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**Ravindra H. Dholakia**  
**Manish B. Pandya**  
**Payal M. Pateriya**

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**AHMEDABAD-380 015**  
**INDIA**

## Urban – Rural Income Differential in Major States: Contribution of Structural Factors

**Ravindra H. Dholakia**

Professor, Indian Institute of Management Ahmedabad  
Email: rdholkia@iimahd.ernet.in

**Manish B. Pandya**

(DE&S, Govt. of Gujarat, Gandhinagar)

**Payal M. Pateriya**

(DE&S, Govt. of Gujarat, Gandhinagar)

*(Views expressed are of authors in their personal capacities and not necessarily of the organizations to which they belong. Email for corresponding author: [rdholkia@iimahd.ernet.in](mailto:rdholkia@iimahd.ernet.in))*

### ABSTRACT

In this paper, we have attempted to estimate the urban – rural income differential (URID) for 15 major states based on readily available data on GSDP by sectors, population and employment by sectors and urban – rural residence. There are three components of the URID, viz., worker population ratios (WPR), employment structure and labor productivity by sectors in urban and rural areas. We are unable to estimate the labor productivity differentials at the state level, but the other two factors are considered and the floor estimate for the URID is obtained for the 15 states in the four base years. Moreover, it is also shown with the help of the estimates available at the All India level that out of the three factors, employment structure is the most dominant one to determine URID and that the component of productivity differential is not very high. Assuming the same extent of the component of productivity differential for each state as for the country, estimates of the URID in the major states for the three base years are derived. We have also attempted an estimate of the URID for the country and the states in the likely base year of 2011-12 with corresponding urban and rural per capita incomes.

## Urban – Rural Income Differential in Major States: Contribution of Structural Factors

### I. Introduction

Income inequality existing between urban and rural areas is an important feature of the development of an economy. Very often people refer to it for reflecting on the differences in the average standard of life between the two areas. Ideally for this purpose we need estimates of the personal income in the two areas, which are simply not available in the country given the regional accounting framework and problems associated with cross border flows of goods and services. It is, therefore, very popular to use consumption expenditures by households as a proxy for the personal income to reflect upon the differences in living standards. It obviously ignores the differences in the saving behavior of population in the two areas. Income originating within the geographical boundaries given by the concept of ‘domestic product’ can serve as an alternative, particularly because it captures physical developments, employment level and productive potential of the area. In this context, it becomes extremely relevant to generate estimates of urban and rural domestic products in an economy.

At the national level, Chakravarty et al (1960) and Rao (1965) recognized this need and attempted their own estimates of the urban and rural incomes respectively for the years 1952-53 and 1950-51 and 1960-61. The Central Statistical Organization (CSO) then started producing these estimates for the country as a whole in different base years for the national income series. Thus, it has prepared and published estimates of the urban and rural domestic products for the years 1970-71, 1980-81, 1993-94, 1999-00, and 2004-05 (CSO, 1979, 1988, 1999, 2006 and 2010). Since the proposed new base year for the national income series is 2011-12, we can expect the next estimate of urban and rural domestic product for that year brought out around 2015-16. It is, however, surprising that a similar effort is not made at the state level in spite of the Committee on Regional Account clearly recommending it in its final report as long back as 1976. The only effort to prepare estimates of the urban-rural income differentials for major states in the country was by Dholakia and Dholakia (1978) for the year 1970-71.

Subsequently, the National Statistical Commission (2001) also recommended the same thing and asked the CSO to standardize the methodology and prescribe broad sources

for preparation of the estimates of urban and rural domestic product at the state level. Accordingly, the CSO (2008) has prepared detailed guidelines for the states for the purpose. For several sectors and sub-sectors, the CSO and NSSO provide the estimates of domestic product by urban – rural areas upon official requests from the respective states. However, there are hardly any estimates of the urban and rural domestic products prepared at the state level barring a few exceptions (e.g., Dholakia and Pandya, 2012 for Gujarat). As a result, we do not have any idea about the variation in the urban – rural income differential across states in the country and its behavior over time. This important dimension of economic development and useful planning and evaluation input not only for the government agencies but also for the private sector businesses, therefore, remains unaddressed and unused.

One possible reason for this state of affairs is that CSO and NSSO do not provide the estimates for some sectors and sub-sectors that they provide to the respective states to individual scholars or even to other state statistical bureaus. In the present paper, therefore, we make use of whatever data in this regard available readily in a comparable and analytically usable form. Gross State Domestic Product by broad sectors and employment by broad sectors for major states are readily available from published sources. We, therefore, attempt to investigate the effects of differing structure of working force in the urban and rural areas on the income differential in 15 major state economies in the country. We have attempted the exercise for four recent base years – 1993-94, 1999-00, 2004-05 and 2011-12 to examine the trend in this ratio in different states. The framework used for estimation and data sources are briefly described in the next section. Section III estimates the effect of Worker Population Ratio on the income differential. Section IV then estimates the effect of the differing structure of employment in the two areas on the overall productivity and income differential. Section V attempts estimates of urban and rural incomes in the states in the four base years by assuming the same extent of the productivity differentials as at the national level. The final section concludes the paper.

## **II. Method and Sources of Data**

Our purpose is to estimate total Urban Income (UI) and Rural Income (RI) and obtain per capita income in both the areas to get the differential in a given year. We can, therefore, represent the Urban – Rural Income Differential (URID) as –

$$\text{URID} = (\text{UI}/\text{UP}) / (\text{RI}/\text{RP}) = (\text{UW}/\text{UP})(\text{UI}/\text{UW}) / (\text{RW}/\text{RP})(\text{RI}/\text{RW})$$

$$= UWPR * ULP / RWPR * RLP = (UWPR/RWPR) * (ULP/RLP) \dots\dots\dots (1)$$

Where UP and RP represent respectively urban and rural population; UWPR and RWPR represent respectively urban and rural worker population ratio; and ULP and RLP represent respectively overall urban and rural labor productivity. If the overall urban and rural labor productivity is assumed to be the same as for the whole economy, URID would be given by the ratio of UWPR and RWPR.

In order to get overall labor productivity differential between urban and rural areas, we can consider the following equation –

$$ULP/RLP = \{ \sum (UI_i/UW_i) * (UW_i/UW) \} / \{ \sum (RI_i/RW_i) * (RW_i/RW) \} \dots\dots\dots (2)$$

Where  $UI_i$  and  $RI_i$  are respectively the urban and rural income originating in the  $i$ th sector; and  $UW_i$  and  $RW_i$  are respectively the urban and rural workers employed in the  $i$ th sector. Therefore, the labor productivity in  $i$ th sector is given by  $UI_i/UW_i$  in the urban area and  $RI_i/RW_i$  in the rural area. Similarly, the structure of employment in urban and rural areas is represented respectively by  $UW_i/UW$  and  $RW_i/RW$ .

Now, by replacing equation (2) in equation (1), we get the expression of URID in terms of its basic determinants, viz., UWPR, RWPR,  $UW_i/UW$ ,  $RW_i/RW$ ,  $UI_i/UW_i$  and  $RI_i/RW_i$  –

$$URID = (UWPR/RWPR) * [ \{ \sum (UI_i/UW_i) * (UW_i/UW) \} / \{ \sum (RI_i/RW_i) * (RW_i/RW) \} ] \dots\dots (3)$$

Out of these six determinants of URID, we can readily get the estimates of the first four, i.e. worker population ratios in the two areas and structure of the work force in the two areas. What we do not get readily are the estimates of the sectoral productivities of workers in the two areas. However, we have firm estimates of the sectoral productivities of workers in the economy as a whole from the estimates of GSDP and employment in the economy. If we assume that the productivity per worker at the sector level remains the same in the urban and rural areas in the face of non-availability of such information in the published form, we can estimate the urban – rural income differential existing on account of the structural factors at the state level. By and large, it would represent a lower limit on the true URID at the state level, because sectoral labor productivities in the urban areas are most likely to be higher than in the rural areas in most of the sectors.

In this context, it is worth noting that the CSO (2008) methodology suggested for estimating the urban and rural income at the state level recommends allocation of the domestic product to urban and rural areas based on the employment in several sectors and sub-sectors. Dholakia and Pandya (2012) found while applying the same methodology to Gujarat state that almost 52% of the total GSDP in 1993-94 was allocated in this way. This proportion goes on falling over time because of: (i) shifting share of income from such sectors; and (ii) more data sources available progressively for newer base years. Thus, our method of considering structural factors to estimate URID provides a good starting point and a floor estimate particularly when urban – rural sectoral labor productivity differentials are not available.

We expect considerable difference between the employment structures of urban and rural areas depending on the level and pattern of economic development in the economy. Usually, in the initial stages of economic development, the employment structure in the two areas would sharply differ because agricultural and other low productivity activities would dominate in rural areas, but secondary and tertiary high productivity activities would dominate and get concentrated in urban areas. The difference between the employment structures in the two areas would keep increasing over time till the economic development also trickles down and start impacting agriculture and value additions in rural areas. Once such a level of development is reached, differences between urban and rural areas get blurred and their employment patterns start converging. In order to capture this aspect across states in India, we need a measure of structural difference between two areas. Coefficient of Structural Difference (CSD), suggested by Dholakia (1985) can serve the purpose. It is given by ---

$$CSD = [ \{ \sum (X_i - Y_i)^2 \} / (n - 1) ]^{1/2} \dots\dots\dots (4)$$

Where  $X_i = UW_i/UW$  and  $Y_i = RW_i/RW$ ;  $\sum$  represents sum over all sectors; and  $n =$  number of sectors. CSD would always lie between 0 and 1.42. Higher is the value of CSD, larger is the difference between the structures of employment in the two regions. The same measure can also be used to measure the structural difference in employment in a state from the national average in urban and rural area separately.

The data used in this exercise are taken from the following sources:

- 1 NSS Results for 43rd(1993-94) , 50th(1999-00), 55th(2004-05), and 63rd(2011-12) Rounds, NSSO, MoSPI, Government of India.

- 2 National Account Statistics, 1993-94, 1999-00, 2004-05, Central Statistics Office, MoSPI, Government of India.
- 3 Population Censuses 1991, 2001, 2011, Registrar General of India, Government of India.
- 4 State Domestic Product Series for the years 1993-94, 1999-00, 2004-05 and 2011-12, MoSPI website, Government of India.

There are some adjustments necessary to make the data updated and analytically usable. These adjustments are for the population of urban and rural areas in the states for all the years under consideration. These adjustments would affect the number of workers because it is derived by applying the estimates of the parameters like WPR to population and then employment proportions in different sectors to so derived number of workers. Usually the estimates of population by area are provided by MoSPI, GoI by extrapolating the Census population figures. These estimates can change substantially for urban and rural areas once actual Census population is available. We have, therefore, made these adjustments in the population figures based on actual inter-census interpolation (Appendix Table 1). Moreover, we have considered the 15 major states of India for our study. We are constrained to consider only 9 one digit broad sectors in both urban and rural areas because NSS surveys on Employment and Unemployment provide data on workers only by those 9 sectors.

### **III. Effect of Worker Population Ratio (WPR)**

Table 1 provides estimates of the WPR in urban and rural areas of the major states in the four base years. As expected, it shows that in each year, WPR in urban area is substantially less than the one in the rural area in all states except in West Bengal. Over the last twenty years, although no clear trend emerges in the movement of WPR in urban areas in most states, in Gujarat and Punjab it is rising and in Kerala it is marginally falling. Similarly, the movements in rural WPR also do not show any clear trend in states, but in Andhra Pradesh, Bihar and Madhya Pradesh, it is declining over time.

**Table 1: Worker Population Ratio by Urban & Rural Areas in Major States in India, 1993-94 to 2011-12 (in %)**

States	1993-94		1999-00		2004-05		2011-12	
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>



Andhra Pradesh	37.6	57.5	34.8	54.2	39.2	54.4	36.4	52.2
Bihar	27.1	35.1	26.6	33.8	27.2	31.6	25.3	27.5
Gujarat	34.7	48.8	34.5	49.9	37.7	51.3	38.4	44.7
Karnataka	36.6	51.7	36.6	48.7	38.6	54.2	37.6	45.0
Maharashtra	35.6	51.4	34.6	48.4	38.4	52.1	36.5	48.6
Tamil Nadu	40.2	53.9	39.3	51.3	41.8	52.8	39.2	48.5
Uttar Pradesh	30.5	37.8	30.4	34.5	33.1	37.1	31.7	33.8
Kerala	37.7	38.1	37.3	38.7	37.1	40.0	36.3	38.2
Madhya Pradesh	31.7	49.4	31.9	46.2	34.7	45.9	32.5	40.5
Punjab	33.6	39.2	35.3	41.0	36.5	44.0	36.8	40.6
Rajasthan	33.5	50.0	32.3	44.6	34.9	45.9	32.6	42.4
West Bengal	36.2	37.6	35.0	34.9	38.4	37.9	40.0	39.0
Haryana	35.2	37.2	31.4	34.6	33.9	42.4	31.8	35.6
Assam	32.1	35.3	33.2	34.9	33.6	39.1	32.9	34.3
Orissa	34.1	44.2	31.7	42.3	33.4	45.2	38.1	41.7
All INDIA	34.7	44.4	33.7	41.7	36.5	43.9	35.5	39.9

Source: (1) NSS Rounds # 43rd, 50th, 55th & 63rd  
(2) Census of India, 1991, 2001, 2011

In order to get the contribution of WPR in determining the urban – rural income differential (URID), we need to take the ratio of (UWPR/RWPR) for each of the four years. Table 2 presents these ratios for the four base years. The table presents the URID when only WPR is allowed to change between urban and rural areas as observed in the four base years. It can be observed that URID would have been substantially less than one in all states and the country except in West Bengal. The overall trend in the ratio of the urban and rural WPR over the last twenty years shows that the WPR in the two areas are consistently coming closer to each other or converging. Thus, if productivity differential between the two areas remain constant over time, the URID would show an increasing trend over time. This trend is consistent over time in Bihar, Gujarat, Maharashtra, Tamil Nadu, Uttar Pradesh, Madhya Pradesh, Rajasthan, West Bengal and at all India level. It is clear that in all these states and the nation as a whole, changes in WPR would be driving the URID up and overall productivity differentials would have to show a balancing declining trend to keep the URID from rising over time. Thus, if targeted programs aimed specifically at increasing rural labor productivity in different sectors are not implemented, the URID will show tendency to increase in future.

**Table 2: Urban –Rural Income Differential Due to WPR in Major States**

States	Urban WPR / Rural WPR			
	1993-94	1999-00	2004-05	2011-12
1	2	3	4	5
Andhra Pradesh	0.6539	0.6421	0.7206	0.6973



Bihar	0.7721	0.7870	0.8608	0.9200
Gujarat	0.7111	0.6914	0.7349	0.8591
Karnataka	0.7079	0.7515	0.7122	0.8356
Maharashtra	0.6926	0.7149	0.7370	0.7510
Tamil Nadu	0.7458	0.7661	0.7917	0.8082
Uttar Pradesh	0.8069	0.8812	0.8922	0.9379
Kerala	0.9895	0.9638	0.9275	0.9503
Madhya Pradesh	0.6417	0.6905	0.7560	0.8025
Punjab	0.8571	0.8610	0.8295	0.9064
Rajasthan	0.6700	0.7242	0.7603	0.7689
West Bengal	0.9628	1.0029	1.0132	1.0256
Haryana	0.9462	0.9075	0.7995	0.8933
Assam	0.9093	0.9513	0.8593	0.9592
Orissa	0.7715	0.7494	0.7389	0.9137
<b>INDIA</b>	<b>0.7815</b>	<b>0.8082</b>	<b>0.8314</b>	<b>0.8897</b>

#### IV. Effect of Differing Structure or Employment

After adjusting population by urban and rural areas in each state by interpolating the census population figures, corresponding WPR estimates obtained from the NSSO reports are applied to get the total workers in the two areas. The sector-wise break-up of the work force in the two areas is then obtained by applying the composition given in NSSO reports (Appendix Table 2). Thus, the structure of the work force in both the areas individually is essentially the same as given in the NSSO reports. It is the structure of the work force in the economy as a whole that would change because of possible differences in the urban – rural population estimates. This would affect the sectoral productivity of workers in the economy as a whole because the GSDP estimates would remain the same but the estimates of workers would change.

It would be interesting to see the extent of variation in the employment structure in the major states from the average for the nation. We measure this by the Coefficient of Structural Difference (CSD) discussed in section II above. Table 3 presents CSD for major states in all the four base years in the urban areas, and Table 4 for the rural areas.

**Table 3: Coefficient of Structural Difference for Employment Structure between States and India in Urban Areas**

States	1993-94	1999-00	2004-05	2011-12
Andhra Pradesh	0.024	0.018	0.021	0.033
Bihar	0.033	0.028	0.070	0.051

Gujarat	0.031	0.009	0.049	0.065
Karnataka	0.021	0.018	0.016	0.029
Maharashtra	0.014	0.016	0.013	0.020
Tamil Nadu	0.029	0.023	0.026	0.028
Uttar Pradesh	0.016	0.017	0.024	0.027
Kerala	0.054	0.024	0.041	0.032
Madhya Pradesh	0.030	0.029	0.025	0.036
Punjab	0.027	0.018	0.019	0.020
Rajasthan	0.022	0.027	0.024	0.023
West Bengal	0.036	0.028	0.030	0.035
Haryana	0.012	0.039	0.015	0.020
Assam	0.085	0.084	0.079	0.070
Orissa	0.035	0.026	0.044	0.055
INDIA	0.000	0.000	0.000	0.000

*Source: See the text and Appendix Table 2*

From Table 3, it can be seen that the employment pattern within urban areas does not differ substantially in states from the corresponding national average in all the four base years. The maximum difference is observed in Assam in all the four years and it is declining over time. In 2011-12, the urban areas in Gujarat, Orissa and Bihar besides Assam show the structural difference in employment pattern above 0.05. In 1993-94, only two states – Assam and Kerala had the difference above 0.05. Thus, over last twenty years, the employment pattern in urban areas of the states has shown marginal divergence with a few states experiencing major changes.

Table 4 shows that the employment pattern within the rural areas of the major states is even closer to the national average in all the four years than observed for the urban areas in Table 3. Employment pattern in the rural areas of Kerala was substantially different from the national average in 1993-94 and the difference kept increasing over the last twenty years. The difference in the urban areas of Kerala on the other hand was fluctuating but overall declining over time. Thus, it is the rural area in Kerala that experienced substantial changes in the employment pattern compared to the nation. West Bengal is the only other state where employment pattern in the rural areas has been substantially different from the national average. However, the trend therein is overall is such that it is coming closer to the national

average over time. Thus, West Bengal shows relative stagnancy in its employment pattern, whereas Kerala reveals relatively greater vibrancy in its employment pattern in the rural areas.

**Table 4: Coefficient of Structural Difference for Employment Structure Between States and India in Rural Areas**

States	1993-94	1999-00	2004-05	2011-12
Andhra Pradesh	0.005	0.013	0.008	0.025
Bihar	0.025	0.017	0.023	0.020
Gujarat	0.010	0.015	0.018	0.045
Karnataka	0.011	0.023	0.033	0.032
Maharashtra	0.016	0.026	0.028	0.052
Tamil Nadu	0.035	0.037	0.034	0.053
Uttar Pradesh	0.006	0.003	0.004	0.009
Kerala	0.085	0.108	0.117	0.126
Madhya Pradesh	0.046	0.042	0.038	0.034
Punjab	0.019	0.017	0.025	0.048
Rajasthan	0.023	0.022	0.020	0.037
West Bengal	0.064	0.057	0.042	0.055
Haryana	0.032	0.030	0.034	0.026
Assam	0.019	0.050	0.026	0.033
Orissa	0.010	0.009	0.018	0.009
INDIA	0.000	0.000	0.000	0.000

*Source: See the text and Appendix Table 2*

In order to find out whether employment pattern in a state differs more from the national average in the urban area or rural area, we can take the difference between the Urban CSD (Table 3) and the Rural CSD (Table 4). This is presented in Table 5. Positive sign of the difference shows that the structural difference in the urban area of the state is more than in the rural area. Negative sign would show the opposite. The Table 5 shows a very interesting characteristic of the development in the country over the last twenty years. Its major state economies show a clear pattern of changes in employment structure more concentrated either in urban areas or in rural areas throughout the last twenty years. Very few states show fluctuating trend. Thus, Andhra Pradesh, Bihar, Gujarat, Uttar Pradesh, Assam and Orissa

show greater structural difference from the national average in the urban areas than in their rural areas. On the other hand, Karnataka, Maharashtra, Tamil Nadu, Kerala, Madhya Pradesh, West Bengal and Haryana display higher structural difference from the national average in their rural areas than in the urban areas. Thus, the structural changes in the work force at the national level in the urban and rural areas are driven respectively by these two groups of states.

**Table 5: Difference between Urban CSD and Rural CSD for Employment Structures**

States	1993-94	1999-00	2004-05	2011-12
Andhra Pradesh	0.020	0.005	0.013	0.008
Bihar	0.008	0.011	0.047	0.031
Gujarat	0.021	-0.006	0.031	0.020
Karnataka	0.010	-0.006	-0.017	-0.003
Maharashtra	-0.002	-0.010	-0.016	-0.032
Tamil Nadu	-0.007	-0.014	-0.007	-0.024
Uttar Pradesh	0.009	0.014	0.020	0.018
Kerala	-0.031	-0.084	-0.076	-0.094
Madhya Pradesh	-0.015	-0.013	-0.013	0.001
Punjab	0.007	0.001	-0.006	-0.028
Rajasthan	-0.001	0.005	0.004	-0.014
West Bengal	-0.028	-0.029	-0.012	-0.021
Haryana	-0.019	0.009	-0.019	-0.005
Assam	0.066	0.034	0.053	0.037
Orissa	0.025	0.016	0.026	0.045
INDIA	0.000	0.000	0.000	0.000

*Source: Tables 3 and 4 above*

We may now turn to examining the structural difference between the urban and rural employment patterns in the major states with the help of CSD in each of the four base years. Table 6 presents the results. It can be seen from the table that the employment structure of the urban and rural economies in all states, except Kerala, differ substantially in all the four base years. In 1993-94, the CSD between urban and rural areas was more than 0.24 in all states except Kerala, Tamil Nadu and West Bengal. The highest CSD was found in Assam followed by Madhya Pradesh in 1993-94. During the last twenty years there have been substantial

changes in the employment structure in the state economies. In 2011-12, CSD in Kerala is less than 0.1 and in Tamil Nadu, Punjab and Orissa it is less than 0.2. West Bengal and Haryana are also very close to 0.2. In several major economies, the structure of employment in the two areas is moving closer or is converging, but in two major economies of Gujarat and Maharashtra, the structural difference between urban and rural areas has remained almost constant over time. Now, both these are emerging as the states with highest structural differences between the two areas. It is not that the employment pattern in these economies has remained stagnant over time, but the changes in them have been of similar dimension in both the areas.

**Table 6: Coefficient of Structural Difference between Urban and Rural Employment Pattern in States and India**

	States	1993-94	1999-00	2004-05	2011-12
1	Andhra Pradesh	0.243	0.269	0.239	0.250
2	Bihar	0.284	0.273	0.229	0.236
3	Gujarat	0.278	0.276	0.283	0.282
4	Karnataka	0.250	0.278	0.283	0.242
5	Maharashtra	0.285	0.299	0.283	0.281
6	Tamil Nadu	0.227	0.231	0.223	0.168
7	Uttar Pradesh	0.256	0.266	0.246	0.222
8	Kerala	0.122	0.157	0.104	0.096
9	Madhya Pradesh	0.288	0.280	0.275	0.242
10	Punjab	0.260	0.255	0.245	0.194
11	Rajasthan	0.251	0.253	0.233	0.219
12	West Bengal	0.227	0.235	0.234	0.201
13	Haryana	0.240	0.244	0.213	0.205
14	Assam	0.304	0.245	0.274	0.229
15	Orissa	0.255	0.253	0.216	0.194
	INDIA	0.258	0.263	0.249	0.226

*Source: See the text and Appendix Table 2*

Now, we can consider the estimates of the URID based on the assumption of equal productivity per worker in urban and rural areas within each of the sectors considered. Details of the calculations of labor productivity by sectors in all areas are given in Appendix Table 3; and urban and rural incomes by the broad 9 sectors are given in Appendix Table 4 based on equal labor productivity assumption. Here we consider only the final outcome in terms of URID for the four base years in Table 7.

**Table 7: Urban – Rural Per Capita Income Differentials based on the same Labor Productivity by Sectors Assumption**

States	1993-94	1999-00	2004-05	2011-12
1.	2.	3.	4.	5.
Andhra Pradesh	1.7011	1.7977	1.7023	1.7774
Bihar	2.0011	2.6084	2.5619	2.2430
Gujarat	1.7856	2.1350	2.1181	1.9025
Karnataka	1.6644	1.9790	2.5408	2.1097
Maharashtra	2.2666	2.5982	2.8247	2.5202
Tamil Nadu	1.3992	1.6423	1.8447	1.4077
Uttar Pradesh	1.9303	1.9130	1.9739	1.8359
Kerala	1.3224	1.3511	1.2194	1.1331
Madhya Pradesh	2.2721	2.4533	2.2983	2.0684
Punjab	1.1798	1.3487	1.2647	1.1977
Rajasthan	1.9222	1.9865	2.0491	1.7392
West Bengal	1.6073	1.9053	1.8567	1.8024
Haryana	1.5172	1.4376	1.4333	1.6062
Assam	2.5320	1.7948	2.3819	2.2182
Orissa	2.2451	2.3827	1.9429	2.2150
India	1.9104	2.0702	2.1522	2.0737

Source: Appendix Table 4 and see the text

Table 7 shows what we call the floor estimates for the URID in major state economies in India over the last twenty years. Kerala and Punjab show the minimum URID over the period. The urban per capita income in these two states is not even 20% higher than the rural per capita income on account of only the structural factors. This indicates that the rural and urban areas in these two states are not very different from each other. The worker productivity, therefore, may also not be substantially higher in urban areas than the rural areas leading to the expectation that the true URID may not be very high in these two states. However, in the remaining states, the URID on account of the structural factors alone is substantial and is likely to be higher in practice with productivity differential in favor of urban areas. Table 7 also shows that the absolute contribution of the structural factors to the URID has a declining trend from 1999-00 to 2011-12 in Bihar, Gujarat, Tamil Nadu, Kerala, Madhya Pradesh, Punjab, and West Bengal. In the remaining states, the differential shows fluctuating trend.

It is possible for us to take the contribution of the WPRs out from the URID derived in Table 7 on the assumption of same productivity of urban and rural workers in different sectors. This would give us the contribution of the pure employment structure on the urban – rural per capita income differential. This can be achieved by deflating the estimates in Table 7 by the ones in Table 2 above cell by cell. Table 8 presents these estimates.

### Table 8: URID only due to Urban – Rural Differences in Employment Structure



States	1993-94	1999-00	2004-05	2011-12
1.	2.	3.	4.	5.
Andhra Pradesh	2.6015	2.7998	2.3624	2.5489
Bihar	2.5918	3.3144	2.9763	2.4380
Gujarat	2.5111	3.0880	2.8822	2.2146
Karnataka	2.3510	2.6332	3.5677	2.5249
Maharashtra	3.2726	3.6344	3.8324	3.3556
Tamil Nadu	1.8760	2.1438	2.3301	1.7417
Uttar Pradesh	2.3923	2.1710	2.2124	1.9575
Kerala	1.3364	1.4018	1.3147	1.1924
Madhya Pradesh	3.5407	3.5531	3.0401	2.5775
Punjab	1.3765	1.5665	1.5246	1.3214
Rajasthan	2.8689	2.7430	2.6950	2.2620
West Bengal	1.6694	1.8999	1.8325	1.7573
Haryana	1.6034	1.5841	1.7927	1.7981
Assam	2.7844	1.8867	2.7718	2.3126
Orissa	2.9101	3.1795	2.6294	2.4243
India	2.4444	2.5616	2.5886	2.3307

*Source: Table 7 and Table 2 above*

Table 8 shows that the effect of employment structure on the urban – rural income differential is very high in 11 out of the 15 major state economies in the country. Only in Kerala, Punjab, Haryana and West Bengal the employment structure per se leads to the URID of less than 2. In order to see the relative contribution of the three broad factors, viz., Worker rate, employment structure and labor productivity difference, we need to consider the estimates at the all India level, because we do have proper estimate of URID with all factors included. At the aggregate level, URID for the base years 1993-94, 1999-00 and 2004-05 are available as noted earlier. They are respectively 2.3388, 2.8253 and 2.6912. For the likely base year 2011-12, the estimates are yet not available for the country. Since our framework is multiplicative, we can consider the figures from our Tables 2, 7 and 8 together with these three estimates of URID for All India to get importance of individual factors. The labor productivity differential between the urban and rural areas works out to be 1.2242 in 1993-94; 1.3647 in 1999-00; and 1.2504 in 2004-05. As compared to this, the component of WPR works out to 0.7815 in 1993-94; 0.8082 in 1999-00; and 0.8314 in 2004-05. Similarly, the component of employment structure works out to 2.4444 in 1993-94; 2.5616 in 1999-00; and 2.5886 in 2004-05.

Thus, the employment structural factors appear to be very dominant in relation to other two factors in determining URID. Similarly, the labor productivity differential as a factor does not appear to play a very substantial role in determining the URID at the

aggregate level. It could be relatively more important in some states, but it seems unlikely that it would be a dominant factor in any state given the figures in Table 8 above.

Finally, based on our analysis above, we can predict the URID at All India level in the year 2011-12. Out of the three components, we already have two. WPR component is 0.8897, employment structure component is 2.3307 and the labor productivity component could be taken the same as in 2004-05, i.e. 1.2504. This would result in 2.5929 of URID in 2011-12, implying that urban per capita income would be Rs. 118,750 and rural per capita income would be Rs. 45,798 at the current prices.

## V. Our estimates of Urban and Rural Incomes by States

We may now attempt estimates of per capita incomes (GSDP) in urban and rural areas of the major states in India. Table 7 provides combined effect of WPR and employment structure on the URID, because it is derived on the assumption of the same labor productivity by sectors in urban and rural areas. As shown above, at the national level the contribution of the productivity differential is not very substantial in all the three latest base years for which the national estimate of URID is readily available. We may, therefore, take the component of productivity differential to remain the same across state as at the national level for the given year to derive the estimate of URID at state level. We may also derive our estimates of the URID for the 15 major states for the year 2011-12 by assuming the productivity differential component at the same level as observed for the nation in the year 2004-05. These estimates of URID so derived for all the four base years are presented in Table 9.

**Table 9: URID Estimates for Major States with All India Productivity Differential**

States	1993-94	1999-00	2004-05	2011-12
Andhra Pradesh	2.0825	2.4533	2.1286	2.2225
Bihar	2.4497	3.5597	3.2034	2.8046
Gujarat	2.1859	2.9136	2.6485	2.3789
Karnataka	2.0375	2.7007	3.1771	2.6379
Maharashtra	2.7748	3.5457	3.5320	3.1512
Tamil Nadu	1.7129	2.2413	2.3066	1.7602
Uttar Pradesh	2.3631	2.6106	2.4681	2.2956
Kerala	1.6189	1.8438	1.5247	1.4168
Madhya Pradesh	2.7814	3.3481	2.8738	2.5863
Punjab	1.4443	1.8406	1.5814	1.4976
Rajasthan	2.3531	2.7110	2.5622	2.1747
West Bengal	1.9676	2.6002	2.3216	2.2537
Haryana	1.8574	1.9619	1.7922	2.0084
Assam	3.0996	2.4493	2.9783	2.7736
Orissa	2.7485	3.2517	2.4295	2.7696
India	2.3387	2.8251	2.6912	2.5929

*Source: Table 7 and productivity component at national level*

Based on these estimates of URID, we can derive the estimates of the urban and rural per capita domestic products for the four base years using the estimates of the per capita GSDP for the states for the respective years available from the CSO website. The method to derive these estimates can be described as follows—

$$PCI = (UP/TP)(UI/UP) + (RP/TP)(RI/RP) \dots\dots\dots(5)$$

Where PCI is per capita GSDP; UP, RP and TP are respectively urban, rural and total population; and UI and RI are respectively urban and rural population.

$$\text{Since } URID = (UI/UP) / (RI/RP) \Rightarrow (UI/UP) = URID (RI/RP) \dots\dots\dots (6)$$

Replacing Eq. (6) in Eq. (5), we get

$$(RI/RP) = PCI / [URID (UP/TP) + (RP/TP)] \text{ and then } UI/UP = URID (RI/RP).$$

Table 10 presents our estimates of the urban and rural per capita incomes at current prices for the four base years. These estimates show that rankings of states according to per capita incomes undergo substantial changes from the rural economies to urban economies, particularly for the better performing states like Maharashtra, Tamil Nadu, Gujarat, Punjab, and Kerala. It helps to identify relatively weaker points in the development strategy of states. The table also shows that the inequality or disparity between the richest and the poorest states is about 4 times in rural incomes and only 3 times in urban incomes. Thus, with greater urbanization, regional disparity would tend to decline.

**Table 10: Our Estimates of Urban and Rural Per Capita Incomes for Major States in Four Base Years**

States	Estimated Rural Per Capita GSDP (in Rs.)				Estimated Urban Per Capita GSDP (in Rs.)			
	1993-94	1999-00	2004-05	2011-12	1993-94	1999-00	2004-05	2011-12
Andhra Pradesh	6427	12301	21171	54261	13385	30179	45064	120593
Bihar	2797	4972	7088	20800	6853	17699	22705	58336
Gujarat	7979	13136	22913	64499	17442	38274	60685	153434
Karnataka	6545	12466	16940	46997	13335	33666	53819	123975
Maharashtra	7950	12668	19267	53369	22061	44916	68050	168178
Tamil Nadu	7895	14135	21271	71648	13524	31680	49062	126113
Uttar Pradesh	4505	8171	11129	25937	10646	21332	27467	59541
Kerala	7579	18231	30792	75126	12270	33614	46948	106439
Madhya Pradesh	5182	8447	11598	29505	14413	28281	33329	76309
Punjab	12492	21961	30884	73417	18043	40421	48841	109953
Rajasthan	5363	10868	15318	47032	12620	29464	39247	102279
West Bengal	5885	11909	17892	42105	11579	30966	41539	94894
Haryana	10333	19807	33826	87614	19193	38861	60625	175960
Assam	5163	11276	15021	32821	16003	27618	44736	91033
Orissa	4515	8915	16490	39379	12410	28990	40061	109065
India	6364	11772	18127	45798	14885	33257	48782	118750

Source: see the text

## VI. Concluding Remarks

Estimates of urban and rural incomes at the state level are required not only to complete the regional accounts, but also to lend support to various developmental efforts undertaken by the government and private sector entities by properly evaluating and monitoring long term programs. They would also help in cross-checking and verifying several estimates generated out of national level surveys, quality of allocations of income and several other aggregates regularly and routinely carried out by the CSO to state bureaus, and internal consistency of several ratios, proportions and methods used by state bureaus for preparing regional accounts related aggregates. As we have shown in the paper, the sectoral productivity differentials are not likely to be overwhelmingly substantial for determining the urban – rural income differential (URID) in India. Hence we have derived the estimates of urban and rural income based on the productivity differential component of URID remaining the same for different states as at the national level for a given year. Very interesting patterns emerge from our estimates of separate rural and urban per capita incomes, proving the utility of such estimates for development strategy, planning and policies at the state level. If the Statistical Commission directs states to prepare such estimates and if CSO becomes more transparent in sharing data, it will serve a good cause.

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Appendix Table-1 : State wise Projected Population of Urban &amp; Rural areas

1993-94

Sr. No.	INDIA State/Uts	Rural	Urban	Total
1	Andhra Pradesh	50563	18718	69281
2	Bihar	80596	12262	92858
3	Gujarat	28389	15514	43904
4	Karnataka	32169	15017	47186
5	Maharashtra	50501	33387	83888
6	Tamil Nadu	36213	21286	57499
7	Uttar Pradesh	118862	30072	148935
8	Kerala	22044	7852	29895
9	Madhya Pradesh	53705	16648	70353
10	Punjab	14809	6599	21408
11	Rajasthan	36510	10923	47433
12	West Bengal	51748	19754	71501
13	Haryana	13143	4587	17730
14	Assam	20861	2742	23603
15	Odisha	28531	4585	33115
	INDIA	660866	236233	897100

1999-00(In Thousand)

Sr. No.	INDIA State/Uts	Rural	Urban	Total
1	Andhra Pradesh	55311	20155	75466
2	Bihar	72520	8456	80976
3	Gujarat	31459	18342	49801
4	Karnataka	34631	17466	52098
5	Maharashtra	55226	40219	95445
6	Tamil Nadu	34701	26816	61517
7	Uttar Pradesh	128825	33540	162365
8	Kerala	24272	7706	31979
9	Madhya Pradesh	43563	15525	59088
10	Punjab	15978	8071	24050
11	Rajasthan	42531	12871	55402
12	West Bengal	57317	21833	79150
13	Haryana	14885	5887	20772
14	Assam	22880	3354	26234
15	Odisha	30937	5384	36321
	INDIA	733893	278109	1012002

2004-05

Sr. No.	INDIA State/Uts	Rural	Urban	Total
1	Andhra Pradesh	55764	23550	79314
2	Bihar	80967	9792	90759
3	Gujarat	32882	21397	54279
4	Karnataka	35931	20027	55958
5	Maharashtra	58017	44746	102763
6	Tamil Nadu	35812	30257	66069
7	Uttar Pradesh	140581	38214	178795
8	Kerala	20904	10748	31652
9	Madhya Pradesh	47480	17493	64973
10	Punjab	16574	9055	25629
11	Rajasthan	46420	14643	61063
12	West Bengal	59495	24902	84397
13	Haryana	15613	7081	22694
14	Assam	24591	3795	28386
15	Odisha	32712	6070	38781
	INDIA	777483	319532	1097015

2011-12

Sr. No.	INDIA State/Uts	Rural	Urban	Total
1	Andhra Pradesh	56404	29245	85648
2	Bihar	94069	12088	106157
3	Gujarat	34978	26512	61491
4	Karnataka	37830	24229	62058
5	Maharashtra	62154	51919	114073
6	Tamil Nadu	37424	35800	73224
7	Uttar Pradesh	157675	45609	203283
8	Kerala	16939	17012	33951
9	Madhya Pradesh	53432	20523	73955
10	Punjab	17444	10628	28072
11	Rajasthan	52447	17525	69972
12	West Bengal	62679	29906	92585
13	Haryana	16690	9151	25841
14	Assam	27195	4508	31703
15	Odisha	35362	7173	42535
	INDIA	842734	387663	1230398



**Appendix Table-2(a) : Statewise and sectorwise break-up of Work Force in Urban & Rural Areas - 1993-94 & 1999-00**  
**1993-94**

(In Numbers)

State →		Andhra Pradesh				Bihar				Gujarat			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		23084463	1151906	24236368	1926327	23876166	372820	24248986	1109513	10903070	430678	11333748	1101499
Mining & Quarrying		203515	133452	336968	141197	141446	123193	264639	3354	69270	32301	101571	151018
Manufacturing		2006081	1341549	3347629	837239	961836	541400	1503236	121232	1274565	1668877	2943442	1390435
Electricity, Water, etc.		0	77262	77262	143866	84868	119951	204819	28052	27708	37684	65392	144747
Construction		494252	554881	1049133	287294	367761	152370	520131	77202	332495	349926	682421	224331
Trade, Hotel & Restaurant		1308313	1390715	2699029	756185	1273018	745640	2018658	334743	401765	969026	1370791	520016
Transport etc.		290736	611072	901808	376765	282893	269079	551972	108726	207809	425295	633104	329603
Other Services	Fin. Inter. Business act etc.	58147	196667	254814	587205	28289	84290	112579	139460	41562	118436	159998	643844
	Pub. Admin. Educn. Comm. Serv. Etc.	1628123	1573335	3201458	730586	1273018	914220	2187238	358916	595720	1351252	1946973	413936
Total		29073630	7030839	36104469	5786664	28289297	3322961	31612258	2281198	13853964	5383475	19237440	4919429

**1999-00**

State →		Andhra Pradesh				Bihar				Gujarat			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		23622962	666328	24289290	3712588	19756394	245175	20001569	1680995	12527143	594818	13121960	1770000
Mining & Quarrying		239827	56112	295939	359208	122558	96720	219279	9444	62793	31639	94432	275600
Manufacturing		1678789	1360711	3039500	1613417	1495211	402627	1897838	361406	1083174	1556650	2639824	3378600
Electricity, Water, etc.		29978	35070	65048	382678	24512	26992	51503	71853	31396	31639	63036	297200
Construction		659524	806607	1466131	704560	539256	112466	651722	190330	423851	506228	930078	632100
Trade, Hotel & Restaurant		1379005	1788563	3167569	1688507	1103024	661297	1764322	754097	612229	1708519	2320747	1343900
Transport etc.		509632	645286	1154918	938905	343163	157452	500615	372397	376756	531539	908295	706800
Other Services	Fin. Inter. Business act etc.	59957	294587	354544	49023	76477	125500	125270	391539	31396	234130	265527	1402700
	Pub. Admin. Educn. Comm. Serv. Etc.	1798703	1360711	3159414	1078513	470106	1548619	1549214	1185314	549436	1132685	1682121	1179200
Total		29978379	7013974	36992353	12879712	24511655	2249310	26760966	5017375	15698174	6327847	22026021	10986100

Appendix Table-2(a) : Statewise and sectorwise break-up of Work Force in Urban &amp; Rural Areas - 1993-94 &amp; 1999-00 (Contd....)

1993-94

(In Numbers)

State →		Karnataka				Maharashtra				Tamil Nadu			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		13521376	912374	14433750	1461309	21389100	1105383	22494483	2209696	13741349	1043942	14785291	1384302
Mining & Quarrying		116420	137406	253826	30837	103831	59429	163260	75172	78076	25671	103747	42173
Manufacturing		1114308	1269629	2383936	733822	1297882	2959573	4257456	2847028	2517946	2558513	5076459	1509247
Electricity, Water, etc.		33263	82443	115706	100636	51915	106973	158888	308215	39038	59898	98936	129468
Construction		249472	351759	601230	209088	622983	665607	1288590	558095	448936	641768	1090704	300252
Trade, Hotel & Restaurant		615364	934359	1549723	449167	856602	2329624	3186226	1288277	936910	1591584	2528494	749813
Transport etc.		116420	351759	468179	187704	285534	1105383	1390917	875183	390379	650324	1040704	423289
Other Services	Fin. Inter. Business act etc.	33263	225345	258608	481229	103831	594292	698122	2149253	156152	256707	412859	632969
	Pub. Admin. Educn. Comm. Serv. Etc.	831573	1231155	2062728	454113	1245967	2959573	4205540	1021045	1210176	1728494	2938670	583389
Total		16631459	5496228	22127687	4107905	25957646	11885837	37843482	11331964	19518961	8556901	28075863	5754902

1999-00

State →		Karnataka				Maharashtra				Tamil Nadu			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		13846574	690400	14536975	3115364	22105229	793192	22898421	3890490	12087397	937927	13025324	2266413
Mining & Quarrying		134924	19178	154102	55106	26729.42	41747	68476	196566	89009	42154	131163	64430
Manufacturing		910737	1521438	2432174	1410429	1309742	3256261	4566003	5116037	2474445	2971859	5446304	2653706
Electricity, Water, etc.		0	31963	31963	254072	53458.84	97410	150868	686670	35604	73770	109373	374475
Construction		252982	632867	885849	702014	614776.6	1099336	1714113	1325292	712071	769311	1481382	939541
Trade, Hotel & Restaurant		758947	1687645	2446592	1138228	1015718	3618068	4633786	3483457	996899	2666242	3663141	2054383
Transport etc.		252982	479445	732427	563368	481129.5	1544637	2025766	2028618	462846	927389	1390234	1184772
Other Services	Fin. Inter. Business act etc.	67462	332415	399877	1590310	80188.26	821023	901211	5020055	106811	432079	538889	1834162
	Pub. Admin. Educn. Comm. Serv. Etc.	640889	997245	1638134	1295853	1042447	2643973	3686420	3035838	836683	1717777	2554459	2046637
Total		16865499	6392595	23258093	10124744	26729418	13915647	40645065	24783023	17801763	10538507	28340270	13418519

**Appendix Table-2(a) : Statewise and sectorwise break-up of Work Force in Urban & Rural Areas - 1993-94 & 1999-00 (Contd....)**  
**1993-94**

(In Numbers)

State →		Uttar Pradesh				Kerala				Madhya Pradesh			
Sector ↓	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	
Agriculture etc.	35943938	1366638	37310576	3140123	4736799	748910	5485709	798392	23850924	860207	24711130	1510151	
Mining & Quarrying	89860	9172	99032	61529	125979	14801	140779	6763	318366	126656	445022	129815	
Manufacturing	2875515	2164608	5040123	1099046	1075018	556502	1631520	304906	848976	897148	1746124	482839	
Electricity, Water, etc.	44930	91721	136651	288685	25196	17761	42956	31192	53061	68605	121666	128060	
Construction	898598	376055	1274653	338208	478719	236809	715529	206618	238775	284976	523751	192060	
Trade, Hotel & Restaurant	1931987	1990338	3922325	1086811	755872	494340	1250212	459231	424488	965753	1390242	420438	
Transport etc.	673949	660389	1334338	429833	335943	230889	566832	197829	132653	448574	581227	218120	
Other Services	Fin. Inter. Business act etc.	89860	302678	392538	754841	92384	88804	181188	292226	0	147766	147766	324457
	Pub. Admin. Educn. Comm. Serv. Etc.	2381286	2210468	4591754	846033	772669	571303	1343972	335445	663263	1477656	2140918	391158
Total		44929923	9172066	54101989	8045109	8398580	2960118	11358698	2632602	26530505	5277341	31807846	3797098

**1999-00**

State →		Uttar Pradesh				Kerala				Madhya Pradesh			
Sector ↓	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	
Agriculture etc.	33911166	917658	34828824	6026078	4518224	273075	4791299	1553558	17529820	762696	18292516	2383910	
Mining & Quarrying	44445	0	44445	183627	159688	8623	168311	28833	80504	89146	169651	287944	
Manufacturing	3466672	2600032	6066704	2295323	1183568	580644	1764212	666932	805043	901368	1706411	984613	
Electricity, Water, etc.	44445	40785	85229	677659	18787	14372	33159	113350	20126	19810	39936	204786	
Construction	1466669	632165	2098834	843492	882979	307569	1190548	652884	362270	391253	753523	464589	
Trade, Hotel & Restaurant	2400004	3007880	5407884	2245949	1117814	876714	1994529	1493136	543404	1302526	1845931	1202511	
Transport etc.	933335	764715	1698050	1214632	582391	250079	832470	597151	140883	406111	546993	479165	
Other Services	Fin. Inter. Business act etc.	133334	285494	418827	1758398	169081	126477	295558	834839	20126	118862	138988	819859
	Pub. Admin. Educn. Comm. Serv. Etc.	2044448	1947475	3991923	2270777	760865	436920	1197785	976164	623909	960799	1584708	1185833
Total		44444516	10196203	54640719	17515935	9393396	2874473	12267870	6916847	20126085	4952572	25078657	8013210

Appendix Table-2(a) : Statewise and sectorwise break-up of Work Force in Urban &amp; Rural Areas - 1993-94 &amp; 1999-00 (Contd....)

1993-94

(In Numbers)

State →		Punjab				Rajasthan				West Bengal			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		4330520	206214	4536734	1395074	14585783	589139	15174923	1120266	12335784	364690	12700474	1729045
Mining & Quarrying		0	0	0	423	328591	32933	361524	75689	38914	150167	189081	78988
Manufacturing		284444	536600	821044	454512	657182	709895	1367077	404575	3132589	2159539	5292127	899699
Electricity, Water, etc.		69660	35478	105138	77042	36510	58548	95058	121075	19457	71508	90965	96720
Construction		203175	110868	314042	126752	1277853	303718	1581571	297273	466970	378992	845962	233352
Trade, Hotel & Restaurant		284444	567643	852087	365762	438121	651347	1089468	427155	1459280	1265690	2724970	603544
Transport etc.		150930	130824	281754	100287	182550	303718	486268	168805	525341	593516	1118857	389537
Other Services	Fin. Inter. Business act etc.	23220	59869	83089	246944	36510	128074	164584	326356	77828	264579	342408	655890
	Pub. Admin. Educn. Comm. Serv. Etc.	458594	569860	1028454	258018	711947	881880	1593826	355776	1400909	1902110	3303019	655639
Total		5804987	2217355	8022342	3024814	18255048	3659251	21914299	3296970	19457072	7150790	26607863	5342414

1999-00

State →		Punjab				Rajasthan				West Bengal			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		4756140	247875	5004015	2520771	14738871	536289	15275160	2454366	12722374	229244	12951618	4094040
Mining & Quarrying		0	0	0	543	265565	99775	365340	193764	60011	61132	121143	163795
Manufacturing		386518	641057	1027575	1003007	815665	873029	1688694	1074885	3320620	1963855	5284475	1355826
Electricity, Water, etc.		52409	34190	86599	231173	37938	24944	62882	342365	20004	91698	111701	217964
Construction		347211	182345	529556	293846	1498547	444829	1943376	719543	440082	489053	929136	658030
Trade, Hotel & Restaurant		379967	894631	1274598	817678	663913	893816	1557729	1161379	1700317	1940931	3641248	1999715
Transport etc.		248944	242177	491121	315837	322472	324268	646740	419613	660123	855843	1515967	1017482
Other Services	Fin. Inter. Business act etc.	19653	96871	116524	612537	56907	153819	210726	808609	80015	320941	400956	1955280
	Pub. Admin. Educn. Comm. Serv. Etc.	360314	509997	870310	920805	569068	806513	1375581	1097446	1000187	1688763	2688949	2075478
Total		6551156	2849143	9400300	6716197	18968946	4157282	23126228	8271970	20003733	7641459	27645192	13537610

Appendix Table-2(a) : Statewise and sectorwise break-up of Work Force in Urban &amp; Rural Areas - 1993-94 &amp; 1999-00 (Contd....)

1993-94

(In Numbers)

State →		Haryana				Assam				Odisha			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		3515333	179211	3694545	934130	5832300	26402	5858702	596306	10189303	245452	10434755	738395
Mining & Quarrying		29335	3229	32564	5227	14728	53684	68412	113442	138716	32831	171547	94870
Manufacturing		195568	402015	597583	414039	257741	91527	349267	132442	807073	259523	1066596	197867
Electricity, Water, etc.		19557	9687	29244	12000	22092	5280	27372	23731	12611	31268	43878	54783
Construction		210236	132390	342626	154581	51548.1	24642	76190	69961	226989	89113	316103	113986
Trade, Hotel & Restaurant		259127	305144	564271	255778	508117	255218	763335	244111	554863	254832	809695	171010
Transport etc.		171122	122703	293825	144353	95732.2	66005	161737	59783	88274	156339	244613	127833
Other Services	Fin. Inter. Business act etc.	9778	35519	45298	133027	14728	17601	32329	91873	12611	32831	45442	157005
	Pub. Admin. Educn. Comm. Serv. Etc.	479141	424618	903759	159995	567029	339704	906734	182668	580084	461200	1041284	197917
Total		4889198	1614516	6503714	2213130	7364015	880063	8244079	1514317	12610523	1563389	14173912	1853666

1999-00

State →		Haryana				Assam				Odisha			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		3533138	168217	3701355	1630210	5397942	66803	5464745	1226553	10233618	221876	10455495	1314579
Mining & Quarrying		20601	33274	53875	15749	23955	5567	29522	192474	52346	25601	77947	203293
Manufacturing		375975	382648	758624	1041139	319405	80164	399569	266812	1073090	332814	1405905	441060
Electricity, Water, etc.		46353	9243	55596	74327	7985	6680	14665	34272	13086	15361	28447	156398
Construction		334773	110913	445685	345067	143732	57896	201628	143621	418767	172381	591148	274576
Trade, Hotel & Restaurant		309021	676567	985587	676518	646795	334016	980811	401296	601978	399377	1001355	378592
Transport etc.		169961	127549	297511	331488	215598	92411	308009	226619	143951	122885	266836	295962
Other Services	Fin. Inter. Business act etc.	30902	48062	78964	489126	23955	62350	86305	231302	26173	52909	79082	398570
	Pub. Admin. Educn. Comm. Serv. Etc.	329622	292070	621692	533866	1205753	407500	1613253	760370	523459	363536	886994	835578
Total		5150347	1848543	6998889	5137490	7985121	1113388	9098508	3483319	13086469	1706740	14793209	4298608

Appendix Table-2(b) : Statewise and sectorwise break-up of Work Force in Urban &amp; Rural Areas - 2004-05 &amp; 2011-12

2004-05

(In Numbers)

State →		Andhra Pradesh				Bihar				Gujarat			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		21780806	923167	22703973	5634388	19956773	546012	20502785	2452979	13022391	500134	13522526	3270600
Mining & Quarrying		364025	129243	493268	627057	25586	5327	30913	4211	84342	88734	173075	702600
Manufacturing		2608843	1800175	4409018	2733077	1458380	308963	1767342	437930	1315734	3000806	4316540	5544300
Electricity, Water, etc.		30335	18463	48799	576248	25586	5327	30913	114640	16868	48400	65268	585300
Construction		1001068	821619	1822686	1519343	639640	186443	826083	513809	506051	516268	1022319	1302400
Trade, Hotel & Restaurant		2002135	2280222	4282358	3045851	1918920	876282	2795203	1628606	792814	1887604	2680418	3368100
Transport etc.		788720	1033947	1822667	1779173	562883	186443	749326	461221	455446	588868	1044314	1433500
Other Services	Fin. Inter. Business act etc.	121342	452352	573693	3526848	51171	130510	181681	662644	50605	290401	341006	2471700
	Pub. Admin. Educn. Comm. Serv. Etc.	1638111	1772480	3410591	3029331	946667	418165	1364833	1502077	624130	1145469	1769599	1658800
Total		30335385	9231669	39567053	22471316	25585606	2663472	28249078	7778117	16868383	8066683	24935066	20337300

2011-12

State →		Andhra Pradesh				Bihar				Gujarat			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		20465635	522672	20988307	7813508	17480540	286003	17766543	6510184	11657681	436755	12094435	12195600
Mining & Quarrying		229653	142644	372297	1179356	20693	3059	23752	11557	75049	55994	131044	1161800
Manufacturing		2287699	1748982	4036682	4870994	1241589	463722	1705311	1270471	1293039	4007146	5300186	16319500
Electricity, Water, etc.		58885	84096	142981	933866	2587	6729	9316	250191	6254	382796	389051	1663100
Construction		1963829	1292310	3256139	3024906	2677177	255720	2932896	3288934	675445	573177	1248622	4075700
Trade, Hotel & Restaurant		1804839	2338718	4143557	5308508	2141741	1041233	3182974	5869479	828671	2368044	3196715	10685700
Transport etc.		951000	1124118	2075118	4897342	628554	185672	814226.7	1156153	436225	562996	999221	3846500
Other Services	Fin. Inter. Business act etc.	197266	870765	1068032	7622459	129332	136119	265451	2345200	35961	442863	478824	6574600
	Pub. Admin. Educn. Comm. Serv. Etc.	1483913	2520749	4004662	4853674	1546813	679983	2226796	3997306	626976	1350987	1977962	4654200
Total		29442721	10645054	40087774	40504613	25869027	3058239	28927266	24699475	15635302	10180758	25816059	61176700



**Appendix Table-2(b) : Statewise and sectorwise break-up of Work Force in Urban & Rural Areas - 2004-05 & 2011-12 (Contd....)**  
**2004-05**

(In Numbers)

State →		Karnataka				Maharashtra				Tamil Nadu			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		15793892	633886	16427779	3118984	24151214	1168399	25319613	4492660	12328365	1049735	13378100	2436179
Mining & Quarrying		77898	23191	101089	192570	90680	120276	210957	349088	56726	50590	107315.3	163329
Manufacturing		1207425	1677479	2884904	3059886	1692701	4158125	5850826	8547610	2647195	3908051	6555246	4343267
Electricity, Water, etc.		0	61843	61843	370448	30227	103094	133321	791220	18909	63237	82146	459283
Construction		408966	749841	1158807	1425971	876577	1512045	2388623	2614277	1077786	897966	1975753	1965382
Trade, Hotel & Restaurant		876357	2079456	2955812	2313861	1420660	3969119	5389779	6715578	1210146	2820373	4030520	3736070
Transport etc.		389492	641616	1031108	1159170	695216	1563592	2258809	3292887	529439	999146	1528585	2030065
Other Services	Fin. Inter. Business act etc.	38949	510201	549150	3180786	151134	1288675	1439809	10068765	151268.3	847377	998645	3884936
	Pub. Admin. Educn. Comm. Serv. Etc.	681611	1352806	2034416	1853036	1118392	3299008	4417400	4675885	888701.1	2010939	2899640	2881812
Total		19474590	7730318	27204908	16674713	30226801	17182333	47409135	41547969	18908535	12647414	31555949	21900322

**2011-12**

State →		Karnataka				Maharashtra				Tamil Nadu			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		11954532	707912	12662444	7464271	23287168	858278	24145446	14917729	9290323	1477876	10768199	8730109
Mining & Quarrying		56189	27333	83521	361610	30204	41682	71886	445303	92540	94034	186574	383343
Manufacturing		1595413	1678216	3273629	7146958	1782027	4196657	5978684	23261099	2651008	3949424	6600432	12541628
Electricity, Water, etc.		39162	75620	114782	996635	27183	197044	224227	2206152	107056	113683	220739	437337
Construction		737261	879196	1616457	4358364	1558519	1527090	3085609	7707630	2814315	1169108	3983423	7233363
Trade, Hotel & Restaurant		1047150	2230332	3277482	6387319	1464887	4064031	5528918	17447383	1239315	3021717	4261031	10927609
Transport etc.		555074	577627	1132701	2906292	588975	1801815	2390790	8272729	675000	972619	1647619	4911062
Other Services	Fin. Inter. Business act etc.	136215	1191697	1327912	10832470	202365.8	1832130	2034495	31378091	226815	1080688	1307503	12510878
	Pub. Admin. Educn. Comm. Serv. Etc.	902422	1741992	2644413	5606793	1265541	4431594	5697135	14318646	1054234	2154359	3208593	8855885
Total		17023417	9109923	26133340	46060712	30206870	18950321	49157191	119954764	18150605	14033509	32184114	66531214

Appendix Table-2(b) : Statewise and sectorwise break-up of Work Force in Urban &amp; Rural Areas - 2004-05 &amp; 2011-12 (Contd....)

2004-05

(In Numbers)

State →		Uttar Pradesh				Kerala				Madhya Pradesh			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		37917038	1328116	39245155	7757076	3511941	626022	4137963	2084375	17979319	734481	18713801	3123830
Mining & Quarrying		104311	12649	116960	273948	108703	19937	128640	45778	152552	115332	267884	544934
Manufacturing		4641838	3592239	8234077	3518745	1145562	661909	1807471	1022058	1089656	1220089	2309744	1255729
Electricity, Water, etc.		52155	63244	115399	358454	16724	15950	32673	218290	21793	36421	58214	332722
Construction		2764241	936006	3700247	1914862	886347	466526	1352873	1448764	784552	443117	1227669	932423
Trade, Hotel & Restaurant		3233640	3364562	6598202	3382460	1020135	897166	1917301	2387056	871725	1541804	2413528	1534159
Transport etc.		1095265	1138386	2233651	2024348	585323	410703	996026	1183377	152552	418836	571388	663813
Other Services	Fin. Inter. Business act etc.	208622	430057	638679	3324925	209044	223295	4323396	1907960	43586	218523	262110	1334444
	Pub. Admin. Educn. Comm. Serv. Etc.	2138375	1783471	3921846	3529248	877985	665897	1543882	1628742	697380	1341490	2038870	1570635
Total		52155486	12648728	64804214	26084066	8361764	3987405	12349168	11926400	21793114	6070093	27863207	11292689

2011-12

State →		Uttar Pradesh				Kerala				Madhya Pradesh			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		33948315	1292798	35241113	19944676	2033471	537889	2571360	4762404	15609469	739761	16349230	8009283
Mining & Quarrying		234494	112794	347288	454158	46598	17909	64507	195005	121171	52030	173201	1030650
Manufacturing		4577960	4158934	8736894	8397969	803810	1009700	1813510	2291924	1040775	1045939	2086714	3655287
Electricity, Water, etc.		106588	190883	297471	371563	22004	53727	75732	391560	19474	68039	87513	982235
Construction		7125416	1424392	8549807	5665621	1194065	863340	2057405	3951143	2793433	793126	3586558	3155963
Trade, Hotel & Restaurant		3250938	3516873	6767811	8220922	881473	1422844	2304316	7141627	913113	1713658	2626771	3681576
Transport etc.		1396304	702796	2099101	5464222	515163	504541	1019705	3045623	283454	512964	796418	1662402
Other Services	Fin. Inter. Business act etc.	250482	514805	765288	8992033	190921	497748	688669	5515491	88715	320852	409567	4222053
	Pub. Admin. Educn. Comm. Serv. Etc.	2403562	2543660	4947222	10389527	783100	1267838	2050937	4225791	770304	1423490	2193794	4569242
Total		53294058	14457936	67751993	67900691	6470605	6175536	12646141	31520567	21639908	6669860	28309768	30968691

**Appendix Table-2(b) : Statewise and sectorwise break-up of Work Force in Urban & Rural Areas - 2004-05 & 2011-12 (Contd...)**  
**2004-05**

(In Numbers)

State →		Punjab				Rajasthan				West Bengal			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		4885997	194214	5080211	3161249	15532747	710348	16243095	3272993	14160534	267741	14428275	4993552
Mining & Quarrying		7293	0	7293	2184	255683	35773	291456	271698	45097	95622	140719	284921
Manufacturing		539648	872316	1411964	1466020	1235802	1165175	2400977	1597671	3044064	2639164	5683228	2326158
Electricity, Water, etc.		51048	49376	100424	297123	42614	91988	134601	482366	22549	47811	70360	414370
Construction		641743	217256	858999	632587	2045465	505931	2551396	1552004	879396	592856	1472252	1493996
Trade, Hotel & Restaurant		466722	921692	1388415	1187939	873584	1149844	2023428	1760954	2142119	2218427	4360547	3273915
Transport etc.		255239	260049	515288	615745	447445	321956	769402	699321	811750	1013592	1825342	1858294
Other Services	Fin. Inter. Business act etc.	58340	134962	193302	987444	42614	255521	298135	1522770	202938	497234	700171	2871073
	Pub. Admin. Educn. Comm. Serv. Etc.	386504	648476	1034981	1333560	830970	873882	1704851	1614788	1240174	2189741	3429915	3349357
Total		7292533	3298342	10590875	9683851	21306923	5110418	26417341	12774565	22548621	9562187	32110809	20865636

**2011-12**

State →		Punjab				Rajasthan				West Bengal			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		3708941	222931	3931872	7700732	13519028	389516	13908544	12122565	13007023	283512	13290535	12193127
Mining & Quarrying		0	0	0	3658	229023	58256	287279	1757037	73334	102878	176212	270286
Manufacturing		790372	1088060	1878432	4512179	1147339	1429558	2576897	5129648	4759382	3753846	8513228	5141267
Electricity, Water, etc.		79320	89172	168493	466962	44470	113656	158127	1398129	14667	125607	140274	989117
Construction		1146606	287073	1433679	1761875	4511531	823010	5334541	3263520	2060688	736893	2797581	3396694
Trade, Hotel & Restaurant		413600	858871	1272471	3042986	1076186	1209670	2285856	5833689	1818685	2594676	4413361	9060027
Transport etc.		252126	277686	529812	1379014	580340	340398	920738	2026730	862898	949826	1812724	4040075
Other Services	Fin. Inter. Business act etc.	87111	228407	315517	2832263	80047	321551	401598	4617637	166224	736893	903117	7734255
	Pub. Admin. Educn. Comm. Serv. Etc.	604110	858871	1462982	4100973	1049503	1027477	2076981	5526515	1681795	2678413	4360208	10408042
Total		7082186	3911072	10993258	25800642	22237467	5713093	27950560	41675470	24444697	11962543	36407239	53232890

**Appendix Table-2(b) : Statewise and sectorwise break-up of Work Force in Urban & Rural Areas - 2004-05 & 2011-12 (Contd...)**  
**2004-05**

(In Numbers)

State →		Haryana				Assam				Odisha			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		4249994	268836	4518829	2212502	7143988	61204	7205193	1365566	10187335	281789.1	10469124	1825698
Mining & Quarrying		6620	4801	11421	19480	28845	16576	45421	467925	118285	20273	138558	586186
Manufacturing		589174	638485	1227659	2045451	298067	124959	423025	562146	1641211	283816	1925027	936979
Electricity, Water, etc.		33100	21603	54703	161217	9615	34427	44042	98412	14786	22300	37086	319737
Construction		549454	156021	705475	925679	240376	70130	310506	342026	813212	212862.3	1026075	809272
Trade, Hotel & Restaurant		496495	607281	1103776	1549223	865355	351924	1217280	752981	990641	486542.4	1477183	829815
Transport etc.		264797	165622	430419	775329	230761	160661	391423	329700	295714	174344.3	470058	586022
Other Services	Fin. Inter. Business act etc.	52959	100813	153773	1148276	19230	29327	48557	308480	59143	109472	168615	757657
	Pub. Admin. Educn. Comm. Serv. Etc.	377336	436858	814194	742355	778820	425879	1204699	1112535	665356	435860.9	1101217	1121577
Total		6619927.7	2400321	9020248	9579512	9615059	1275088	10890147	5339771.3	14785682	2027260	16812941	7772943

**2011-12**

State →		Haryana				Assam				Odisha			
Sector ↓		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		3437185	181600	3618784	6521759	5785579	65408	5850987	3110857	9177501	385288.3	9562790	3755451
Mining & Quarrying		10101	0	10101	9807	16789	58882	75670	809645	73715	22953	96668	2278804
Manufacturing		582866	645784	1228650	5480767	512056	140456	652512	1023186	1416800	290742.3	1707542	2988210
Electricity, Water, etc.		11289	38997	50286	316943	1865	6229	8095	136501	32435	44267	76702	495204
Construction		849641	312561	1162202	2640917	612788	117912	730700	1011812	1814860	273527.3	2088387	1996470
Trade, Hotel & Restaurant		401054	598056	999111	6264806	1197595	501161	1698757	1719930	1045277	727402.4	1772679	2813391
Transport etc.		213896	182764	396659	2478826	302197	101597	403794	892436	358254	254946.1	613200	1908924
Other Services	Fin. Inter. Business act etc.	49909	332350	382259	4105393	46635	71192	117827	775175	53075	184446.5	237521	2142089
	Pub. Admin. Educn. Comm. Serv. Etc.	385606	617846	1003452	2721278	852494	420329	1272823	3174824	774006	549240.7	1323247	3211401
Total		5941547	2909958	8851505	30540496	9327999	1483164	10811163	12654365	14745923	2732814	17478737	21589944

Appendix Table-2(c) : Sectorwise break-up of Work Force in Urban &amp; Rural Areas - All India

(In Numbers)

State → Sector ↓		1993-94				2004-05			
		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		230044961	10082669	240127630	24243800	248136014	10253104	258389118	56030800
Mining & Quarrying		1760548	983675	2744223	1970200	1706575	932100	2638675	8495400
Manufacturing		20539729	19345609	39885338	12669700	27646516	28662087	56308603	45322500
Electricity, Water, etc.		586849	819729	1406579	1896800	682630	815588	1498218	6190500
Construction		7042193	5164294	12206487	4043300	16724436	9321004	26045439	22993200
Trade, Hotel & Restaurant		12617262	15902746	28520008	11099500	20820216	28662087	49482303	47729900
Transport etc.		4107946	6475861	10583806	5799000	8532875	10020079	18552954	25059800
Other Services	Fin. Inter. Business act etc.	880274	2787079	3667353	8958300	1706575	6175165	7881740	43578400
	Pub. Admin. Educn. Comm. Serv. Etc.	15844934	20411257	36256191	9227100	15359176	21787846	37147022	41359400
Total		293424695	81972920	375397615	79907700	341315013	116629061	457944073	296759900

State → Sector ↓		1999-00				2011-12			
		Rural WF	Urban WF	Total WF	Total GSDP	Rural WF	Urban WF	Total WF	Total GSDP
Agriculture etc.		233197453	8247612	241445065	45406100	215536884	9205889	224742773	146575300
Mining & Quarrying		1530167	749783	2279950	4159400	1580380	1032050	2612430	20107600
Manufacturing		22646472	21275091	43921563	26411300	29052085	32502707	61554792	120208600
Electricity, Water, etc.		612067	656060	1268126.9	4473200	773377	1788887	2562265	14481700
Construction		10099102	7497829	17596932	10514900	37155734	12824946	49980680	68520400
Trade, Hotel & Restaurant		15607704	25211452	40819155	25414300	21789064	32186211	53975275	150711000
Transport etc.		6426701	8153890	14580591	13175400	9616778	10210418	19827197	59544800
Other Services	Fin. Inter. Business act etc.	918100	3842638	4760737.8	23275200	2353757	9921444	12275201	138448100
	Pub. Admin. Educn. Comm. Serv. Etc.	14995637	18088514	33084150	26399400	18392929	27947924	46340853	116752000
Total		306033402	93722869	399756271	179229200	336250989	137620478	473871467	835349500

**Appendix Table 3(a): Statewise & Sectorwise Labour Productivity in All Areas - 1993-94 & 1999-00****1993-94****(In Rs.)**

State → Sector ↓	Andhra Pradesh	Bihar	Gujarat	Karnataka	Maharashtra	Tamil Nadu	Uttar Pradesh	Kerala	Madhya Pradesh	Punjab	Rajasthan	West Bengal	Haryana	Assam	Orissa	India	
Agriculture etc.	7948	4576	9719	10124	9823	9363	8416	14554	6111	30751	7382	13614	25284	10178	7076	10096	
Mining & Quarrying	41902	1267	148683	12149	46044	40650	62130	4804	29170	0	20936	41775	16051	165822	55303	71794	
Manufacturing	25010	8065	47238	30782	66872	29730	21806	18688	27652	55358	29594	17001	69286	37920	18551	31765	
Electricity, Water, etc.	186205	13696	221352	86975	193983	130860	211258	72613	105255	73277	127369	106327	41034	86697	124852	134852	
Construction	27384	14843	32873	34777	43311	27528	26533	28876	36670	40361	18796	27584	45117	91825	36060	33124	
Trade, Hotel & Restaurant	28017	16582	37935	28984	40433	29655	27708	36732	30242	42925	39208	22149	45329	31980	21120	38918	
Transport etc.	41779	19698	52061	40092	62921	40673	32213	34901	37528	35594	34714	34816	49129	36963	52259	54791	
Other Services	Fin. Inter. Business act etc.	230444	123877	402407	186084	307862	153314	92298	161283	219576	297206	198292	191552	293672	284179	345509	244272
	Pub. Admin. Educn. Comm. Serv. Etc.	22820	16410	21260	22015	24279	19852	18425	24959	18271	25088	22322	19850	17703	20146	19007	25450

**1999-00**

State → Sector ↓	Andhra Pradesh	Bihar	Gujarat	Karnataka	Maharashtra	Tamil Nadu	Uttar Pradesh	Kerala	Madhya Pradesh	Punjab	Rajasthan	West Bengal	Haryana	Assam	Orissa	India	
Agriculture etc.	15285	8404	13489	21431	16990	17400	17302	32425	13032	50375	16068	31610	44044	22445	12573	18806	
Mining & Quarrying	121379	4307	291850	35759	287057	49122	413160	17131	169728	0	53037	135208	29232	651961	260809	182434	
Manufacturing	53082	19043	127986	57990	112046	48725	37835	37803	57701	97609	63652	25657	137241	66775	31372	60133	
Electricity, Water, etc.	588299	139511	471480	794895	455145	342383	795101	341836	512781	266947	544460	195131	133692	233692	549785	352741	
Construction	48056	29204	67962	79248	77317	63423	40189	54839	61656	55489	37025	70822	77424	71231	46448	59754	
Trade, Hotel & Restaurant	53306	42741	57908	46523	75175	56083	41531	74862	65144	64152	74556	54918	68641	40915	37808	62261	
Transport etc.	81296	74388	77816	76918	100141	85221	71531	71732	87600	64309	64881	67118	111420	73575	110915	90363	
Other Services	Fin. Inter. Business act etc.	447396	311984	528271	397700	557034	340360	419839	282462	589878	525673	383725	487654	619428	268005	503997	488899
	Pub. Admin. Educn. Comm. Serv. Etc.	59936	76540	70102	79105	82352	80120	56884	81497	74830	105802	79781	77185	85873	47133	94203	79795



**Appendix Table 3(b): Statewise & Sectorwise Labour Productivity in All Areas - 2004-05 & 2011-12**  
**2004-05**

(In Rs.)

State → Sector ↓	Andhra Pradesh	Bihar	Gujarat	Karnataka	Maharashtra	Tamil Nadu	Uttar Pradesh	Kerala	Madhya Pradesh	Punjab	Rajasthan	West Bengal	Haryana	Assam	Orissa	India	
Agriculture etc.	24817	11964	24186	18986	17744	18210	19766	50372	16693	62227	20150	34609	48962	18953	17439	21882	
Mining & Quarrying	127123	13621	405950	190495	165478	152195	234224	35586	203422	29948	93221	202475	170569	1030188	423062	322124	
Manufacturing	61988	24779	128443	106065	146092	66256	42734	56546	54367	103828	66543	40930	166614	132887	48674	80449	
Electricity, Water, etc.	1180867	370852	896758	599019	593471	559108	310621	668102	571553	295868	358366	588932	294716	223448	862161	418103	
Construction	83357	62198	127397	123055	109447	99475	51750	107088	75951	73642	60830	101477	131214	110151	78871	87836	
Trade, Hotel & Restaurant	71126	58264	125656	78282	124598	92694	51263	124501	63565	85561	87028	75080	140357	61858	56176	96403	
Transport etc.	97614	61551	137267	112420	145780	132807	90630	118810	116175	119495	90892	101805	180133	84231	124670	134901	
Other Services	Fin. Inter. Business act etc.	614762	364729	724827	579220	699313	389021	520594	441311	509117	510829	510766	410053	746735	635293	449342	554233
	Pub. Admin. Educn. Comm. Serv. Etc.	88821	110056	93739	91084	105852	99385	89989	105497	77035	128849	94717	97651	91177	92350	101849	111022

2011-12

State → Sector ↓	Andhra Pradesh	Bihar	Gujarat	Karnataka	Maharashtra	Tamil Nadu	Uttar Pradesh	Kerala	Madhya Pradesh	Punjab	Rajasthan	West Bengal	Haryana	Assam	Orissa	India	
Agriculture etc.	37228	36643	100836	58948	61783	81073	56595	185210	48989	195854	87159	91743	180220	53168	39272	65156	
Mining & Quarrying	316778	48655	886575	432957	619456	205464	130773	302302	595058	240210	611613	153387	97093	1069964	2357346	769193	
Manufacturing	120668	74501	307904	218319	389067	190012	96121	126381	175170	277140	199063	60392	446080	156807	175001	195185	
Electricity, Water, etc.	653138	2685567	427477	868288	983891	198124	124907	517036	1122383	122892	884182	705135	630277	1686297	645623	564981	
Construction	92899	112139	326416	269625	249793	181587	66266	192045	87994	239140	61177	121415	227234	138472	95599	136988	
Trade, Hotel & Restaurant	128115	184402	334271	194885	315566	256455	121471	309924	140156	260284	255208	205286	627038	101246	158708	279093	
Transport etc.	236003	141994	384950	256581	346025	298070	260313	298677	208735	897656	220120	222873	624926	221013	311305	300158	
Other Services	Fin. Inter. Business act etc.	713692	883477	1373072	815752	1542303	956853	1174988	800891	1030857	280316	1149817	856396	1073981	657891	901852	1127561
	Pub. Admin. Educn. Comm. Serv. Etc.	121201	179509	235303	212024	251331	276005	210007	206042	208280	234695	266084	238705	271192	249432	242691	251827

**Appendix Table-4(a) : Statewise and sectorwise domestic product by Urban & Rural Areas (Based on equal productivity assumption) - 1993-94 & 1999-00**  
**1993-94**

(Rs. In Lakh)

State →		Andhra Pradesh				Bihar				Gujarat			
Sector ↓		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		23084463	1834773	1151906	91554	23876166	1092455	372820	17058	10903070	1059642	430678	41857
Mining & Quarrying		203515	85277	133452	55920	141446	1793	123193	1561	69270	102992	32301	48026
Manufacturing		2006081	501719	1341549	335520	961836	77570	541400	43662	1274565	602084	1668877	788351
Electricity, Water, etc.		0	0	77262	143866	84868	11624	119951	16428	27708	61332	37684	83415
Construction		494252	135346	554881	151948	367761	54586	152370	22616	332495	109301	349926	115030
Trade, Hotel & Restaurant		1308313	366549	1390715	389636	1273018	211098	745640	123645	401765	152411	969026	367605
Transport etc.		290736	121466	611072	255299	282893	55724	269079	53002	207809	108189	425295	221414
Other Services	Fin. Inter. Business act etc.	58147	133997	196667	453208	28289	35044	84290	104416	41562	167248	118436	476596
	Pub. Admin. Educn. Comm. Serv. Etc.	1628123	371545	1573335	359041	1273018	208897	914220	150019	595720	126653	1351252	287283
Total		29073630	3550672	7030839	2235992	28289297	1748788	3322961	532410	13853964	2489852	5383475	2429577

1999-00

State →		Andhra Pradesh				Bihar				Gujarat			
Sector ↓		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		23622962	3610741	666328	101847	19756394	1660390	245175	20605	12527143	1689766	594818	80234
Mining & Quarrying		239827	291100	56112	68108	122558	5278	96720	4166	62793	183261	31639	92339
Manufacturing		1678789	891129	1360711	722288	1495211	284734	402627	76672	1083174	1386309	1556650	1992291
Electricity, Water, etc.		29978	176362	35070	206316	24512	34197	26992	37656	31396	148027	31639	149173
Construction		659524	316939	806607	387621	539256	157485	112466	32845	423851	288057	506228	344043
Trade, Hotel & Restaurant		1379005	735094	1788563	953413	1103024	471449	661297	282648	612229	354530	1708519	989370
Transport etc.		509632	414312	645286	524593	343163	255272	157452	117125	376756	293177	531539	413623
Other Services	Fin. Inter. Business act etc.	59957	268244	294587	1317970	49023	152945	76477	238594	31396	165858	234130	1236842
	Pub. Admin. Educn. Comm. Serv. Etc.	1798703	1078075	1360711	815560	1078513	825495	470106	359819	549436	385166	1132685	794034
Total		29978379	7781997	7013974	5097715	24511655	3847244	2249310	1170131	15698174	4894151	6327847	6091949

**Appendix Table-4(a) : Statewise and sectorwise domestic product by Urban & Rural Areas (Based on equal productivity assumption) - 1993-94 & 1999-00 (Contd...)**  
**1993-94**

(Rs. In Lakh)

State →		Karnataka				Maharashtra				Tamil Nadu			
Sector ↓		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		13521376	1368938	912374	92371	21389100	2101111	1105383	108585	13741349	1286561	1043942	97741
Mining & Quarrying		116420	14144	137406	16693	103831	47808	59429	27364	78076	31738	25671	10435
Manufacturing		1114308	343006	1269629	390816	1297882	867914	2959573	1979114	2517946	748593	2558513	760654
Electricity, Water, etc.		33263	28931	82443	71705	51915	100707	106973	207508	39038	51085	59898	78383
Construction		249472	86758	351759	122330	622983	269817	665607	288278	448936	123584	641768	176668
Trade, Hotel & Restaurant		615364	178355	934359	270812	856602	346347	2329624	941930	936910	277836	1591584	471977
Transport etc.		116420	46676	351759	141028	285534	179662	1105383	695521	390379	158780	650324	264509
Other Services	Fin. Inter. Business act etc.	33263	61897	225345	419332	103831	319655	594292	1829598	156152	239402	256707	393567
	Pub. Admin. Educn. Comm. Serv. Etc.	831573	183072	1231155	271041	1245967	302503	2959573	718542	1210176	240246	1728494	343143
Total		16631459	2311776	5496228	1796129	25957646	4535525	11885837	6796439	19518961	3157826	8556901	2597076.35

1999-00

State →		Karnataka				Maharashtra				Tamil Nadu			
Sector ↓		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		13846574	2967407	690400	147957	22105229	3755725	793192	134765	12087397	2103213	937927	163200
Mining & Quarrying		134924	48248	19178	6858	26729	76729	41747	119837	89009	43723	42154	20707
Manufacturing		910737	528140	1521438	882289	1309742	1467517	3256261	3648520	2474445	1205671	2971859	1448035
Electricity, Water, etc.		0	0	31963	254072	53459	243315	97410	443355	35604	121900	73770	252575
Construction		252982	200482	632867	501532	614777	475324	1099336	849968	712071	451619	769311	487922
Trade, Hotel & Restaurant		758947	353085	1687645	785143	1015718	763568	3618068	2719889	996899	559086	2666242	1495297
Transport etc.		252982	194589	479445	368779	481130	481807	1544637	1546811	462846	394442	927389	790330
Other Services	Fin. Inter. Business act etc.	67462	268296	332415	1322014	80188	446676	821023	4573379	106811	363540	432079	1470622
	Pub. Admin. Educn. Comm. Serv. Etc.	640889	506978	997245	788875	1042447	858475	2643973	2177363	836683	670352	1717777	1376285
Total		16865499	5067226	6392595	5057518	26729418	8569135	13915647	16213888	17801763	5913546.028	10538507	7504973

**Appendix Table-4(a) : Statewise and sectorwise domestic product by Urban & Rural Areas (Based on equal productivity assumption) - 1993-94 & 1999-00 (Contd...)**  
**1993-94**

(Rs. In Lakh)

State →		Uttar Pradesh				Kerala				Madhya Pradesh			
Sector ↓		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		35943938	3025104	1366638	115019	4736799	689395	748910	108997	23850924	1457582	860207	52569
Mining & Quarrying		89860	55830	9172	5699	125979	6052	14801	711	318366	92869	126656	36946
Manufacturing		2875515	627033	2164608	472013	1075018	200904	556502	104002	848976	234759	897148	248080
Electricity, Water, etc.		44930	94918	91721	193767	25196	18295	17761	12897	53061	55849	68605	72211
Construction		898598	238428	376055	99780	478719	138236	236809	68382	238775	87559	284976	104501
Trade, Hotel & Restaurant		1931987	535321	1990338	551490	755872	277649	494340	181582	424488	128374	965753	292064
Transport etc.		673949	217101	660389	212732	335943	117247	230889	80582	132653	49781	448574	168339
Other Services	Fin. Inter. Business act etc.	89860	172798	302678	582043	92384	149001	88804	0	0	147766	324457	324457
	Pub. Admin. Educn. Comm. Serv. Etc.	2381286	438753	2210468	407280	772669	192852	571303	142593	663263	121182	1477656	269976
Total		44929923	5405287	9172066	2639822	8398580	1789632	2960118	842970	26530505	2227955	5277341	1569143

1999-00

State →		Uttar Pradesh				Kerala				Madhya Pradesh			
Sector ↓		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		33911166	917658	34828824	6026078	4518224	1465015	273075	88543	17529820	2284514	762696	99396
Mining & Quarrying		44445	0	44445	183627	159688	27356	8623	1477	80504	136638	89146	151306
Manufacturing		3466672	2600032	6066704	2295323	1183568	447429	580644	219503	805043	464516	901368	520097
Electricity, Water, etc.		44445	40785	85229	677659	18787	64220	14372	49130	20126	103203	19810	101583
Construction		1466669	632165	2098834	843492	882979	484217	307569	168667	362270	223359	391253	241230
Trade, Hotel & Restaurant		2400004	3007880	5407884	2245949	1117814	836814	876714	656322	543404	353995	1302526	848516
Transport etc.		933335	764715	1698050	1214632	582391	417763	250079	179388	140883	123413	406111	355752
Other Services	Fin. Inter. Business act etc.	133334	285494	418827	1758398	169081	477590	126477	357249	20126	118719	118862	701140
	Pub. Admin. Educn. Comm. Serv. Etc.	2044448	1947475	3991923	2270777	760865	620085	436920	356079	623909	466869	960799	718964
Total		44444516	10196203	54640719	17515935	9393396	4840488	2874473	2076359	20175250	4275227	4952571.74	3737983

**Appendix Table-4(a) : Statewise and sectorwise domestic product by Urban & Rural Areas (Based on equal productivity assumption) - 1993-94 & 1999-00 (Contd....)**  
**1993-94**

(Rs. In Lakh)

State →		Punjab				Rajasthan				West Bengal			
		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		4330520	1331662	206214	63412	14585783	1076774	589139	43492	12335784	1679396	364690	49649
Mining & Quarrying		0	423	0	0	328591	68794	32933	6895	38914	16256	150167	62732
Manufacturing		284444	157462	536600	297050	657182	194488	709895	210087	3132589	532562	2159539	367137
Electricity, Water, etc.		69660	51045	35478	25997	36510	46503	58548	74572	19457	20688	71508	76032
Construction		203175	82004	110868	44748	1277853	240186	303718	57087	466970	128810	378992	104542
Trade, Hotel & Restaurant		284444	122099	567643	243663	438121	171777	651347	255378	1459280	323211	1265690	280333
Transport etc.		150930	53722	130824	46565	182550	63371	303718	105434	525341	182901	593516	206636
Other Services	Fin. Inter. Business act etc.	23220	69011	59869	177933	36510	72396	128074	253960	77828	149082	264579	506808
	Pub. Admin. Educn. Comm. Serv. Etc.	458594	115052	569860	142966	711947	158922	881880	196854	1400909	278076	1902110	377563
Total		5804987	1982479	2217355.4	1042335	18255048	2093210	3659251	1203760	19457072	3310982	7150790	2031432

1999-00

State →		Punjab				Rajasthan				West Bengal			
		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		4756140	2395904	247875	124867	14738871	2368197	536289	86169	12722374	4021575	229244	72465
Mining & Quarrying		0	543	0	0	265565	140847	99775	52917	60011	81140	61132	82655
Manufacturing		386518	377277	641057	625730	815665	519186	873029	555699	3320620	851964	1963855	503862
Electricity, Water, etc.		52409	139905	34190	91269	37938	206557	24944	135808	20004	39034	91698	178930
Construction		347211	192664	182345	101182	1498547	554843	444829	164700	440082	311674	489053	346356
Trade, Hotel & Restaurant		379967	243756	894631	573922	663913	494987	893816	666392	1700317	933787	1940931	1065928
Transport etc.		248944	160094	242177	155743	322472	209224	324268	210389	660123	443060	855843	574422
Other Services	Fin. Inter. Business act etc.	19653	103313	96871	509224	56907	218366	153819	590243	80015	390196	320941	1565084
	Pub. Admin. Educn. Comm. Serv. Etc.	360314	381219	509997	539586	569068	454006	806513	643440	1000187	771999	1688763	1303479
Total		6557714	3994675	2849143.3	2721522	18968946	5166211	4157282	3105759	20003733	7844428	7641459	5693182

**Appendix Table-4(a) : Statewise and sectorwise domestic product by Urban & Rural Areas (Based on equal productivity assumption) - 1993-94 & 1999-00 (Contd...)**  
**1993-94**

(Rs. In Lakh)

State →		Haryana				Assam				Odisha			
Sector ↓		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		3515333	888818	179211	45312	5832300	593619	26402	2687	10189303	721026	245452	17369
Mining & Quarrying		29335	4709	3229	518	14728	24422	53684	89020	138716	76713	32831	18157
Manufacturing		195568	135501	402015	278538	257741	97735	91527	34707	807073	149722	259523	48145
Electricity, Water, etc.		19557	8025	9687	3975	22092	19153	5280	4578	12611	15745	31268	39038
Construction		210236	94851	132390	59730	51548	47334	24642	22627	226989	81852	89113	32134
Trade, Hotel & Restaurant		259127	117460	305144	138318	508117	162493	255218	81618	554863	117189	254832	53821
Transport etc.		171122	84070	122703	60283	95732	35386	66005	24397	88274	46131	156339	81702
Other Services	Fin. Inter. Business act etc.	9778	28716	35519	104311	14728	41854	17601	50019	12611	43570	32831	113435
	Pub. Admin. Educn. Comm. Serv. Etc.	479141	84824	424618	75171	567029	114232	339704	68436	580084	110257	461200	87660
	Total	4889198	1446974	1614516	766156.5	7364015	1136228	880063	378089	12610523	1362205	1563389	491461

1999-00

State →		Haryana				Assam				Odisha			
Sector ↓		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		3533138	1556121	168217	74089	5397942	1211559	66803	14994	10233618	1286682	221876	27897
Mining & Quarrying		20601	6022	33274	9727	23955	156180	5567	36294	52346	136523	25601	66770
Manufacturing		375975	515990	382648	525149	319405	213283	80164	53529	1073090	336650	332814	104410
Electricity, Water, etc.		46353	61970	9243	12357	7985	18661	6680	15611	13086	71947	15361	84451
Construction		334773	259194	110913	85873	143732	102381	57896	41240	418767	194509	172381	80067
Trade, Hotel & Restaurant		309021	212115	676567	464403	646795	264634	334016	136661.804	601978	227596	399377	150996
Transport etc.		169961	189372	127549	142116	215598	158627	92411	67991.8435	143951	159664	122885	136298
Other Services	Fin. Inter. Business act etc.	30902	191416	48062	297710	23955	64202	62350	167100.409	26173	131911	52909	266659
	Pub. Admin. Educn. Comm. Serv. Etc.	329622	283057	292070	250809	1205753	568304	407500	192065.771	523459	493115	363536	342463
	Total	5150347	3275258	1848543	1862232	7985120.6	2757830	1113387.7	725488.613	13086468.6	3038596	1706740.4	1260012



Appendix Table-4(b) : Statewise and sectorwise domestic product by Urban &amp; Rural Areas (Based on equal productivity assumption) - 2004-05 &amp; 2011-12

## 2004-05

(Rs. In Lakh)

State →		Andhra Pradesh				Bihar				Gujarat			
Sector ↓		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		21780806	5405288	923167	229100	19956773	2387654	546012	65326	13022391	3149636	500134	120964
Mining & Quarrying		364025	462759	129243	164298	25586	3485	5327	726	84342	342386	88734	360214
Manufacturing		2608843	1617178	1800175	1115899	1458380	361372	308963	76558	1315734	1689970	3000806	3854330
Electricity, Water, etc.		30335	358221	18463	218027	25586	94885	5327	19755	16868	151268	48400	434032
Construction		1001068	834464	821619	684879	639640	397845	186443	115964	506051	644692	516268	657708
Trade, Hotel & Restaurant		2002135	1424030	2280222	1621821	1918920	1118046	876282	510560	792814	996217	1887604	2371883
Transport etc.		788720	769899	1033947	1009274	562883	346463	186443	114758	455446	625178	588868	808322
Other Services	Fin. Inter. Business act etc.	121342	745962	452352	2780886	51171	186636	130510	476008	50605	366800	290401	2104900
	Pub. Admin. Educn. Comm. Serv. Etc.	1638111	1454991	1772480	1574340	946667	1041862	418165	460215	624130	585052	1145469	1073748
Total		30335385	13072791	9231669	9398525	25585606	5938247	2663472	1839870	16868383	8551199	8066683	11786101

## 2011-12

State →		Andhra Pradesh				Bihar				Gujarat			
Sector ↓		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		20465635	7618928	522672	194580	17480540	6405384	286003	104800	11657681	11755192	436755	440408
Mining & Quarrying		229653	727492	142644	451864	20693	10068	3059	1488	75049	665370	55994	496430
Manufacturing		2287699	2760527	1748982	2110467	1241589	924995	463722	345477	1293039	3981324	4007146	12338176
Electricity, Water, etc.		58885	384603	84096	549263	2587	69466	6729	180725	6254	26735	382796	1636365
Construction		1963829	1824369	1292310	1200537	2677177	3002171	255720	286763	675445	2204760	573177	1870940
Trade, Hotel & Restaurant		1804839	2312265	2338718	2996243	2141741	3949421	1041233	1920058	828671	2770009	2368044	7915691
Transport etc.		951000	2244389	1124118	2652953	628554	892510	185672	263643	436225	1679248	562996	2167252
Other Services	Fin. Inter. Business act etc.	197266	1407874	870765	6214585	129332	1142621	136119	1202579	35961	493773	442863	6080827
	Pub. Admin. Educn. Comm. Serv. Etc.	1483913	1798512	2520749	3055162	1546813	2776674	679983	1220632	626976	1475291	1350987	3178909
Total		29442721	21078959	10645054	19425654	25869027	19173310	3058239	5526165	15635302	25051702	10180758	36124998

**Appendix Table-4(b) : Statewise and sectorwise domestic product by Urban & Rural Areas (Based on equal productivity assumption) - 2004-05 & 2011-12 (Contd....)**  
**2004-05**

(Rs. In Lakh)

State →		Karnataka				Maharashtra				Tamil Nadu			
Sector ↓	Rural		Urban		Rural		Urban		Rural		Urban		
	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	
Agriculture etc.		15793892	2998634	633886	120350	24151214	4285341	1168399	207318	12328365	2245020	1049735	191159
Mining & Quarrying		77898	148392.1	23191	44177	90680	150057	120276	199031	56726	86334	50590	76995
Manufacturing		1207425	1280661	1677479	1779226	1692701	2472907	4158125	6074703	2647195	1753935	3908051	2589332
Electricity, Water, etc.		0	0	61843	370448	30227	179387	103094	611833	18909	105719	63237	353564
Construction		408966	503253.9	749841	922717	876577	959388	1512045	1654889	1077786	1072129	897966	893253
Trade, Hotel & Restaurant		876357	686027.1	2079456	1627834	1420660	1770119	3969119	4945459	1210146	1121739	2820373	2614331
Transport etc.		389492	437866.1	641616	721304	695216	1013485	1563592	2279402	529439	703131	999146	1326934
Other Services	Fin. Inter. Business act etc.	38949	225601.3	510201	2955185	151134	1056899	1288675	9011866	151268.3	588465	847377	3296471
	Pub. Admin. Educn. Comm. Serv. Etc.	681611	620841	1352806	1232195	1118392	1183835	3299008	3492050	888701.1	883237	2010939	1998575
	Total	19474590	6901276	7730318	9773437	30226801	13071418	17182333	28476551	18908535	8559708	12647414	13340613

2011-12

State →		Karnataka				Maharashtra				Tamil Nadu			
Sector ↓	Rural		Urban		Rural		Urban		Rural		Urban		
	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	
Agriculture etc.		11954532	7046970	707912	417301	23287168	14387461	858278	530268	9290323	7531949	1477876	1198160
Mining & Quarrying		56189	243272	27333	118338	30204	187100	41682	258204	92540	190137	94034	193206
Manufacturing		1595413	3483092	1678216	3663866	1782027	6933284	4196657	16327816	2651008	5037239	3949424	7504389
Electricity, Water, etc.		39162	340036.3	75620	656599	27183	267456	197044	1938697	107056	212104	113683	225233
Construction		737261	1987837	879196	2370527	1558519	3893068	1527090	3814562	2814315	5110419	1169108	2122944
Trade, Hotel & Restaurant		1047150	2040737	2230332	4346582	1464887	4622684	4064031	12824699	1239315	3178279	3021717	7749330
Transport etc.		555074	1424213	577627	1482079	588975	2038000	1801815	6234729	675000	2011974	972619	2899088
Other Services	Fin. Inter. Business act etc.	136215	1111174	1191697	9721296	202365.8	3121094	1832130	28256997	226814.5	2170281	1080688	10340597
	Pub. Admin. Educn. Comm. Serv. Etc.	902422	1913351	1741992	3693442	1265541	3180693	4431594	11137953	1054234	2909741	2154359	5946144
	Total	17023417	19590683	9109923	26470029	30206870	38630839	18950321	81323924	18150605	28352124	14033509	38179090

**Appendix Table-4(b) : Statewise and sectorwise domestic product by Urban & Rural Areas (Based on equal productivity assumption) - 2004-05 & 2011-12 (Contd....)**  
**2004-05**

(Rs. In Lakh)

State →		Uttar Pradesh				Kerala				Madhya Pradesh			
Sector ↓	Rural		Urban		Rural		Urban		Rural		Urban		
	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	
Agriculture etc.		37917038	7494565	1328116	262511	3511941	1769035	626023	315340	17979319	3001226	734481	122604
Mining & Quarrying		104311	244321.6	12649	29626	108703	38683	19937	7095	152552	310323.9	115332	234610
Manufacturing		4641838	1983640	3592239	1535105	1145562	647773	661909	374285	1089656	592408.6	1220089	663320
Electricity, Water, etc.		52155	162005.9	63244	196448	16724	111730	15950	106560	21793	124559.2	36421	208163
Construction		2764241	1430483	936006	484379	886347	949171	466526	499593	784552	595872.8	443117	336550
Trade, Hotel & Restaurant		3233640	1657673	3364562	1724787	1020135	1270077	897166	1116979	871725	554111.7	1541804	980047
Transport etc.		1095265	992634.1	1138386	1031714	585323	695422	410703	487955	152552	177227.8	418836	486585
Other Services	Fin. Inter. Business act etc.	208622	1086074	430057	2238851	209044	922535	223295	985425	43586	221904.8	218523	1112539
	Pub. Admin. Educn. Comm. Serv. Etc.	2138375	1924312	1783471	1604936	877985	926244	665897	702498	697380	537223.5	1341490	1033412
Total		52155486	16975708	12648728	9108358.07	8361764	7330670	3987404	4595730	21793114	6114858	6070093	5177831

**2011-12**

State →		Uttar Pradesh				Kerala				Madhya Pradesh			
Sector ↓	Rural		Urban		Rural		Urban		Rural		Urban		
	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	
Agriculture etc.		33948315	19213018	1292798	731658	2033471	3766181	537889	996222	15609469	7646883	739761	362400
Mining & Quarrying		234494	306654	112794	147504	46598	140866	17909	54139	121171.4	721040	52030	309610
Manufacturing		4577960	4400370	4158934	3997599	803810	1015859	1009700	1276065	1040775	1823121	1045939	1832166
Electricity, Water, etc.		106588	133136	190883	238427	22004	113771	53727	277789	19473.97	218573	68039	763662
Construction		7125416	4721733	1424392	943888	1194065	2293142	863340	1658001	2793433	2458059	793126	697904
Trade, Hotel & Restaurant		3250938	3948944	3516873	4271978	881473	2731895	1422844	4409732	913112.8	1279782	1713658	2401794
Transport etc.		1396304	3634755	702796	1829467	515163	1538674	504541	1506949	283454.4	591668	512964	1070734
Other Services	Fin. Inter. Business act etc.	250482	2943133	514805	6048900	190921	1529070	497748	3986421	88714.75	914523	320852	3307530
	Pub. Admin. Educn. Comm. Serv. Etc.	2403562	5047656	2543660	5341871	783100	1613514	1267838	2612277	770303.7	1604391	1423490	2964851
Total		53294058	44349399	14457936	23551292.4	6470605.1	14742972	6175536	16777595	21639908	17258040	6669860	13710651

**Appendix Table-4(b) : Statewise and sectorwise domestic product by Urban & Rural Areas (Based on equal productivity assumption) - 2004-05 & 2011-12 (Contd....)**  
**2004-05**

(Rs. In Lakh)

State →		Punjab				Rajasthan				West Bengal			
		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		4885997	3040396	194214	120853	15532747	3129858	710348	143136	14160534.17	4900888	267741	92664
Mining & Quarrying		7293	2184	0	0	255683	238350	35773	33348	45097	91311	95622	193610
Manufacturing		539647	560307.6	872316	905712	1235802	822334	1165175	775337	3044064	1245942	2639164	1080216
Electricity, Water, etc.		51048	151034	49376	146089	42614	152714	91988	329652	22549	132796	47811	281574
Construction		641743	472594.5	217256	159992	2045465	1244248	505931	307756	879396	892384	592856	601612
Trade, Hotel & Restaurant		466722	399331.3	921692	788608	873584	760265	1149844	1000689	2142119	1608311	2218427	1665604
Transport etc.		255239	304998.5	260049	310747	447445	406690	321956	292631	811750	826404	1013592	1031890
Other Services	Fin. Inter. Business act etc.	58340	298018.8	134962	689425	42614	217656.9	255521	1305113	202938	832152	497234	2038921
	Pub. Admin. Educn. Comm. Serv. Etc.	386504	498006	648476	835554	830970	787071.7	873882	827716	1240174	1211046	2189741	2138311
Total		7292533	5726871	3298342	3956980	21306923	7759186	5110418	5015379	22548621	11741235	9562187	9124401

2011-12

State →		Punjab				Rajasthan				West Bengal			
		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		3708941	7264112	222931	436620	13519028	11783066	389516	339499	13007023	11933025	283512	260102
Mining & Quarrying		0	3658	0	0	229023	1400735	58256	356302	73334	112485	102878	157801
Manufacturing		790372	1898551	1088060	2613628	1147339	2283926	1429558	2845721	4759382	2874263	3753846	2267004
Electricity, Water, etc.		79320.48	219829.1	89172	247133	44470	393200	113656	1004930	14667	103421	125607	885696
Construction		1146606	1409086	287073	352789	4511531	2760026	823010	503494	2060688	2501993	736893	894701
Trade, Hotel & Restaurant		413599.7	989081.8	858871	2053904	1076186	2746513	1209670	3087176	1818685	3733513	2594675	5326514
Transport etc.		252125.8	656242.4	277686	722772	580340	1277445	340398	749285	862898	1923168	949826	2116907
Other Services	Fin. Inter. Business act etc.	87110.89	781956.5	228407	2050307	80047	920393	321551	3697244	166224	1423535	736893	6310720
	Pub. Admin. Educn. Comm. Serv. Etc.	604110.5	1693419	858871	2407554	1049503	2792562	1027477	2733953	1681795	4014532	2678413	6393510
Total		7082186	14915936	3911072	10884706	22237467	26357866	5713093	15317604	24444697	28619933	11962543	24612957

**Appendix Table-4(b) : State wise and sector wise domestic product by Urban & Rural Areas (Based on equal productivity assumption) - 2004-05 & 2011-12 (Contd....)**  
**2004-05**

(Rs. In Lakh)

State → Sector ↓		Haryana				Assam				Orissa			
		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		4249994	2080875	268836	131627	7143988.5	1353966	61204	11600	10187335	1776557	281789	49141
Mining & Quarrying		6620	11292	4801	8188	28845	297159	16576	170765	118285	500420.4	20273	85766
Manufacturing		589174	981645	638485	1063806	298066.81	396092	124959	166054	1641211	798835.5	283816	138144
Electricity, Water, etc.		33100	97550	21603	63667	9615.0585	21484.7	34427	76927	14786	127476.4	22300	192261
Construction		549454	720958	156021	204721	240376.46	264777	70130	77249	813212	641386.1	212862	167886
Trade, Hotel & Restaurant		496495	696863	607281	852360	865355.27	535289	351924	217692	990641	556497.4	486542	273318
Transport etc.		264797	476988	165622	298341	230761.41	194373	160661	135327	295714	368666.6	174344	217355
Other Services	Fin. Inter. Business act etc.	52959	395467	100813	752809	19230	122168	29327	186312	59143	265753.1	109472	491904
	Pub. Admin. Educn. Comm. Serv. Etc.	377336	344042	436858	398313	778819.74	719237	425879	393298	665356	677657.5	435861	443920
Total		6619928	5805681	2400321	3773831	9615058.5	3904546	1275088	1435224.99	14785682	5713250	2027260	2059693

**2011-12**

State → Sector ↓		Haryana				Assam				Orissa			
		Rural		Urban		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		3437185	6194481	181600	327278	5785579	3076081	65408	34776	9177501	3604143	385288	151308
Mining & Quarrying		10101	9807	0	0	16789	179633	58882	630012	73715	1737714	22953	541090
Manufacturing		582866	2600050	645784	2880717	512056	802941	140456	220245	1416800	2479409	290742	508801
Electricity, Water, etc.		11289	71151.62	38997	245791	1865	31456.4	6229	105044	32435	209405	44267	285799
Construction		849641	1930673	312561	710244	612788	848538	117912	163274	1814860	1734982	273527	261488
Trade, Hotel & Restaurant		401054	2514765	598056	3750041	1197595	1212522	501161	507408	1045277	1658942	727402	1154449
Transport etc.		213896	1336689	182764	1142137	302197	667894	101597	224542	358254	1115264	254946	793660
Other Services	Fin. Inter. Business act etc.	49909	536013	332350	3569380	46635	306810	71192	468365	53075	478655	184447	1663434
	Pub. Admin. Educn. Comm. Serv. Etc.	385606	1045732	617846	1675546	852493.84	2126391	420329	1048433	774006	1878443	549241	1332958
Total		5941547	16239361	2909958	14301135	9327998.8	9252266	1483164	3402099.37	14763635	14896957	2732814.11	6692987

**Appendix Table-4(c) : Sectorwise Domestic Product by Urban & Rural Areas (Based on equal productivity assumption) - All India**  
**1993-94** **2004-05**

(Rs. In Lakh)

State →		India				India			
Sector ↓		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		230044961	23225832	10082669	1017968	248136014	54298941	10253104	2243659
Mining & Quarrying		1760548	1263976	983675	706224	1706575	5499224	932100	3003576
Manufacturing		20539729	6524508	19345609	6145192	27646516	22252536	28662087	23069964
Electricity, Water, etc.		586849	791378	819729	1105422	682630	2855649	815588	3411851
Construction		7042193	2332669	5164294	1710631	16724436	14695359	9321004	8190141
Trade, Hotel & Restaurant		12617262	4910423	15902746	6189077	20820216	20083042	28662087	27647258
Transport etc.		4107946	2250795	6475861	3548205	8532875	11517179	10020079	13524521
Other Services	Fin. Inter. Business act etc.	880274	2150259	2787079	6808041	1706575	9465806	6175165	34251594
	Pub. Admin. Educn. Comm. Serv. Etc.	15844934	4032492	20411257	5194608	15359176	17008539	21787846	24127561
Total		293424695	47482332	81972920	32425368	341315013	157618822	116745690	139527578

**1999-00****2011-12**

State →		India				India			
Sector ↓		Rural		Urban		Rural		Urban	
		WF	Value Added	WF	Value Added	WF	Value Added	WF	Value Added
Agriculture etc.		233197453	43855056	8247612	1551044	215752637	140576481	9206810	5998819
Mining & Quarrying		1530167	2791542	749783	1367858	1581962	12168343	1032154	7939257
Manufacturing		22646472	13617975	21275091	12793325	29081167	56761968	32505957	63446632
Electricity, Water, etc.		612067	2159009	656060	2314191	774151	4373811	1789066	10107889
Construction		10099102	6034634	7497829	4480266	37192927	50949965	12826229	17570435
Trade, Hotel & Restaurant		15607704	9717469	25211452	15696831	21810875	60872597	32189430	89838403
Transport etc.		6426701	5807334	8153890	7368066	9626405	28894387	10211439	30650413
Other Services	Fin. Inter. Business act etc.	918100	4488583	3842638	18786617	2356113	26566605	9922436	111881495
	Pub. Admin. Educn. Comm. Serv. Etc.	14995637	11965724	18088514	14433676	18411340	46364653	27950719	70387347
Total		306033402	100437326	93722869	78791874	336587577	427528811	137634240	407820689