59259     66822     7       10 Punjab     113750     128359     144844     163446     184437     20       11 Rajasthan     100293     109094     118668     129082     140410     15  | 02227 168<br>50673 98<br>20711 130<br>53649 61<br>23586 130<br>02121 83<br>28827 92<br>97622 284<br>75350 30<br>08125 82                                       |
| Pradesh<br>Bihar<br>Gujarat<br>Haryana<br>Karnataka<br>Kerala<br>Madhya<br>Pradesh<br>Maharashtra<br>Orissa<br>Punjab<br>Rajasthan<br>Tamil Nadu<br>Uttar<br>Pradesh<br>West Bengal | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989<br>311<br>2537<br>3985<br>3439<br>1460          | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981<br>318<br>2522<br>4082<br>3334<br>1573          | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668<br>972<br>326<br>2508<br>4181<br>3233<br>1695          | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286<br>963<br>333<br>2494<br>4282<br>3135<br>1827 | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935<br>955<br>341<br>2480<br>4386                 | 1740<br>1993<br>2821<br>232<br>2415<br>4836<br>1552<br>3613<br>946<br>349<br>2465<br>4493                 | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584<br>4816<br>1667<br>12469<br>21423                  | Andhra Pradesh 251547 276304 303499 333371 366184 40 Bihar 137371 154889 174664 196991 222202 25 Gujarat 187653 208885 232519 258827 288112 32 Haryana 85178 95845 107847 121353 136549 15 Karnataka 182846 204959 229745 257530 288674 32 Kerala 121929 134899 149248 165124 182688 20 Madhya Pradesh 130569 146072 163418 182824 204535 22 Mahara- shtra 405917 452349 504093 561755 626013 69 Orissa 41333 46606 52553 59259 66822 7 OPunjab 113750 128359 144844 183446 184437 20 Hajasthan 100293 109094 118668 129082 140410 15   | 02227 168<br>50673 96<br>20711 130<br>53649 61<br>23586 130<br>02121 83<br>28827 92<br>97622 284<br>75350 30<br>08125 82<br>52732 64                           |
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| Pradesh Bihar Gujarat Haryana Karnataka Kerala Madhya Pradesh Maharashtra Orissa Punjab Rajasthan Tamil Nadu Uttar Pradesh West Bengal Major States                                 | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989<br>311<br>2537<br>3985<br>3439<br>1460          | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981<br>318<br>2522<br>4082<br>3334<br>1573          | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668<br>972<br>326<br>2508<br>4181<br>3233<br>1695          | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286<br>963<br>333<br>2494<br>4282<br>3135<br>1827 | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935<br>955<br>341<br>2480<br>4386                 | 1740<br>1993<br>2821<br>232<br>2415<br>4836<br>1552<br>3613<br>946<br>349<br>2465<br>4493<br>2947<br>2122 | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584<br>4816<br>1667<br>12469<br>21423<br>15688<br>9187 | 1 Andhra Pradesh 251547 276304 303499 333371 366184 40 2 Bihar 137371 154889 174664 196991 222202 25 3 Gujarat 187653 208885 232519 258827 288112 32 4 Haryana 85178 95845 107847 121353 136549 15 5 Karnataka 182846 204959 229745 257530 288674 32 6 Kerala 121929 134899 149248 165124 182688 20 7 Madhya Pradesh 130569 146072 163418 182824 204535 22 8 Mahara- shtra 405917 452349 504093 561755 626013 65 9 Orissa 41333 46606 52553 59259 66822 7 10 Punjab 113750 128359 144844 163446 184437 20 11 Rajasthan 100293 109094 118668 129082 140410 15 12 Tamil Nadu 243039 275003 311171 352096 398404 45 13 Uttar Pradesh 255246 275185 296681 319856 344842 37   | 02227 168<br>50673 99<br>20711 130<br>53649 61<br>23586 130<br>02121 83<br>28827 92<br>97622 284<br>75350 30<br>08125 82<br>52732 64<br>50801 178              |
| Pradesh Bihar Gujarat Haryana Karnataka Kerala Madhya Pradesh Maharashtra Orissa Punjab Rajasthan Tamil Nadu Uttar Pradesh West Bengal Major States                                 | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989<br>311<br>2537<br>3985<br>3439<br>1460<br>30418 | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981<br>318<br>2522<br>4082<br>3334<br>1573<br>30484 | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668<br>972<br>326<br>2508<br>4181<br>3233<br>1695<br>30710 | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286<br>963<br>333<br>2494<br>4282<br>3135<br>1827 | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935<br>955<br>341<br>2480<br>4386<br>3039<br>1969 | 1740<br>1993<br>2821<br>2415<br>4836<br>1552<br>3613<br>946<br>349<br>2465<br>4493<br>2947<br>2122        | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584<br>4816<br>1667<br>12469<br>21423<br>15688<br>9187 | Andhra Pradesh 251547 276304 303499 333371 366184 40 Bihar 137371 154889 174664 196991 222202 25 Gujarat 187653 208885 232519 258827 288112 32 Haryana 85178 95845 107847 121353 136549 15 Karnataka 182846 204959 229745 257530 288674 32 Kerala 121929 134899 149248 165124 182688 20 Madhya Pradesh 130569 146072 163418 182824 204535 22 Mahara- shtra 405917 452349 504093 561755 626013 66 Orissa 41333 46606 52553 59259 66822 7 O Punjab 113750 128359 144844 163446 184437 20 Rajasthan 100293 109094 118668 129082 140410 18 Tamil Nadu 243039 275003 311171 352096 398404 45 Uttar Pradesh 255246 275185 296681 319856 344842 37 West Bengal 173813 197682 224845 255758 290942 33   | 02227 168<br>50673 99<br>20711 130<br>53649 61<br>23586 130<br>02121 83<br>28827 92<br>97622 284<br>75350 30<br>08125 82<br>52732 64<br>50801 178              |
| Pradesh Bihar Gujarat Haryana Karnataka Kerala Madhya Pradesh Maharashtra Orissa Punjab Rajasthan Tamil Nadu Uttar Pradesh West Bengal Major States                                 | 1451<br>2274<br>46<br>3157<br>1964<br>1876<br>5537<br>989<br>311<br>2537<br>3985<br>3439<br>1460          | 1454<br>1546<br>2374<br>64<br>2993<br>2352<br>1807<br>5084<br>981<br>318<br>2522<br>4082<br>3334<br>1573          | 1521<br>1648<br>2479<br>88<br>2836<br>2817<br>1739<br>4668<br>972<br>326<br>2508<br>4181<br>3233<br>1695          | 1755<br>2588<br>122<br>2688<br>3373<br>1675<br>4286<br>963<br>333<br>2494<br>4282<br>3135<br>1827 | 1870<br>2702<br>168<br>2548<br>4039<br>1612<br>3935<br>955<br>341<br>2480<br>4386                 | 1740<br>1993<br>2821<br>232<br>2415<br>4836<br>1552<br>3613<br>946<br>349<br>2465<br>4493<br>2947<br>2122 | 8812<br>12963<br>673<br>13481<br>17417<br>8385<br>21584<br>4816<br>1667<br>12469<br>21423<br>15688<br>9187 | 1 Andhra Pradesh 251547 276304 303499 333371 366184 40 2 Bihar 137371 154889 174664 196991 222202 25 3 Gujarat 187653 208885 232519 258827 288112 32 4 Haryana 85178 95845 107847 121353 136549 15 5 Karnataka 182846 204959 229745 257530 288674 32 6 Kerala 121929 134899 149248 165124 182688 20 7 Madhya Pradesh 130569 146072 163418 182824 204535 22 8 Mahara- shtra 405917 452349 504093 561755 626013 65 9 Orissa 41333 46606 52553 59259 66822 7 10 Punjab 113750 128359 144844 163446 184437 20 11 Rajasthan 100293 109094 118668 129082 140410 15 12 Tamil Nadu 243039 275003 311171 352096 398404 45 13 Uttar Pradesh 255246 275185 296681 319856 344842 37   | 02227 168<br>50673 99<br>20711 130<br>53649 61<br>23586 130<br>02121 83<br>28827 92<br>97622 284<br>75350 30<br>08125 82<br>52732 64<br>50801 178<br>71780 160 |