

Publication No.1058



**GOVERNMENT OF HARYANA**

**STATE DOMESTIC PRODUCT  
OF  
HARYANA**

**2004-05 to 2011-12**

**(Base Year 2004-05)**

**DEPARTMENT OF ECONOMIC AND STATISTICAL  
ANALYSIS, HARYANA**

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## PREFACE

The estimates of State Domestic Product (SDP) also known as State Income estimates are important and reliable indicators for the measurement of overall growth of the State economy as well as the level of development in various socio-economic sectors. These estimates provide a solid base for formulation of development programmes and to pursue a sound economic policy.

At the National level, the estimates of National Product or National Income are regularly prepared and published by the Central Statistics Office (CSO), New Delhi. Similarly, at the State level, State Income estimates are regularly prepared and released by the Department of Economic & Statistical Analysis, Haryana.

The first series estimates of State Income of Haryana for 1960-61 and 1965-66 to 1968-69 with 1960-61 as base year were issued by this department in 1971. Since then, estimates are being prepared and issued annually.

The CSO, New Delhi has introduced the new series of national accounts with base year 2004-05 in place of the previous series with base year 1999-00 on 29.01.2010 in order to incorporate the latest available data from long term surveys and census, new economic activities, expansion of coverage of activities, improvements in procedures and to the extent possible, the latest international recommendations in compilation of national accounts. On the pattern of CSO, this department also shifted the base year from 1999-2000 to 2004-05. The first brochure on the new series with base year 2004-05 presenting the SDP estimates of Haryana for the years 2004-05 to 2010-10 was published in the month of July, 2011. The present brochure is the third on the same series with base year 2004-05 presenting the SDP estimates of Haryana for the years 2004-05 to 2011-12.

This brochure has been prepared by Dr. Virender Singh and Ms. Gurprit Kaur, Research Officers with the help of Sh. Navdeep and Ms. Neera Sharma, Assistant Research Officers and Ms. Neelam Kumari, Field Assistant under the guidance of Sh. Rajender Kumar Mor, Deputy Director and overall supervision of Sh. J.S. Dalal, Joint Director, Department of Economic & Statistical Analysis, Haryana.

I take this opportunity to thank Head of Departments/Organisations and District Statistical Officers for furnishing the basic data required for these estimates. My thanks are also due to the officers of the CSO for providing the valuable guidance.

Panchkula  
30<sup>th</sup> September, 2013

R.K.Bishnoi  
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## EXECUTIVE SUMMARY

The estimates of State Domestic Product (SDP) are considered as the most important economic indicators to measure the economic development of a State. The SDP is defined as a measure in monetary terms of the volume of all goods and services produced within the geographical boundaries of the State, accounted without duplication during a given period of time. The SDP estimates of Haryana State are regularly prepared and released by the Department of Economic & Statistical Analysis, Haryana. The first publication for the series of estimates of State Income of Haryana for 1960-61 and 1965-66 to 1968-69 with 1960-61 as base were issued by the department in 1971. Since then, these series have been revised five times by adopting 1970-71, 1980-81, 1993-94, 1999-2000 and 2004-05 as base year. This brochure presenting the estimates of Haryana State for the years 2004-05 to 2011-12 is the third publication for the series with base year 2004-05.

The estimates of SDP at current prices are obtained by evaluating the goods and services at prices prevailing during the accounting period whereas the estimates at constant prices are worked out by evaluating the goods and services at prices prevailing during the certain fixed period known as base year. The economy has been divided into thirteen sectors for the purpose of calculation of SDP estimates. These thirteen sectors have further been grouped into three broad sectors such as primary, secondary and tertiary sectors. The primary sector comprises Agriculture & Allied Activities, Forestry & Logging, Fishing and Mining & Quarrying sectors. The secondary sector consists of Manufacturing, Construction and Electricity, Gas & Water Supply sectors whereas tertiary sector includes Trade, Hotels & Restaurants, Transport, Storage and Communication, Banking and Insurance, Real Estate, Ownership of Dwellings, Legal & Business Services, Public Administration and Other Services sectors.

The SDP estimates are measured by adopting one of the three alternative approaches viz. production, income and expenditure approaches depending upon the availability of data. The production approach is followed in case of Agriculture & Allied activities, Forestry & Logging, Fishing, Mining & Quarrying and Registered Manufacturing sectors. The expenditure approach is adopted in case of Construction

sector only. In the remaining sectors, income approach is followed. The SDP estimates for the year 2010-11 released on 31<sup>st</sup> January, 2013 were compared and reconciled with the State estimates compiled by the Central Statistics Office (CSO), New Delhi. The reconciled estimates have been given in this brochure. The quick estimates for 2011-12 released on 31<sup>st</sup> January, 2013 have also been revised and presented in this brochure. The estimates have been prepared broadly as per the methodology suggested by the Central Statistics Office, New Delhi.

The review of the SDP estimates reveals that at current prices, the GSDP of the State has increased from Rs. 95795.12 crore in 2004-05 to Rs. 305404.96 crore in 2011-12 registering a growth of 218.8 percent. At constant (2004-05) prices, the GSDP has increased from Rs. 95795.12 crore in 2004-05 to Rs. 178179.25 crore in 2011-12 recording the growth of 86.0 percent. The average annual growth rate of State GSDP during the period 2005-06 to 2011-12 has been estimated at 18.0 percent and 9.3 percent at current and constant (2004-05) prices, respectively. During the period 2005-06 to 2011-12, the annual growth rate in real terms varied from the minimum of 8.2 percent in 2008-09 to 11.7 percent in 2009-10. The sector-wise analysis shows that the primary sector of the State economy has recorded the average annual growth of 4.4 percent whereas secondary and tertiary sectors have recorded the average annual growth of 7.1 and 12.8 percent respectively in real terms during the period 2005-06 to 2011-12. This indicates that the secondary and tertiary sectors have grown at a faster rate than primary sector.

The per capita income of the State at current prices increased from Rs. 37972 in 2004-05 to Rs. 108345 in 2011-12 indicating the growth of 185.3 percent whereas at constant prices it increased from Rs. 37972 in 2004-05 to Rs. 62078 in 2011-12 recording the growth of 63.5 percent. The annual growth of per capita income of the State both at current and constant (2004-05) prices during the period 2005-06 to 2011-12 was highest during the year 2009-10. It is also noted that the per capita income amongst Indian Union at current and constant prices increased by 155.0 percent and 57.5 percent as compared to the increase of 185.3 percent and 63.5 percent respectively recorded by the State during the period 2005-06 to 2011-12. It shows that the pace of economic development of the State remained much faster than that of India during this period.

## CONTENTS

Contents	Page No.
<b>Introduction</b>	1-4
<b>Overview of State Economy</b>	5-9
<b>Charts</b>	11-29
<b>Tables</b>	
1. State Domestic Product of Haryana at factor cost at current and constant prices.	31
2. Gross State Domestic Product of Haryana at factor cost by industry of origin at current prices	32
3. Gross State Domestic Product of Haryana at factor cost by industry of origin at constant prices	33
4. Composition of Gross State Domestic Product of Haryana at factor cost by industry of origin at current prices.	34
5. Composition of Gross State Domestic Product of Haryana at factor cost by industry of origin at constant prices	35
6. Percentage increase/decrease in Gross State Domestic Product of Haryana at factor cost by industry of origin at current prices	36
7. Percentage increase/decrease in Gross State Domestic Product of Haryana at factor cost by industry of origin at constant prices	37
8. Index Number of Gross State Domestic Product of Haryana at factor cost by industry of origin at current prices.	38
9. Index Number of Gross State Domestic Product of Haryana at factor cost by industry of origin at constant prices .	39
10. Net State Domestic Product of Haryana at factor cost by industry of origin at current prices.	40
11. Net State Domestic Product of Haryana at factor cost by industry of origin at constant prices	41

<b>Contents</b>	<b>Page No.</b>
12. Composition of Net State Domestic Product of Haryana at factor cost by industry of origin at current prices	42
13. Composition of Net State Domestic Product of Haryana at factor cost by industry of origin at constant prices	43
14. Percentage increase/decrease in Net State Domestic Product of Haryana at factor cost by industry of origin at current prices.	44
15. Percentage increase /decrease in Net State Domestic Product of Haryana at factor cost by industry of origin at constant prices	45
16. Index Number of Net State Domestic Product of Haryana at factor cost by industry of origin at current prices.	46
17. Index Number of Net State Domestic Product of Haryana at factor cost by industry of origin at constant prices	47
<b>Methodology (Chapters &amp; Tables)</b>	
<b>I. Agriculture &amp; Allied Activities</b>	<b>49-59</b>
18. State Domestic Product from Agriculture & Allied Activities at current prices	60
19. State Domestic Product from Agriculture & Allied Activities at constant prices	61
20. Value of Output from Agriculture at current prices	62
21. Value of Output from Agriculture at constant prices	63
22. Value of Output from Livestock at current prices	64
23. Value of Output from Livestock at constant prices	65
<b>II. Forestry and Logging</b>	<b>67-69</b>
24. State Domestic Product from Forestry and Logging at current prices	70
25. State Domestic Product from Forestry and Logging at constant prices	70

<b>Contents</b>	<b>Page No.</b>
<b>III. Fishing</b>	71
26. State Domestic Product from Fishing at current prices	72
27. State Domestic Product from Fishing at constant prices	72
<b>IV. Mining and Quarrying</b>	73-74
28. State Domestic Product from Mining and Quarrying at current prices	75
29. State Domestic Product from Mining and Quarrying at constant prices	76
<b>V. Registered Manufacturing</b>	77-78
30. State Domestic Product from Manufacturing-Registered at current prices	79
31. State Domestic Product from Manufacturing-Registered at constant prices	80
<b>VI. Unregistered Manufacturing</b>	81-82
32. State Domestic Product from Manufacturing-Unregistered at current prices	83
33. State Domestic Product from Manufacturing-Unregistered at constant prices.	84
<b>VII. Electricity ,Gas and Water Supply</b>	85-87
34. State Domestic Product from Electricity, Gas and Water Supply at current prices	88
35. State Domestic Product from Electricity, Gas and Water Supply at constant prices	89
<b>VIII. Construction</b>	91-94
36. State Domestic Product from Construction at current prices	95
37. State Domestic Product from Construction at constant prices	95



<b>Contents</b>	<b>Page No.</b>
<b>IX. Trade, Hotels and Restaurants</b>	97-98
38. State Domestic Product from Trade, Hotels and Restaurants at current prices	99
39. State Domestic Product from Trade, Hotels and Restaurants at constant prices	99
<b>X. Transport, Storage and Communication</b>	101-105
40. State Domestic Product from Transport, Storage and Communication at current prices	106-107
41. State Domestic Product from Transport, Storage and Communication at constant prices	108-109
<b>XI. Banking and Insurance</b>	111
42. State Domestic Product from Banking and Insurance at current prices	112
43. State Domestic Product from Banking and Insurance at constant prices	112
<b>XII. Real Estate , Ownership of Dwellings, Legal and Business Services</b>	113-116
44. State Domestic Product from Real Estate, Ownership of Dwellings, Legal and Business Services at current prices	117
45. State Domestic Product from Real Estate, Ownership of Dwellings, Legal and Business Services at constant prices	118
<b>XIII. Public Administration</b>	119-120
46. State Domestic Product from Public Administration at current prices	121
47. State Domestic Product from Public Administration at constant prices	121
<b>XIV. Other Services</b>	123-126
48. State Domestic Product from Other Services at current prices	127
49. State Domestic Product from Other Services at constant prices	128

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<b>Contents</b>	<b>Page No.</b>
<b>State's/All India Per Capita Income</b>	
50. Per Capita Income of various States and All India at current prices	129
51. Per Capita Income of various States and All India at constant prices	130
<b>Abbreviations used in the Publication</b>	<b>131-132</b>

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## INTRODUCTION

The Estimates of State Domestic Product (SDP) are regarded as the most important single economic indicator to measure the economic development of a State. The Per Capita Income is used to determine both the absolute and relative performance of the economy of the State. It is regarded as an important tool to measure regional disparities. The Per Capita Income is now frequently used in India by policy makers like the Planning Commission and the Finance Commission for allocation of a part of plan resources and distribution of proceeds of union excise duties and additional excise duties among different States.

### State Domestic Product (SDP)

The SDP is defined as a measure in monetary terms of the volume of all goods and services produced within the boundaries of the State during a given period of time, accounted without duplication. This covers all the goods and services produced within the State. Thus, the goods cover all possible items produced, for example, agricultural crops, livestock and livestock products, fish, forest products, mineral products, manufacturing of various consumer items for consumption, machinery, transport equipments & defence equipments and construction of buildings, roads, dams, bridges etc. Similarly, the services cover a wide spectrum including transport services, medical, educational & sanitary services, trading services, real estate services, Government services, etc. All goods and services produced during the period are to be included whether they are marketed i.e. exchanged for money or bartered or produced for own use. Another important feature of the measure is that it is an unduplicated value of output. In other words, only the value added at each stage of processing is taken into account while measuring the total value of output.

The SDP as such is Gross State Domestic Product (GSDP). The fixed capital assets i.e., plants, machinery and equipments are employed to produce goods. A part of these fixed capital assets is consumed in the process of production, which is known as Consumption of Fixed Capital (CFC) or Depreciation. Thus, CFC is defined as that part of gross product, which is required to replace the fixed capital used in the process of production during the period of account. This flow is based on the concept of the expected economic life of individual assets and is designed to cover the expected loss in value terms due to obsolescence and the normal amount of accidental damage, which can not be made good by repair as well as normal wear and tear. It is estimated on the basis of value and age of different fixed capital assets. The estimates of CFC for all sectors of the economy are supplied by the CSO after preparing and allocating the same to the States. This CFC is deducted from GSDP to obtain Net State Domestic Product (NSDP).

## State Domestic Product at Current and Constant Prices

The estimates of GDP at current prices are obtained by evaluating the product at prices prevailing during the accounting year. The estimates of GDP at current prices do not reveal the actual economic growth as they contain the combined effect of (i) changes in the volume of goods and services and (ii) changes in the prices. The effect of changes in the prices is eliminated by evaluating the goods and services at the prices prevailing during the certain fixed period known as base year. The estimates, thus, obtained are known as GDP at constant prices.

### How State Domestic Product (SDP) is calculated?

The economy has been divided into thirteen sectors for the purpose of calculation of SDP. These thirteen sectors have further been grouped in three broad sectors as under:

- |               |   |
|---------------|---|
| I. Primary    | 1. Agriculture and Allied Activities                                    |
|               | 2. Forestry and Logging   |
|               | 3. Fishing  |
|               | 4. Mining and Quarrying   |
| II. Secondary | 5. Manufacturing  |
|               | 5.1 Registered  |
|               | 5.2 Un-registered   |
|               | 6. Construction   |
|               | 7. Electricity, Gas and Water Supply                                    |
| III. Tertiary | 8. Trade, Hotels and Restaurants  |
|               | 9. Transport, Storage and Communication                                 |
|               | 10. Banking and Insurance   |
|               | 11. Real Estate, Ownership of Dwellings,<br>Legal and Business Services |
|               | 12. Public Administration   |
|               | 13. Other Services  |

The estimates of SDP can be conceptually prepared by adopting two approaches viz. income originating and income accruing. In the first approach, the measurement corresponds to income originating to the factors of production physically located within the geographical boundaries of a State and represents net value of goods and services produced within the State. The second approach relates to the income accruing to the normal residents of a State. Since, the measurement in the second approach corresponds to the income that becomes available to the residents of a State, it provides a better measure of the welfare of the residents of the State. But due to non-availability of data on inter-state income flows, the compilation of estimates based on income accruing concept is not possible at present. The estimates that are presently being compiled by the State Statistical Bureaus (SSBs) refer to the income at factor cost, originating

within the geographical boundaries of the respective States irrespective of the fact whether factors of production are owned by persons living inside or outside the State.

Theoretically, SDP can be measured by any one of the three alternative approaches viz. production, income and expenditure approach depending upon the availability of data:

- (i) **Production approach** is followed in case of Agriculture including Animal Husbandry, Forestry & Logging, Fishing, Mining & Quarrying and Registered Manufacturing sectors.
- (ii) **Income approach** is followed in respect of Un-registered Manufacturing, Transport, Storage & Communication, Real Estate, Ownership of Dwellings, Legal & Business Services, Trade, Hotels & Restaurants, Public Administration & Defence, Electricity, Water Supply and Other Services sectors.
- (iii) **Expenditure approach** is followed in respect of Construction sector only.

The different States prepare estimates of SDP by industry of origin by following the same classification of the sectors for which estimates are prepared at the National level. However, there are certain activities, which are managed by the Central Government and are not confined to the boundaries of a State. It is not possible to prepare independent estimates at State level in respect of some sectors namely Railways, Communication, Banking & Insurance and Central Government Administration where the activities are spread over to a number of States. These sectors are known as supra-regional sectors and State level estimates for these sectors are prepared by allocating the National estimates on the basis of data on gross earning, gross expenditure, wages & salaries, employment and other relevant indicators. The estimates for these sectors are prepared by the CSO and supplied to the SSBs so that the SSBs may suitably incorporate the same in their state income estimates.

#### **Financial Intermediation Services Indirectly Measured (FISIM)**

The banking enterprises render services to their customers in the form of maintaining their accounts and advising them on financial matters. In return for these services, customers are charged a nominal amount, which is substantially smaller than the expenses of the enterprises. On the other hand, the banks provide loans and advances and the returns on such transactions are much higher than the payments made to depositors. The net return accruing to banks is large enough to meet their expenses and to earn a profit. If the financial enterprises are treated like any other productive enterprise, their income in the production account would only be limited to the charges made on customers which would mean that the banks would have a negative operating surplus and most likely negative value added. To circumvent this difficulty, an imputed income equivalent to interest and dividend receipt of banking and financial enterprises net of interest paid to depositors is defined as Financial Intermediation Services

Indirectly Measured—FISIM (income earned in return for services rendered) and is entered as a receipt item in the output of the financial enterprises. The output of the financial enterprises, thus, includes interest received, which was paid by the producing industries. As the interest paid by the Industries is already accounted for in the GDP of the respective industries, its inclusion in the GDP of Banking industry amounts to duplication. To avoid this duplication, FISIM is allocated to the user industries as intermediate input and thereby the GDP of the industries is reduced.

FISIM has been allocated to user industries in line with the recommendations of the 1993 System of National Accounts (1993 SNA). The industries to which FISIM has been allocated are agriculture, livestock, mining & quarrying, manufacturing (registered and unregistered), electricity, gas, transport, construction, storage, trade, hotels & restaurants, business services and other services. As the Banking and Insurance sector is a supra-regional sector, the National estimates of FISIM are estimated by the NAD of the CSO and are allocated to States. The National estimates of FISIM are allocated to different States in the State-wise ratios of the GDP from Banking and Insurance sector. The estimates of the State FISIM supplied by the CSO are distributed to different user industries within the State in proportion to the respective sectoral GSDP.

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## Overview of State Economy

The detailed methodology adopted and source material used for preparing the SDP estimates in the new series with base year 2004-2005 have been elaborated for all the sectors in subsequent chapters separately. The SDP estimates of the State for the year 2010-11 were released on 31<sup>st</sup> January, 2013. These SDP estimates for 2010-11 were compared and reconciled with the State estimates compiled by the CSO, New Delhi in the last week of April, 2013. The reconciled estimates have been given in this brochure. The quick estimates of SDP for 2011-12 released on 31<sup>st</sup> January, 2013 have also been revised and presented in this brochure. The economic growth of Haryana has been analyzed on the basis of SDP in the subsequent paragraphs.

The State level estimates of GSDP and NSDP of Haryana at both current and constant prices during the period 2004-2005 to 2011-12 are given in the following table :-

**State Domestic Product of Haryana**  
(At Current Prices)

Year	GSDP (Rs.Crore)	Growth Rate (%)	NSDP (Rs.Crore)	Growth Rate (%)
2004-05	95795.12	-	86222.28	-
2005-06	108884.57	13.7	97903.17	13.5
2006-07	128732.34	18.2	116103.55	18.6
2007-08	151595.90	17.8	136583.92	17.6
2008-09	182522.15	20.4	164636.30	20.5
2009-10	223600.25	22.5	203854.92	23.8
2010-11	263013.06	17.6	239555.08	17.5
2011-12	305404.96	16.1	278294.78	16.2

At current prices, the GSDP has increased from Rs. 95795.12 crore in 2004-2005 to Rs. 305404.96 crore in 2011-12 registering a growth of 218.8 percent. The average annual growth rate during the period 2005-06 to 2011-12 has been estimated at 18.0 percent. During this period, the annual growth rate varied from the minimum of 13.7 percent in 2005-06 to the maximum of 22.5 percent in 2009-10. The NSDP at current prices also increased from Rs. 86222.28 crore in 2004-2005 to Rs. 278294.78 crore in 2011-12 registering a growth of 222.8 percent. The average annual growth rate of NSDP during the period 2005-06 to 2011-12 has been estimated at 18.2 percent.

**State Domestic Product of Haryana  
(At Constant Prices)**

Year	GSDP (Rs.Crore)	Growth Rate (%)	NSDP (Rs.Crore)	Growth Rate (%)
2004-05	95795.12	-	86222.28	-
2005-06	104607.79	9.2	94011.46	9.0
2006-07	116344.34	11.2	104700.49	11.4
2007-08	126170.76	8.4	112895.92	7.8
2008-09	136477.94	8.2	121588.39	7.7
2009-10	152474.47	11.7	136779.99	12.5
2010-11	165232.67	8.4	147515.94	7.8
2011-12	178179.25	7.8	159452.34	8.1

At constant (2004-2005) prices, the GSDP increased from Rs. 95795.12 crore in 2004-2005 to Rs. 178179.25 crore in 2011-12 registering a growth of 86.0 percent. The average annual growth rate during 2005-06 to 2011-12 has been estimated at 9.3 percent. The low growth rate of 8.2 percent recorded during the year 2008-09 may be attributed to the comparatively low growth rate of secondary sector of the economy. The low growth rate of 8.4 percent recorded during the year 2007-08 may be attributed to the zero growth rate recorded in primary sector and low growth rate recorded in secondary sector. The NSDP at constant prices increased from Rs.86222.28 crore in 2004-2005 to Rs. 159452.34 crore in 2011-12 registering a growth of 84.9 percent. The average annual growth rate of NSDP during the period 2005-06 to 2011-12 has been estimated at 9.2 percent.

The per capita income is one of the important indicators to measure the living standard of the people. The estimated per capita income of the State at both current and constant prices and the percentage changes over the previous year are shown in the following table: -



**Per Capita Income of Haryana at Current and Constant (2004-2005) prices**

Year	At Current Prices		At Constant Prices	
	Per Capita Income (Rs.)	Growth Rate (%)	Per Capita Income (Rs.)	Growth Rate (%)
2004-05	37972	-	37972	-
2005-06	42309	11.4	40627	7.0
2006-07	49261	16.4	44423	9.3
2007-08	56917	15.5	47046	5.9
2008-09	67405	18.4	49780	5.8
2009-10	82037	21.7	55044	10.6
2010-11	94798	15.6	58376	6.1
2011-12	108345	14.3	62078	6.3

It is evident from the above table that the per capita income of Haryana at current prices as well as constant prices has shown the increasing trend over the preceding years. The effect of prices on per capita income can well be gauged from the fact that the per capita income at current prices increased from Rs.37972 in 2004-2005 to Rs. 108345 in 2011-12 showing a growth of 185.3 percent whereas the per capita income at constant prices increased from Rs. 37972 in 2004-05 to Rs.62078 in 2011-12 with the growth of 63.5 percent only. The per capita income of the State witnessed the highest annual growth rate of 21.7 percent and 10.6 percent at current and constant prices, respectively during the year 2009-10.

**Per Capita Income of Haryana vis-à-vis All India**

Year	(Rs.)			
	At Current Prices		At Constant (2004-2005) Prices	
	Haryana	All India	Haryana	All India
2004-05	37972	24143	37972	24143
2005-06	42309	27131	40627	26015
2006-07	49261	31206	44423	28067
2007-08	56917	35825	47046	30332
2008-09	67405	40775	49780	31754
2009-10	82037	46249	55044	33901
2010-11	94798	54151	58376	36342
2011-12	108345	61564	62078	38037

The above table shows that the per capita income of Haryana at both current and constant price remained higher than that of India throughout the period 2004-2005 to 2011-12. During this period, the per capita income of Haryana at current prices increased by 185.3 percent whereas that of India increased by 155.0 percent. The per capita income of Haryana at constant

prices also increased by 63.5 percent whereas that of India increased by 57.5 percent. It shows that the pace of economic development of Haryana has been much faster than that of India during this period.

**Annual Growth Rates of Gross State Domestic Product by Broad Sectors at Constant (2004-2005) prices**

Year	(Percent)			
	Primary	Secondary	Tertiary	Total
2005-06	-1.1	8.0	15.5	9.2
2006-07	13.8	9.4	11.3	11.2
2007-08	0.0	6.6	13.6	8.4
2008-09	7.0	3.6	11.6	8.2
2009-10	-2.0	11.9	17.0	11.7
2010-11	4.8	5.8	11.0	8.4
2011-12	8.5	4.1	9.6	7.8

The above table reveals that the economy of Haryana has registered the overall positive growth rate throughout the period 2005-06 to 2011-12. The highest growth rate of 11.7 percent was recorded during the year 2009-10 whereas during the year 2008-09, it registered the lowest growth rate of 8.2 percent. The sector-wise growth rates of State economy reveal that during the period 2005-06 to 2011-12, the primary sector has recorded the average annual growth rate of 4.4 percent whereas secondary and tertiary sectors has recorded the average annual growth rate of 7.1 and 12.8 percent, respectively. This indicates that secondary and tertiary sectors are growing at a faster rate than primary sector.

The composition of Gross State Domestic Product by three broad sectors of the economy viz. primary, secondary and tertiary at constant prices is given in the following table:-

**Composition of Gross State Domestic Product by Broad Sectors of Economy at Constant (2004-2005) prices**

Year	(Percent)		
	Primary	Secondary	Tertiary
2004-05	23.3	32.7	44.0
2005-06	21.1	32.4	46.5
2006-07	21.6	31.8	46.6
2007-08	19.9	31.3	48.8
2008-09	19.7	29.9	50.4
2009-10	17.3	30.0	52.7
2010-11	16.7	29.3	54.0
2011-12	16.8	28.3	54.9

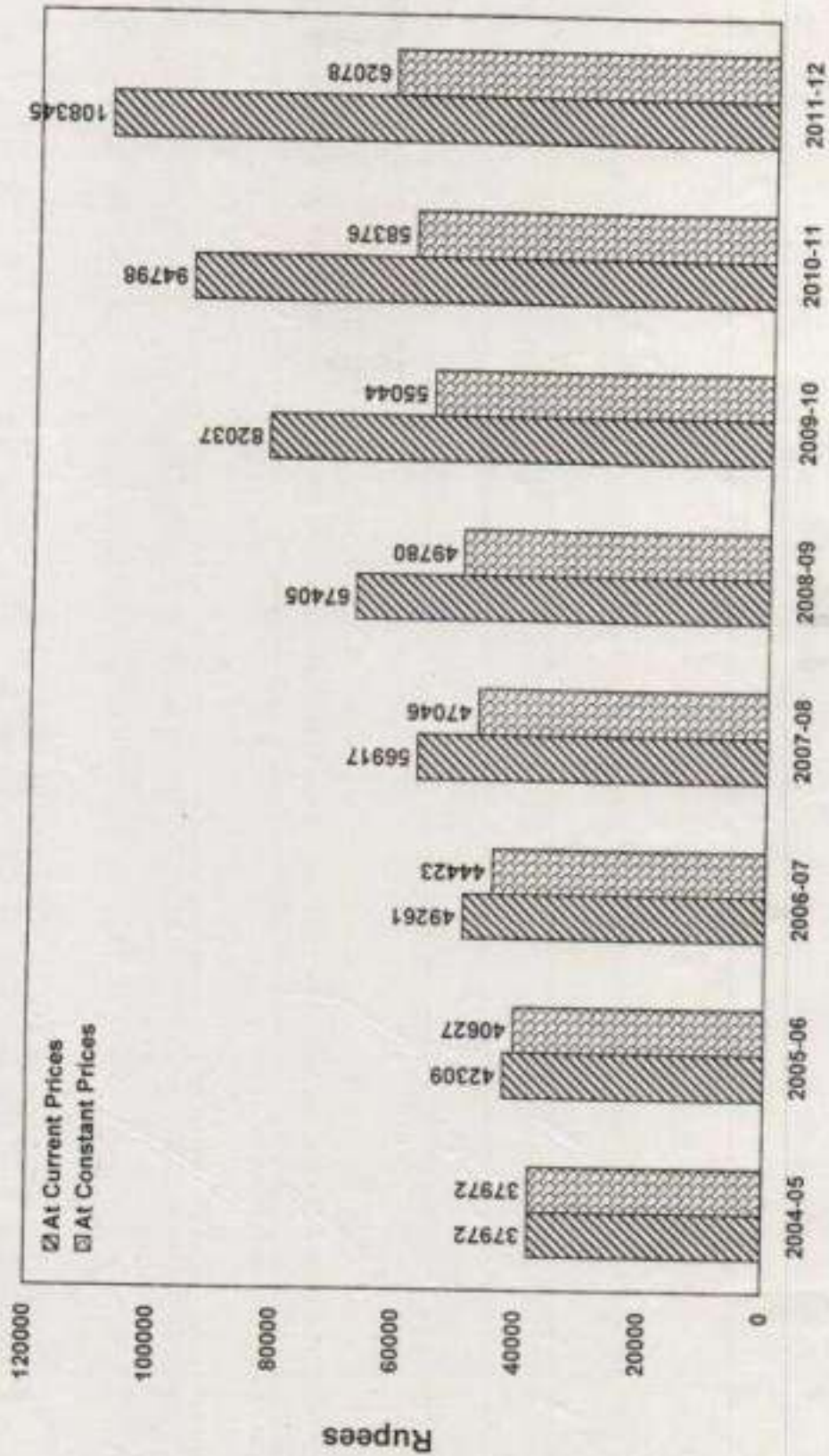
The sectoral composition of the State economy reveals that although there has been gradual decline in the share of primary sector and increase in the share of tertiary sector over the preceding years, but the agriculture sector still continues to dominate the State economy. The sectoral composition clearly indicates that the State economy is shifting from agriculture to services sector, which is a sign of healthy economy.

- (i) The share of primary sector comprising Agriculture & Animal Husbandry, Forestry, Fishing and Mining & Quarrying sectors in the State GSDP has declined from 23.3 percent in 2004-2005 to 16.8 percent in 2011-12.
- (ii) The share of secondary sector consisting of Manufacturing, Construction, Electricity, Gas and Water Supply sectors showed the decreasing trend during this period. It decreased from 32.7 percent in 2004-2005 to 28.3 percent in 2011-12.
- (iii) The contribution of tertiary sector comprising Transport, Storage & Communication, Trade, Hotels & Restaurants, Banking & Insurance, Real Estate, Ownership of Dwellings, Legal & Business Services, Public Administration and Other Services sectors has increased from 44.0 percent in 2004-2005 to 54.9 percent in 2011-12.

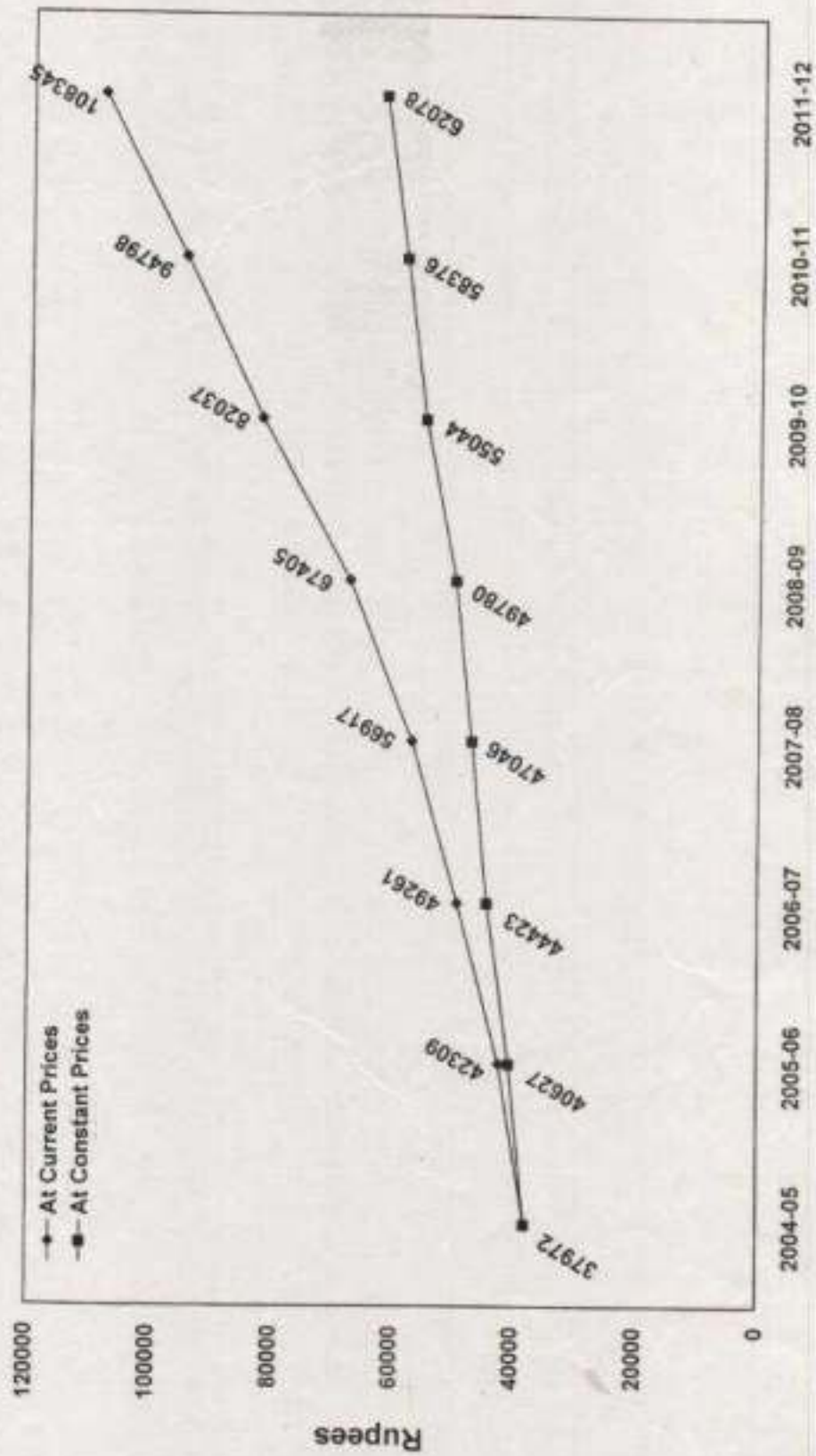
The change in the sectoral composition of GSDP over the years points to general scenario of the developing economy. The impact of urbanization, industrial progress and development of social services is quite discernible.

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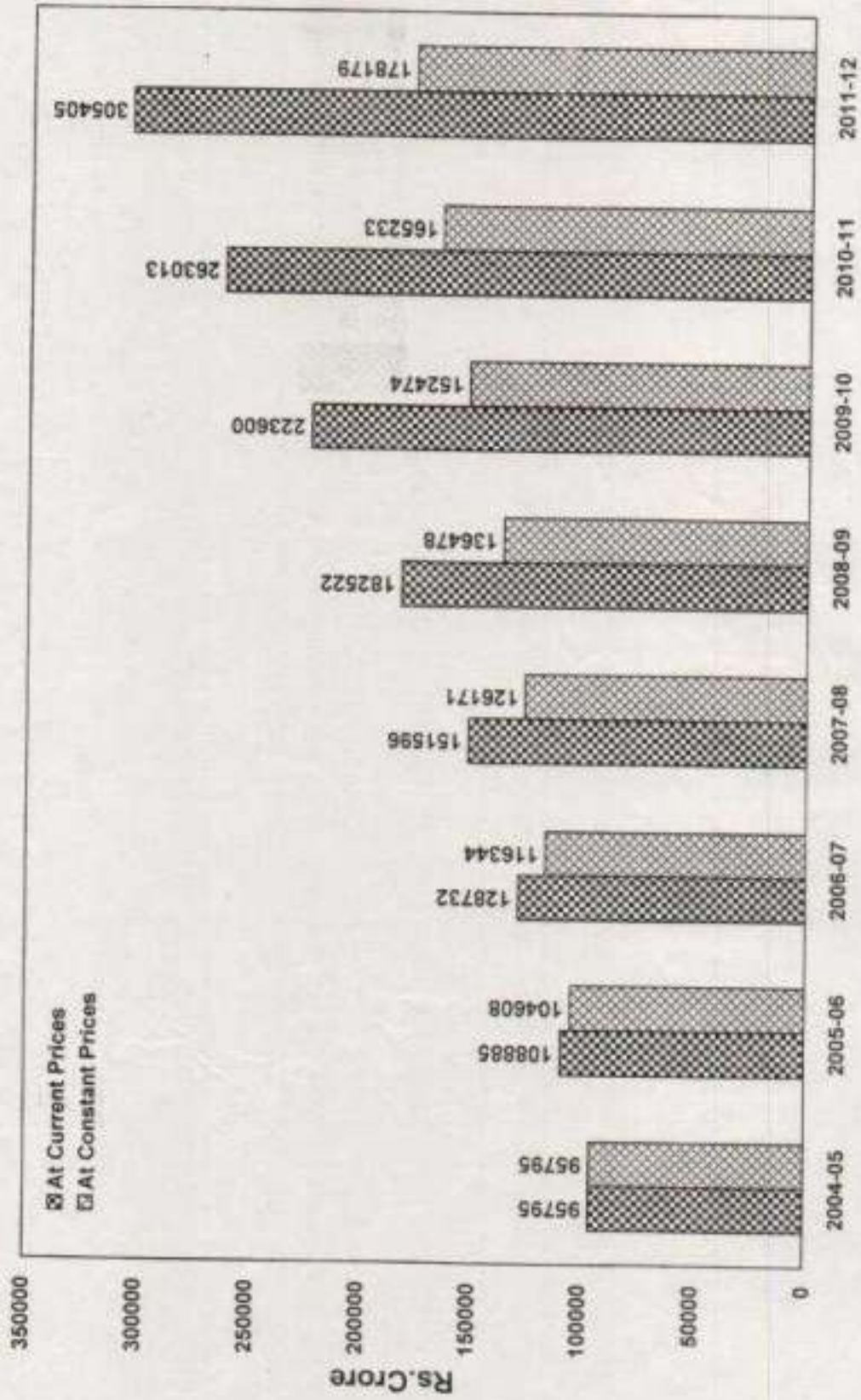
# PER CAPITA INCOME OF HARYANA



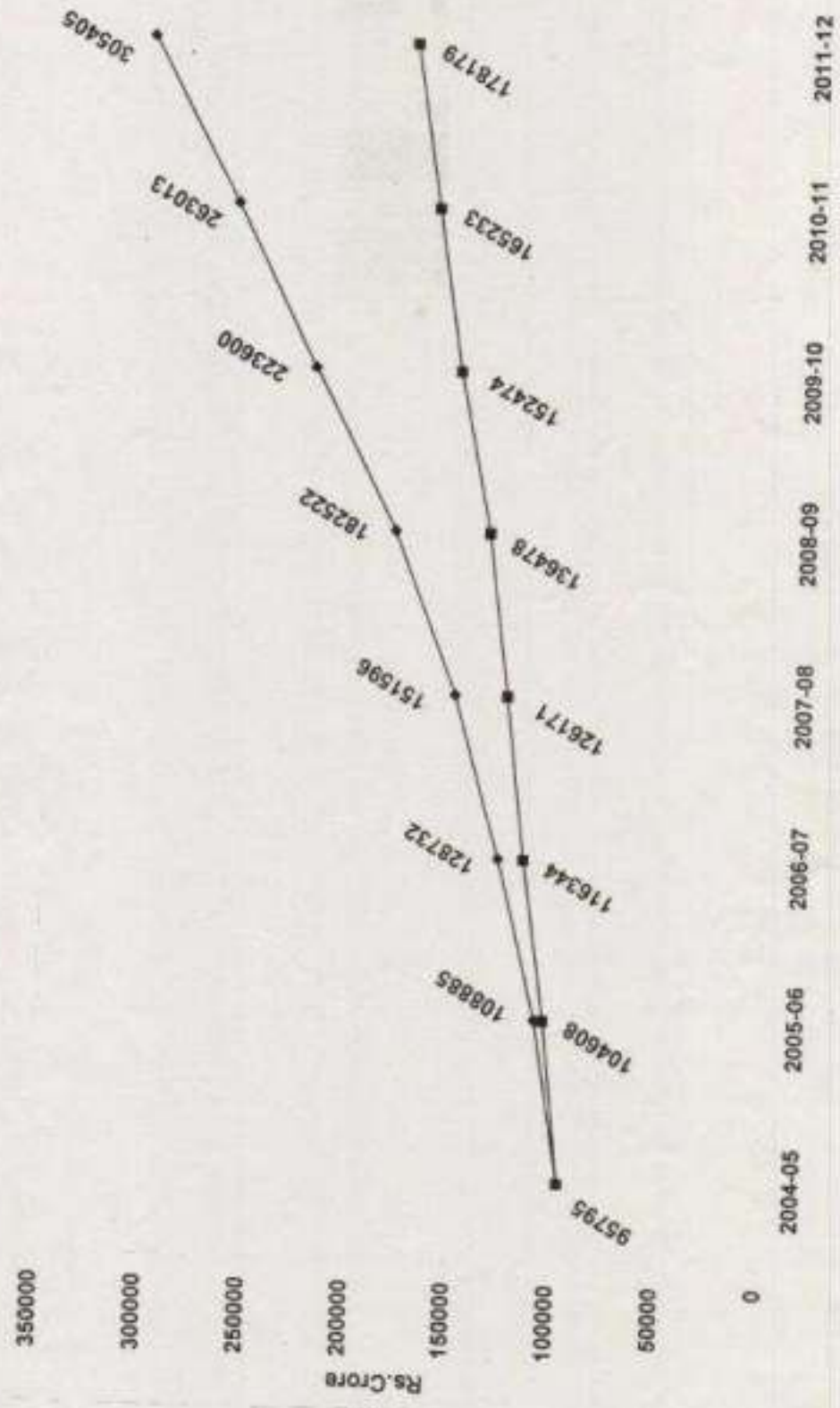
# PER CAPITA INCOME OF HARYANA



# GROSS STATE DOMESTIC PRODUCT OF HARYANA

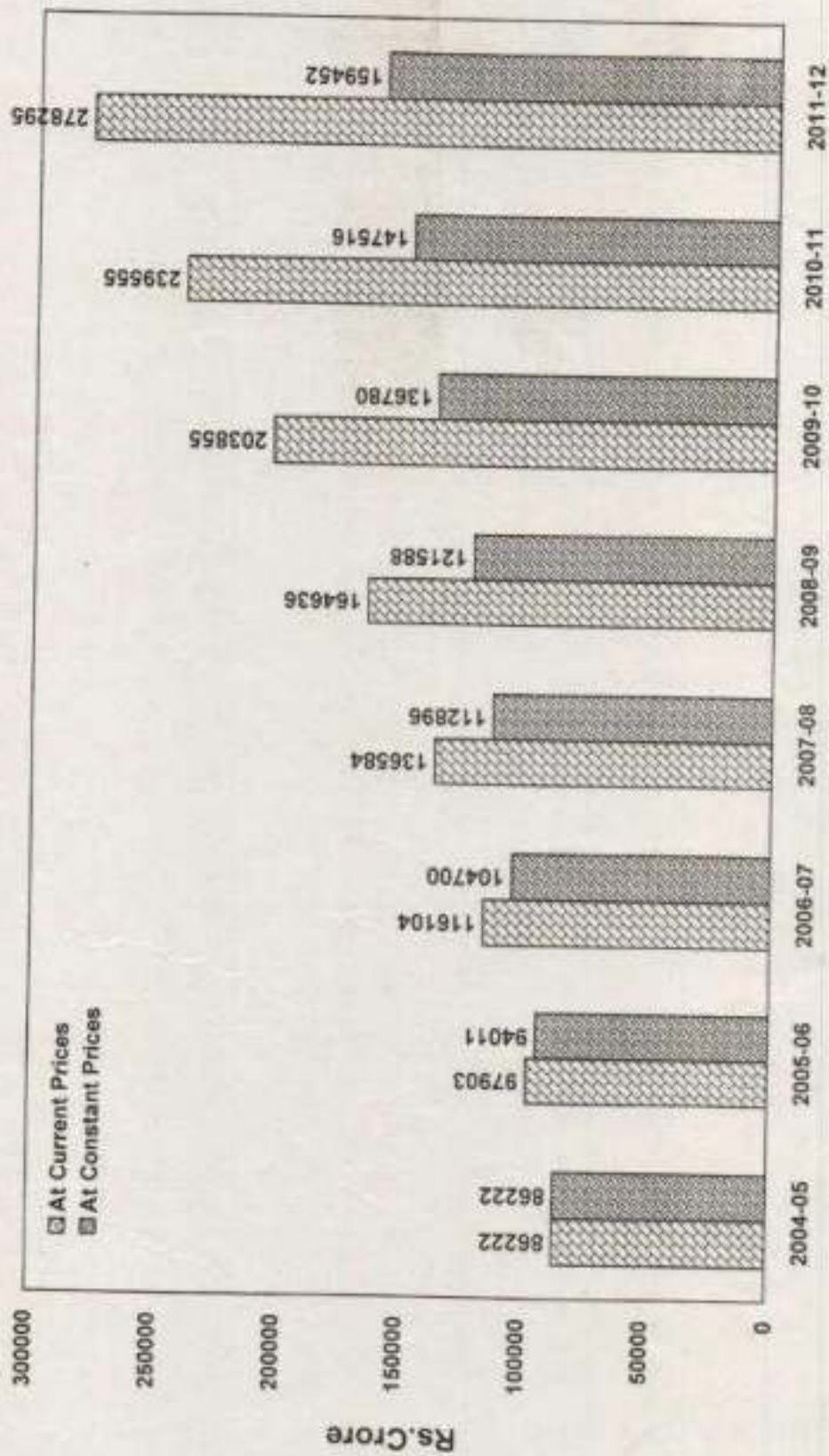


# GROSS STATE DOMESTIC PRODUCT OF HARYANA



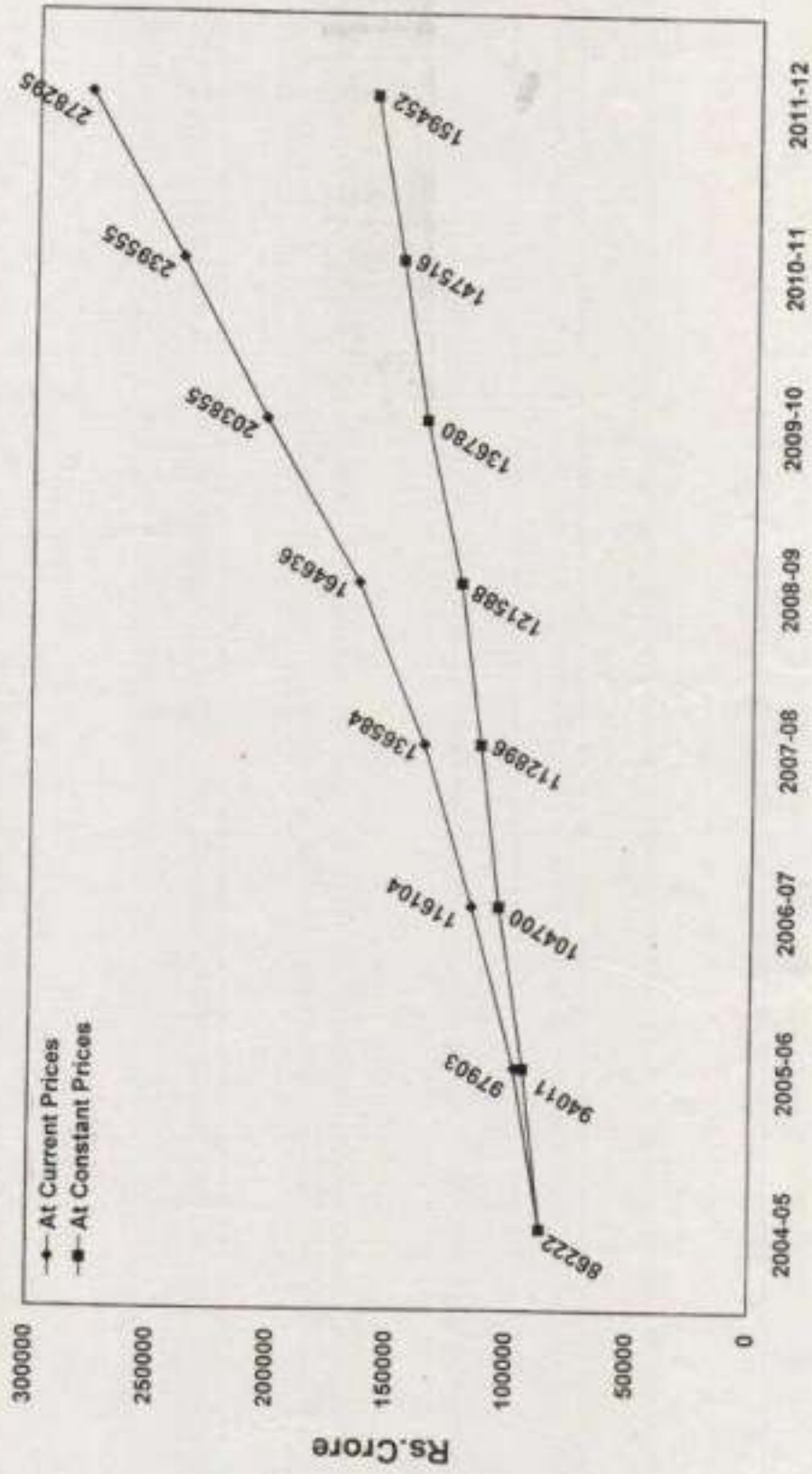
◆ At Current Prices    ■ At Constant Prices

# NET STATE DOMESTIC PRODUCT OF HARYANA

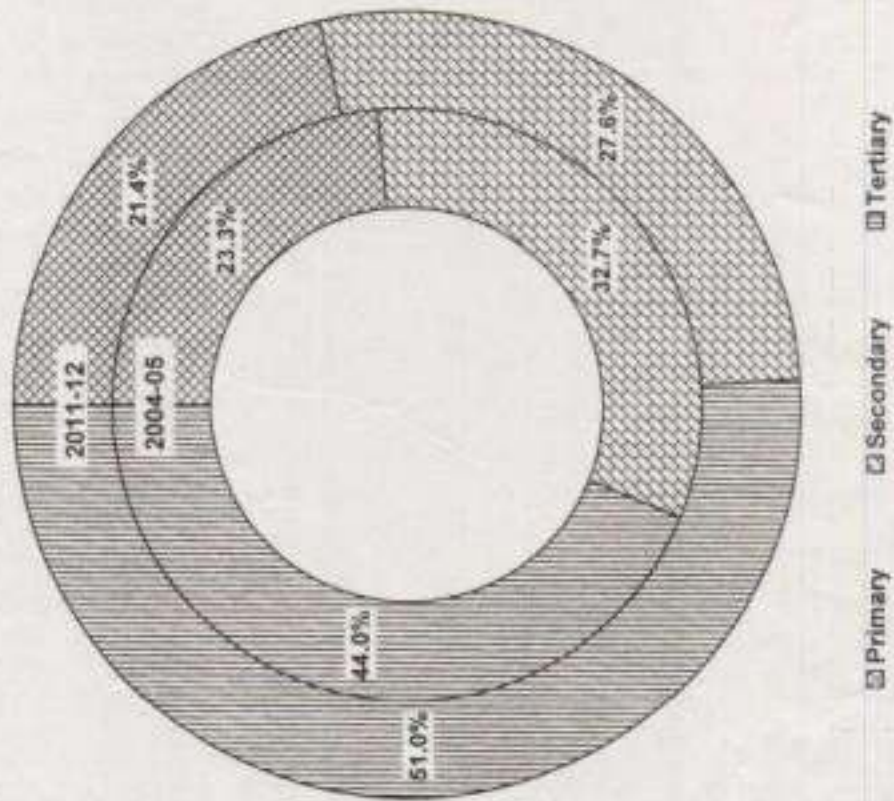




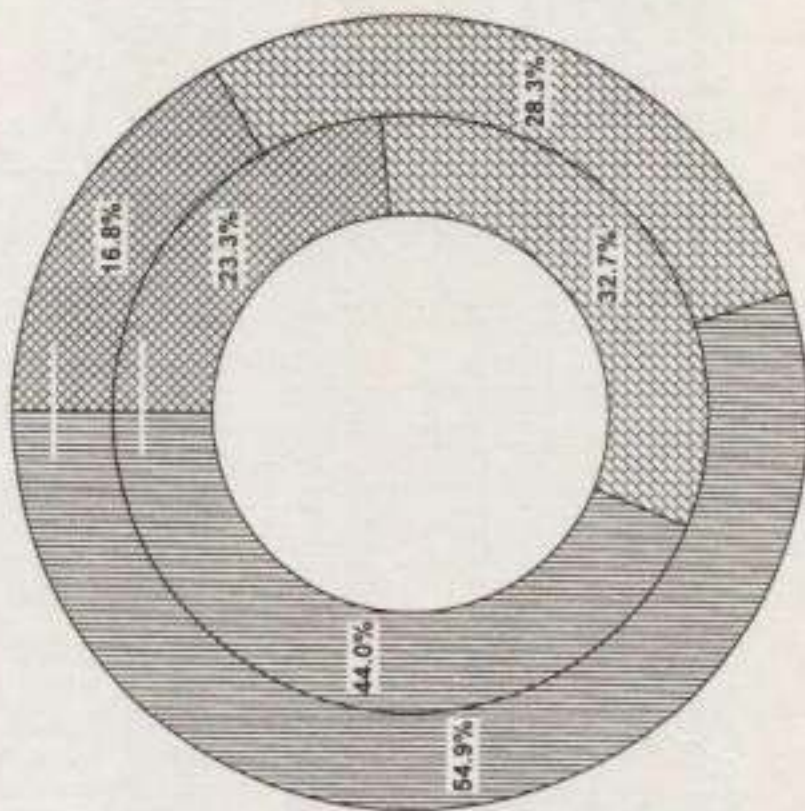
# NET STATE DOMESTIC PRODUCT OF HARYANA



**COMPOSITION OF GROSS STATE DOMESTIC PRODUCT BY  
BROAD SECTORS AT CURRENT PRICES**

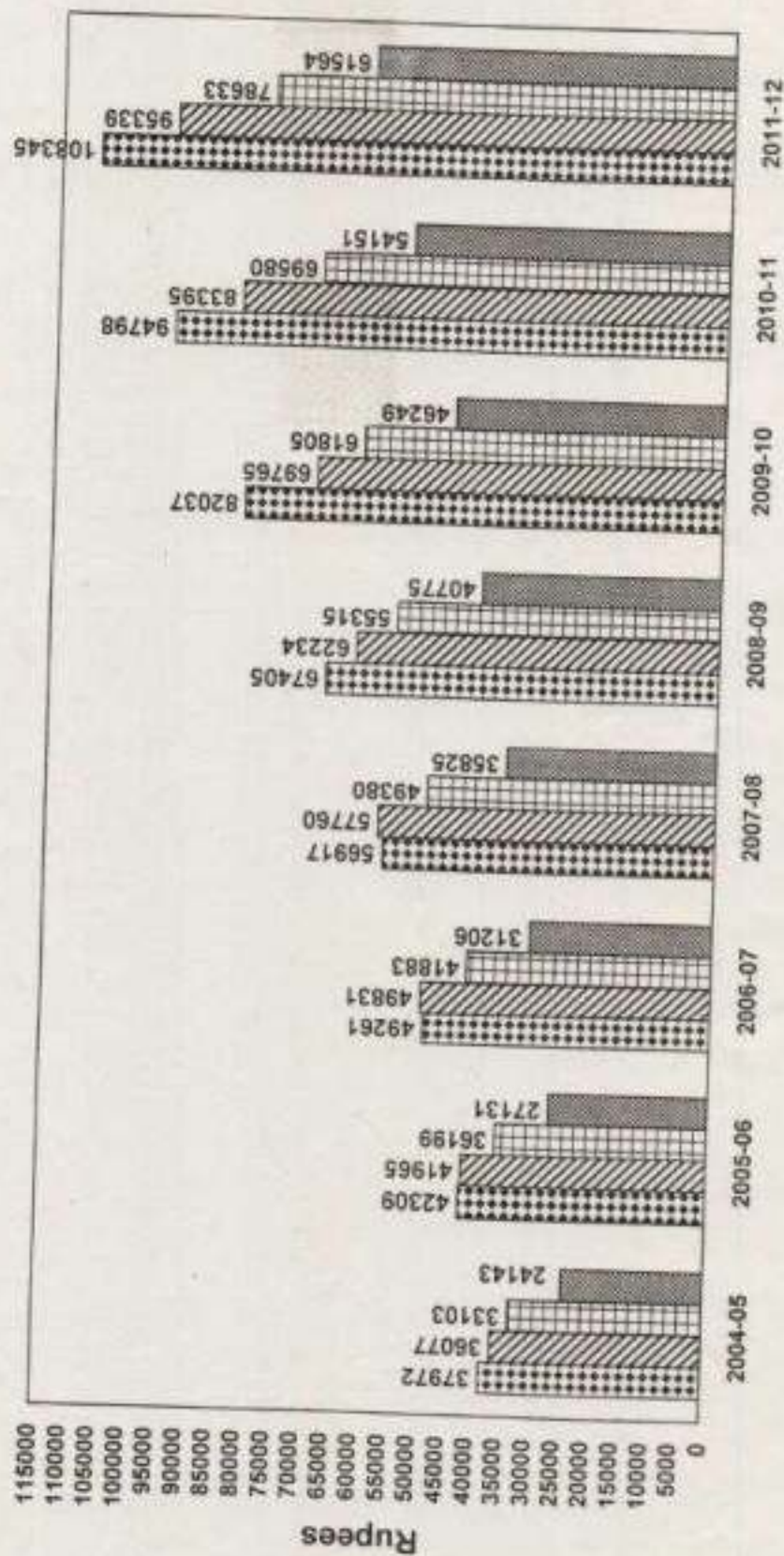


COMPOSITION OF GROSS STATE DOMESTIC PRODUCT BY  
BROAD SECTORS AT CONSTANT PRICES



Primary Secondary Tertiary

# PER CAPITA INCOME OF IMPORTANT STATES AT CURRENT PRICES



Haryana 
  Maharashtra 
  Punjab 
  All India

## PER CAPITA INCOME OF IMPORTANT STATES AT CONSTANT PRICES

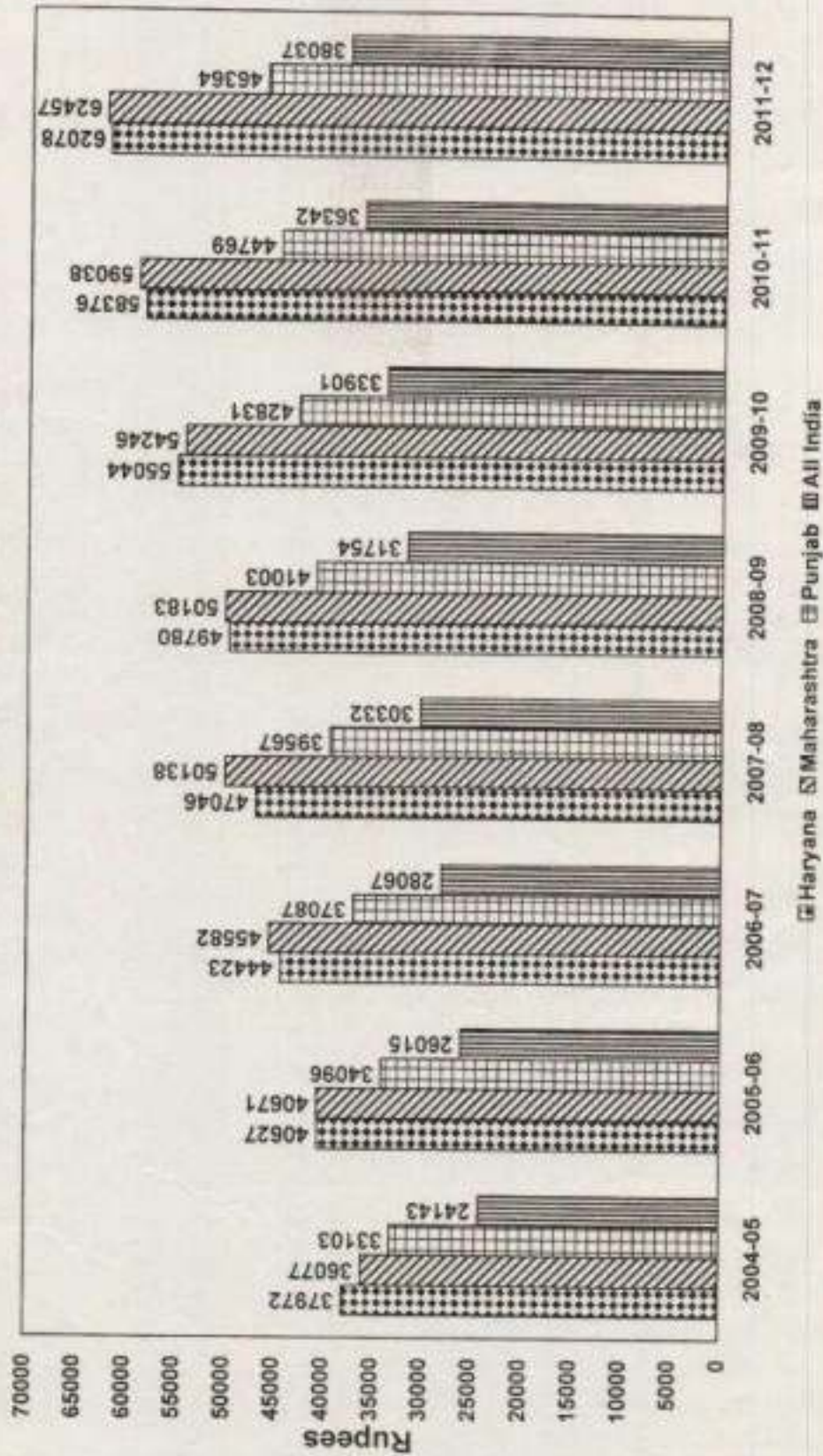


TABLE-1

State Domestic Product of Haryana at Factor Cost  
at Current and Constant (2004-05) Prices

S.No.	Item	Units	2004-05	2005-06P	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
<b>1. At Current Prices</b>										
(i)	Gross State Domestic Product	Rs. Crore	95795.12	108884.57	128732.34	151595.90	182522.15	223600.25	263013.06	305404.96
(ii)	Net State Domestic Product	Rs. Crore	86222.28	97903.17	116103.55	136583.92	164636.30	203854.92	239555.08	278294.78
(iii)	Per Capita Gross State Domestic Product	Rs.	42187	47055	54619	63173	74728	89984	104081	118899
(iv)	Per Capita Net State Domestic Product	Rs.	37972	42309	49261	56817	67405	82037	94798	108345
<b>2. At Constant (2004-05) Prices</b>										
(i)	Gross State Domestic Product	Rs. Crore	95795.12	104607.79	116344.34	126170.76	136477.94	152474.47	165232.67	178179.25
(ii)	Net State Domestic Product	Rs. Crore	86222.28	94011.46	104700.49	112895.92	121588.39	136779.99	147515.94	159452.34
(iii)	Per Capita Gross State Domestic Product	Rs.	42187	45206	49363	52578	55876	61360	65367	69368
(iv)	Per Capita Net State Domestic Product	Rs.	37972	40627	44423	47046	49780	55044	58376	62078
<b>3. Index Number (with 2004-05 as base)</b>										
<b>a) At Current Prices</b>										
(i)	Gross State Domestic Product		100.0	113.7	134.4	158.3	190.5	233.4	274.6	318.8
(ii)	Net State Domestic Product		100.0	113.5	134.7	158.4	190.9	236.4	277.8	322.8
(iii)	Per Capita Gross State Domestic Product		100.0	111.5	129.5	149.7	177.1	213.3	246.7	281.6
(iv)	Per Capita Net State Domestic Product		100.0	111.4	129.7	149.9	177.5	216.0	249.7	285.3
<b>b) At Constant (2004-05) Prices</b>										
(i)	Gross State Domestic Product		100.0	109.2	121.5	131.7	142.5	159.2	172.5	186.0
(ii)	Net State Domestic Product		100.0	109.0	121.4	130.9	141.0	158.6	171.1	184.9
(iii)	Per Capita Gross State Domestic Product		100.0	107.2	117.0	124.6	132.4	145.4	155.0	164.4
(iv)	Per Capita Net State Domestic Product		100.0	107.0	117.0	123.9	131.1	145.0	153.7	163.5
<b>4. Population(000)</b>										
			22707	23140	23569	23997	24425	24849	25270	25686

**TABLE -2**  
**Gross State Domestic Product of Haryana at Factor Cost by Industry of Origin at Current Prices**

S.No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	Agriculture	20971.46	21753.79	27357.29	32194.37	40137.23	44445.67	51655.00	61179.37
2	Forestry & Logging	1039.50	1127.71	1624.30	2122.86	2186.24	2687.58	3048.22	3179.62
3	Fishing	114.06	130.24	162.47	193.89	308.98	356.93	676.44	858.60
4	Mining & Quarrying	194.80	358.07	374.63	402.40	398.90	212.79	88.16	98.07
	<b>Sub-total: Primary</b>	<b>22319.82</b>	<b>23369.81</b>	<b>29518.69</b>	<b>34913.52</b>	<b>43031.35</b>	<b>47702.97</b>	<b>55467.82</b>	<b>65315.66</b>
5	Manufacturing	20454.51	22859.97	25855.38	29185.29	33480.17	42753.33	48786.75	54807.67
	5.1 Registered	13929.61	15722.60	17693.66	20122.50	23780.64	32044.44	36649.01	41171.97
	5.2 Un-registered	6524.90	7137.37	8161.72	9062.79	9699.53	10708.89	12137.74	13635.70
6	Electricity, Gas and Water Supply	1612.17	2085.31	2037.07	2214.74	3180.87	3345.99	4058.33	3169.43
7	Construction	9256.79	10366.25	12340.98	14107.98	16510.30	20401.35	21980.96	26409.17
	<b>Sub-total: Secondary</b>	<b>31323.47</b>	<b>35311.53</b>	<b>40233.43</b>	<b>45508.01</b>	<b>53171.34</b>	<b>66500.67</b>	<b>74826.04</b>	<b>84386.27</b>
8	Trade, Hotels and Restaurants	15492.23	18280.65	22237.14	27133.76	33177.25	41673.82	52578.77	62648.06
9	Transport, Storage & Communication	7753.29	9350.45	10898.06	13269.69	15151.54	18850.47	21433.80	24788.26
	9.1 Railways	1150.26	1528.68	1799.96	2401.52	2239.99	2666.24	2257.24	2450.29
	9.2 Transport by other means	5404.22	6519.31	7783.81	9367.20	11151.99	14109.45	17174.05	19850.44
	9.3 Storage	75.92	74.63	77.59	135.17	147.08	123.14	161.48	196.03
	9.4 Communication	1082.89	1227.83	1236.70	1365.80	1612.48	1951.64	1841.05	2291.50
	<b>Sub-total : Transport, Communication &amp; Trade</b>	<b>23245.52</b>	<b>27631.10</b>	<b>33135.20</b>	<b>40403.45</b>	<b>48328.79</b>	<b>60524.29</b>	<b>74012.57</b>	<b>87436.32</b>
10	Banking & Insurance	3033.07	3493.55	4193.35	4950.43	5776.26	6627.09	8951.84	11877.77
11	Real Estate, Ownership of Dwellings, Legal & Business Services	8449.69	10588.83	11965.67	14695.00	17344.05	21777.44	26156.09	29176.16
	<b>Sub-total : Finance &amp; Real Estate</b>	<b>11482.76</b>	<b>14082.38</b>	<b>16159.02</b>	<b>19645.43</b>	<b>23120.31</b>	<b>28404.53</b>	<b>35107.93</b>	<b>41053.93</b>
12	Public Administration	2350.44	2694.31	2891.17	3262.73	4506.17	5624.91	6503.32	7223.57
13	Other Services	5063.11	5785.44	6784.83	7862.76	10364.19	14842.88	17085.36	19989.21
	<b>Sub-total : Community &amp; Personal Services</b>	<b>7423.55</b>	<b>8489.75</b>	<b>9686.00</b>	<b>11125.49</b>	<b>14870.36</b>	<b>20467.79</b>	<b>23598.70</b>	<b>27212.78</b>
	<b>Sub-total : Tertiary</b>	<b>42151.83</b>	<b>50203.23</b>	<b>58980.22</b>	<b>71174.37</b>	<b>86319.46</b>	<b>109396.61</b>	<b>132719.20</b>	<b>155703.03</b>
14	<b>Total:Gross State Domestic Product at Factor Cost</b>	<b>95795.12</b>	<b>108884.57</b>	<b>128732.34</b>	<b>151555.90</b>	<b>182522.15</b>	<b>223600.25</b>	<b>263013.06</b>	<b>305404.96</b>
15	<b>Per Capita Gross State Domestic Product (Rs.)</b>	<b>42187</b>	<b>47055</b>	<b>54619</b>	<b>63173</b>	<b>74728</b>	<b>89984</b>	<b>104081</b>	<b>118899</b>

**TABLE-3**  
**Gross State Domestic Product of Haryana at Factor Cost by Industry of Origin at Constant Prices**

S.No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	Agriculture	20971.46	20532.62	23543.39	23475.79	25211.78	24771.16	26091.54	28365.43
2	Forestry & Logging	1039.50	1062.58	1094.09	1127.12	1154.42	1178.61	1208.23	1233.93
3	Fishing	114.06	130.24	162.46	181.78	205.99	237.95	253.67	286.20
4	Mining & Quarrying	194.80	358.75	342.74	355.77	328.19	165.51	68.42	75.88
	<b>Sub-total: Primary</b>	<b>22319.82</b>	<b>22084.19</b>	<b>25142.68</b>	<b>25140.46</b>	<b>26900.38</b>	<b>26353.23</b>	<b>27621.86</b>	<b>29961.44</b>
5	Manufacturing	20454.51	22021.73	24023.32	28051.52	26741.61	29576.73	31955.84	33015.47
	5.1 Registered	13929.61	15133.41	16562.59	18047.00	18624.28	20953.04	22770.50	23525.55
	5.2 Un-registered	6524.80	6888.32	7460.73	8003.92	8117.33	8623.69	9185.34	9489.92
6	Electricity, Gas and Water Supply	1612.17	1743.88	1856.29	2017.90	2212.98	2683.19	2830.43	3030.51
7	Construction	9256.79	10070.26	11124.50	11383.59	11918.26	13478.07	13621.59	14360.92
	<b>Sub-total: Secondary</b>	<b>31323.47</b>	<b>33835.87</b>	<b>37004.11</b>	<b>39453.01</b>	<b>40872.85</b>	<b>45737.99</b>	<b>48407.86</b>	<b>50406.90</b>
8	Trade, Hotels and Restaurants	15492.23	17476.78	19922.13	23163.61	26181.65	31626.32	36340.34	39626.58
9	Transport, Storage & Communication	7753.29	9206.43	10225.09	11649.82	12277.89	13491.80	14155.12	15306.71
	9.1 Railways	1190.26	1556.85	1675.03	2105.58	1941.91	2062.61	1881.31	2022.02
	9.2 Transport by other means	5404.22	6213.98	6956.63	7736.63	8280.86	9117.60	10018.93	10772.17
	9.3 Storage	75.92	70.68	67.96	69.65	71.53	79.40	75.98	77.80
	9.4 Communication	1082.89	1364.92	1525.47	1737.96	1983.59	2232.19	2178.90	2434.72
	<b>Sub-total: Transport, Communication &amp; Trade</b>	<b>23245.52</b>	<b>26683.21</b>	<b>30147.22</b>	<b>34813.43</b>	<b>38459.54</b>	<b>45118.12</b>	<b>50495.46</b>	<b>54933.29</b>
10	Banking & Insurance	3033.07	3761.32	4615.71	5497.18	6145.55	7071.06	8868.98	11393.41
11	Real Estate, Ownership of Dwellings, Legal & Business Services	8449.69	10154.09	10758.23	11921.05	12799.47	14511.12	15555.34	16123.06
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>11482.76</b>	<b>13915.41</b>	<b>15373.94</b>	<b>17418.23</b>	<b>18945.02</b>	<b>21582.18</b>	<b>24424.32</b>	<b>27516.47</b>
12	Public Administration	2360.44	2572.47	2603.38	2776.13	3481.87	3658.83	4064.40	4230.69
13	Other Services	5063.11	5516.64	6073.01	6569.50	7818.28	9824.12	10218.77	11130.46
	<b>Sub-total: Community &amp; Personal Services</b>	<b>7423.55</b>	<b>8089.11</b>	<b>8676.39</b>	<b>9345.63</b>	<b>11300.15</b>	<b>13682.95</b>	<b>14283.17</b>	<b>15361.15</b>
	<b>Sub-total: Tertiary</b>	<b>42151.83</b>	<b>48687.73</b>	<b>54197.55</b>	<b>61577.29</b>	<b>68704.71</b>	<b>80383.25</b>	<b>89202.95</b>	<b>97810.91</b>
14	<b>Total: Gross State Domestic Product at Factor Cost</b>	<b>95795.12</b>	<b>104607.79</b>	<b>116344.34</b>	<b>126170.76</b>	<b>136477.94</b>	<b>152474.47</b>	<b>165232.67</b>	<b>178179.25</b>
15	<b>Per Capita Gross State Domestic Product (Rs.)</b>	<b>42187</b>	<b>45206</b>	<b>49363</b>	<b>52578</b>	<b>55876</b>	<b>61360</b>	<b>65387</b>	<b>69368</b>



**TABLE-4**  
**Composition of Gross State Domestic Product of Haryana at Factor Cost**  
**by Industry of Origin at Current Prices**

S.No.	Industry	(Percent)									
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12		
1	Agriculture	21.9	20.0	21.3	21.2	22.0	19.9	19.6	20.0		
2	Forestry & Logging	1.1	1.0	1.3	1.4	1.2	1.2	1.2	1.0		
3	Fishing	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3		
4	Mining & Quarrying	0.2	0.3	0.3	0.3	0.2	0.1	0.0	0.0		
	<b>Sub-total: Primary</b>	<b>23.3</b>	<b>21.5</b>	<b>22.9</b>	<b>23.0</b>	<b>23.6</b>	<b>21.3</b>	<b>21.1</b>	<b>21.4</b>		
5	Manufacturing	21.4	21.0	20.1	19.3	18.3	19.1	18.5	17.9		
5.1	Registered	14.5	14.4	13.7	13.3	13.0	14.3	13.9	13.5		
5.2	Un-registered	6.8	6.6	6.3	6.0	5.3	4.8	4.6	4.5		
6	Electricity, Gas and Water Supply	1.7	1.9	1.6	1.5	1.7	1.5	1.5	1.0		
7	Construction	9.7	9.5	9.6	9.3	9.0	9.1	8.4	8.6		
	<b>Sub-total: Secondary</b>	<b>32.7</b>	<b>32.4</b>	<b>31.3</b>	<b>30.0</b>	<b>29.1</b>	<b>29.7</b>	<b>28.4</b>	<b>27.6</b>		
8	Trade, Hotels and Restaurants	15.2	16.8	17.3	17.9	16.2	16.6	20.0	20.5		
9	Transport, Storage & Communication	8.1	8.6	8.5	8.8	8.3	8.4	8.1	8.1		
9.1	Railways	1.2	1.4	1.4	1.6	1.2	1.2	0.9	0.8		
9.2	Transport by other means	5.6	6.0	6.0	6.2	6.1	6.3	6.5	6.5		
9.3	Storage	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
9.4	Communication	1.1	1.1	1.0	0.9	0.9	0.9	0.7	0.8		
	<b>Sub-total : Transport, Communication &amp; Trade</b>	<b>24.3</b>	<b>25.4</b>	<b>25.7</b>	<b>26.7</b>	<b>26.5</b>	<b>27.1</b>	<b>28.1</b>	<b>28.6</b>		
10	Banking & Insurance	3.2	3.2	3.3	3.3	3.2	3.0	3.4	3.9		
11	Real Estate, Ownership of Dwellings, Legal & Business Services	8.8	9.7	9.3	9.7	9.5	9.7	9.9	9.6		
	<b>Sub-total : Finance &amp; Real Estate</b>	<b>12.0</b>	<b>12.9</b>	<b>12.6</b>	<b>13.0</b>	<b>12.7</b>	<b>12.7</b>	<b>13.3</b>	<b>13.4</b>		
12	Public Administration	2.5	2.5	2.2	2.2	2.5	2.5	2.5	2.4		
13	Other Services	5.3	5.3	5.3	5.2	5.7	6.6	6.5	6.5		
	<b>Sub-total : Community &amp; Personal Services</b>	<b>7.7</b>	<b>7.8</b>	<b>7.5</b>	<b>7.3</b>	<b>8.1</b>	<b>9.2</b>	<b>9.0</b>	<b>8.9</b>		
	<b>Sub-total : Tertiary</b>	<b>44.0</b>	<b>46.1</b>	<b>45.8</b>	<b>47.0</b>	<b>47.3</b>	<b>48.9</b>	<b>50.5</b>	<b>51.0</b>		
14	<b>Total: Gross State Domestic Product at Factor Cost</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>		

TABLE-5

Composition of Gross State Domestic Product of Haryana at Factor Cost  
by Industry of Origin at Constant (2004-05) Prices

S.No.	Industry	(Percent)									
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12		
1	Agriculture	21.9	19.6	20.2	18.6	18.5	16.2	15.8	15.9		
2	Forestry & Logging	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7		
3	Fishing	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2		
4	Mining & Quarrying	0.2	0.3	0.3	0.3	0.2	0.1	0.0	0.0		
	<b>Sub-total: Primary</b>	<b>23.3</b>	<b>21.1</b>	<b>21.6</b>	<b>19.9</b>	<b>19.7</b>	<b>17.3</b>	<b>16.7</b>	<b>16.8</b>		
5	Manufacturing										
5.1	Registered	21.4	21.1	20.6	20.6	19.6	19.4	19.3	18.5		
5.2	Un-registered	14.5	14.5	14.2	14.3	13.6	13.7	13.8	13.2		
6	Electricity, Gas and Water Supply	6.8	6.6	6.4	6.3	5.9	5.7	5.6	5.3		
7	Construction	1.7	1.7	1.6	1.6	1.6	1.8	1.7	1.7		
		9.7	9.6	9.6	9.0	8.7	8.8	8.2	8.1		
	<b>Sub-total: Secondary</b>	<b>32.7</b>	<b>32.3</b>	<b>31.8</b>	<b>31.3</b>	<b>29.9</b>	<b>30.0</b>	<b>29.3</b>	<b>28.3</b>		
8	Trade, Hotels and Restaurants	16.2	16.7	17.1	18.4	19.2	20.7	22.0	22.2		
9	Transport, Storage & Communication	8.1	8.8	8.8	9.2	9.0	8.8	8.6	8.6		
9.1	Railways	1.2	1.5	1.4	1.7	1.4	1.4	1.1	1.1		
9.2	Transport by other means	5.6	5.9	6.0	6.1	6.1	6.0	6.1	6.0		
9.3	Storage	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0		
9.4	Communication	1.1	1.3	1.3	1.4	1.5	1.5	1.3	1.4		
	<b>Sub-total: Transport, Communication &amp; Trade</b>	<b>24.3</b>	<b>25.5</b>	<b>25.9</b>	<b>27.6</b>	<b>28.2</b>	<b>29.6</b>	<b>30.6</b>	<b>30.8</b>		
10	Banking & Insurance	3.2	3.6	4.0	4.4	4.5	4.6	5.4	6.4		
11	Real Estate, Ownership of Dwellings, Legal & Business Services	8.8	9.7	9.2	9.4	9.4	9.5	9.4	9.0		
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>12.0</b>	<b>13.3</b>	<b>13.2</b>	<b>13.8</b>	<b>13.9</b>	<b>14.2</b>	<b>14.8</b>	<b>15.4</b>		
12	Public Administration	2.5	2.5	2.2	2.2	2.6	2.5	2.5	2.4		
13	Other Services	5.3	5.3	5.2	5.2	5.7	6.4	6.2	6.2		
	<b>Sub-total: Community &amp; Personal Services</b>	<b>7.7</b>	<b>7.7</b>	<b>7.5</b>	<b>7.4</b>	<b>8.3</b>	<b>9.0</b>	<b>8.6</b>	<b>8.6</b>		
	<b>Sub-total: Tertiary</b>	<b>44.0</b>	<b>46.5</b>	<b>46.6</b>	<b>48.8</b>	<b>50.3</b>	<b>52.7</b>	<b>54.0</b>	<b>54.9</b>		
14	<b>Total: Gross State Domestic Product at Factor Cost</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>		

**TABLE-6**  
**Percentage Increase/Decrease in Gross State Domestic Product of Haryana at Factor Cost**  
**by Industry of Origin at Current Prices**

S.No.	Industry	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	Agriculture	3.7	25.8	17.7	24.7	10.7	16.2	18.4
2	Forestry & Logging	8.5	44.0	30.7	3.0	22.9	13.4	4.3
3	Fishing	14.2	24.7	19.3	59.4	15.5	89.5	26.9
4	Mining & Quarrying	83.8	4.6	7.4	-0.9	-46.7	-58.6	11.2
	<b>Sub-total: Primary</b>	<b>4.7</b>	<b>26.3</b>	<b>18.3</b>	<b>23.3</b>	<b>10.9</b>	<b>16.3</b>	<b>17.8</b>
5	Manufacturing	11.8	13.1	12.9	14.7	27.7	14.1	12.3
5.1	Registered	12.9	12.5	13.7	18.2	34.8	14.4	12.3
5.2	Un-registered	9.4	14.4	11.0	7.0	10.4	13.3	12.3
6	Electricity, Gas and Water Supply	29.3	-2.3	8.7	43.6	5.2	21.3	-21.9
7	Construction	12.0	19.0	14.3	17.0	23.6	7.7	20.1
	<b>Sub-total: Secondary</b>	<b>12.7</b>	<b>13.9</b>	<b>13.1</b>	<b>16.8</b>	<b>25.1</b>	<b>12.5</b>	<b>12.8</b>
8	Trade, Hotels and Restaurants	18.0	21.6	22.0	22.3	25.6	26.2	19.2
9	Transport, Storage & Communication	20.6	16.6	21.8	14.2	24.4	13.7	15.7
9.1	Railways	28.4	17.7	33.4	-6.7	19.0	-15.3	8.6
9.2	Transport by other means	20.6	19.4	20.3	19.1	26.5	21.7	15.6
9.3	Storage	-1.7	4.0	74.2	8.8	-16.3	31.1	21.4
9.4	Communication	13.4	0.7	10.4	18.1	21.0	-5.7	24.5
	<b>Sub-total : Transport, Communication &amp; Trade</b>	<b>18.9</b>	<b>19.9</b>	<b>21.9</b>	<b>19.6</b>	<b>25.2</b>	<b>22.3</b>	<b>18.1</b>
10	Banking & Insurance	15.2	20.0	18.1	16.7	14.7	35.1	32.7
11	Real Estate, Ownership of Dwellings, Legal & Business Services	25.3	13.0	22.8	18.0	25.6	20.1	11.5
	<b>Sub-total : Finance &amp; Real Estate</b>	<b>22.5</b>	<b>14.7</b>	<b>21.6</b>	<b>17.7</b>	<b>22.9</b>	<b>23.6</b>	<b>16.9</b>
12	Public Administration	14.1	7.3	12.9	38.1	24.8	15.6	11.1
13	Other Services	14.5	17.2	15.7	31.8	43.2	15.2	16.9
	<b>Sub-total : Community &amp; Personal Services</b>	<b>14.4</b>	<b>14.1</b>	<b>14.9</b>	<b>33.7</b>	<b>37.6</b>	<b>15.3</b>	<b>15.3</b>
	<b>Sub-total : Tertiary</b>	<b>19.1</b>	<b>17.5</b>	<b>20.7</b>	<b>21.3</b>	<b>26.7</b>	<b>21.3</b>	<b>17.3</b>
14	<b>Total: Gross State Domestic Product at Factor Cost</b>	<b>13.7</b>	<b>18.2</b>	<b>17.8</b>	<b>20.4</b>	<b>22.5</b>	<b>17.6</b>	<b>16.1</b>
15	<b>Per Capita Gross State Domestic Product</b>	<b>11.5</b>	<b>16.1</b>	<b>15.7</b>	<b>18.3</b>	<b>20.4</b>	<b>15.7</b>	<b>14.2</b>

**TABLE-7**  
**Percentage Increase/Decrease in Gross State Domestic Product of Haryana at Factor Cost**  
**by Industry of Origin at Constant Prices**

S.No.	Industry	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	Agriculture	-2.1	14.7	-0.3	7.4	-1.7	5.3	8.7
2	Forestry & Logging	2.2	3.0	3.0	2.4	2.1	2.5	2.1
3	Fishing	14.2	24.7	11.9	13.3	15.5	6.6	12.8
4	Mining & Quarrying	84.2	-4.5	3.8	-7.6	-49.6	-58.7	10.9
	<b>Sub-total: Primary</b>	<b>-1.1</b>	<b>13.8</b>	<b>0.0</b>	<b>7.0</b>	<b>-2.0</b>	<b>4.8</b>	<b>8.5</b>
5	Manufacturing	7.7	9.1	8.4	2.6	10.6	8.0	3.3
5.1	Registered	6.6	9.4	9.0	3.2	12.5	8.7	3.3
5.2	Un-registered	5.6	8.3	7.3	1.4	6.2	6.5	3.3
6	Electricity, Gas and Water Supply	6.2	6.4	8.7	9.7	21.2	5.5	7.1
7	Construction	8.8	10.5	2.3	4.7	13.1	1.1	5.4
	<b>Sub-total: Secondary</b>	<b>8.0</b>	<b>9.4</b>	<b>6.6</b>	<b>3.6</b>	<b>11.9</b>	<b>5.8</b>	<b>4.1</b>
8	Trade, Hotels and Restaurants	12.8	14.0	16.3	13.0	20.8	14.9	9.0
9	Transport, Storage & Communication	18.7	11.1	13.9	5.4	9.9	4.9	8.1
9.1	Railways	30.8	7.6	25.7	-7.8	6.2	-8.8	7.5
9.2	Transport by other means	15.0	12.0	11.2	7.0	10.1	9.9	7.5
9.3	Storage	-6.9	-3.8	2.5	2.7	11.0	-4.3	2.4
9.4	Communication	26.0	11.8	13.9	14.1	12.5	-2.4	11.7
	<b>Sub-total :Transport, Communication &amp; Trade</b>	<b>14.8</b>	<b>13.0</b>	<b>15.5</b>	<b>10.5</b>	<b>17.3</b>	<b>11.9</b>	<b>8.8</b>
10	Banking & Insurance	24.0	22.7	19.1	11.8	15.1	25.4	28.5
11	Real Estate, Ownership of Dwellings, Legal & Business Services	20.2	5.9	10.8	7.4	13.4	7.2	3.6
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>21.2</b>	<b>10.5</b>	<b>13.3</b>	<b>8.8</b>	<b>13.9</b>	<b>13.2</b>	<b>12.7</b>
12	Public Administration	9.0	1.2	6.6	25.4	10.8	6.3	4.1
13	Other Services	9.0	10.1	8.2	19.0	25.7	4.0	8.9
	<b>Sub-total: Community &amp; Personal Services</b>	<b>9.0</b>	<b>7.3</b>	<b>7.7</b>	<b>20.9</b>	<b>21.1</b>	<b>4.4</b>	<b>7.5</b>
	<b>Sub-total :Tertiary</b>	<b>15.5</b>	<b>11.3</b>	<b>13.6</b>	<b>11.6</b>	<b>17.0</b>	<b>11.0</b>	<b>9.6</b>
14	<b>Total :Gross State Domestic Product at Factor Cost</b>	<b>9.2</b>	<b>11.2</b>	<b>8.4</b>	<b>8.2</b>	<b>11.7</b>	<b>8.4</b>	<b>7.8</b>
15	<b>Per Capita Gross State Domestic Product</b>	<b>7.2</b>	<b>9.2</b>	<b>6.5</b>	<b>6.3</b>	<b>9.8</b>	<b>6.6</b>	<b>6.1</b>

**TABLE-8**  
**Index Number of Gross State Domestic Product of Haryana at Factor Cost**  
**by Industry of Origin at Current Prices**

S.No.	Industry	(Base 2004-05=100)									
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12		
1	Agriculture	100.0	103.7	130.5	153.5	191.4	211.9	246.3	291.7		
2	Forestry & Logging	100.0	108.5	156.3	204.2	210.3	258.5	293.2	305.9		
3	Fishing	100.0	114.2	142.4	170.0	270.9	312.9	593.1	752.8		
4	Mining & Quarrying	100.0	183.8	192.3	206.6	204.8	109.2	45.3	50.3		
	<b>Sub-total: Primary</b>	<b>100.0</b>	<b>104.7</b>	<b>132.3</b>	<b>156.4</b>	<b>192.8</b>	<b>213.7</b>	<b>248.5</b>	<b>292.6</b>		
5	Manufacturing	100.0	111.8	126.4	142.7	163.7	209.0	238.5	267.9		
5.1	Registered	100.0	112.9	127.0	144.5	170.7	230.0	263.1	295.6		
5.2	Un-registered	100.0	109.4	125.1	136.9	148.7	164.1	186.0	209.0		
6	Electricity, Gas and Water Supply	100.0	129.3	126.4	137.4	197.3	207.5	251.7	196.6		
7	Construction	100.0	112.0	133.3	152.4	176.4	220.4	237.5	285.3		
	<b>Sub-total: Secondary</b>	<b>100.0</b>	<b>112.7</b>	<b>128.4</b>	<b>145.3</b>	<b>169.7</b>	<b>212.3</b>	<b>238.9</b>	<b>269.4</b>		
8	Trade, Hotels and Restaurants	100.0	116.0	143.5	175.1	214.2	269.0	339.4	404.4		
9	Transport, Storage & Communication	100.0	120.6	140.6	171.1	195.4	243.1	276.4	319.7		
9.1	Railways	100.0	126.4	151.2	201.6	186.2	224.0	189.6	205.9		
9.2	Transport by other means	100.0	120.6	144.0	173.3	206.4	261.1	317.8	367.3		
9.3	Storage	100.0	98.3	102.2	178.0	193.7	162.2	212.7	258.2		
9.4	Communication	100.0	113.4	114.2	126.1	148.9	180.2	170.0	211.6		
	<b>Sub-total : Transport, Communication &amp; Trade</b>	<b>100.0</b>	<b>118.9</b>	<b>142.5</b>	<b>173.8</b>	<b>207.9</b>	<b>260.4</b>	<b>318.4</b>	<b>376.1</b>		
10	Banking & Insurance	100.0	115.2	138.3	163.2	190.4	218.5	295.1	391.6		
11	Real Estate, Ownership of Dwellings, Legal & Business Services	100.0	125.3	141.6	173.9	205.3	257.7	309.6	345.3		
	<b>Sub-total : Finance &amp; Real Estate</b>	<b>100.0</b>	<b>122.6</b>	<b>140.7</b>	<b>171.1</b>	<b>201.3</b>	<b>247.4</b>	<b>305.7</b>	<b>357.5</b>		
12	Public Administration	100.0	114.1	122.5	138.2	190.9	238.3	275.5	306.0		
13	Other Services	100.0	114.5	134.2	155.3	204.7	293.2	337.6	394.8		
	<b>Sub-total : Community &amp; Personal Services</b>	<b>100.0</b>	<b>114.4</b>	<b>130.5</b>	<b>149.9</b>	<b>200.3</b>	<b>275.7</b>	<b>317.9</b>	<b>366.6</b>		
	<b>Sub-total : Tertiary</b>	<b>100.0</b>	<b>119.1</b>	<b>139.9</b>	<b>168.9</b>	<b>204.8</b>	<b>259.5</b>	<b>314.9</b>	<b>369.4</b>		
14	<b>Total: Gross State Domestic Product at Factor Cost</b>	<b>100.0</b>	<b>113.7</b>	<b>134.4</b>	<b>158.3</b>	<b>190.5</b>	<b>233.4</b>	<b>274.6</b>	<b>318.8</b>		
15	<b>Per Capita Gross State Domestic Product</b>	<b>100.0</b>	<b>111.5</b>	<b>128.5</b>	<b>149.7</b>	<b>177.1</b>	<b>213.3</b>	<b>246.7</b>	<b>281.8</b>		

**TABLE-9**  
**Index Number of Gross State Domestic Product of Haryana at Factor Cost**  
**by Industry of Origin at Costant (2004-05) Prices**

S.No.	Industry	(Base 2004-05=100)									
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12		
1	Agriculture	100.0	97.9	112.3	111.9	120.2	118.1	124.4	135.3		
2	Forestry & Logging	100.0	102.2	105.3	106.4	111.1	113.4	116.2	118.7		
3	Fishing	100.0	114.2	142.4	159.4	180.6	208.6	222.4	250.9		
4	Mining & Quarrying	100.0	184.2	175.9	182.6	166.5	85.0	35.1	39.0		
	<b>Sub-total: Primary</b>	<b>100.0</b>	<b>98.9</b>	<b>112.6</b>	<b>112.6</b>	<b>120.5</b>	<b>118.1</b>	<b>123.8</b>	<b>134.2</b>		
5	Manufacturing	100.0	107.7	117.4	127.4	130.7	144.6	156.2	161.4		
5.1	Registered	100.0	108.6	118.9	129.6	133.7	150.4	163.5	168.9		
5.2	Un-registered	100.0	105.6	114.3	122.7	124.4	132.2	140.8	145.4		
6	Electricity, Gas and Water Supply	100.0	108.2	115.1	125.2	137.3	166.4	175.6	188.0		
7	Construction	100.0	108.8	120.2	123.0	128.8	145.6	147.2	155.1		
	<b>Sub-total: Secondary</b>	<b>100.0</b>	<b>108.0</b>	<b>118.1</b>	<b>126.0</b>	<b>130.5</b>	<b>146.0</b>	<b>154.5</b>	<b>160.9</b>		
8	Trade, Hotels and Restaurants	100.0	112.6	128.6	149.5	169.0	204.1	234.6	255.8		
9	Transport, Storage & Communication	100.0	118.7	131.9	150.3	158.4	174.0	182.6	197.4		
9.1	Railways	100.0	130.8	140.7	176.9	163.2	173.3	158.1	169.9		
9.2	Transport by other means	100.0	115.0	128.7	143.2	153.2	168.7	185.4	199.3		
9.3	Storage	100.0	93.1	89.5	91.7	94.2	104.6	100.1	102.5		
9.4	Communication	100.0	126.0	140.9	160.5	183.2	206.1	201.2	224.8		
	<b>Sub-total: Transport, Communication &amp; Trade</b>	<b>100.0</b>	<b>114.8</b>	<b>129.7</b>	<b>149.8</b>	<b>165.4</b>	<b>194.1</b>	<b>217.2</b>	<b>236.3</b>		
10	Banking & Insurance	100.0	124.0	152.2	181.2	202.6	233.1	292.4	375.6		
11	Real Estate, Ownership of Dwellings, Legal & Business Services	100.0	120.2	127.3	141.1	151.5	171.7	184.1	190.8		
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>100.0</b>	<b>121.2</b>	<b>133.9</b>	<b>151.7</b>	<b>165.0</b>	<b>188.0</b>	<b>212.7</b>	<b>239.6</b>		
12	Public Administration	100.0	109.0	110.3	117.6	147.5	163.5	172.2	179.2		
13	Other Services	100.0	109.0	119.9	129.8	154.4	194.0	201.8	219.6		
	<b>Sub-total: Community &amp; Personal Services</b>	<b>100.0</b>	<b>109.0</b>	<b>116.9</b>	<b>125.9</b>	<b>152.2</b>	<b>184.3</b>	<b>192.4</b>	<b>206.9</b>		
	<b>Sub-total: Tertiary</b>	<b>100.0</b>	<b>115.5</b>	<b>128.6</b>	<b>146.1</b>	<b>163.0</b>	<b>190.7</b>	<b>211.6</b>	<b>232.0</b>		
14	<b>Total: Gross State Domestic Product at Factor Cost</b>	<b>100.0</b>	<b>109.2</b>	<b>121.5</b>	<b>131.7</b>	<b>142.5</b>	<b>159.2</b>	<b>172.5</b>	<b>186.0</b>		
15	<b>Per Capita Gross State Domestic Product</b>	<b>100.0</b>	<b>107.2</b>	<b>117.0</b>	<b>124.6</b>	<b>132.4</b>	<b>145.4</b>	<b>155.0</b>	<b>164.4</b>		

TABLE-10

## Net State Domestic Product of Haryana at Factor Cost by Industry of Origin at Current Prices

S.No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	Agriculture	19844.88	20511.30	25944.83	30536.87	38202.87	42129.13	48760.97	57753.32
2	Forestry & Logging	1025.94	1111.65	1604.41	2105.21	2155.55	2650.36	3011.95	3139.88
3	Fishing	99.70	114.38	142.15	168.01	265.59	303.30	576.90	732.21
4	Mining & Quarrying	161.20	291.65	304.02	326.38	318.12	162.07	70.66	78.60
	<b>Sub-total: Primary</b>	<b>21131.72</b>	<b>22029.18</b>	<b>27995.41</b>	<b>33136.47</b>	<b>40942.13</b>	<b>45244.86</b>	<b>52420.48</b>	<b>61704.01</b>
5	<b>Manufacturing</b>	<b>16282.05</b>	<b>18284.74</b>	<b>20465.27</b>	<b>22545.33</b>	<b>25723.71</b>	<b>34722.95</b>	<b>39035.95</b>	<b>43271.35</b>
	5.1 Registered	11022.27	12567.81	13914.87	15206.03	17977.10	26240.39	29319.79	32402.34
	5.2 Un-registered	5259.78	5716.93	6550.40	7339.30	7746.61	8482.56	9716.16	10869.01
6	Electricity, Gas and Water Supply	922.16	1163.31	1110.44	1201.65	1688.20	1855.41	2257.79	1763.15
7	Construction	8837.06	9893.37	11750.68	13407.89	15684.65	19321.09	20798.00	24983.07
	<b>Sub-total: Secondary</b>	<b>26041.27</b>	<b>29341.42</b>	<b>33326.39</b>	<b>37154.87</b>	<b>43096.56</b>	<b>55909.45</b>	<b>62091.74</b>	<b>70017.57</b>
8	Trade, Hotels and Restaurants	15152.40	17885.62	21770.20	26566.97	32433.00	40813.56	51472.95	61332.45
9	<b>Transport, Storage &amp; Communication</b>	<b>6749.01</b>	<b>8088.72</b>	<b>9485.09</b>	<b>11668.97</b>	<b>13369.46</b>	<b>16801.55</b>	<b>19314.19</b>	<b>22254.24</b>
	9.1 Railways	828.10	1026.34	1231.66	1759.76	1528.42	1868.87	1514.79	1678.45
	9.2 Transport by other means	4942.52	5969.08	7142.11	8646.42	10406.57	13258.93	16193.98	18560.16
	9.3 Storage	72.71	70.78	73.09	130.10	142.03	115.82	153.96	187.01
	9.4 Communication	905.68	1022.52	1038.23	1132.69	1312.44	1557.93	1451.46	1828.62
	<b>Sub-total: Transport, Communication &amp; Trade</b>	<b>21901.41</b>	<b>25974.34</b>	<b>31255.29</b>	<b>38235.94</b>	<b>45822.46</b>	<b>57615.11</b>	<b>70787.14</b>	<b>83586.69</b>
10	Banking & Insurance	2979.88	3431.25	4120.56	4867.80	5684.68	6522.99	8822.42	11699.60
11	Real Estate, Ownership of Dwellings, Legal & Business Services	7408.88	9413.72	10602.84	13088.61	15396.82	19507.14	23462.81	26048.47
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>10388.76</b>	<b>12844.97</b>	<b>14723.40</b>	<b>17956.41</b>	<b>21081.50</b>	<b>26030.13</b>	<b>32285.23</b>	<b>37748.07</b>
12	Public Administration	1904.43	2176.47	2329.31	2617.44	3775.94	4739.18	5462.69	6000.83
13	Other Services	4854.69	5536.79	6473.75	7482.79	9917.71	14316.19	16507.80	19237.61
	<b>Sub-total: Community &amp; Personal Services</b>	<b>6759.12</b>	<b>7713.26</b>	<b>8803.06</b>	<b>10100.23</b>	<b>13693.65</b>	<b>19055.37</b>	<b>21970.49</b>	<b>25238.44</b>
	<b>Sub-total: Tertiary</b>	<b>39049.29</b>	<b>46532.57</b>	<b>54781.75</b>	<b>66292.58</b>	<b>80597.61</b>	<b>102700.61</b>	<b>125042.86</b>	<b>146573.20</b>
14	<b>Total: Net State Domestic Product at Factor Cost</b>	<b>86222.28</b>	<b>97903.17</b>	<b>116103.55</b>	<b>136583.92</b>	<b>164636.30</b>	<b>203854.92</b>	<b>239555.08</b>	<b>278294.78</b>
15	<b>Per Capita Income(Rs.)</b>	<b>37972</b>	<b>42309</b>	<b>49261</b>	<b>56917</b>	<b>67405</b>	<b>82037</b>	<b>94798</b>	<b>108345</b>

**TABLE-11**  
**Net State Domestic Product of Haryana at Factor Cost by Industry of Origin at Constant (2004-05) Prices**

S.No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	Agriculture	19844.88	19340.33	22267.84	22058.04	23677.64	23111.90	24189.00	26297.59
2	Forestry & Logging	1025.94	1047.34	1076.20	1112.20	1130.59	1152.84	1185.36	1208.63
3	Fishing	96.70	114.88	143.30	158.57	169.89	194.99	177.57	223.64
4	Mining & Quarrying	161.20	294.97	277.96	288.71	260.88	125.28	55.37	61.41
	<b>Sub-total: Primary</b>	<b>21131.72</b>	<b>20797.52</b>	<b>23765.30</b>	<b>23617.52</b>	<b>25239.00</b>	<b>24585.01</b>	<b>25607.30</b>	<b>27791.27</b>
5	<b>Manufacturing</b>	<b>16282.05</b>	<b>17608.01</b>	<b>19007.76</b>	<b>20056.38</b>	<b>20068.16</b>	<b>22889.12</b>	<b>24125.87</b>	<b>24925.01</b>
	5.1 Registered	11022.27	12080.96	13023.38	13576.39	13604.76	16091.22	16841.52	17399.50
	5.2 Un-registered	5259.78	5527.05	5984.38	6479.99	6463.40	6797.90	7284.35	7525.51
6	Electricity, Gas and Water Supply	922.16	860.12	1009.42	1125.43	964.96	1522.56	1484.71	1589.81
7	Construction	8837.05	9612.75	10571.20	10745.92	11203.99	12581.09	12677.02	13370.02
	<b>Sub-total: Secondary</b>	<b>26041.27</b>	<b>28080.88</b>	<b>30598.38</b>	<b>31927.73</b>	<b>32237.11</b>	<b>36992.77</b>	<b>38287.60</b>	<b>39884.84</b>
8	Trade, Hotels and Restaurants	15152.40	17094.82	19495.56	22674.67	25587.03	30960.45	35531.45	38754.79
9	Transport, Storage & Communication	6749.01	7979.22	8902.95	10219.58	10806.56	11804.77	12490.38	13480.13
	9.1 Railways	828.10	1064.73	1145.70	1548.46	1377.36	1410.13	1310.09	1403.26
	9.2 Transport by other means	4942.52	5679.25	6349.70	7074.05	7631.11	8400.98	9219.54	9910.40
	9.3 Storage	72.71	66.98	63.90	65.34	67.58	74.03	70.87	72.59
	9.4 Communication	905.68	1168.26	1343.65	1531.73	1730.51	1919.63	1889.88	2093.86
	<b>Sub-total: Transport, Communication &amp; Trade</b>	<b>21901.41</b>	<b>25074.04</b>	<b>28398.51</b>	<b>32894.25</b>	<b>36393.59</b>	<b>42765.22</b>	<b>48021.83</b>	<b>52234.92</b>
10	Banking & Insurance	2979.88	3701.23	4547.94	5422.56	6065.90	6984.89	8766.22	11256.69
11	Real Estate, Ownership of Dwellings, Legal & Business Services	7408.88	9016.79	9534.41	10589.24	11320.64	12859.57	13729.46	14230.21
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>10388.76</b>	<b>12718.02</b>	<b>14082.35</b>	<b>16011.80</b>	<b>17387.54</b>	<b>19844.46</b>	<b>22495.68</b>	<b>25486.90</b>
12	Public Administration	1904.43	2074.01	2089.07	2211.42	2884.82	3189.65	3333.75	3422.59
13	Other Services	4854.69	5266.99	5776.88	6233.20	7446.33	9402.88	9769.76	10631.82
	<b>Sub-total: Community &amp; Personal Services</b>	<b>6759.12</b>	<b>7341.00</b>	<b>7865.95</b>	<b>8444.62</b>	<b>10331.15</b>	<b>12592.53</b>	<b>13103.53</b>	<b>14054.41</b>
	<b>Sub-total: Tertiary</b>	<b>39049.29</b>	<b>45133.06</b>	<b>50346.81</b>	<b>57350.67</b>	<b>64112.28</b>	<b>75202.21</b>	<b>83621.04</b>	<b>91776.23</b>
14	<b>Total: Net State Domestic Product at Factor Cost</b>	<b>86222.28</b>	<b>94011.46</b>	<b>104700.49</b>	<b>112895.92</b>	<b>121588.39</b>	<b>136779.99</b>	<b>147515.94</b>	<b>159452.34</b>
15	<b>Per Capita Income(Rs.)</b>	<b>37972</b>	<b>40627</b>	<b>44423</b>	<b>47046</b>	<b>49780</b>	<b>55044</b>	<b>58376</b>	<b>62078</b>



TABLE-12

Composition of Net State Domestic Product of Haryana at Factor Cost  
by Industry of Origin at Current Prices

S.No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	(Percent)
1	Agriculture	23.0	21.0	22.3	22.4	23.2	20.7	20.4	20.8	
2	Forestry & Logging	1.2	1.1	1.4	1.5	1.3	1.3	1.3	1.1	
3	Fishing	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.3	
4	Mining & Quarrying	0.2	0.3	0.3	0.2	0.2	0.1	0.0	0.0	
	<b>Sub-total: Primary</b>	<b>24.5</b>	<b>22.5</b>	<b>24.1</b>	<b>24.3</b>	<b>24.9</b>	<b>22.2</b>	<b>21.9</b>	<b>22.2</b>	
5	Manufacturing	18.9	18.7	17.6	16.5	15.6	17.0	16.3	15.5	
5.1	Registered	12.8	12.8	12.0	11.1	10.9	12.9	12.2	11.6	
5.2	Un-registered	6.1	5.8	5.6	5.4	4.7	4.2	4.1	3.9	
6	Electricity, Gas and Water Supply	1.1	1.2	1.0	0.9	1.0	0.9	0.9	0.6	
7	Construction	10.2	10.1	10.1	9.8	9.5	9.5	8.7	9.0	
	<b>Sub-total: Secondary</b>	<b>30.2</b>	<b>30.0</b>	<b>28.7</b>	<b>27.2</b>	<b>26.2</b>	<b>27.4</b>	<b>25.9</b>	<b>25.2</b>	
8	Trade, Hotels and Restaurants	17.6	18.3	18.8	19.5	19.7	20.0	21.5	22.0	
9	Transport, Storage & Communication	7.8	8.3	8.2	8.5	8.1	8.2	8.1	8.0	
9.1	Railways	1.0	1.0	1.1	1.3	0.9	0.9	0.6	0.6	
9.2	Transport by other means	5.7	6.1	6.2	6.3	6.3	6.5	6.8	6.7	
9.3	Storage	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
9.4	Communication	1.1	1.0	0.9	0.8	0.8	0.8	0.6	0.7	
	<b>Sub-total: Transport, Communication &amp; Trade</b>	<b>25.4</b>	<b>26.5</b>	<b>25.9</b>	<b>28.0</b>	<b>27.8</b>	<b>28.3</b>	<b>29.5</b>	<b>30.0</b>	
10	Banking & Insurance	3.5	3.5	3.5	3.6	3.5	3.2	3.7	4.2	
11	Real Estate, Ownership of Dwellings, Legal & Business Services	8.6	9.6	9.1	9.6	9.4	9.6	9.8	9.4	
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>12.0</b>	<b>13.1</b>	<b>12.7</b>	<b>13.1</b>	<b>12.8</b>	<b>12.8</b>	<b>13.5</b>	<b>13.6</b>	
12	Public Administration	2.2	2.2	2.0	1.9	2.3	2.3	2.3	2.2	
13	Other Services	5.6	5.7	5.6	5.5	6.0	7.0	6.9	6.9	
	<b>Sub-total: Community &amp; Personal Services</b>	<b>7.8</b>	<b>7.9</b>	<b>7.6</b>	<b>7.4</b>	<b>8.3</b>	<b>9.3</b>	<b>9.2</b>	<b>9.1</b>	
	<b>Sub-total: Tertiary</b>	<b>45.3</b>	<b>47.5</b>	<b>47.2</b>	<b>48.5</b>	<b>49.0</b>	<b>50.4</b>	<b>52.2</b>	<b>52.7</b>	
14	<b>Total : Net State Domestic Product at Factor Cost</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	



**TABLE-14**  
**Percentage Increase/Decrease in Net State Domestic Product of Haryana at Factor Cost**  
**by Industry of Origin at Current Prices**

S.No.	Industry	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	Agriculture	3.4	26.5	17.7	25.1	10.3	15.7	18.4
2	Forestry & Logging	8.4	44.3	31.2	2.4	23.0	13.6	4.2
3	Fishing	14.7	24.3	16.2	58.1	14.2	90.2	26.9
4	Mining & Quarrying	80.9	4.2	7.4	-2.5	-49.1	-56.4	11.2
	<b>Sub-total: Primary</b>	<b>4.2</b>	<b>27.1</b>	<b>18.4</b>	<b>23.6</b>	<b>10.5</b>	<b>15.9</b>	<b>17.7</b>
5	<b>Manufacturing</b>	<b>12.3</b>	<b>11.9</b>	<b>10.2</b>	<b>14.1</b>	<b>35.0</b>	<b>12.4</b>	<b>10.8</b>
5.1	Registered	14.0	10.7	9.3	18.2	46.0	11.7	10.5
5.2	Un-registered	8.7	14.6	12.0	5.5	9.5	14.5	11.9
6	Electricity, Gas and Water Supply	26.2	-4.5	8.2	40.5	10.5	21.0	-21.9
7	Construction	12.0	18.8	14.1	17.0	23.2	7.6	20.1
	<b>Sub-total: Secondary</b>	<b>12.7</b>	<b>13.6</b>	<b>11.5</b>	<b>16.0</b>	<b>29.7</b>	<b>11.1</b>	<b>12.8</b>
8	Trade, Hotels and Restaurants	18.0	21.7	22.0	22.1	25.8	26.1	19.2
9	<b>Transport, Storage &amp; Communication</b>	<b>19.9</b>	<b>17.3</b>	<b>23.0</b>	<b>14.7</b>	<b>25.5</b>	<b>15.0</b>	<b>15.2</b>
9.1	Railways	23.9	20.0	42.9	-13.1	22.3	-18.9	10.8
9.2	Transport by other means	20.8	19.7	21.1	20.4	27.4	22.1	14.6
9.3	Storage	-2.7	3.3	76.0	9.2	-18.5	32.9	21.5
9.4	Communication	12.9	1.5	9.1	15.9	18.7	-6.8	26.0
	<b>Sub-total :Transport, Communication &amp; Trade</b>	<b>18.6</b>	<b>20.3</b>	<b>22.3</b>	<b>19.8</b>	<b>25.7</b>	<b>22.9</b>	<b>18.1</b>
10	Banking & Insurance	15.1	20.1	18.1	16.8	14.7	35.3	32.6
11	Real Estate, Ownership of Dwellings, Legal & Business Services	27.1	12.6	23.4	17.6	26.7	20.3	11.0
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>23.6</b>	<b>14.6</b>	<b>22.0</b>	<b>17.4</b>	<b>23.5</b>	<b>24.0</b>	<b>16.9</b>
12	Public Administration	14.3	7.0	12.4	44.3	25.5	15.3	9.9
13	Other Services	14.1	16.9	15.6	32.5	44.3	15.3	16.5
	<b>Sub-total: Community &amp; Personal Services</b>	<b>14.1</b>	<b>14.1</b>	<b>14.7</b>	<b>35.6</b>	<b>39.2</b>	<b>15.3</b>	<b>14.9</b>
	<b>Sub-total: Tertiary</b>	<b>19.2</b>	<b>17.7</b>	<b>21.0</b>	<b>21.6</b>	<b>27.4</b>	<b>21.8</b>	<b>17.2</b>
14	<b>Total :Net State Domestic Product at Factor Cost</b>	<b>13.5</b>	<b>18.6</b>	<b>17.6</b>	<b>20.5</b>	<b>23.8</b>	<b>17.5</b>	<b>16.2</b>
15	<b>Per Capita Net State Domestic Product</b>	<b>11.4</b>	<b>16.4</b>	<b>15.5</b>	<b>18.4</b>	<b>21.7</b>	<b>15.6</b>	<b>14.3</b>

**TABLE-15**  
**Percentage Increase/Decrease in Net State Domestic Product of Haryana at Factor Cost**  
**by Industry of Origin at Constant (2004-05) Prices**

S.No.	Industry	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	Agriculture	-2.5	15.1	-0.9	7.3	-2.4	4.7	8.7
2	Forestry & Logging	2.1	2.8	3.3	1.7	2.0	2.8	2.0
3	Fishing	15.2	24.7	10.7	7.1	14.8	-8.9	25.9
4	Mining & Quarrying	83.0	-5.8	3.9	-9.6	-52.0	-55.8	10.9
	<b>Sub-total: Primary</b>	<b>-1.6</b>	<b>14.3</b>	<b>-0.6</b>	<b>6.9</b>	<b>-2.6</b>	<b>4.2</b>	<b>8.5</b>
5	Manufacturing	8.1	7.9	5.5	0.1	14.1	5.4	3.3
5.1	Registered	9.6	7.8	4.2	0.2	18.3	4.7	3.3
5.2	Un-registered	5.1	8.3	6.3	-0.3	5.2	7.2	3.3
6	Electricity, Gas and Water Supply	-6.7	17.4	11.5	-14.3	57.8	-2.5	7.1
7	Construction	8.8	10.0	1.7	4.3	12.3	0.8	5.5
	<b>Sub-total: Secondary</b>	<b>7.8</b>	<b>8.9</b>	<b>4.4</b>	<b>1.0</b>	<b>14.8</b>	<b>3.5</b>	<b>4.2</b>
8	Trade, Hotels and Restaurants	12.8	14.0	16.3	12.8	21.0	14.8	9.1
9	Transport, Storage & Communication	18.2	11.6	14.8	5.7	9.2	5.8	7.9
9.1	Railways	28.6	7.6	35.2	-11.0	2.4	-7.1	7.1
9.2	Transport by other means	14.9	11.8	11.4	7.9	10.1	9.7	7.5
9.3	Storage	-7.9	-4.6	2.3	3.4	9.5	-4.3	2.4
9.4	Communication	29.0	15.0	14.0	13.0	10.9	-1.5	10.8
	<b>Sub-total: Transport, Communication &amp; Trade</b>	<b>14.5</b>	<b>13.3</b>	<b>15.8</b>	<b>10.6</b>	<b>17.5</b>	<b>12.3</b>	<b>8.8</b>
10	Banking & Insurance	24.2	22.9	19.2	11.9	15.1	25.5	28.4
11	Real Estate, Ownership of Dwellings, Legal & Business Services	21.7	5.7	11.1	6.9	13.6	6.8	3.6
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>22.4</b>	<b>10.7</b>	<b>13.7</b>	<b>8.6</b>	<b>14.1</b>	<b>13.4</b>	<b>13.3</b>
12	Public Administration	8.9	0.7	5.9	30.5	10.6	4.5	2.7
13	Other Services	8.5	9.7	7.9	19.5	26.3	3.9	8.8
	<b>Sub-total: Community &amp; Personal Services</b>	<b>8.6</b>	<b>7.2</b>	<b>7.4</b>	<b>22.3</b>	<b>21.9</b>	<b>4.1</b>	<b>7.3</b>
	<b>Sub-total : Tertiary</b>	<b>15.6</b>	<b>11.6</b>	<b>13.9</b>	<b>11.8</b>	<b>17.3</b>	<b>11.2</b>	<b>9.8</b>
14	Total: Net State Domestic Product at Factor Cost	9.0	11.4	7.6	7.7	12.5	7.8	8.1
15	Per Capita Net State Domestic Product	7.0	9.3	5.9	5.8	10.6	6.1	6.3

**TABLE-16**  
**Index Number of Net State Domestic Product of Haryana at Factor Cost**  
**by Industry of Origin at Current Prices**

S.No.	Industry	(Base 2004-05=100)									
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12		
1	Agriculture	100.0	103.4	130.7	153.9	192.5	212.3	245.7	291.0		
2	Forestry & Logging	100.0	108.4	156.4	205.2	210.1	258.3	293.6	306.0		
3	Fishing	100.0	114.7	142.6	168.5	266.4	304.2	578.6	734.4		
4	Mining & Quarrying	100.0	180.9	188.6	202.5	197.3	100.5	43.8	48.8		
	<b>Sub-total: Primary</b>	<b>100.0</b>	<b>104.2</b>	<b>132.5</b>	<b>156.8</b>	<b>193.7</b>	<b>214.1</b>	<b>248.1</b>	<b>292.0</b>		
5	Manufacturing	100.0	112.3	125.7	138.5	158.0	213.3	239.7	265.8		
	5.1 Registered	100.0	114.0	126.2	138.0	163.1	238.1	266.0	294.0		
	5.2 Un-registered	100.0	106.7	124.5	139.5	147.3	161.3	184.7	206.6		
6	Electricity, Gas and Water Supply	100.0	126.2	120.4	130.3	183.1	202.3	244.8	191.2		
7	Construction	100.0	112.0	133.0	151.7	177.5	218.6	235.3	282.7		
	<b>Sub-total: Secondary</b>	<b>100.0</b>	<b>112.7</b>	<b>128.0</b>	<b>142.7</b>	<b>165.5</b>	<b>214.7</b>	<b>238.4</b>	<b>268.9</b>		
8	Trade, Hotels and Restaurants	100.0	118.0	143.7	175.3	214.0	269.4	339.7	404.8		
9	Transport, Storage & Communication	100.0	119.9	140.5	172.9	198.4	248.9	286.2	329.7		
	9.1 Railways	100.0	123.9	148.7	212.5	184.6	225.7	182.9	202.7		
	9.2 Transport by other means	100.0	120.8	144.5	174.9	210.6	268.3	327.6	375.5		
	9.3 Storage	100.0	97.3	100.5	178.9	185.3	159.3	211.7	257.2		
	9.4 Communication	100.0	112.9	114.6	125.1	144.9	172.0	160.3	201.9		
	<b>Sub-total: Transport, Communication &amp; Trade</b>	<b>100.0</b>	<b>118.6</b>	<b>142.7</b>	<b>174.6</b>	<b>209.2</b>	<b>263.1</b>	<b>323.2</b>	<b>381.6</b>		
10	Banking & Insurance	100.0	115.1	138.3	163.4	190.8	218.9	296.1	392.6		
11	Real Estate, Ownership of Dwellings, Legal & Business Services	100.0	127.1	143.1	176.7	207.6	263.3	316.7	351.6		
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>100.0</b>	<b>123.6</b>	<b>141.7</b>	<b>172.8</b>	<b>202.9</b>	<b>250.6</b>	<b>310.8</b>	<b>363.4</b>		
12	Public Administration	100.0	114.3	122.3	137.4	198.3	248.9	286.8	315.1		
13	Other Services	100.0	114.1	133.4	154.1	204.3	294.9	340.0	396.3		
	<b>Sub-total: Community &amp; Personal Services</b>	<b>100.0</b>	<b>114.1</b>	<b>130.2</b>	<b>149.4</b>	<b>202.6</b>	<b>281.9</b>	<b>325.0</b>	<b>373.4</b>		
	<b>Sub-total: Tertiary</b>	<b>100.0</b>	<b>119.2</b>	<b>140.3</b>	<b>169.8</b>	<b>206.4</b>	<b>263.0</b>	<b>320.2</b>	<b>375.4</b>		
14	<b>Total :Net State Domestic Product at Factor Cost</b>	<b>100.0</b>	<b>113.5</b>	<b>134.7</b>	<b>158.4</b>	<b>190.9</b>	<b>236.4</b>	<b>277.8</b>	<b>322.8</b>		
15	<b>Per Capita Net State Domestic Product</b>	<b>100.0</b>	<b>111.4</b>	<b>129.7</b>	<b>149.9</b>	<b>177.5</b>	<b>216.0</b>	<b>249.7</b>	<b>285.3</b>		

TABLE-17

Index Number of Net State Domestic Product of Haryana at Factor Cost  
by Industry of Origin at Constant(2004-05) Prices

S.No.	Industry	(Base 2004-05=100)									
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12		
1	Agriculture	100.0	97.5	112.2	111.2	119.3	115.5	121.9	132.5		
2	Forestry & Logging	100.0	102.1	104.9	108.4	110.2	112.4	115.5	117.8		
3	Fishing	100.0	115.2	143.7	158.0	170.4	195.6	178.1	224.3		
4	Mining & Quarrying	100.0	183.0	172.4	179.1	161.8	77.7	34.3	38.1		
	<b>Sub-total: Primary</b>	<b>100.0</b>	<b>98.4</b>	<b>112.5</b>	<b>111.8</b>	<b>119.4</b>	<b>116.3</b>	<b>121.2</b>	<b>131.5</b>		
5	Manufacturing	100.0	108.1	116.7	123.2	123.3	140.6	148.2	153.1		
	5.1 Registered	100.0	109.6	118.2	123.2	123.4	146.0	152.8	157.9		
	5.2 Un-registered	100.0	105.1	113.8	123.2	122.9	129.2	138.5	143.1		
6	Electricity, Gas and Water Supply	100.0	93.3	109.5	122.0	104.6	165.1	161.0	172.4		
7	Construction	100.0	108.8	119.6	121.6	126.8	142.4	143.5	151.3		
	<b>Sub-total: Secondary</b>	<b>100.0</b>	<b>107.8</b>	<b>117.5</b>	<b>122.6</b>	<b>123.8</b>	<b>142.1</b>	<b>147.0</b>	<b>153.2</b>		
8	Trade, Hotels and Restaurants	100.0	112.8	128.7	149.6	168.9	204.3	234.5	255.6		
9	Transport, Storage & Communication	100.0	118.2	131.9	151.4	160.1	174.9	185.1	199.7		
	9.1 Railways	100.0	128.6	138.4	167.0	166.3	170.3	158.2	169.5		
	9.2 Transport by other means	100.0	114.9	128.5	143.1	154.4	170.0	186.5	200.5		
	9.3 Storage	100.0	92.1	87.9	89.9	92.9	101.8	97.5	99.8		
	9.4 Communication	100.0	129.0	148.4	169.1	191.1	212.0	208.7	231.2		
	<b>Sub-total: Transport, Communication &amp; Trade</b>	<b>100.0</b>	<b>114.5</b>	<b>129.7</b>	<b>150.2</b>	<b>166.2</b>	<b>195.3</b>	<b>219.3</b>	<b>238.5</b>		
10	Banking & Insurance	100.0	124.2	152.6	182.0	203.6	234.4	294.2	377.8		
11	Real Estate, Ownership of Dwellings, Legal & Business Services	100.0	121.7	126.7	142.9	152.8	173.6	185.3	192.1		
	<b>Sub-total: Finance &amp; Real Estate</b>	<b>100.0</b>	<b>122.4</b>	<b>135.6</b>	<b>154.1</b>	<b>167.4</b>	<b>191.0</b>	<b>216.5</b>	<b>245.3</b>		
12	Public Administration	100.0	108.9	109.7	116.1	151.5	167.5	175.1	179.7		
13	Other Services	100.0	108.5	119.0	128.4	153.4	193.7	201.2	219.0		
	<b>Sub-total: Community &amp; Personal Services</b>	<b>100.0</b>	<b>108.5</b>	<b>116.4</b>	<b>124.9</b>	<b>152.8</b>	<b>186.3</b>	<b>193.9</b>	<b>207.9</b>		
	<b>Sub-total: Tertiary</b>	<b>100.0</b>	<b>115.6</b>	<b>128.9</b>	<b>146.9</b>	<b>164.2</b>	<b>192.6</b>	<b>214.1</b>	<b>235.0</b>		
14	<b>Total: Net State Domestic Product at Factor Cost</b>	<b>100.0</b>	<b>109.0</b>	<b>121.4</b>	<b>130.9</b>	<b>141.0</b>	<b>158.6</b>	<b>171.1</b>	<b>184.9</b>		
15	<b>Per Capita Net State Domestic Product</b>	<b>100.0</b>	<b>107.0</b>	<b>117.0</b>	<b>123.9</b>	<b>131.1</b>	<b>145.0</b>	<b>153.7</b>	<b>163.5</b>		

## CHAPTER-I

### AGRICULTURE AND ALLIED ACTIVITIES

#### COVERAGE

I.1 This sector comprises agriculture proper, livestock & livestock products and operation of Government irrigation system. The economic activities included in agriculture proper are:

- (i) Growing of field crops, nuts, seeds, fruits, vegetables and medicinal plants
- (ii) Management of tea, coffee and rubber plantations
- (iii) Floriculture
- (iv) Agricultural and horticultural services on a fee or on contract basis such as harvesting, baling & thrashing, preparation of tobacco for marketing, pest control, spraying, pruning, picking and packing.
- (v) Foreyard and backyard cultivations
- (vi) Ancillary activities of cultivators such as gur making, transportation of own produce to primary markets, activities yielding rental income from farm buildings & farm machinery and interest on agricultural loans.

Livestock and livestock products include breeding & rearing of animals and poultry besides private veterinary services, production of milk, slaughtering, preparation and dressing of meat, production of raw hides & skins, eggs, dung, raw wool, honey & silk worm cocoons etc. The operation of Government irrigation system comprises supply of water through various Government channels to the agriculturists.

Agricultural and livestock activities go together and it is not always feasible to segregate the various inputs like livestock feed, repairs & maintenance costs, CFC, etc. into those used in agricultural and livestock production.

#### METHODOLOGY AND SOURCE MATERIAL

I.2 The estimates of GSDP of agriculture and allied activities except operation of Government irrigation system have been prepared by using the production approach. The estimation of GVA involves evaluation of gross value of the products, by-products and ancillary activities at the prices received by the producers and deducting the value of inputs of raw material and services consumed in the process of production from the gross value. In case of irrigation by Government sources, the income approach has been used and the total factor income generated as a result of providing the irrigation services has been

estimated. The estimates of value of output of agriculture proper and livestock production have been prepared separately while the estimates of GVA have been worked out for the sector as a whole.

## **Agriculture**

**1.3** The district-wise statistics of area are available in respect of all agricultural crops but output data, however, is not so comprehensive. The output data is available only in respect of the following crops:

- (i) **Cereals:** wheat, barley, rice, maize, bajra, jowar.
- (ii) **Pulses:** gram, moong, mash, massar, arhar, other pulses.
- (iii) **Oilseeds:** sesamum, groundnut, rape & mustard, sunflower.
- (iv) **Fibres:** cotton (American and Desi), sanhemp
- (v) **Fruits & vegetables:** potatoes, onion, tomato, peas, sweet potatoes, cabbage, cauliflower, bhindi, brinjal, other vegetables, mango, grapes, guava, ber, litchi, chiku, citrus fruits and other fruits.
- (vi) **Drugs & Narcotics:** tobacco, medicinal plants
- (vii) **Condiments:** dry chillies, garlic.
- (viii) **Sugarcane:** sugarcane (gur).

The above mentioned crops account for about 89 percent of total cropped area. For remaining crops of other cereals, other oil seeds, other condiments and spices, other fibres, fodder, other miscellaneous food and non-food crops, only area figures are available, but not outturn.

**1.4** All the agricultural commodities including various by-products have been grouped into four categories according to reliability of data, viz. (i) principal crops (ii) minor crops (non-forecast) (iii) miscellaneous and unspecified crops which have not been included in any of two categories mentioned above and (iv) other products and by-products.

### **i) Principal crops:**

The principal crops consist of rice, wheat, jowar, bajra, maize, gram, barley, other kharif pulses, other rabi pulses, groundnut, sesamum, rape and mustard, sunflower, cotton, sanhemp, sugarcane, tobacco, potatoes and dry chillies. The exhaustive district-wise statistics of area and output of all above crops are made available by the State Directorate of Land Records (DLR) in their publication, "Seasons and Crops Report" being published annually. The information regarding quantity of wheat and rice procured by the Government agencies is supplied by the Food & Supplies Department. The information regarding utilization rates/ratios of sugarcane for seeding, chewing/juice making and preparation of khandsari has been supplied by the CSO. The information on the quantity of sugarcane crushed by the mills during each year is available from the Cane Commissioner, Haryana.



**(ii) Minor crops:**

Ragi, small millets, jute, mangoes, citrus fruits, sweet potatoes, grapes, other fruits, Onion, other vegetables, flowers, toddy and medicinal plants have been included under this category. In case of ragi, small millets and jute, only the area figures are available and these are provided by the DLR. The data regarding area and production of onion are supplied by the DLR. The data regarding area and production of mangoes, citrus fruits, sweet potatoes, grapes, other fruits & other vegetables, flowers and medicinal plants are supplied by the Horticulture Department. The value of output of toddy supplied by the CSO is based on NSS report of 61<sup>st</sup> round on consumption of some important commodities in India and census data on rural and urban population.

**(iii) Miscellaneous and unspecified crops**

Other cereals, other oil seeds, other fibres, other dyes and tanning material, other drugs & narcotics, other condiments & spices, fodder, miscellaneous food crops, miscellaneous non-food crops and foreyard & backyard cultivation have been covered under the category of miscellaneous and unspecified crops. In case of other cereals, other oil seeds, other fibres, other dyes and tanning material, other drugs & narcotics, other condiments & spices, miscellaneous food crops and miscellaneous non-food crops, only the area figures are available and these are supplied by the DLR. The area under fodder which also covers the area under guar is obtained from the DLR. But the area under guar for which production of guar seed is available, is subtracted from the total area under fodder. From the remaining area, the production of green fodder has been worked out as 50 MT per hectare for irrigated area and 25 MT per hectare for unirrigated area under the crop. The production of guar seed is evaluated separately by using its prices. The area under the crops in foreyard/backyard of houses has been estimated as 0.21 percent of the net area sown in the state.

**(iv) Other products and by-products**

This category comprises gur (indigenous production only), cane trash, bagasse, stalks & straw and grass. Out of the total outturn of sugarcane, the quantity of sugarcane left over after allowing for the uses of crushed by mills, seeding, chewing/juice making and preparation of khandsari is assumed to be converted into gur. The production of gur is estimated as 10 percent of the sugarcane left over. The estimates of production of sugarcane bagasse have been prepared by taking 3.5 percent of sugarcane used for gur making. The quantity of sugarcane used for seed purpose has been estimated as 3.16 MT per hectare of area under sugarcane. The estimates of sugarcane used for chewing and khandsari have been worked out as 2.5 percent and 0.12

percent respectively of sugarcane production.

In case of grass, estimates of production for the year 1960-61 prepared and supplied by the CSO have been projected to other years on the basis of change in combined area under (i) permanent pasture and grazing lands, (ii) miscellaneous tree crops and groves, (iii) culturable waste land, (iv) fallow lands and (v) net area sown during the year by adopting the weights 4, 1, 2, 2 and 1 respectively for combining the area of above five categories.

### **Agricultural Prices**

1.5 The district-wise data on weekly wholesale prices alongwith the quantity of market arrival of paddy, wheat, jowar, bajra, barley, maize, gram, moong, arhar, mash, massar, peas, groundnut, sarson, toria, taramira, sunflower, sesamum, guar seed, cotton, gur, dry chillies and garlic are collected by the offices of District Statistical Officers (DSOs) from the crop-wise selected primary markets during peak market arrival periods. The prices for the quantity of paddy and wheat procured by the Government agencies are provided by the State Department of Food & Supplies. The prices at which the sugarcane is purchased by the sugar mills for crushing are available from the Cane Commissioner, Haryana. The district-wise wholesale prices of all fruits and vegetables except mushroom during peak market arrival periods are collected and supplied by the offices of DSOs. The prices of mushroom and flowers are available from the State Department of Horticulture. The data on prices of green fodder is obtained from the Farm Accounts Report of the Planning Department. The base year price of medicinal plants is moved to the current year with the WPI of drugs and narcotics.

### **Value of Agricultural Output**

1.6 The district-wise weighted prices of those crops for which the data on weekly wholesale prices alongwith the arrival in selected primary markets during peak market period is available, has been worked out by adopting the following procedure:-

- (a) The arithmetic average of the wholesale weekly prices prevailing in each selected primary market within a district during peak market period has been calculated to get market/centre-wise prices.
- (b) The weighted average price for a district has been obtained as a weighted average of the centre-wise prices derived at 'a' above, weights being the centre-wise out-turn for sale.

The district prices so arrived at have been used for evaluation of all those crops for which district-wise area and out-turn are available. The quantity of paddy and wheat procured by the Government agencies is evaluated at the procurement price whereas the remaining production

is evaluated at the district price derived at above. In case, out-turn of a certain commodity in the district is negligible and separate price for that district is not available, the price of adjoining district has been used.

In case of fruits, vegetables, flowers and medicinal plants, the data on both production and prices are available for evaluation.

The production of green fodder is evaluated at the prices available from the Farm Accounts Reports.

The quantity of sugarcane purchased and value paid by sugar mills is available from Cane Commissioner, Haryana. The sugarcane used for seeding, chewing/juice making and preparation of khandsari has also been evaluated at the average cane price paid by sugar mills.

1.7 In case of those agricultural commodities for which the data either on prices or production or both on prices and production are not available, the deviation in the method of estimation of value of output has been done and the same has been briefed in the following paragraphs:

- (i) **Other Pulses:** On the basis of data given in NSS Report No. 32, the price of other pulses i.e. moth, horsegram and peas has been worked out as 85 percent of the weighted average price per tonne/weighted average value per hectare of arhar, urd, moong, masur and horsegram.
- (ii) **Other Cereals :** The gross value of output of other cereals has been estimated by applying weighted average value per hectare of jowar, bajra, barley maize and ragi to the area under other cereals.
- (iii) **Other Oilseeds:** The value per hectare of other oil seeds has been assumed as 85 percent of weighted average value per hectare of linseed, sesamum and castor.
- (iv) **Sanhemp:** The price of sanhemp for the year 1993-94 moved to the subsequent years with the wholesale price index of jute, sanhemp and mesta textiles has been used to estimate the value of output.
- (v) **Other Fibres:** The value per hectare of sanhemp less 10 percent has been used to estimate the value of output of other fibres.
- (vi) **Other Condiments and Spices:** The average value per hectare of other condiments and spices has been assumed to be equal to 90 percent of weighted average value per hectare of dry chillies, dry ginger, turmeric and garlic. As there is no production of turmeric and dry ginger in the State, 90 percent of weighted average value per hectare of dry chillies and garlic has been applied for the evaluation of output of other condiments and spices.
- (vii) **Other Fruits and Vegetables:** The weighted average price of all fruits and vegetables for which the separate data is available has been used to evaluate the output of other fruits and vegetables.

- (viii) **Miscellaneous Food and Non-food Crops:** For the evaluation of output of miscellaneous food and non-food crops, the all India estimates of yield per acre (converted to hectare) as estimated by the National Income Committee (NIC) have been projected to other years with the help of movement of composite wholesale price index of 20 important agricultural commodities.
- (ix) **Other Dying and Tanning Material:** The value of other dying and tanning material is estimated by using the value per hectare of miscellaneous non-food crops.
- (x) **Other Drugs and Narcotics:** The value per hectare of other drugs and narcotics for the year 2004-2005 has been moved to the subsequent years with the value per tonne of tobacco.
- (xi) **Foreyard/Backyard Cultivation:** The output is estimated by using value per hectare of other fruits and vegetables.
- (xii) **Straw and Sticks:** The value per hectare data based on the results of Cost of Cultivation Studies has been used for evaluation of the by-products of paddy, wheat, jowar, bajra, barley, maize, rapeseed and mustard, sunflower, gram, moong, mass, masur, arhar, cotton and sesamum.
- (xiii) **Sugarcane Trash and Bagasse :** The output of Sugarcane Trash and Bagasse is evaluated at the prices based on the results of Cost of Cultivation Studies.
- (xiv) **Grass:** The all India price of grass for 1960-61 and adjusted for the later years on the basis of price movement of wheat straw, has been used for evaluating the estimated output of grass.

### **Livestock**

1.8 For the purpose of estimation of gross value of output, livestock products are divided into 7 sub-groups viz., (i) milk (ii) meat group (iii) dung (iv) wool, hair and bristles (v) eggs (vi) honey and (vii) increment in livestock. The production estimates of main livestock products viz. milk, meat, eggs and wool are based on the results of the Integrated Sample Surveys conducted by the State Animal Husbandry Department on annual basis. In the absence of current direct information on output of various other livestock products, their annual production has been estimated with the help of yield rates obtained from relevant reports and estimated population of different categories of livestock. The main source of information on livestock numbers is quinquennial livestock censuses held in the State. For the inter census and post-census years, the estimates have been arrived at by using the geometric growth rate observed for each category between the two latest consecutive livestock censuses.

(i) **Milk:** The data regarding milk production of buffaloes, cows and goats in the State is obtained from the State Animal Husbandry Department annually. The State Animal Husbandry

Department does not estimate the production of camel milk. So, the production of camel milk has been worked out by applying the yield rate of milk per animal obtained from the CSO to the total number of animals.

**(ii) Meat Group:** The Meat Group comprises meat (animals & poultry meat), meat products (fats, heads, legs etc.) and meat byproducts comprising hides (cattle and buffalo hides), skin (goat and sheep skin), guts, blood, bones, horns, hoofs etc.

The production of goat meat, sheep meat and pig meat is made available by the State Animal Husbandry Department. The production of poultry meat has been calculated from the number of adult fowls and chickens slaughtered by the formula given below:

Poultry meat = 50 per cent of total adult fowls plus chickens and ducklings killed  
Chickens and ducklings killed = Estimated number of chicken and ducklings in the beginning of the year + Chickens survived during the year + 50 per cent of adult fowls - Estimated number of total fowls during the following year

The output of meat products i.e. offal's & glands, fats, head and legs have been estimated by using the number of animals slaughtered and fallen and average yield of meat for different categories of animals. The total number of animals slaughtered is provided by the State Animal Husbandry Department on annual basis. The data regarding number of animals fallen is derived from the livestock population by using the mortality rates supplied by the CSO. The average yield rates of meat products for different types of animals have also been revised as supplied by the CSO.

The production of hides and skins is obtained mostly from (i) animals slaughtered for the production of meat and (ii) animals fallen due to natural death. The value of output of hides and skin from animals slaughtered for production of meat and from animals fallen due to natural death, thus, have been added for estimating the total value of output of hides and skins. The value of other meat by products i.e. guts, blood, bones, horns, hoofs, etc. has been estimated as the percentage of value of meat and meat products. The ratios used for estimating the value of meat by products of different animals have been supplied by the CSO.

**(iii) Dung :** Production of dung has been estimated by using the evacuation rates collected by Indian Agricultural Statistics Research Institute (IASRI) and State Animal Husbandry Department (1966-67). The production of dung, thus estimated, has been divided into two groups (i) Dung used as manure and (ii) Dung used as fuel. The utilisation rates used are based on results of IASRI (1972) report. The quantity of dry dung-cakes has been taken as 40 percent of green dung.

(iv) **Wool, Hair and Bristles :** The production of wool clipped in the State is based on Integrated Sample Survey conducted by State Animal Husbandry Department on annual basis. The total production of wool has been obtained by adding the estimated production of plucked wool calculated on the basis of data on yield rates per sheep contained in the Marketing Report (Director of Marketing & Inspection, 1964) to the production of wool clipped. The estimates of production of goat hair and camel hair have been prepared on the basis of yield rates provided by National Research Centre (NRC), Bikaner and that of pig bristles on a study conducted by the CSO in Uttar Pradesh.

(v) **Eggs :** The production of hen eggs in the State is based on the results of Integrated Sample Survey conducted by the State Animal Husbandry Department. The State Animal Husbandry Department does not estimate the production of duck eggs. So, the production of duck eggs has been worked out by applying yield rate of eggs per duck obtained from the CSO to the total number of ducks.

(vi) **Honey:** The production and prices of honey in the State are made available by the Khadi and Village Industries Commission (KVIC), Govt. of India.

(vii) **Increment in Livestock:** The annual net increase in the population has been calculated separately for each category of livestock on the basis of the projected population based on Livestock censuses.

### **Evaluation of Livestock Output**

1.9 The gross value of various products has been obtained by evaluating the output of each commodity at the corresponding average annual wholesale price separately for urban and rural area. The wholesale prices of different categories of livestock and livestock products are collected separately for urban and rural area on bi-annual basis by the District Statistical Agencies. For this purpose, one centre in urban area and two centres in rural area have been selected in each district. Wherever the prices are not available or found unsatisfactory, corresponding prices of adjoining district have been used. The wholesale prices of some of the livestock products are not available from the markets. These commodities have been evaluated at the prices available from relevant reports and duly adjusted for subsequent years with the help of relevant indicators.

### **Inputs**

1.10 To arrive at the estimates of gross product from agriculture and livestock, necessary deductions on account of current cost of inputs have been made from the value of output. These consist of (i) cost of seed, (ii) cost of manure, (iii) current repair and maintenance of fixed assets and other operational costs, (iv) cost of livestock feed, (v) irrigation

charges, (vi) market charges, (vii) electricity charges, (viii) cost of pesticides and insecticides and (ix) cost of diesel oil. The detailed methodology and source material for the assessment of input cost have been briefed in the following paragraphs: -

**(i) Cost of Seed:** The quantity of seed used for wheat, jowar, bajra, barley, maize, gram, arhar, mass, moong, masur, sesamum, groundnut, rapeseed & mustard, sugarcane, potato, cotton seed and dry chillies has been estimated on the basis of crop-wise seed rates available from the results of Cost of Cultivation Studies. The quantity of seed used for the above crops, thus estimated, has been evaluated at the State weighted average price. The cost of seed used for paddy, other cereals, condiments & spices, other miscellaneous food crops, other miscellaneous non-food crops, fodder crops, guar seed and other pulses has been estimated on the basis of crop-wise per hectare cost of seed available from the results of Cost of Cultivation Studies.

**(ii) Cost of Manure:** The manure consists of chemical fertilizers and organic manure. The material-wise quantity of chemical fertilizers consumed in the State and their rates are available from the State Agriculture Department. In case of organic manure, the estimates of dung used for manuring purpose as evaluated in livestock sub-sector have been used.

**(iii) Current Repairs and Maintenance of Fixed Assets and Other Operational Costs:** The estimates of expenditure on current repairs and maintenance of fixed assets and other operational costs supplied by the CSO are based on the information available from All India Debt and Investment Survey (AIDIS), 2002-03.

**(iv) Cost of Livestock Feed:** The method broadly comprises the estimation of total cost of up-keep of entire live-stock population. The items considered under feed-cost are:

(i) Roughages

(ii) Concentrates

As regards roughages, the entire value of fodder crops (green and dry) and 95 percent value of stalks and straw have been assumed to contribute towards livestock feed.

The cost of concentrates has been taken as the product of annual consumption cost per animal of different categories of animals and population of these categories. The consumption rate of different categories of animals is available from the results of Cost of Cultivation Studies. The consumption cost per animal for the bench mark year has been moved with WPI of food grains for subsequent years. The population of different categories of animals for different years is available from the livestock census 2003 and the compound growth rate observed between two latest consecutive live stock censuses.

(v) **Irrigation Charges:** - The annual data on irrigation charges payable to Government in lieu of water supplied to producers from Government canals and other means of irrigation have been culled out from the State Budget.

(vi) **Market Charges:-** The market charges for agricultural crops have been taken as 3.22 percent of gross value of output of agriculture proper. This ratio has been supplied by the CSO which is based on the bench mark survey conducted by the Directorate of Economics & Statistics, Ministry of Agriculture, Govt. of India.

(vii) **Electricity Charges:-** The expenditure on electricity used for agricultural purposes is considered as electricity charges. The estimates of electricity charges are based on the information contained in the Annual Reports of Uttar Haryana Bijli Vitran Nigam (UHBVN) and Dakshin Haryana Bijli Vitran Nigam (DHBVN).

(viii) **Cost of Pesticides and Insecticides:-** The estimates of consumption of pesticides and insecticides for agriculture in the State prepared by the CSO are based on the information available from Pesticides Association of India for despatches and Directorate of Quarantine and Plant Protection for State-wise consumption.

(ix) **Cost of Diesel Oil:** - The cost estimates of consumption of diesel oil per tractor and per diesel engine are supplied by the CSO which are based on the results of Cost of Cultivation Studies. The data regarding total number of tractors and diesel sets in the State is made available by the State Agriculture Department on annual basis.

### **Gross Value Added**

1.11 The estimates of gross value added from this sector (Agriculture proper and Livestock) have been arrived at by deducting the estimated total cost of inputs used in production from the total value of output. Since the operation of Government irrigation system is also an activity to be accounted for in the agriculture sector, the gross value added from such services has been added to obtain the corresponding total for the sector. The GVA from the operation of Government irrigation system has been obtained by the income method as the sum of compensation of employees, interest payments, operating surplus and maintenance provisions(CFC). The details regarding compensation of employees, interest payments and operating surplus are available from the State Government Budget. It is observed that the operating surplus, which is taken to be the excess of current receipts over the current expenditure, is generally found to be negative. Hence, the operating surplus is treated as zero and an equal amount is treated as irrigation subsidy. The information relating to depreciation of Government irrigation system is supplied by the CSO.





**TABLE- 18**  
**STATE DOMESTIC PRODUCT FROM AGRICULTURE AND ALLIED ACTIVITIES**  
**(at current prices)**

Sr. No.	Items	(Rs. Lakh)						
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
<b>1</b>	<b>Value of output</b>	<b>2748077</b>	<b>2943492</b>	<b>3606975</b>	<b>4177202</b>	<b>4991876</b>	<b>5541660</b>	<b>6441643</b>
	1.1 Agriculture	1858543	2014148	2505815	2939532	3527878	3732926	4346717
	1.2 Live stock	889534	929346	1101160	1237670	1463998	1808734	2094926
<b>2</b>	<b>Less: Inputs</b>	<b>672136</b>	<b>769866</b>	<b>881894</b>	<b>971409</b>	<b>987030</b>	<b>1104394</b>	<b>1311331</b>
	2.1 Seed	31439	34962	40605	47558	54087	57825	62651
	2.2 Organic manure	28460	31007	31957	37997	41734	43710	53224
	2.3 Chemical fertilizers	126215	134642	134719	145359	153581	160693	174912
	2.4 Current repairs, maintenance of fixed assets and other operational costs	12970	14604	16160	17363	23553	28034	32778
	2.5 Feed of livestock	274792	338342	410545	462402	457432	542606	691805
	2.6 Irrigation charges	7451	2526	2728	191	239	12438	10869
	2.7 Market charges	59845	64856	80687	94653	113598	120200	139964
	2.8 Electricity	26717	24911	25835	27448	29230	31287	36591
	2.9 Pesticides & insecticides	10221	9034	10190	12056	12185	11582	11868
	2.10 Diesel oil	94026	114982	128368	126382	101391	96020	96649
<b>3</b>	<b>Gross State Domestic Product unadjusted for FISIM</b>	<b>2125190</b>	<b>2205690</b>	<b>2776038</b>	<b>3267616</b>	<b>4073383</b>	<b>4501212</b>	<b>5246894</b>
	3.1 Agriculture & allied activities	2075941	2173626	2725081	3205793	4004846	4437266	5130312
	3.2 Operation of Govt. irrigation system	49249	32064	50957	61823	68537	63946	116582
<b>4</b>	<b>Less: FISIM</b>	<b>28044</b>	<b>30311</b>	<b>40309</b>	<b>48179</b>	<b>59660</b>	<b>56645</b>	<b>61394</b>
<b>5</b>	<b>Gross State Domestic Product</b>	<b>2097146</b>	<b>2175379</b>	<b>2735729</b>	<b>3219437</b>	<b>4013723</b>	<b>4444567</b>	<b>5165500</b>
	Less: consumption of fixed capital	112658	124249	141246	165750	193436	231654	289403
<b>6</b>	<b>Net State Domestic Product</b>	<b>1984488</b>	<b>2051130</b>	<b>2594483</b>	<b>3053687</b>	<b>3820287</b>	<b>4212913</b>	<b>4876097</b>

**TABLE- 19**  
**STATE DOMESTIC PRODUCT FROM AGRICULTURE AND ALLIED ACTIVITIES**  
**( at constant prices)**

Sr.No.	Item	(Rs.Lakh)						
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
<b>1</b>	<b>Value of output</b>	<b>2748077</b>	<b>2731088</b>	<b>3061254</b>	<b>3088152</b>	<b>3277285</b>	<b>3250089</b>	<b>3412908</b>
1.1	Agriculture	1858543	1830974	2042467	2046327	2203877	2134616	2251291
1.2	Live stock	889534	900114	1018787	1041825	1073408	1115473	1161617
<b>2</b>	<b>Less: Inputs</b>	<b>672136</b>	<b>696822</b>	<b>715915</b>	<b>743308</b>	<b>753728</b>	<b>773829</b>	<b>788058</b>
2.1	Seed	31439	31501	32333	33097	33052	32019	32281
2.2	Organic manure	28480	28354	28297	28244	28202	28172	28190
2.3	Chemical fertilizers	126215	134678	134252	144754	155543	160663	161468
2.4	Current repairs, maintenance of fixed assets & other operational costs	12970	14037	14828	15357	19449	21436	23737
2.5	Feed of livestock	274792	285913	282524	304271	293607	303727	314640
2.6	Irrigation charges	7451	7804	7976	7708	7829	7719	7719
2.7	Market charges	59846	58957	65767	65892	70965	68735	72492
2.8	Electricity	26717	29407	31496	33634	33704	42307	38070
2.9	Pesticides & insecticides	10221	10311	10402	9929	9696	9203	9181
2.10	Diesel oil	94026	95859	98040	100422	101681	99848	100280
<b>3</b>	<b>Gross State Domestic Product unadjusted for FISIM</b>	<b>2125190</b>	<b>2085851</b>	<b>2398057</b>	<b>2395792</b>	<b>2575307</b>	<b>2527279</b>	<b>2675869</b>
3.1	Agriculture & allied activities	2075941	2034266	2345339	2344844	2523557	2476260	2624850
3.2	Operation of Govt. irrigation system	49249	51585	52718	50948	51750	51019	51019
<b>4</b>	<b>Less: FISIM</b>	<b>28044</b>	<b>32589</b>	<b>43718</b>	<b>48213</b>	<b>54129</b>	<b>50163</b>	<b>66715</b>
<b>5</b>	<b>Gross State Domestic Product</b>	<b>2097146</b>	<b>2053262</b>	<b>2354339</b>	<b>2347579</b>	<b>2521178</b>	<b>2477116</b>	<b>2609154</b>
	Less: consumption of fixed capital	112656	119229	127555	141775	153414	165926	190254
<b>6</b>	<b>Net State Domestic Product</b>	<b>1984488</b>	<b>1934033</b>	<b>2226784</b>	<b>2205804</b>	<b>2367764</b>	<b>2311190</b>	<b>2418900</b>

**TABLE-20**  
**VALUE OF OUTPUT FROM AGRICULTURE**  
(at current prices)

(Rs.Lakh)

Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
<b>1</b>	<b>Cereals</b>	<b>1006625</b>	<b>1089631</b>	<b>1395949</b>	<b>1714895</b>	<b>2166655</b>	<b>2175691</b>	<b>2386254</b>
1.1	Paddy	377759	401656	465122	603491	842806	920059	913093
1.2	Wheat	585117	638165	853493	1024259	1225997	1155199	1356305
1.3	Jowar	1703	1895	2320	3535	4075	4099	4528
1.4	Bajra	36877	40532	64847	70590	77705	82200	97298
1.5	Barley	3062	5166	8126	10515	14134	11945	13179
1.6	Maize	2107	2208	2041	2505	1938	2189	1851
1.7	Other Cereals	0	19	0	0	0	0	0
<b>2</b>	<b>Pulses</b>	<b>19633</b>	<b>20309</b>	<b>27804</b>	<b>22071</b>	<b>44311</b>	<b>25328</b>	<b>39950</b>
2.1	Gram	13003	13814	18426	12154	29870	13367	24272
2.2	Tur (Arhar)	4223	3506	5341	6339	9360	5769	7109
2.3	Urd	103	150	221	342	382	605	280
2.4	Moong	1241	1735	2802	2553	2638	3125	5046
2.5	Masoor	766	645	692	586	1464	1859	1650
2.6	Other pulses	297	459	322	95	597	600	1593
<b>3</b>	<b>Oil seeds</b>	<b>136692</b>	<b>135235</b>	<b>138272</b>	<b>137150</b>	<b>202195</b>	<b>192029</b>	<b>231355</b>
3.1	Sesamum	358	392	409	350	737	749	889
3.2	Ground nut	281	500	226	191	309	372	580
3.3	Rape seed and Mustard	134743	130399	134971	132513	198579	188237	227781
3.4	Other oil seeds	1330	3944	2666	4096	2570	2671	2105
<b>4</b>	<b>Sugarcane</b>	<b>90690</b>	<b>104817</b>	<b>120584</b>	<b>108349</b>	<b>82707</b>	<b>140073</b>	<b>134636</b>
<b>5</b>	<b>Fibres</b>	<b>201961</b>	<b>147263</b>	<b>179864</b>	<b>231144</b>	<b>243957</b>	<b>299566</b>	<b>420471</b>
5.1	Kapas	201896	147188	179737	230949	243890	299470	420380
5.2	Sanhemp	11	13	28	13	14	0	0
5.3	Other Fibres	54	62	101	182	53	96	91
<b>6</b>	<b>Dyes &amp; tanning material</b>	<b>162</b>	<b>175</b>	<b>171</b>	<b>207</b>	<b>645</b>	<b>741</b>	<b>711</b>
<b>7</b>	<b>Drugs and narcotics</b>	<b>1499</b>	<b>856</b>	<b>1858</b>	<b>1556</b>	<b>2469</b>	<b>2158</b>	<b>2137</b>
7.1	Tobacco	0	0	0	0	0	0	0
7.2	Medicinal plants	692	448	509	168	509	293	36
7.3	Other drugs & narcotics	807	408	1349	1390	1960	1865	2101
<b>8</b>	<b>Condiments and spices</b>	<b>1923</b>	<b>1378</b>	<b>1439</b>	<b>7382</b>	<b>7799</b>	<b>3071</b>	<b>8105</b>
8.1	Dry chillies	520	445	473	5658	6044	677	5436
8.2	Other condiments and spices	1403	933	966	1724	1755	2394	2669
<b>9</b>	<b>Fruits &amp; vegetables</b>	<b>146500</b>	<b>171967</b>	<b>218253</b>	<b>235485</b>	<b>302767</b>	<b>342657</b>	<b>421337</b>
9.1	Potato	5283	11211	10710	6828	9978	6498	13630
9.2	Onion	2878	3575	2672	2532	2165	1709	2459
9.3	Mango	7989	9287	8024	10562	13264	14544	16821
9.4	Other Fruits & Vegetables	130350	147894	196847	215563	277360	319906	368427
<b>10</b>	<b>Foreyard/Backyard farming</b>	<b>4301</b>	<b>4435</b>	<b>4844</b>	<b>5462</b>	<b>5967</b>	<b>6964</b>	<b>7066</b>
<b>11</b>	<b>Floriculture</b>	<b>15956</b>	<b>8260</b>	<b>16112</b>	<b>20860</b>	<b>20180</b>	<b>25516</b>	<b>27686</b>
<b>12</b>	<b>Other miscellaneous crops</b>	<b>96123</b>	<b>145226</b>	<b>183851</b>	<b>221873</b>	<b>216121</b>	<b>237117</b>	<b>291925</b>
<b>13</b>	<b>By products</b>	<b>136478</b>	<b>184594</b>	<b>216814</b>	<b>233098</b>	<b>232105</b>	<b>282015</b>	<b>375084</b>
<b>14</b>	<b>Value of Output from Agriculture</b>	<b>1858543</b>	<b>2014146</b>	<b>2505815</b>	<b>2939532</b>	<b>3527878</b>	<b>3732926</b>	<b>4346717</b>

**TABLE-21**  
**VALUE OF OUTPUT FROM AGRICULTURE**  
**( at constant prices)**

Sr.No.	Item	(Rs. Lakh)							
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	
<b>1</b>	<b>Cereals</b>	<b>1006625</b>	<b>1010199</b>	<b>1136020</b>	<b>1169411</b>	<b>1276115</b>	<b>1236445</b>	<b>1305662</b>	
	1.1 Paddy	377759	393425	423771	437393	470075	497278	484091	
	1.2 Wheat	585117	573489	651738	663092	737510	681130	751878	
	1.3 Jowar	1703	1737	1622	2765	3012	2700	2611	
	1.4 Bajra	36877	35336	50975	57875	54466	46763	59271	
	1.5 Barley	3062	4230	6090	6283	9678	7146	6769	
	1.6 Maize	2107	1962	1624	2023	1374	1428	1042	
	1.7 Other cereals	0	17	0	0	0	0	0	
<b>2</b>	<b>Pulses</b>	<b>19633</b>	<b>16455</b>	<b>19964</b>	<b>14679</b>	<b>25892</b>	<b>14302</b>	<b>22992</b>	
	2.1 Gram	13003	10285	12859	7723	18443	8856	15725	
	2.2 Tur(Arhar)	4223	3405	4210	4301	5066	3045	3375	
	2.3 Urd	103	132	192	206	147	162	74	
	2.4 Moong	1241	1570	1896	1960	1315	1342	2431	
	2.5 Masoor	766	636	570	424	586	587	538	
	2.6 Other pulses	297	427	235	65	335	310	849	
<b>3</b>	<b>Oil seeds</b>	<b>136692</b>	<b>135109</b>	<b>135217</b>	<b>101368</b>	<b>149750</b>	<b>141663</b>	<b>158858</b>	
	3.1 Sesamum	358	417	387	296	387	358	417	
	3.2 Ground nut	261	429	230	175	190	220	329	
	3.3 Rape seed and mustard	134743	130347	132308	98312	147250	139330	156862	
	3.4 Other oil seeds	1330	3916	2292	2583	1923	1755	1250	
<b>4</b>	<b>Sugarcane</b>	<b>90690</b>	<b>91715</b>	<b>107934</b>	<b>97573</b>	<b>57341</b>	<b>62988</b>	<b>67039</b>	
<b>5</b>	<b>Fibres</b>	<b>201961</b>	<b>147111</b>	<b>177059</b>	<b>184890</b>	<b>183446</b>	<b>189411</b>	<b>171852</b>	
	5.1 Kapas	201896	147045	176939	184719	183392	189350	171601	
	5.3 Sanhemp	11	11	23	11	11	0	0	
	5.4 Other Fibres	54	55	88	160	43	51	51	
<b>6</b>	<b>Dyes &amp; tanning material</b>	<b>162</b>	<b>162</b>	<b>135</b>	<b>153</b>	<b>411</b>	<b>406</b>	<b>349</b>	
<b>7</b>	<b>Drugs and narcotics</b>	<b>1499</b>	<b>835</b>	<b>1707</b>	<b>1240</b>	<b>1622</b>	<b>1285</b>	<b>1021</b>	
	7.1 Tobacco	0	0	0	0	0	0	0	
	7.2 Medicinal plants	692	431	465	141	424	242	29	
	7.2 Other drugs & Narcotics	807	404	1242	1099	1198	1043	992	
<b>8</b>	<b>Condiments and spices</b>	<b>1923</b>	<b>1823</b>	<b>1669</b>	<b>6706</b>	<b>7255</b>	<b>3074</b>	<b>6131</b>	
	8.1 Dry chillies	520	483	446	5123	5382	520	3972	
	8.2 Other condiments	1403	1340	1223	1583	1873	2554	2159	
<b>9</b>	<b>Fruits and vegetables</b>	<b>146500</b>	<b>154495</b>	<b>174830</b>	<b>166889</b>	<b>192750</b>	<b>202574</b>	<b>231932</b>	
	9.1 Potato	5283	6257	6207	3431	4930	3093	5390	
	9.2 Onion	2878	3346	2230	2409	1550	1516	1750	
	9.3 Mango	7989	9106	7080	8951	9633	9665	10921	
	9.4 Other fruits & Vegetables	130350	135767	159313	152098	176637	188280	213871	
<b>10</b>	<b>Foreyard/Backyard Farming</b>	<b>4301</b>	<b>4347</b>	<b>4334</b>	<b>4381</b>	<b>4359</b>	<b>4328</b>	<b>4289</b>	
<b>11</b>	<b>Floriculture</b>	<b>15956</b>	<b>8259</b>	<b>16107</b>	<b>17808</b>	<b>15806</b>	<b>17798</b>	<b>18447</b>	
<b>12</b>	<b>Other miscellaneous crops</b>	<b>96123</b>	<b>123473</b>	<b>128474</b>	<b>139297</b>	<b>147700</b>	<b>119465</b>	<b>119914</b>	
<b>13</b>	<b>By products</b>	<b>136478</b>	<b>136991</b>	<b>139026</b>	<b>141932</b>	<b>141430</b>	<b>140877</b>	<b>142805</b>	
<b>14</b>	<b>Value of output from Agriculture</b>	<b>1858543</b>	<b>1830974</b>	<b>2042467</b>	<b>2046327</b>	<b>2203877</b>	<b>2134616</b>	<b>2251291</b>	

TABLE-22  
VALUE OF OUTPUT FROM LIVESTOCK  
(at current prices)

		(Rs. Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	<b>Milk group</b>	746323	776010	817529	909285	1068386	1383137	1603209
	1.1 Cow milk	94390	96655	101992	112485	144796	170531	204839
	1.2 Buffalo milk	640492	668194	704275	785914	909798	1196700	1380105
	1.3 Goat milk	4700	4661	4797	4508	6722	8278	10795
	1.4 Camel milk	6741	6500	6465	6378	7070	7628	7470
2	<b>Meat group</b>	60003	67128	158817	183525	242038	249763	274554
	2.1 Meat	55660	62979	153965	178195	235948	242463	265803
	2.1.1 Goat meat	3807	3203	3515	4902	5701	7121	9540
	2.1.2 Sheep meat	2265	1980	2325	2730	3185	4188	5049
	2.1.3 Pig meat	959	728	904	1804	2027	2650	3633
	2.1.4 Poultry meat	48829	57068	147221	168759	225035	228504	247381
	2.2 Meat products	594	525	568	795	909	1110	1455
	2.3 Meat by-products	3549	3624	4254	4535	5181	6190	7496
	2.3.1 Hides	2686	2850	3347	3440	3771	4390	5206
	2.3.2 Skins	615	563	666	748	1013	1296	1631
	2.3.3 Other by-products	248	211	241	347	397	504	659
3	<b>Eggs</b>	18338	19406	55118	64432	63235	77799	98576
4	<b>Wool and hair</b>	3101	1544	1562	1633	2026	2679	3020
	4.1 Wool	2946	1367	1376	1427	1781	2360	2498
	4.2 Hair & bristles	155	177	186	206	245	319	522
5	<b>Honey</b>	1100	1200	1900	2700	4800	4807	4008
6	<b>Dung</b>	60554	63433	64813	73748	78911	83867	102581
	6.1 Dung fuel	32094	32426	32856	35751	37177	40157	49357
	6.2 Dung manure	28460	31007	31957	37997	41734	43710	53224
7	<b>Increment in stock</b>	115	625	1421	2347	4602	6682	8978
8	<b>Value of output from livestock</b>	889534	929346	1101160	1237670	1463998	1808734	2094926

**TABLE- 23**  
**VALUE OF OUTPUT FROM LIVESTOCK**  
(at constant prices)

		(Rs. Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
<b>1</b>	<b>Milk group</b>	<b>746323</b>	<b>757786</b>	<b>766683</b>	<b>777993</b>	<b>818768</b>	<b>855865</b>	<b>893145</b>
	1.1 Cow milk	94390	93938	95522	98104	112415	114267	119530
	1.2 Buffalo milk	640492	652883	660758	670347	695314	730321	762866
	1.3 Goat milk	4700	4588	4390	4075	5755	8358	6394
	1.4 Camle milk	6741	6377	6013	5466	5284	4919	4555
<b>2</b>	<b>Meat group</b>	<b>60003</b>	<b>59747</b>	<b>138022</b>	<b>145724</b>	<b>136994</b>	<b>139989</b>	<b>147038</b>
	2.1 Meat	55860	55863	134079	141631	132843	135702	142608
	2.1.1 Goat meat	3807	3130	3235	3607	3675	4112	4780
	2.1.2 Sheep meat	2265	1943	2056	2114	2266	2544	2768
	2.1.3 Pig meat	959	673	746	1290	1422	1654	1872
	2.1.4 Poultry meat	48829	50117	128042	134620	125480	127392	133210
	2.2 Meat products	594	501	525	605	633	686	736
	2.3 Meat by-products	3549	3383	3418	3488	3518	3601	3694
	2.3.1 Hides	2686	2677	2670	2683	2657	2652	2648
	2.3.2 Skins	615	503	534	569	590	645	706
	2.3.3 Other by- products	248	203	214	256	271	304	340
<b>3</b>	<b>Eggs</b>	<b>18338</b>	<b>18737</b>	<b>48894</b>	<b>51301</b>	<b>47618</b>	<b>48231</b>	<b>49921</b>
<b>4</b>	<b>Wool and hair</b>	<b>3101</b>	<b>1494</b>	<b>1479</b>	<b>1486</b>	<b>1583</b>	<b>1646</b>	<b>1697</b>
	4.1 Wool	2946	1335	1316	1318	1410	1468	1513
	4.2 Hair & bristles	155	159	163	168	173	178	184
<b>5</b>	<b>Honey</b>	<b>1100</b>	<b>1200</b>	<b>1900</b>	<b>2700</b>	<b>4800</b>	<b>4807</b>	<b>3210</b>
<b>6</b>	<b>Dung</b>	<b>60554</b>	<b>60367</b>	<b>60246</b>	<b>60133</b>	<b>60044</b>	<b>59980</b>	<b>59972</b>
	6.1 Dung fuel	32094	32013	31949	31889	31842	31808	31762
	6.2 Dung manure	28460	28354	28297	28244	28202	28172	28190
<b>7</b>	<b>Increment in stock</b>	<b>115</b>	<b>783</b>	<b>1563</b>	<b>2488</b>	<b>3601</b>	<b>4955</b>	<b>6634</b>
<b>8</b>	<b>Value of output from livestock</b>	<b>889534</b>	<b>900114</b>	<b>1018787</b>	<b>1041825</b>	<b>1073408</b>	<b>1115473</b>	<b>1161617</b>

## CHAPTER- II

### FORESTRY AND LOGGING

#### Coverage

2.1 The economic activities considered in this sector include:

- (i) Forestry (e.g. planting & conservation of forests, gathering of forest products, charcoal burning carried out in the forests and the like)
- (ii) Logging (e.g. felling and rough cutting of trees, hewing or rough shaping of poles, blocks, etc. and transportation of forest products to the sale depots/assembly centers)
- (iii) Farmyard wood (industrial wood & fuel wood collected by the primary producers from trees outside regular forests).

The forest products are classified into two broad groups, viz. (a) major products comprising industrial wood (timber, round wood, match and pulp wood) and fuel wood (fire wood and charcoal wood) and (b) minor products, comprising a large number of heterogeneous items such as bamboo, sandal wood, charcoal, lac, fodder, honey, resin, gum, tendu leaves etc.

#### Methodology and Source Material

##### Estimates at Current Prices

2.2 The estimates of State Domestic Product from this sector have been prepared by following the production approach. The major source of forest statistics is the Principal Chief Conservator of Forests, Forest Department, Haryana and the CSO.

2.3 The data regarding value of output of industrial wood obtained from forest sources is provided by the State Forest Department. This data provided by the State Forest Department is for the recorded production and the considerable quantity of industrial wood escapes official recording. As suggested by the CSO, an allowance of 10 per cent of the recorded production of industrial wood has been made to cover the unrecorded production and unauthorized removal. The data regarding the value of output of industrial wood obtained from social forests and trees outside forests (TOF) is provided by the CSO.

2.4 The value of output of minor forest products has been estimated as 10 times of the revenue collected from minor forest products. In addition, output of fodder from forest sources is also included under minor forest products. As suggested by the CSO, 0.02 percent of the value of roughages (sticks/straw of agricultural crops, fodder and grass) is taken as the value of output of fodder from forest sources.



2.5 As the reliable estimates on production of fuel wood are not available, the output of fuel wood has been estimated through the consumption approach. The estimated production of fuel wood is based on three components, namely:

- (i) Household fuel wood consumption
- (ii) Agricultural by-products used as fuel
- (iii) Fuel wood consumed by industries and on funerals

The State-wise data on per head quantity of fuel wood (firewood and chips) consumed for 30 days separately for rural and urban area is available from the NSS, 61<sup>st</sup> Round (2004-2005), Consumer Expenditure Survey. To arrive at the total quantity of fuel wood consumed during the year 2004-2005, the projected census population for rural and urban areas has been used. Similarly, the data on per head quantity of fuel wood consumed for 30 days separately for rural and urban area is available from the NSS, 55<sup>th</sup> Round (1999-2000), Consumer Expenditure Survey. The per head quantity of fuel wood consumed for 30 days during the year 2004-2005 has been projected to the subsequent years by using the compound growth rate observed between per head consumption of fuel wood based on 1999-2000 and 2004-2005 survey results. The total quantity of fuel wood consumed during the subsequent years is estimated by using the per head consumption (quantity) and population projected for those years. The total quantity of fuel wood consumed during different years as worked above is evaluated at the prices supplied by the State Forest department.

From the total value of fuel wood consumption, the value of output of agricultural by-products namely arhar sticks, cotton sticks, jute sticks and sugarcane bagasse is subtracted to avoid the duplication as the value of output of these by-products is also accounted for in agriculture sector.

2.6 As suggested by the CSO, the value of fuel wood consumed in industry and on funerals has been estimated as 6 percent of the value of fuel wood consumption of the households adjusted for the agricultural by-products.

2.7 To arrive at the estimates of gross product, deductions have been made for the expenditure incurred on repairs, maintenance and other operational costs. As suggested by the CSO, expenditure on repairs, maintenance and other operational costs has been taken as 15.6 percent of the total value of output.

### **Estimates at Constant Prices**

2.8 In case of industrial wood, fuel wood & fodder for which information on physical output is available, the constant prices estimates of value of output have been obtained by evaluating the output at the base year (2004-2005) prices. In case of minor products worked out from

revenue collected from minor forest product, the value of output at current prices has been deflated with the help of specially prepared index of wholesale prices of major products, which is given as under:

Item	Industrial Wood	Fuel Wood
Wholesale price in current year	P11	P12
Wholesale price in 2004-05	P01	P02
Out-turn during current year	Q1	Q2
Index number of implicit prices of major forest products for current year with 2004-05 as base	$\frac{Q1 \cdot P11 + Q2 \cdot P12}{Q1 \cdot P01 + Q2 \cdot P02}$	

The same proportion of expenditure on repairs, maintenance and other operational costs to the total value of output as for estimates of current prices have been used to obtain the corresponding estimates of gross product. The estimates of CFC supplied by the CSO are deducted to arrive at the net product.

The detailed estimates of SDP from Forestry and Logging Sector for the years 2004-2005 to 2010-11 at both current and constant prices have been given in Tables 24 and 25.

	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1. Gross Value Added at Basic Prices	1000000	1000000	1000000	1000000	1000000	1000000	1000000
2. Less: Consumption of Fixed Capital	0	0	0	0	0	0	0
3. Net Value Added at Basic Prices	1000000	1000000	1000000	1000000	1000000	1000000	1000000
4. Less: Net Factor Services	0	0	0	0	0	0	0
5. Net Value Added at Factor Prices	1000000	1000000	1000000	1000000	1000000	1000000	1000000

**TABLE-24**  
**STATE DOMESTIC PRODUCT FROM FORESTRY AND LOGGING**  
**(at current prices)**

		(Rs. Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	Value of output	123164	133614	192453	251524	259034	318434	361163
2	Less: repairs, maintenance & other operational costs	19214	20844	30023	39238	40409	49676	56341
3	<b>Gross State Domestic Product</b>	<b>103950</b>	<b>112771</b>	<b>162430</b>	<b>212286</b>	<b>218624</b>	<b>268758</b>	<b>304822</b>
4	Less: consumption of fixed capital	1356	1586	1989	1765	3069	3722	3627
5	<b>Net State Domestic Product</b>	<b>102594</b>	<b>111185</b>	<b>160441</b>	<b>210521</b>	<b>215555</b>	<b>265036</b>	<b>301195</b>

**TABLE-25**  
**STATE DOMESTIC PRODUCT FROM FORESTRY AND LOGGING**  
**(at constant prices)**

		(Rs. Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	Value of output	123164	125898	129631	133545	136780	139646	143155
2	Less: repairs, maintenance & other operational costs	19214	19640	20222	20833	21338	21785	22332
3	<b>Gross State Domestic Product</b>	<b>103950</b>	<b>106258</b>	<b>109409</b>	<b>112712</b>	<b>115442</b>	<b>117861</b>	<b>120823</b>
4	Less: consumption of fixed capital	1356	1524	1789	1492	2383	2577	2287
5	<b>Net State Domestic Product</b>	<b>102594</b>	<b>104734</b>	<b>107620</b>	<b>111220</b>	<b>113059</b>	<b>115284</b>	<b>118536</b>

## CHAPTER -III

### FISHING

#### Coverage

3.1 The activities covered in the fishing sector are :

- (i) Commercial fishing in (a) ocean, coastal and offshore waters & (b) inland waters , that include catching, tackling and gathering of fish from rivers, irrigation and other canals, lakes, tanks, fields in undated tracts etc.
- (ii) Subsistence fishing in land waters and artificial ponds.
- (iii) Gathering of sea weeds, sea shells , pearls, sponges and other ocean and coastal water products .
- (iv) Fish curing viz., salting and sun drying of fish.
- (v) Production of prawn

#### Methodology and Source Material

##### Estimates at Current Prices

3.2 The estimates of SDP have been prepared by following the production approach. The data on production and average wholesale prices of inland fish and prawn obtained from the State Fisheries Department have been used. As the production estimates are inclusive of subsistence fishing, no adjustment has been made on that account.

3.3 To arrive at gross product, deduction on account of repairs, maintenance and other operational costs has been made. In the absence of any data regarding repairs, maintenance and other operational costs, it is assumed as 10 percent of the value of output in case of inland fish and 22.5 percent of value of output of prawn as suggested by the CSO.

##### Estimates at Constant Prices

3.4 For estimation of the value of output at constant prices, production of fish for each year has been valued at 2004-2005 prices. The same proportion of expenditure on repairs, maintenance and other operational costs as for estimates of current prices has been used to obtain corresponding estimates of gross value added.

3.5 The estimates of CFC supplied by the CSO are deducted to arrive at net product.

The detailed estimates of SDP from Fishing Sector for the years 2004-2005 to 2010-11 both at current and constant prices have been given in Tables 26 and 27.

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**TABLE-26**  
**STATE DOMESTIC PRODUCT FROM FISHING**  
(at current prices)

Sr.No.	Item	(Rs. Lakh)							
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	
1	<b>Value of output</b>	12683	14473	18057	21548	34331	39659	75160	
	i) Inland fish	12615	14460	18024	21516	34326	39659	75160	
	ii) Prawn	68	13	33	32	3	0	0	
2	<b>Less repairs, maintenance and other operational costs</b>	1277	1449	1810	2159	3433	3966	7516	
	i) Inland fish - 10%	1262	1446	1802	2152	3433	3966	7516	
	ii) Prawn - 22.5%	15	3	7	7	1	0	0	
3	<b>Gross State Domestic Product</b>	11406	13024	16247	19389	30898	35693	67644	
4	<b>Less consumption of fixed capital</b>	1436	1586	2032	2588	4339	5363	9954	
5	<b>Net State Domestic Product</b>	9970	11438	14215	16801	26559	30330	57690	

**TABLE- 27**  
**STATE DOMESTIC PRODUCT FROM FISHING**  
(at constant prices)

Sr.No.	Item	(Rs. Lakh)							
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	
1	<b>Value of output</b>	12683	14473	18056	20202	22888	26439	28186	
	i) Inland fish	12615	14460	18024	20170.8	22885.5	26439	28186	
	ii) Prawn	68	13	32	31	3	0	0	
2	<b>Less repairs, maintenance and other operational costs</b>	1277	1449	1810	2024	2289	2644	2819	
	i) Inland fish - 10%	1262	1446	1802	2017	2289	2644	2819	
	ii) Prawn - 22.5%	15	3	7	7	1	0	0	
3	<b>Gross State Domestic Product</b>	11406	13024	16246	18178	20599	23795	25367	
4	<b>Less consumption of fixed capital</b>	1436	1536	1916	2321	3610	4296	7510	
5	<b>Net State Domestic Product</b>	9970	11488	14330	15857	16989	19499	17757	

## CHAPTER-IV

# MINING AND QUARRYING

### **Coverage**

4.1 The economic activities covered under this sector comprise extraction of minerals which occur in nature as solids, liquids or gases, under-ground and surface mines, quarries and oil wells, with all supplementary operations for dressing and beneficiating ores and other crude minerals such as crushing, screening, washing, cleaning, grading, milling, floatation, melting, palletizing, topping and other preparations needed to render the material marketable. All these activities are covered to the extent they are carried on at the mine site. The production of 'rock salt' is included but production of salt obtained by way of evaporation of water from sea, lakes, etc. is excluded from the purview of this sector. Similarly, the expenditure incurred on preparing mining sites, prospecting and boring activities is not included under this sector.

### **Methodology and Source Material**

#### **Estimates at Current Prices**

4.2 The estimates of state domestic product from this sector have been prepared by the production approach. Accordingly, the gross value of production has been estimated first and then deductions have been made for the inputs used in the production activity.

4.3 The data on quantity and value of major minerals is obtained from the Indian Bureau of Mines (IBM). As regards the value of output of minor minerals, it is obtained from the State Mines & Geology Department.

4.4 The estimates of GSDP at current prices have been obtained by deducting the value of inputs and FISIM from the total value of output. The value of inputs in respect of all major minerals is worked out on the basis of mineral-wise deductible rates as supplied by the IBM for each State separately. For minor minerals, the deductible rates of inputs supplied by the CSO are used to work out the value of inputs.

#### **Estimates at Constant Prices**

4.5 The value of output of major minerals at 2004-2005 prices has been derived by evaluating the quantity of each major mineral at the corresponding pithead price of 2004-2005. In case of minor minerals, which are reported in value terms only, the all India ratio of value of output of minor minerals at constant to current prices is used to obtain the value of output at constant (2004-2005) prices. The adjustment for value of inputs and FISIM is done to arrive at GSDP at constant prices.

**4.6 The estimates of CFC are deducted from GSDP to arrive at NSDP.**

The detailed estimates of SDP from Mining and Quarrying sector for the years 2004-2005 to 2010-11 at both current and constant prices have been given in Tables 28 and 29.

**TABLE-28**  
**STATE DOMESTIC PRODUCT FROM MINING AND QUARRYING**  
**( at current prices)**

Sr.No.	Item	(Rs. Lakh)						
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
<b>1</b>	<b>Value of output</b>	<b>22205</b>	<b>40839</b>	<b>42762</b>	<b>45941</b>	<b>48309</b>	<b>24847</b>	<b>10686</b>
	1.1 Major minerals (metallic)	0	0	0	0	0	0	0
	1.1.1 Iron ore	0	0	0	0	0	0	0
	1.2 Major minerals(non-metallic)	2	0	0	0	0	0	0
	1.2.1 Lime stone	0	0	0	0	0	0	0
	1.2.2 Lime kankar	0	0	0	0	0	0	0
	1.2.3 Silica sand	0	0	0	0	0	0	0
	1.2.4 Slate	0	0	0	0	0	0	0
	1.2.5 Kaolin	0	0	0	0	0	0	0
	1.2.6 Others	2	0	0	0	0	0	0
	1.3 Minor minerals	22203	40839	42762	45941	48309	24847	10686
<b>2</b>	<b>Less: Inputs</b>	<b>2465</b>	<b>4533</b>	<b>4747</b>	<b>5099</b>	<b>7826</b>	<b>3297</b>	<b>1731</b>
	2.1 Major minerals	0	0	0	0	0	0	0
	2.2 Minor minerals	2465	4533	4747	5099	7826	3297	1731
<b>3</b>	<b>Gross State Domestic Product unadjusted for FISIM</b>	<b>19740</b>	<b>36306</b>	<b>38015</b>	<b>40842</b>	<b>40483</b>	<b>21550</b>	<b>8955</b>
	3.1 Major Minerals	2	0	0	0	0	0	0
	3.2 Minor Minerals	19738	36306	38015	40842	40483	21550	8955
<b>4</b>	<b>Less: FISIM</b>	<b>260</b>	<b>499</b>	<b>552</b>	<b>602</b>	<b>593</b>	<b>271</b>	<b>139</b>
<b>5</b>	<b>Gross State Domestic Product</b>	<b>19480</b>	<b>35807</b>	<b>37463</b>	<b>40240</b>	<b>39890</b>	<b>21279</b>	<b>8816</b>
<b>6</b>	<b>Less: consumption of fixed capital</b>	<b>3360</b>	<b>6642</b>	<b>7061</b>	<b>7602</b>	<b>8078</b>	<b>5072</b>	<b>1750</b>
<b>7</b>	<b>Net State Domestic Product</b>	<b>16120</b>	<b>29165</b>	<b>30402</b>	<b>32638</b>	<b>31812</b>	<b>16207</b>	<b>7066</b>



**TABLE- 29**  
**STATE DOMESTIC PRODUCT FROM MINING AND QUARRYING**  
**(at constant prices)**

		(Rs. Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
<b>1</b>	<b>Value of output</b>	<b>22205</b>	<b>40994</b>	<b>39268</b>	<b>40842</b>	<b>40005</b>	<b>19470</b>	<b>8374</b>
	1.1 Major minerals (metallic)	0	0	0	0	0	0	0
	1.1.1 Iron ore	0	0	0	0	0	0	0
	1.2 Major minerals (non-metallic)	2	0	0	0	0	0	0
	1.2.1 Lime stone	0	0	0	0	0	0	0
	1.2.2 Lime kankar	0	0	0	0	0	0	0
	1.2.3 Silica sand	0	0	0	0	0	0	0
	1.2.4 Slate	0	0	0	0	0	0	0
	1.2.5 Kaolin	0	0	0	0	0	0	0
	1.2.6 Others	2	0	0	0	0	0	0
	1.3 Minor minerals	22203	40994	39268	40842	40005	19470	8374
<b>2</b>	<b>Less: Inputs</b>	<b>2465</b>	<b>4550</b>	<b>4358</b>	<b>4534</b>	<b>6481</b>	<b>2584</b>	<b>1357</b>
	2.1 Major minerals	0	0	0	0	0	0	0
	2.2 Minor minerals	2465	4550	4358	4534	6481	2584	1357
<b>3</b>	<b>Gross State Domestic Product unadjusted for FISIM</b>	<b>19740</b>	<b>36444</b>	<b>34910</b>	<b>36308</b>	<b>33524</b>	<b>16886</b>	<b>7017</b>
	3.1 Major minerals	2	0	0	0	0	0	0
	3.2 Minor minerals	19738	36444	34910	36308	33524	16886	7017
<b>4</b>	<b>Less: FISIM</b>	<b>260</b>	<b>569</b>	<b>636</b>	<b>731</b>	<b>705</b>	<b>335</b>	<b>175</b>
<b>5</b>	<b>Gross State Domestic Product</b>	<b>19480</b>	<b>35875</b>	<b>34274</b>	<b>35577</b>	<b>32819</b>	<b>16551</b>	<b>6842</b>
<b>6</b>	<b>Less: consumption of fixed capital</b>	<b>3360</b>	<b>6378</b>	<b>6478</b>	<b>6706</b>	<b>6731</b>	<b>4023</b>	<b>1305</b>
<b>7</b>	<b>Net State Domestic Product</b>	<b>16120</b>	<b>29497</b>	<b>27796</b>	<b>28871</b>	<b>26088</b>	<b>12528</b>	<b>5537</b>

## CHAPTER -V

### REGISTERED MANUFACTURING

#### Coverage

5.1 The registered manufacturing sector covers all organised manufacturing and processing establishments which are registered under Section 2m (i) and 2m (ii) of the Indian Factories Act, 1948 which respectively refers to the factories employing 10 or more workers using power and those employing 20 or more workers but not using power on any day of the preceding 12 months and bidi and cigar establishments registered under Bidi and Cigar Workers (condition of employment) Act, 1966 and employing 10 or more workers using power or 20 or more workers not using power. The establishments not engaged in manufacturing activities, such as, those providing water and sanitary services, recreational and cultural services; personal services etc. though registered under Indian Factories Act, have been excluded from the scope of manufacturing sector and covered under services sector. The establishments engaged in generation, transmission and distribution of electricity are also not covered under registered manufacturing. Similarly, operation of cold storages though classified under manufacturing, are not covered here but included under storage. The railway workshops, currency coinage & mints, ordinance factories and other manufacturing establishments of public sector, are covered under this sector. Further, output of liquefied petroleum gas (LPG) has also been included under this sector as the production of LPG is essentially a manufacturing activity. However, distribution of LPG in cylinders, which is a trading activity, is covered under trade sector.

#### Methodology and Source Material

##### Estimates at Current Prices

5.2 The estimates of Gross Domestic Product i.e. gross value added from this sector have been worked out using production approach. Accordingly, from the value of output (comprising value of products and by-products manufactured, value of work done for customers, value of adjustments in stock and sale value of goods sold in the same condition as purchased), deductions have been made on account of inputs i.e. cost of (i) basic raw materials used in production, (ii) fuel and electricity consumed and (iii) services purchased from outside.

5.3 The National Sample Survey Organization (NSSO) carries out annually a survey of industries known as Annual Survey of Industries (ASI). This survey provides data regarding output, input, depreciation, value added, employment, capital expenditure, etc. separately or census and sample sectors. Gross Domestic Product by manufacturing has been estimated by

tabulating essential characteristics of ASI returns made available by the concerned NSSO office responsible for collection of data. The estimates of gross product from ASI are duly adjusted for non-response units. However, it was observed that the activity pertaining to repair of locomotives and other railroad equipments (NIC-98, code 352) is not captured under ASI. This activity is entirely undertaken by Railways and the exact information on output, inputs etc. is readily available in budget documents of Railways. Therefore, in the new series, gross product from this activity has been estimated using the information available in the budget documents of Railways and not from ASI.

### **Estimates at Constant Prices**

**5.4** The estimates of gross product at constant prices have been obtained by projecting industrial group-wise base year (2004-2005) estimates of gross product with the index of industrial production of the corresponding group being prepared annually at the State level.

**5.5** From the gross product so obtained, adjustment for FISIM has been done. To arrive at the net product, estimates of CFC as supplied by the CSO are deducted from the gross product.

The detailed estimates of SDP from Registered Manufacturing Sector for the years 2004-2005 to 2010-11 both at current and constant prices have been given in Tables 30 and 31.

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**TABLE - 30**  
**STATE DOMESTIC PRODUCT FROM MANUFACTURING-REGISTERED**  
**(at current prices)**

Sr.No.	Item	NIC-98	(Rs. Lakh)							
			2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	10	
1	Manufacture of food products and beverages	15	80558	95103	124980	151407	229043	209422	311622	
2	Mfg. of tobacco products	16	843	1125	1780	2202	1441	775	1422	
3	Manufacture of textiles	17	61029	100134	79415	142375	107043	98837	104550	
4	Manufacture of wearing apparel, dressing & dyeing of fur, tanning & dressing of leather, manufacture of luggage, handbags, etc.	18+19	81591	118381	133642	170999	224531	248678	211945	
5	Mfg. of wood and products of wood except furniture	20	4719	4258	1943	6701	11304	14080	19097	
6	Mfg. of paper and paper products, publishing, printing etc.	21+22	18769	22210	22615	22655	37728	41082	40459	
7	Coke, refined petroleum products, nuclear, rubber & plastic products	23+25	47450	24782	30469	26226	41089	56160	79732	
8	Mfg. of chemical and chemical products	24	55656	42876	90659	96336	154237	189607	152212	
9	Mfg. of other non-metallic mineral products	26	22280	25502	24932	30311	39720	62185	63684	
10	Mfg. of basic iron and steel and non-ferrous metals	27	166223	111890	127912	145763	49812	147475	135313	
11	Mfg. of fabricated metal products, machinery & equipment n.e.c.	+29+30	132949	196004	169079	196324	330592	328723	662893	
12	Elect. Machinery and apparatus n.e.c. + radio, TV & comm. Equip.	31+32	45842	65194	119381	59197	77694	272056	105662	
13	Manufacture of furniture and medical, precision & optical instruments, etc.	33+36	49399	24653	27680	39324	29506	42733	57910	
14	Motor vehicles, trailers and semi-trailers & other transport equip	34+35	617429	738264	813879	914529	1071723	1505133	1717312	
15	Recycling of metal waste and scrap + non-metal scrap	37	0	0	0	0	0	0	0	
16	Repair + Railway + Defence		26851	23811	27070	38014	7949	28358	58837	
17	<b>Gross State Domestic Product unadjusted for FISIM</b>		<b>1411588</b>	<b>1594167</b>	<b>1795436</b>	<b>2042363</b>	<b>2413412</b>	<b>3245284</b>	<b>3722650</b>	
18	Less: FISIM		18627	21907	26070	30113	35348	40840	57749	
19	<b>Gross State Domestic Product</b>		<b>1392961</b>	<b>1572260</b>	<b>1769366</b>	<b>2012250</b>	<b>2378064</b>	<b>3204444</b>	<b>3664901</b>	
20	Less: consumption of fixed capital		290734	315479	377879	491647	580354	580405	732922	
21	<b>Net State Domestic Product</b>		<b>1102227</b>	<b>1256781</b>	<b>1391487</b>	<b>1520603</b>	<b>1797710</b>	<b>2624039</b>	<b>2931979</b>	

**TABLE - 31**  
**STATE DOMESTIC PRODUCT FROM MANUFACTURING-REGISTERED**  
**(at constant prices)**

		(Rs. Lakh)								
Sr.No.	Item	NIC-98	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	10	
1	Manufacture of food products and beverages	15	80558	81323	83207	87148	83616	80648	87878	
2	Mfg. of tobacco products	16	843	962	1141	1245	1266	1565	1713	
3	Manufacture of textiles	17	61029	63161	63801	70082	69466	69777	72673	
4	Manufacture of wearing apparel, dressing & dyeing of fur, tanning & dressing of leather, manufacture of luggage, handbags, etc.	18+19	81591	98507	108647	120963	132003	137870	144213	
5	Mfg. of wood and products of wood except furniture	20	4719	4902	5131	5044	5013	5013	5013	
6	Mfg. of paper and paper products, publishing, printing etc.	21+22	18769	19781	21915	21978	21903	22063	21300	
7	Coke, refined petroleum products, nuclear, rubber & plastic products	23+25	47450	43939	42914	44580	45638	49297	56496	
8	Mfg. of chemical and chemical products	24	55656	53966	61015	65605	71569	84160	92296	
9	Mfg. of other non-metallic mineral products	26	22280	23637	26369	30071	30202	30763	31611	
10	Mfg. of basic iron and steel and non-ferrous metals	27	166223	172016	178050	196786	192017	202523	210697	
11	Mfg. of fabricated metal products, machinery & equipment n.e.c.	+29+30	132949	142026	174927	182282	191011	213802	236704	
12	Elect. Machinery and apparatus n.e.c.+ radio, TV & comm. Equip.	31+32	45842	50650	62594	72764	75401	63345	63192	
13	Manufacture of furniture and medical precision & optical instruments, etc.	33+36	49399	53117	60217	69570	74238	88913	105214	
14	Motor vehicles, trailers and semi-trailers & other transport equipment	34+35	617429	698978	763868	837295	871184	1042653	1155052	
15	Recycling of metal waste and scrap+ non-metal scrap	37	0	0	0	0	0	0	0	
16	Repair + Railway+Defence		26851	30395	33218	36412	37867	45343	50231	
17	<b>Gross State Domestic Product unadjusted for FISIM</b>		<b>1411588</b>	<b>1537360</b>	<b>1687014</b>	<b>1841825</b>	<b>1902414</b>	<b>2137735</b>	<b>2335273</b>	
18	Less, FISIM		18627	24019	30755	37065	39986	42431	58223	
19	<b>Gross State Domestic Product</b>		<b>1392961</b>	<b>1513341</b>	<b>1656259</b>	<b>1804760</b>	<b>1862428</b>	<b>2095304</b>	<b>2277050</b>	
20	Less: consumption of fixed capital		290734	305245	353921	447121	501952	486182	592898	
21	<b>Net State Domestic Product</b>		<b>1102227</b>	<b>1208096</b>	<b>1302338</b>	<b>1357639</b>	<b>1360476</b>	<b>1609122</b>	<b>1684152</b>	

**UNREGISTERED MANUFACTURING****Coverage**

6.1 The registered manufacturing sector and the unregistered manufacturing sector are complementary to each other. These together constitute manufacturing sector. The manufacturing sector covers all manufacturing, processing and repairs & maintenance services units irrespective of their employment size, investment and location. The unregistered manufacturing sector being complementary to registered manufacturing sector, thus, by implication, covers all those units which are not covered under the registered manufacturing sector. In other words, the unregistered manufacturing sector covers all the manufacturing, processing, repairs and maintenance services units employing less than 10 workers and using power or less than 20 workers and not using power. It, by implication, also covers Own Account Enterprises (OAEs) engaged in the manufacturing activity. However, conversion of sugarcane into indigenous gur, slaughtering of animals and dressing of meat carried out by farmers and individuals are excluded from this sector as they are included under agriculture and allied activities.

**Methodology and Source Material****Estimates at Current and Constant Prices**

6.2 The estimates of gross product from this sector have been prepared by following the income approach. The estimates of GVA for the unregistered manufacturing industry for the base year are obtained as a product of work force and GVA per worker in terms of labour input and labour productivity. The GVA estimates for the new series for the base year 2004-05 have been prepared separately for the two segments of the unregistered manufacturing, namely (i) the segment of micro, small and medium enterprises (MSMEs) (other than those covered under the ASI) and (ii) the rest of unorganized manufacturing, i.e., the manufacturing activity which is not covered under either the ASI or the MSME.

The GVA for the MSME segment in the new series has been estimated using the value of output data available from the results of Fourth All India Census on Micro, Small and Medium enterprises, 2006-07 released by the office of the Development Commissioner, Micro, Small and Medium Enterprises and the GVA/GVO ratios available from the Directory Manufacturing Enterprises (DME) (i.e. those employing 6 and above workers) results of NSS, 62<sup>nd</sup> round survey on unorganized manufacturing. The due adjustments have been made to bring the

estimates of GVA of the MSME segment to the price levels of 2004-05.

The estimates of other unregistered manufacturing units, i.e., the units not belonging to MSMEs group have been compiled using information on GVA per worker and workforce. The GVA per worker was available from the integrated surveys of enterprises and households excluding MSME cases in the 62<sup>nd</sup> round of NSS (2005-06) and the same was suitably deflated to the year 2004-05.

The estimates of workforce for this portion of unregistered manufacturing that is for the units neither belonging to ASI nor to MSMEs have been obtained by subtracting the labour input registered manufacturing and MSMEs (Non-ASI) from the total labour input in the manufacturing activity available from the results of NSS, 61<sup>st</sup> round (2004-05) of Employment Unemployment Survey (EUS). The labour input for registered sector is available from the data of annual survey of industries (ASI) in 2004-05. The estimates of labour input for unregistered manufacturing segment covered under MSME have been derived from the "Fourth All India Census of Micro, Small and Medium Enterprises (MSME), 2006-07" suitably carried backward to the year 2004-05.

The above industrial group-wise estimates of gross product for all groups except the groups of Manufacture of wood & products of wood (NIC-98, code-20) and Manufacture of furniture (NIC-98, code-361) for the year 2004-2005 have been moved with the help of index of industrial production of the relevant groups to arrive at the constant prices estimates for the subsequent years. In case of the groups of Manufacture of wood & products of wood (NIC-98, code-20) and Manufacture of furniture (NIC-98, code-361), the estimates of gross product for the year 2004-2005 have been moved with the help of index of the value of output of industrial wood at constant prices to arrive at the constant prices estimates for the subsequent years.

The current prices estimates have been obtained by superimposing the wholesale price index of the respective group on the constant prices estimates.

**6.3** To arrive at the net value added from this sector, the estimates of FISIM and CFC as supplied by the CSO have been deducted from the aggregate gross product.

The detailed estimates of SDP from Unregistered Manufacturing sector for the years 2004-2005 to 2010-11 both at current and constant prices have been given in Tables 32 and 33.

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**TABLE - 32**  
**STATE DOMESTIC PRODUCT FROM MANUFACTURING-UNREGISTERED**  
**(at current prices)**

Sr.No.	Item	NIC-98	(Rs. Lakh)							
			2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	10	
1	Manufacture of food products and beverages	15	114555	121285	136452	147249	150408	164245	182214	
2	Mfg. of tobacco products	16	525	610	762	916	1047	1364	1652	
3	Manufacture of textiles	17	73280	75036	77221	85446	86071	89423	104381	
4	Manufacture of wearing apparel, dressing & dyeing of fur, tanning & dressing of leather, manufacture of luggage, handbags, etc.	18+19	81038	93863	105787	117614	123453	133361	146882	
5	Mfg. of wood and products of wood except furniture	20	28100	30865	34194	35861	39024	42771	44469	
6	Mfg. of paper and paper products, publishing, printing etc.	21+22	23961	26169	30328	31315	32520	33479	34043	
7	Coke, refined petroleum products, nuclear, rubber & plastic products	23+25	36362	38739	40801	42509	48192	51550	66613	
8	Mfg. of chemical and chemical products	24	29436	29623	35155	39149	44691	52416	60549	
9	Mfg. of other non-metallic mineral products	26	24080	26418	32886	41698	42980	46630	49410	
10	Mfg. of basic iron and steel and non-ferrous metals	27	20739	21769	24498	30057	32810	31747	35744	
11	Mfg. of fabricated metal products, machinery & equipment n.e.c.	+29+30	63235	71182	93875	101989	113752	131590	155900	
12	Elect. Machinery and apparatus n.e.c. radio, TV & comm. Equip.	31+32	20967	23735	31540	38137	40400	33492	33661	
13	Manufacture of furniture and medical precision & optical instruments, etc.	33+36	61201	67063	75955	85761	94124	107059	126872	
14	Motor vehicles, trailers and semi-trailers & other transport equip	34+35	83734	97343	108741	122137	133896	165186	188506	
15	Recycling of metal waste and scrap+ non-metal scrap	37	2	2	3	3	4	4	4	
16	<b>Gross State Domestic Product unadjusted for FISIM</b>		<b>661215</b>	<b>723682</b>	<b>828198</b>	<b>919841</b>	<b>984370</b>	<b>1084537</b>	<b>1232900</b>	
17	Less: FISIM		8725	9945	12026	13562	14417	13648	19126	
18	<b>Gross State Domestic Product</b>		<b>652490</b>	<b>713737</b>	<b>816172</b>	<b>906279</b>	<b>969953</b>	<b>1070889</b>	<b>1213774</b>	
19	Less: consumption of fixed capital		126512	142044	161132	172349	195292	222633	242158	
20	<b>Net State Domestic Product</b>		<b>525978</b>	<b>571693</b>	<b>655040</b>	<b>733930</b>	<b>774661</b>	<b>848256</b>	<b>971616</b>	



**TABLE-33**  
**STATE DOMESTIC PRODUCT FROM MANUFACTURING- UNREGISTERED**  
**(at constant prices)**

		(Rs. Lakh)								
Sr.No.	Item	NIC-98	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	10	
1	Manufacture of food products and beverages	15	114555	116517	121636	128501	122696	119224	126194	
2	Mfg. of tobacco products	16	525	599	711	776	789	975	1067	
3	Manufacture of textiles	17	73280	75840	76608	84150	83410	83784	87261	
4	Manufacture of wearing apparel, dressing & dyeing of fur, tanning & dressing of leather, manufacture of luggage handbags, etc.	18+19	81038	92969	100667	110317	113378	117930	122283	
5	Mfg. of wood and products of wood except furniture	20	28100	29189	30555	30034	29851	29851	29851	
6	Mfg. of paper and paper products, publishing printing etc.	21+22	23861	25253	27977	28058	27962	28167	27193	
7	Coke, refined petroleum products, nuclear, rubber & plastic products	23+25	36362	33671	32886	34163	34974	37777	43286	
8	Mfg. of chemical and chemical products	24	29436	28542	32270	34697	37852	44511	46814	
9	Mfg. of other non-metallic mineral products	26	24080	25546	28499	32501	32842	33248	34165	
10	Mfg. of basic iron and steel and non-metals	27	20739	21462	22215	24552	23958	25268	26288	
11	Mfg. of fabricated metal products, machinery & equipment n.e.c.	+29+30	63235	67552	83200	86699	90851	101691	112584	
12	Elect. Machinery and apparatus n.e.c. radio, TV & comm. Equip.	31+32	20967	23166	28629	33281	34487	28973	28903	
13	Manufacture of furniture and medical precision & optical instruments, etc.	33+36	61201	64663	70477	75547	78164	67030	97484	
14	Motor vehicles, trailers and semi-trailers & other transport equip.	34+35	83734	94794	103595	113551	118144	141401	156645	
15	Recycling of metal waste and scrap+ non-metal scrap	37	2	2	2	3	3	3	3	
16	<b>Gross State Domestic Product unadjusted for FISIM</b>		<b>661215</b>	<b>699765</b>	<b>759927</b>	<b>816830</b>	<b>829161</b>	<b>879833</b>	<b>942021</b>	
17	Less: FISIM		8725	10933	13854	16438	17426	17464	23487	
18	<b>Gross State Domestic Product</b>		<b>652490</b>	<b>688832</b>	<b>746073</b>	<b>800392</b>	<b>811733</b>	<b>862369</b>	<b>918534</b>	
19	Less: consumption of fixed capital		126512	136127	147635	152393	165393	182579	190099	
20	<b>Net State Domestic Product</b>		<b>525978</b>	<b>552705</b>	<b>598438</b>	<b>647999</b>	<b>646340</b>	<b>679790</b>	<b>728435</b>	

## CHAPTER – VII

# ELECTRICITY, GAS AND WATER SUPPLY

### Coverage

7.1 The economic activities covered in this sector are:

- (i) Generation, transmission and distribution of electric energy
- (ii) Manufacture of bio-gas and supply of gas through pipe-lines
- (iii) Collection, purification and distribution of water for domestic and industrial consumers.

The operation of irrigation system is, however, excluded and is covered in "Agriculture Sector". The output of liquefied petroleum gas (LPG), which hitherto was included in gas under this sector has now been included under manufacturing sector as the production of LPG is essentially a manufacturing activity.

### Methodology and Source Material

#### Estimates at Current Prices

7.2 The estimates of State Domestic Product of this sector have been obtained by following income approach and have been built up separately for each industry group.

#### Electricity

7.3 The estimates of SDP from four separate bodies namely Haryana Vidyut Parsaran Nigam Ltd., Haryana Power Generation Corporation Ltd., Uttar Haryana Bijli Vitran Nigam Ltd. and Dakshin Haryana Bijli Vitran Nigam Ltd. have been prepared by analyzing their annual accounts. The compensation to employees including basic wages, dearness allowance, overtime payments, gratuity, contribution to provident fund, pension, other social security and staff-welfare expenses, directors fee, etc. and operating surplus have been taken to form SDP from electricity. The SDP from other two bodies, i. e., Power Generation Corporation and National Thermal Power Corporation has been prepared and supplied by the CSO. The adjustment has been made for FISIM.

#### Gas

7.4 The estimates of SDP in respect of Gobar Gas are prepared by multiplying the total number of plants installed up to the current year by value of production per plant. The data regarding number of plants installed is made available by the Ministry of Non-conventional Energy Sources and the value of production per plant is estimated on the basis of Khadi and Village Industry Commission (KVIC) data. This data is supplied by the CSO to the States. In the absence of input structure, the value of output of Gobar Gas is treated as value added.

This is based on the assumption that the value of byproducts in the form of indigenous fertilizers (manure) resulted from the manufacturing of gas is equivalent to the value of gobar used therein. The adjustment has been made for FISIM.

### **Water Supply**

7.5 The estimates of State Domestic Product have been prepared separately for public and private part. In Haryana, almost in all the urban and rural areas, the water supply services are being maintained by the State Public Health Department for which the data on wages and salaries and other benefits to staff is available from the State Budget. The data regarding wages, salaries and other benefits for those urban area in which the water supply services are maintained by the municipal committees/corporations is obtained from their annual budgets. The total expenditure on water supply services obtained from the State Budget and municipal committee budgets has been treated as net product from water supply services in the public sector.

7.6 The net value added for Water Supply services in private sector has been taken as a product of work force and the net value added per worker. The total workforce and the workforce of public part available from the NSS, 61<sup>st</sup> round survey results were used to estimate the workforce of private part for 2004-05. The net value added per worker for 2004-05 has been taken as the average compensation of municipal worker in water supply services supplied by the CSO. The workforce for the subsequent years has been projected with the growth rate observed between 1991 and 2001 census workers engaged in private water supply services. The net value added per worker has been moved to subsequent years with CPI(IW).

### **Estimates at Constant Prices**

7.7 The base year 2004-2005 estimates of GDP from electricity sub-sector have been moved to the subsequent years with the help of quantum index prepared from the data on quantity of electricity consumed.

7.8 In case of gas sub-sector, the GVA for the year 2004-05 is moved to the subsequent years with the number of bio-gas plants.

7.9 In case of water supply sub-sector, estimates of public part at constant prices have been obtained by deflating the current prices estimates of Net Value Added with the consumer price index of industrial workers with base 2004-2005. The base year estimates of NVA of private part have been moved to subsequent years with the growth rate of workforce.



**TABLE - 34**  
**STATE DOMESTIC PRODUCT FROM ELECTRICITY, GAS AND WATER SUPPLY**  
**(at current prices)**

		(Rs. Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	<b>Gross State Domestic Product unadjusted for FISIM</b>	162875	210878	206092	224095	321845	337804	410690
	1.1 Electricity	123927	169075	162457	175901	254585	237867	291571
	1.2 Gas	1745	1781	1820	1858	1908	16884	21534
	1.3 Water supply	37203	40022	41815	46336	65352	83053	97585
2	<b>Less : FISIM</b>	1658	2347	2385	2621	3758	3205	4857
	2.1 Electricity	1635	2323	2359	2594	3730	2993	4523
	2.2 Gas	23	24	26	27	28	212	334
	2.3 Water supply	0	0	0	0	0	0	0
3	<b>Gross State Domestic Product</b>	161217	208531	203707	221474	318087	334599	405833
	3.1 Electricity	122292	166752	160098	173307	250855	234874	287048
	3.2 Gas	1722	1757	1794	1831	1880	16672	21200
	3.3 Water supply	37203	40022	41815	46336	65352	83053	97585
4	<b>Less: consumption of fixed capital</b>	69001	92200	92663	101309	149267	148058	180054
5	<b>Net State Domestic Product</b>	92216	116331	111044	120165	168820	186541	225779

**TABLE - 35**  
**STATE DOMESTIC PRODUCT FROM ELECTRICITY, GAS AND WATER SUPPLY**  
**(at constant prices)**

Sr.No.	Item	(Rs. Lakh)						
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	<b>Gross State Domestic Product unadjusted for FISIM</b>	162875	176551	188379	205130	224978	272620	288758
	1.1 Electricity	123927	136632	149057	164123	173141	204718	215525
	1.2 Gas	1745	1781	1820	1858	1908	12004	13679
	1.3 Water supply	37203	38138	37502	39149	49929	55898	59554
2	<b>Less : FISIM</b>	1658	2163	2750	3340	3680	4301	5715
	2.1 Electricity	1635	2135	2717	3303	3639	4063	5374
	2.2 Gas	23	28	33	37	41	238	341
	2.3 Water supply	0	0	0	0	0	0	0
3	<b>Gross State Domestic Product</b>	161217	174388	185629	201790	221298	268319	283043
	3.1 Electricity	122292	134497	146340	160620	169502	200655	210151
	3.2 Gas	1722	1753	1787	1821	1857	11766	13338
	3.3 Water supply	37203	38138	37502	39149	49929	55898	59554
4	<b>Less: consumption of fixed capital</b>	69001	88376	84687	89247	124802	116063	134572
5	<b>Net State Domestic Product</b>	92216	86012	100942	112543	96496	152256	148471

## CHAPTER -VIII

### CONSTRUCTION

#### Coverage

8.1 This sector covers contract construction by general builders, civil engineering contractors and special trade contractors together with own account construction carried out by independent units of enterprises or other organizations which are not part of construction industry proper. Thus, the activities covered are construction, repair and demolition of buildings, high-ways, streets, culverts, heavy construction, sewers, water mains, rail-road beds, rail road sub-ways, elevated high-ways, bridges, dams, drainage projects, hydro-electric plants, water power projects, sanitation projects, irrigation and flood control projects, land drainage, leveling and reclamation, water wells, communication lines and all other construction works whether undertaken by private bodies or governmental authorities. Due to lack of data, demolition activity has, however, been excluded from this sector.

#### Methodology and Source Material

##### Estimates at Current Prices

8.2. The estimates of state domestic product have been prepared by the expenditure approach using the data on expenditure available from the sample surveys, budget documents, annual reports, etc. The estimates of state domestic product of this sector have been prepared separately for public and private sectors.

##### Public Sector

8.3 The estimates from Public Sector have been compiled under the following components:

- (i) Public Administration
- (ii) Departmental Enterprises of the Government at Central and State level, and
- (iii) Non-departmental Enterprises of the Government at Central and State level.
- (iv) Autonomous Institutions

##### (i) Public Administration

(a) **Central Government Administration:** Under this sub-sector, the Central Government Offices located in the State have been covered. The estimates of gross product of construction in respect of this component have been prepared and supplied by the CSO.

(b) **State Government Administration:** The data regarding expenditure incurred on new construction, repairs and maintenance have been obtained from the report "Economic and Functional Classification of State Government Budget." issued by this department.

(c) **Local Authorities:** Under this sub-sector, local authorities namely municipal corporation/municipal councils/municipal committees, market committees, panchayats, panchayat samities, improvement trusts and cantonment boards have been covered. The information of expenditure incurred by all local bodies except municipal corporation/council/committee has been obtained directly from the concerned authorities. In case of municipal corporation/council/committees, the requisite information has been obtained from the report, "An Economic and Functional Classification of the Budgets of Municipal Committees/Councils/ Corporation in Haryana."

(d) The estimates of GVA from different plan schemes being implemented in the State have been prepared and supplied by the CSO.

**(ii) Departmental Enterprises**

Under this sub-sector, departmental enterprises also known as Departmental Commercial Undertakings (DCUs) run by the Central and State Governments in the State have been covered.

(a) **Central Government Enterprises:** This sub-sector includes Railways, Communication and Banking & Insurance. The accounts of Railways, Communication and Banking & Insurance are prepared separately under the sub-category of supra-regional sectors. The estimates of Gross Product of construction in respect of these sectors have been prepared and supplied by the CSO.

(b) **State Government Enterprises:** This category includes the activities of Govt. irrigation, forestry, power units, milk supply scheme, Govt. printing presses, civil aviation, road transport, radio & television broadcasting, etc. The data on expenditure incurred by the State Government enterprises on new construction, repairs and maintenance has been obtained from the report, "Economic and Functional Classification of State Government Budget".

**(iii) Non-departmental Enterprises**

The non-departmental enterprises also known as Non-Departmental Commercial Undertakings (NDCUs) in the public sector are of two types namely (i) Government Companies in which more than 51 percent share capital is held by Central/State Government and (ii) Statutory Corporations setup under special enactment of the Parliament/ State legislation. The SDP estimates of these enterprises have been compiled under the following two components:

(a) **Central Government Non-departmental Enterprises:** The estimates of gross product of construction sector under this component have been prepared and supplied by the CSO.

(b) **State Government Non-departmental Enterprises:** The estimates have been prepared separately for non-financial enterprises and financial enterprises. The information of expenditure



incurred by these enterprises on construction, repairs and maintenance has been obtained directly from them or from their annual accounts.

(iv) The estimates of gross product of Autonomous Institutions in the State have been prepared and supplied by the CSO.

#### **Private Sector**

**8.4** The estimates of GSDP have been prepared separately for House-hold sector and residual part. In this case also, first the estimates of expenditure on construction have been prepared and thereafter, the estimates of gross product have been arrived at.

(i) **Household Sector:** The household sector covers rural residential buildings, urban residential buildings, non-residential buildings, plantation (cultivated assets) and other households.

(a) **Residential buildings:** The estimates of expenditure on new construction, repairs and maintenance of rural and urban residential buildings are available for the year 2002-03 in the All India Debt & Investment Survey (AIDIS), 2002-03 report "Household Capital Expenditure during 1.7.2002 to 30.6.2003" brought out by the NSSO. The estimates of expenditure on new construction, repairs and maintenance for the year 2004-2005 based on the results of AIDIS, 2002-03 are moved to later years with the help of geometric growth rate of rural and urban census dwellings based on 1991 and 2001 population census data. The price change has been superimposed with the index of cost of construction of rural and urban buildings at the State level to obtain the estimates of expenditure at current prices.

(b) **Non-residential buildings:** The estimates of expenditure on new construction, repairs and maintenance in respect of rural and urban non-residential buildings for the year 2002-03 are also available from the aforesaid report of AIDIS. The estimates of expenditure on new construction, repairs and maintenance for the year 2004-2005 based on the results of AIDIS, 2002-03 have been supplied by the CSO. These estimates of expenditure for the year 2004-2005 are moved to later years with the help of combined index of GVA from agriculture and manufacturing at current and constant prices in the State to obtain the estimates of expenditure at current and constant prices, respectively.

(c) **Plantation and other households :** The estimates of GVA for this part of construction have been prepared and supplied by the CSO.

(ii) **Residual part:** The estimates of GVA for residual part of construction have been prepared and supplied by the CSO.

8.5 The expenditure on construction as compiled above separately for public sector, urban residential buildings, rural residential buildings and non-residential buildings is converted into the estimates of gross product using the ratio of GVA to expenditure supplied by the CSO.

### Estimates at Constant Prices

8.6 In case of public sector, the estimates of GVA at constant prices are arrived at by deflating the current prices estimates of gross product with the index of wages of skilled and unskilled workers for urban area. The GVA estimates of plantation and other households at current prices are deflated with the combined index of building material and labour (rural) to arrive at the estimates at constant prices. The GVA estimates of residual at current prices are deflated with the combined index of building material and labour (urban) to arrive at constant prices estimates.

8.7 From the estimates of gross product so arrived, FISIM has been deducted. The net product has been obtained after deducting CFC from gross product. The estimates of CFC have been supplied by the CSO.

The detailed estimates of SDP from Construction sector for the years 2004-2005 to 2010-11 both at current and constant prices have been given in Tables 36 and 37.

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**TABLE-36**  
**STATE DOMESTIC PRODUCT FROM CONSTRUCTION**  
(at current prices)

Sr.No.	Item	(Rs. Lakh)							
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	
1	Gross State Domestic Product unadjusted for FISIM	938057	1051069	1252281	1431911	1675571	2066136	2232732	
2	Less: FISIM	12378	14444	18183	21113	24541	26001	34836	
3	Gross State Domestic Product	925679	1036625	1234098	1410798	1651030	2040135	2198096	
4	Less: consumption of fixed capital	41973	47288	59030	70009	82565	108026	118296	
5	Net State Domestic Product	883706	989337	1175068	1340789	1568465	1932109	2079800	

**TABLE-37**  
**STATE DOMESTIC PRODUCT FROM CONSTRUCTION**  
(at constant prices)

Sr.No.	Item	(Rs. Lakh)							
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	
1	Gross State Domestic Product unadjusted for FISIM	938057	1023009	1133107	1161738	1217414	1375101	1396989	
2	Less: FISIM	12378	15983	20657	23379	25588	27294	34830	
3	Gross State Domestic Product	925679	1007026	1112450	1138359	1191826	1347807	1362159	
4	Less: consumption of fixed capital	41973	45751	55330	63767	71427	89698	94457	
5	Net State Domestic Product	883706	961275	1057120	1074592	1120399	1258109	1267702	

## CHAPTER-IX

### TRADE, HOTELS AND RESTAURANTS

#### Coverage

9.1 The activities considered in this sector are

- (i) Wholesale and retail trade in all commodities both produced at home (including exports) and imported
- (ii) Activities of purchase and selling agents, brokers and auctioneers
- (iii) Services rendered by hotels and other lodging places, restaurants, cafes and other eating and drinking places.

Wholesale trade covers units which resell without transformation new and used goods generally to the retailers and industries, commercial establishments, institutional and professional users or to other wholesalers. Retail trade covers units which mainly resell without transformation new and used goods for personal or household consumption.

#### Methodology and Source Material

##### Estimates at Current Prices

9.2 The estimates of gross product for this sector have been prepared separately for public sector, private organized sector and private un-organised sector.

- (i) **Public Sector:** Estimates of gross product relating to public sector trading units are based on analysis of annual accounts of public sector trading enterprises. The estimates supplied by the CSO are used as such.
- (ii) **Private Organised Sector:** The estimates of gross product prepared by the CSO have been used.
- (iii) **Private Unorganised Sector:** The contribution of the unorganized segment has been estimated as a product of work force and value added per worker. For preparing the estimates of this segment for base year 1999-2000 in old series, the estimates of workforce of private unorganized part (rural and urban) were obtained for the benchmark year 1999-2000 by subtracting the estimated workforce in public sector and the private organized segment, available from DGET from the total workforce of the sector estimated from the results of NSS, 55<sup>th</sup> round survey on Employment- Unemployment, 1999-2000 along with the data on population from the population census 2001. The GVA per worker used for the old series was that of 'all enterprises' category available in informal sector survey conducted in NSS 55<sup>th</sup> round (1999-2000). As trade has not been covered in the 63<sup>rd</sup> round of NSSO on service sector,

the GVA for the year 1999-2000 has been moved to 2004-05 with the index of gross turnover based on total sales tax receipts in the State.

For preparing the estimates of hotels and restaurants sub-sector, GVA per worker based on 57<sup>th</sup> Round (2001-2002) of NSS and workforce estimates based on the results EUS, NSS 55<sup>th</sup> Round 1999-2000 and population census 2001 were used in the old series with base year 1999-2000. The base year 1999-2000 estimates of gross product prepared separately for urban and rural area were added. The GVA per worker available from Enterprise survey conducted during 63<sup>rd</sup> round (2006-07) of NSS and workforce estimates from Employment- Unemployment survey, 2004-05 alongwith population Census 2001 could not be used due to certain inconsistencies therein. Therefore, the GVA for the year 1999-2000 has been moved to 2004-05 with the index of gross turnover based on total sales tax receipts in the State.

The base year 2004-2005 estimates of gross product prepared separately above for trade, hotels & restaurants under private unorganized sector have been projected to subsequent years with the index of gross turnover based on total sales tax receipts in the State.

### **Estimates at Constant Prices**

**9.3** The estimates at constant (2004-2005) prices have been prepared by deflating the current prices estimates with the wholesale price index of all commodities with base 2004-2005.

**9.4** The estimates of gross product from trade, hotels and restaurants are adjusted for FISIM. To arrive at net product, estimates of CFC supplied by the CSO have been deducted from the gross product.

The detailed estimates of SDP from Trade, Hotels & Restaurants sector for the years 2004-2005 to 2010-11 both at current and constant prices have been given in Tables 38 and 39.

**TABLE-38**  
**STATE DOMESTIC PRODUCT FROM TRADE, HOTELS AND RESTAURANTS**  
**(at current prices)**

Sr.No.	Item	(Rs. Lakh)							
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	
1	Gross State Domestic Product unadjusted for FISIM	1569940	1853536	2256478	2753982	3367040	4220495	5340727	
2	Less: FISIM	20717	25471	32764	40606	49315	53113	82850	
3	Gross State Product Domestic	1549223	1828065	2223714	2713376	3317725	4167382	5257877	
4	Less: Consumption of fixed capital	33983	39503	46694	56679	74425	86026	110582	
5	Net State Domestic Product	1515240	1788562	2177020	2656697	3243300	4081356	5147295	

**TABLE - 39**  
**STATE DOMESTIC PRODUCT FROM TRADE, HOTELS AND RESTAURANTS**  
**( at constant prices)**

Sr.No.	Item	(Rs.Lakh )							
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	
1	Gross State Domestic Product unadjusted for FISIM	1569940	1775417	2029207	2363933	2674376	3226678	3726955	
2	Less: FISIM	20717	27739	36994	47572	56211	64048	92921	
3	Gross State Domestic Product	1549223	1747678	1992213	2316361	2618165	3162632	3634034	
4	Less:consumption of fixed capital	33983	38196	42657	48894	59462	66587	80889	
5	Net State Domestic Product	1515240	1709482	1949556	2267467	2558703	3096045	3553145	

## CHAPTER - X

### TRANSPORT, STORAGE AND COMMUNICATION

#### Coverage

10.1 The economic activities covered in this sector are:

- (i) Transport by railways
- (ii) Transport by other means, namely; road transport (mechanised and non mechanized), water transport (coastal, ocean and inland), air transport and services incidental to transport
- (iii) Storage
- (iv) Communication services rendered by Post & Telecommunication Department and Overseas Communication Services.

Railway workshops and railway manufacturing establishments are excluded from railway transport and included in the 'manufacturing' sector. Construction activity of the railways is also excluded and taken into account in the 'construction' sector. Expenditure on education, medical and health services is also excluded here and included in 'other services'. Similarly, the activities relating to post office savings bank, postal life insurance and telecommunication workshops are excluded from communication and included in banking, insurance and manufacturing sectors respectively.

#### Methodology and Source Material

##### Estimates at Current Prices

10.2 This sector covers (i) railways, (ii) transport by other means viz. road transport, water transport, air transport and services incidental to transport, (iii) communication services of Post & Telecommunication Department & others and (iv) storage. The estimates of gross product have been prepared by following the income approach and have been built up separately for each industry group.

##### Railways

10.3 The SDP estimates of this sub-sector are prepared by the CSO and are used as such.

##### Transport by Other Means

10.4 This sub-sector covers all transport services other than railways and SDP is estimated separately under broad categories as given below:

**Road Transport:** The estimates have been prepared for mechanized and non-mechanised road transport separately.

(i) **Mechanized road transport:** The estimates of mechanized road transport have been prepared separately for (a) Other Scheduled Regular Passenger Land Transport (Code-6021), (b) Other Non-Scheduled Passenger Land Transport by Motor Vehicles (Code-60221), (c) Freight Transport by Motor Vehicles (Code-60231).

In case of other scheduled regular passenger land transport (6021), the estimates have been prepared separately for public and private sectors. In case of public transport, the estimates at current prices are compiled on the basis of data obtained from the State Budget. These estimates at current prices are deflated with CPI (IW) to obtain estimates at constant prices. The estimates for the base year 2004-2005 in respect of private transport have been worked out separately for rural and urban area by using the workforce available from NSS, 61<sup>st</sup> round, EUS 2004-2005 and population census 2001 and GVA per worker based on NSS, 63<sup>rd</sup> round 2006-07. The workforce for the base year is projected to subsequent years with Index based on number of buses and GVA per worker for rural and urban area is moved with the CPI (AL) and CPI (IW) respectively to compile the estimates at current prices for the subsequent years. The base year estimates of GVA are moved to later years with growth rate of workforce to compile estimates at constant prices.

The estimates for the base year 2004-2005 in respect of other non-scheduled passenger transport by motor vehicles (60221) and freight transport by motor vehicles (60231) are compiled separately for rural and urban area by using the estimates of GVA per worker obtained from NSS, 63<sup>rd</sup> round (2006-07) and workforce estimates based on the results of NSS, 61<sup>st</sup> round EUS 2004-2005 and population census 2001. The workforce estimates are projected to subsequent years with the index of number of goods vehicles for freight transport and index of number of passenger vehicles for passenger transport other than bus service. The VAPW for rural and urban area is projected to subsequent years with the CPI(AL) and CPI (IW), respectively to compile the estimates at current prices for the subsequent years. The base year estimates of GDP are moved to later years with growth rate of work force to compile estimates at constant prices.

(iv) **Non-mechanized road transport:-** The estimates of Non-Mechanized Road Transport are prepared separately for Non-scheduled Passenger Land Transport Other than by Motor Vehicles i.e. Carts, Bullock Tonga's etc.(Code-60222) and Freight Transport Other than by Motor Vehicles i.e. by man or animal drawn (Code-60232). In case of non-mechanized road transport,



the GVA per worker estimates are based on 63<sup>rd</sup> round 2006-07 of NSS and workforce estimates are based on the results of NSS, 61<sup>st</sup> round EUS 2004-2005 and population census 2001. The benchmark year estimates of GVA obtained by multiplying the GVA per worker and workforce have been moved forward with the index of value of output of commodity producing sectors both at current and constant prices.

### **Air Transport**

10.5 In case of Air transport (NIC-98, Code-62), the all India GDP estimates at current prices have been allocated to Haryana State on the basis of the percentage share of workforce of Haryana to All India workforce. The GDP estimates at constant prices have been prepared by deflating the estimates at current prices with the CPI (IW).

### **Services Incidental to Transport (Code-63-6302)**

10.6 The estimates of Services Incidental to Transport (NIC-98, Code-63-6302) for private sector have been worked out by multiplying the workforce based on NSS, 61<sup>st</sup> round EUS 2004-2005 and population census, 2001 with GVA per worker available from the NSS, 63<sup>rd</sup> round 2006-2007 adjusted for the base year. The bench mark year estimates of GVA have been moved forward with the index of value of output of commodity producing sectors both at current and constant prices. In case of public sector, the estimates at current prices are supplied by the CSO. These estimates at current prices are deflated with CPI (IW) to obtain the estimates at constant prices.

### **Storage**

10.7 The estimates of State Domestic Product from storage sub-sector have been prepared separately for (i) warehousing, (ii) cold storage and (iii) storage not elsewhere classified.

In case of warehousing, gross product has been obtained by analyzing the annual accounts of Central and State Warehousing Corporation. The value added from Central Warehousing Corporation (CWC) has been allocated to the States in proportion to the capacity of CWC Warehouses in the State to total storage capacity of CWC.

In case of cold storage and the storage not elsewhere classified, the all India GDP estimates at current prices have been allocated to Haryana state on the basis of percentage share of workforce of Haryana state to all India workforce.

### **Communication**

10.8 The estimates of GVA from this sub-sector for public sector are prepared by the CSO and are used as such. The estimates of GVA relating to private communication services have been prepared for the economic activities namely (i) Courier activities (NIC-98, code-64120),

(ii) Activities of cable operators (NIC-98, code-64204) and (iii) Other communication (NIC-98, code-642 (-) 64204). The activity-wise methodology adopted for estimation of GVA is given below:-

**Courier Services:-** The estimates of GVA for courier services have been prepared by using the estimates of value added per worker from the results of NSS, 63<sup>rd</sup> round 2006-07 and the corresponding work force estimates based on NSS, 61<sup>st</sup> round EUS 2004-2005 and population census, 2001 for the base year estimates. For subsequent years, work force is projected using the inter-survey geometric growth rate observed between 1999-2000 and 2004-2005 workforce and VAPW of rural and urban area is moved with the CPI (AL) and CPI (IW) respectively.

**Cable Operators:-** For this activity, the same methodology has been adopted as in case of courier services.

**Other Communication:-** The estimates of GVA for private unorganized sector for the benchmark year have been compiled using the estimated VAPW from NSS, 63<sup>rd</sup> round 2006-07 survey results and the estimated workforce based on NSS, 61<sup>st</sup> round EUS 2004-2005 and population census, 2001. For the subsequent years, work force is projected using the inter survey geometric growth rate observed between 1999-2000 and 2004-2005 workforce and VAPW of rural and urban areas is moved with the CPI (AL) and CPI (IW) respectively. The estimates of GVA for private corporate sectors has been prepared and supplied by the CSO.

Gross Product from Transport and Storage sub-sectors is adjusted for FISIM. Net product has been obtained after deducting CFC from gross product. The estimates of CFC have been supplied by the CSO.

### **Estimates at Constant Prices**

#### **Railways**

10.9 The estimates of gross product at constant prices are prepared by the CSO and are used as such.

#### **Storage**

10.10 In case of warehousing, cold storage and not elsewhere classified sub-sectors, base-year estimates of 2004-05 have been projected with the help of index of storage capacity of the respective sub sector to arrive at the estimates at constant prices for the subsequent years.

#### **Communication**

10.11 The constant prices estimates of communication sub-sector for public part are prepared and supplied by the CSO. For private unorganized communication services, the constant prices



**TABLE - 40**  
**STATE DOMESTIC PRODUCT FROM TRANSPORT,**  
**STORAGE & COMMUNICATION**  
**(at current prices)**

Sr.No.	Item	(Rs. Lakh)						
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
I	<b>Gross State Domestic Product unadjusted for FISIM</b>	782658	944233	1101389	1341189	1531949	1903186	2170699
	1. Railways	119028	152868	179996	240152	223999	266624	225724
	2. Transport by other means	547649	661015	789850	950738	1131775	1428927	1744467
	2.1 Road Transport (Mechanised)	488083	596536	712072	862220	1024236	1303469	1596577
	2.2 Road Transport (Non-Mechanised)	38474	41604	49868	57734	68912	81306	93974
	2.3 Water Transport	0	0	0	0	0	0	0
	2.4 Air Transport	9897	10046	12872	13152	19085	20845	27506
	2.5 Services incidental to transport.	11195	12829	15038	17632	19542	23307	26410
	3. Storage	7694	7567	7873	13719	14927	12471	16403
	3.1 Warehousing	5612	5373	5237	10554	11108	7868	10781
	3.2 Cold storage	848	909	1072	1267	1388	1486	1707
	3.3 Storage (Not elsewhere classified)	1234	1285	1564	1898	2431	3117	3915
	4. Communication	108289	122783	123670	136580	161248	195164	184105
II	<b>Less : FISIM</b>	7329	9188	11583	14220	16795	18139	27319
	1. Railways	0	0	0	0	0	0	0
	2. Transport by other means	7227	9084	11469	14018	18576	17982	27062
	3. Storage	102	104	114	202	219	157	257
	4. Communication	0	0	0	0	0	0	0

TABLE-41  
STATE DOMESTIC PRODUCT FROM TRANSPORT

1	2	3	4	5	6	7	8	9
<b>III Gross State Domestic Product</b>		<b>775329</b>	<b>935045</b>	<b>1089806</b>	<b>1326969</b>	<b>1515154</b>	<b>1885047</b>	<b>2143380</b>
1. Railways		119026	152868	179996	240152	223999	268624	225724
2. Transport by other means		540422	651931	778381	936720	1115199	1410945	1717405
3. Storage		7592	7463	7759	13517	14708	12314	16146
4. Communication		108289	122783	123670	136580	161248	195164	184105
<b>IV Less :Consumption of fixed capital</b>		<b>100428</b>	<b>126173</b>	<b>141297</b>	<b>160072</b>	<b>176206</b>	<b>204892</b>	<b>211961</b>
1. Railways		36216	50234	56830	64176	71157	79737	74245
2. Transport by other means		46170	55023	64170	72078	74542	85052	98007
3. Storage		321	385	450	507	505	732	750
4. Communication		17721	20531	19847	23311	30004	39371	38959
<b>V Net State Domestic Product</b>		<b>674901</b>	<b>808872</b>	<b>948509</b>	<b>1166897</b>	<b>1338946</b>	<b>1680155</b>	<b>1931419</b>
1. Railways		82810	102634	123166	175976	152842	188887	151479
2. Transport by other means		494252	596908	714211	864642	1040657	1325893	1619398
3. Storage		7271	7078	7309	13010	14203	11582	15396
4. Communication		90568	102252	103823	113269	131244	155793	145146

**TABLE - 41**  
**STATE DOMESTIC PRODUCT FROM TRANSPORT,**  
**STORAGE & COMMUNICATION**  
**(at constant prices)**

		(Rs. Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
<b>I</b>	<b>Gross State Domestic Product unadjusted for FISIM</b>	782658	930618	1035553	1181014	1245721	1367803	1441325
	<b>1 Railways</b>	119026	155685	167503	210558	194191	206261	188131
	<b>2. Transport by other means</b>	647649	631261	708581	789552	845864	930222	1027511
	2.1 Road Transport (Mechanised)	488083	569670	639165	717702	768597	850748	941065
	2.2 Road Transport (Non-Mechanised)	38474	39766	44444	46363	48625	50640	54219
	2.3 Water Transport	0	0	0	0	0	0	0
	2.4 Air Transport	9897	9573	11545	11112	14581	14029	16786
	2.5 Services incidental to transport.	11195	12252	13427	14375	14061	14805	15441
	<b>3. Storage</b>	7694	7180	6922	7108	7307	8101	7793
	3.1 Warehousing	5612	5316	5178	5291	5413	5977	5765
	3.2 Cold storage	848	759	711	740	771	865	826
	3.3 Storage (Not elsewhere classified)	1234	1105	1033	1077	1123	1259	1202
	<b>4. Communication</b>	108289	136492	152547	173796	198359	223219	217890
<b>II</b>	<b>Less: FISIM</b>	7329	9975	13044	16032	17932	18623	25813
	1. Railways	0	0	0	0	0	0	0
	2. Transport by other means	7227	9863	12918	15869	17778	18462	25618
	3. Storage	102	112	126	143	154	161	195
	4. Communication	0	0	0	0	0	0	0

1	2	3	4	5	6	7	8	9
<b>III</b>	<b>Gross State Domestic Product</b>	<b>775329</b>	<b>920643</b>	<b>1022509</b>	<b>1164982</b>	<b>1227789</b>	<b>1349180</b>	<b>1415512</b>
	1. Railways	119026	155685	167503	210558	194191	206261	188131
	2. Transport by other means	540422	621398	695663	773663	828066	911760	1001893
	3. Storage	7592	7068	6796	6965	7153	7940	7598
	4. Communication	108289	136492	152547	173796	198359	223219	217890
<b>IV</b>	<b>Less: consumption of fixed capital</b>	<b>100428</b>	<b>122721</b>	<b>132214</b>	<b>143024</b>	<b>147133</b>	<b>168703</b>	<b>166474</b>
	1. Railways	36216	49212	52933	55712	56455	65248	57122
	2. Transport by other means	46170	53473	60693	66256	64975	71662	79939
	3. Storage	321	370	406	431	395	537	511
	4. Communication	17721	19666	18182	20623	25308	31256	28902
<b>V</b>	<b>Net State Domestic Product</b>	<b>674901</b>	<b>797922</b>	<b>890295</b>	<b>1021958</b>	<b>1080656</b>	<b>1180477</b>	<b>1249038</b>
	1. Railways	82810	106473	114570	154846	137736	141013	131009
	2. Transport by other means	494252	567925	634970	707405	763111	840096	921954
	3. Storage	7271	6896	6390	6534	6758	7403	7087
	4. Communication	90568	116826	134365	153173	173051	191963	188988

## CHAPTER-XI

### BANKING AND INSURANCE

#### Coverage

11.1 This sector covers:

- (i) Commercial Banks
- (ii) Banking and Issue Department of RBI
- (iii) Public Non-banking Financial Corporations
- (iv) Organized Non-banking Financial Companies such as stock exchanges and chit funds
- (v) Un-organized Non-banking Financial Undertakings such as professional money lenders and pawn brokers
- (vi) Post Office Saving Banks including operations concerning Cumulative Time Deposits and National Savings Certificates
- (vii) Co-operative Credit Societies and
- (viii) Life and Non-life Insurance Activities.

#### Methodology and Source Material

##### Estimates at Current and Constant Prices

11.2 Due to non-availability of State-wise data in respect of this Supra-regional sector, the allocation of GDP shares of the States from the national total is done by the CSO each year both at current and constant prices and communicated to States. These estimates have been taken as such to represent the income from this sector.

The detailed estimates of GDP from Banking and Insurance sector for the years 2004-2005 to 2010-11 both at current and constant prices have been given in Tables 42 and 43, respectively.

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**TABLE - 42**  
**STATE DOMESTIC PRODUCT FROM BANKING AND INSURANCE**  
**(at current prices)**

Sr.No.	Item	(Rs. Lakh)						
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	Gross State Domestic Product	303307	349355	419335	495043	577626	662709	895184
2	Less: consumption of fixed capital	5319	6230	7279	8263	9158	10410	12942
3	Net State Domestic Product	297988	343125	412056	486780	568468	652299	882242

**TABLE - 43**  
**STATE DOMESTIC PRODUCT FROM BANKING AND INSURANCE**  
**(at constant prices)**

Sr.No.	Item	(Rs. Lakh)						
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	Gross State Domestic Product	303307	376132	461571	549718	614555	707106	886898
2	Less: consumption of fixed capital	5319	6009	6777	7462	7865	8617	10276
3	Net State Domestic Product	297988	370123	454794	542256	606690	698489	876622

## CHAPTER-XII

# REAL ESTATE, OWNERSHIP OF DWELLINGS, LEGAL AND BUSINESS SERVICES

### Coverage

12.1 The economic activities covered in this sector are:

- i) **Real Estate Services:** This sub-sector includes buying, selling, renting and operating of self owned or leased real estate such as apartment buildings and dwellings, non-residential buildings, developing and sub-dividing real estate into plots, developing and sale of land, etc.
- ii) **Renting of Machinery and Equipments without Operator and Personal and Household Goods:** The activities covered under this category are the activities of renting of machinery and equipments without operator and personal/household goods.
- iii) **Legal Activities:** The activities covered in this category are legal services such as those rendered by Advocates, Barristers, Solicitors, Pleaders, Musketeers etc.
- iv) **Accounting and Book-Keeping:** The activities covered under this category are accounting, book-keeping, auditing and tax consultancy services.
- v) **Research and Development Activities:** This category includes research and development, market research and public opinion polling, business and management consultancy, architectural, engineering & other technical activities, advertising and business activities.
- vi) **Computer and Related Activities/Information and Technology:** The activities covered under this category are hardware consultancy, software consultancy & supply, data processing, data base activities, maintenance & repair of office/accounting/computing machinery and other computer related activities.
- vii) **Ownership of Dwellings:** The economic activities covered in this sub-sector are ownership of dwellings (occupied residential houses) including imputed value of owner occupied dwellings also. The services rendered by non-residential buildings are considered to be a subsidiary activity of the industries, which occupy the buildings and, therefore, are not included in this sector.

## **Methodology and Source Material**

### **Estimates at Current Prices**

#### **Real Estate Services**

12.2 In the new series, the GVA estimates at current prices for these services have been worked out separately for rural and urban area by multiplying the GVA per worker with the number of workers engaged in this activity. The GVA per worker estimates for the base year 2004-05 have been obtained from NSS, 63<sup>rd</sup> round, (2006-07) suitably adjusted for 2004-05 and workforce have been obtained from results of NSS, 61<sup>st</sup> Round, EUS 2004-05 and population census 2001. For subsequent years, the work force has been projected using annual compound growth rate observed between 1999-2000 and 2004-05 workforce and GVA per worker has been projected using CPI(AL) for rural area and CPI (IW) for urban area.

#### **Renting of Machinery & Equipments, Legal Activities, Accounting & Book-Keeping and Research & Development activities**

12.3 The GVA estimates for all above four activities i.e. Renting of Machinery & Equipments, Legal, Accounting & Book-Keeping and Research & Development have been worked out by adopting the same methodology as in case of Real Estate activities.

#### **Ownership of Dwellings**

12.4 The GVA for the ownership of dwellings in rural and urban area is equivalent to the gross rental of the residential census houses less the cost of repairs and maintenance. The number of residential houses in urban and rural area during the year 2004-05 is worked out by using the data of residential houses obtained from population census 2001 and compound growth rate recorded between 1991 and 2001 residential census houses. For subsequent years also, the number of rural and urban residential houses have been projected by using the same compound growth rate.

In case of urban area, the residential houses as worked out above and rent per household obtained from the results of 61<sup>st</sup> Round, NSS on employment and un-employment and consumer expenditure 2004-05 have been used to estimate the gross rental for the year 2004-05. For subsequent years, rent per dwelling has been moved with the CPI (UNME) of house rent sub-group to get the estimates at current prices. The expenditure on repairs and maintenance based on AIDIS, 2002-03 is subtracted from the gross rental to get estimates of GVA.

However, in case of rural area, the methodology for estimating the value added from the dwellings is somewhat different. In the old series, the GVA for the ownership of dwellings in

rural area was equivalent to the gross rental of the residential census houses less the cost of repair and maintenance. The residential houses as worked out on the basis of population census 2001 and rent per household obtained from the results of 55<sup>th</sup> round of NSS, 1999-2000 were used to estimate the gross rental for the year 1999-2000. The residential houses projected on the basis of compound growth between 1999 and 2001 residential census houses and rent per household moved with the CPI (UNME) of rural area were used to estimate the gross rental from rural dwellings at current prices for the subsequent years. In absence of any suitable indicator, half the growth of urban index was assumed to hold good for the rural area. The expenditure on repair and maintenance based on AIDIS, 1991-92 was subtracted from the gross rental to get estimates of GVA. The estimates of value added from the rural dwellings in the new series have been worked out by multiplying the estimates of value added of dwellings in the old series with base 1999-2000 with the All India ratio of value added from rural dwellings in new series with base 2004-05 to value added from rural dwellings in old series with base 1999-2000.

### **Computer and Related Activities/Information and Technology**

12.5 The estimates of GVA have been compiled for organized and unorganized segments separately.

The GVA estimates for organized segment prepared are based on two components i.e. the value of software exported from the State and value of domestic software in the State. As the data relating to the value of domestic software is not available in the State, its value has been worked out from the value of exports of software from the State available from the NASSCOM on the basis of all India ratio of value of domestic software to the value of exports. As suggested by the CSO, the total GVO in the State has been calculated as sum of 82 percent of the value of exports and the value of domestic software. The GSDP has been estimated by taking 68 percent of the GVO of computer software in the State.

The estimates of GVA for the year 2004-2005 for the un-organized segment have been prepared using the data on workforce and value added per worker obtained from the results of NSS, 61<sup>st</sup> Round, EUS 2004-05 and NSS, 63<sup>rd</sup> Round (2006-2007), respectively. The estimates have been prepared for rural and urban area separately. The workforce for subsequent years is projected using the population growth rate observed between 1991 and 2001 Census. The GVA per worker for rural and urban area for subsequent years has been projected by using CPI (AL) and CPI (IW), respectively.

## **Estimates at Constant Prices**

### **Real Estate Services, Renting of Machinery & Equipment, Legal Services, Accounting & Book-Keeping and Research & Development activities**

12.6 The base year estimates of SDP for these sub-sectors have been moved to the later years with the growth rate of work force.

### **Computer and Related Activities**

12.7 In case of organized segment, the estimates at constant prices are prepared by deflating the current prices estimates with CPI (IW). In case of unorganized segment, the estimates at constant prices have been prepared by multiplying the workforce of different years with GVA per worker of base year.

### **Ownership of Dwellings**

12.8 In case of urban area, the estimates of gross rental for the base year 2004-2005 have been moved to the subsequent years with the growth rate of census dwellings. The expenditure on repairs and maintenance at current prices has been deflated with the combined index of building material and labour. In case of rural areas, the base year value added from dwellings has been moved with the annual growth rate of dwellings.

12.9 The estimates of Gross Product of Research and Development activities have been adjusted for FISIM.

12.10 To arrive at Net Product, estimates of CFC supplied by the CSO have been deducted from the Gross Product.

The detailed estimates of SDP from Real Estate, Ownership of Dwellings, Legal and Business Services sector for the years 2004-2005 to 2010-11 both at current and constant prices have been given in Tables 44 and 45.

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**TABLE - 44**  
**STATE DOMESTIC PRODUCT FROM REAL ESTATE, OWNERSHIP OF**  
**DWELLINGS, LEGAL AND BUSINESS SERVICES**  
**(at current prices)**

		(Rs.Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	<b>Gross rental of dwellings</b>	340239	362559	402885	504429	568862	621688	749332
	1.1 Rural	154151	166285	185953	235337	280171	312212	353080
	1.2 Urban	186088	196274	216932	269092	288691	309476	396252
2	<b>Less: cost of repairs &amp; maintenance of dwellings</b>	15626	17088	18714	20945	23375	33835	38049
	2.1 Rural	8613	9632	10517	11859	13373	18333	19519
	2.2 Urban	6813	7456	8197	9086	10002	15502	18530
3	<b>Gross State Domestic Product unadjusted for FISIM</b>	845392	1059403	1197224	1470299	1735394	2178832	2617276
	3.1 Dwellings	324613	345471	384171	483484	545487	587853	711283
	3.1.1 Rural	145338	156653	175436	223478	266798	293879	333561
	3.1.2 Urban	179275	188818	208735	260006	278689	293974	377722
	3.2 Real Estate Services	12148	17608	26069	38826	60411	96810	150974
	3.3 Renting of machinery & equipments	8180	10850	15012	21331	31938	49855	76209
	3.4 Computer & related activities	446643	622935	698293	839670	990779	1309483	1513600
	3.5 Business services	32070	37842	45250	54223	67513	86457	107387
	3.6 Legal services	16416	18834	21427	24666	29527	36334	43383
	3.7 Accounting & book keeping	5322	6063	7002	8099	9739	12040	14440
4	<b>Less FISIM</b>	423	520	657	799	989	1088	1667
5	<b>Gross State Domestic Product</b>	844969	1058883	1196567	1469500	1734405	2177744	2615609
6	<b>Less: consumption of fixed capital</b>	104081	117511	136283	160639	194723	227030	269328
7	<b>Net State Domestic Product</b>	740888	941372	1060284	1308861	1539682	1950714	2346281

**TABLE - 45**  
**STATE DOMESTIC PRODUCT FROM REAL ESTATE, OWNERSHIP OF**  
**DWELLINGS, LEGAL AND BUSINESS SERVICES**  
**(at constant prices)**

Sr.No.	Item	(Rs.Lakh)						
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	Gross rental of dwellings	340239	352246	364220	376579	389501	405428	418737
	1.1 Rural	154151	159128	163806	168593	173657	181430	186276
	1.2 Urban	186088	193118	200414	207986	215844	223998	232461
2	Less :cost of repairs & maintenance of dwellings	15626	16643	16871	16958	17140	23194	23851
	2.1 Rural	8813	9367	9488	9579	9804	12591	12299
	2.2 Urban	6813	7276	7383	7379	7336	10603	11552
3	Gross State Domestic Product unadjusted for FISIM	845392	1015973	1076562	1193024	1281027	1452260	1557157
	3.1 Dwellings	324613	335603	347349	359621	372361	382234	394886
	3.1.1 Rural	145338	149761	154318	159014	163853	168839	173977
	3.1.2 Urban	179275	185842	193031	200607	208508	213395	220909
	3.2 Real Estate Services	12148	16785	23382	32767	46111	65084	92055
	3.3 Renting of machinery & equipments	8180	10354	13469	17925	24287	33360	46291
	3.4 Computer & related activities	446843	593611	626272	709418	756954	881329	923711
	3.5 Business services	32070	36077	40590	45673	51397	57846	65111
	3.6 Legal services	16416	17763	19219	20795	22500	24345	26342
	3.7 Accounting & book keeping	5322	5780	6281	6825	7417	8062	8761
4	Less FISIM	423	564	739	919	1080	1148	1623
5	Gross State Domestic Product	844969	1015409	1075823	1192105	1279947	1451112	1555534
6	Less: consumption of fixed capital	104081	113730	122382	133181	147883	165155	182588
7	Net State Domestic Product	740888	901679	953441	1058924	1132064	1285957	1372946

## CHAPTER XIII

### PUBLIC ADMINISTRATION

#### **Coverage**

13.1 The services included in Public Administration are those rendered by the administrative departments of Central Government, State Government, Autonomous Institutions, Municipal Committees, Notified Area Committees, Market Committees, Improvement Trusts, Zila Parishads, Village Panchayats, Panchayat Samities and Cantonment Boards. It may, however, be stated that this sector does not cover the entire field of activities of Government or local bodies. The activities of departmental commercial undertakings of Government such as, railways, communication, forest, road transport, electricity, irrigation, Government printing presses, milk schemes and defence manufacturing establishments are excluded from this sector and are included in the appropriate industry groups. Similarly, the construction activities undertaken by the Government are covered under the industry group of construction whereas education, medical & health services are included in the industry group of other services. The scope of this sector is, thus, practically the same as that of the industry 'government services' as defined in the Standard Industrial Classification.

#### **Methodology and Source Material**

##### **Estimates at Current Prices**

13.2 The estimates of State Domestic Product from public administration are prepared separately for various administrative services covered under this sector. The payments of wages and salaries have been taken to constitute SDP from administrative services. The wages and salaries include basic wages, allowances and honoraria (excluding travelling allowances), wages paid to contingency staff, pension actually paid, employer's contribution to provident fund, if any, and supplement to wages and salaries in cash or kind.

(i) **Central Government:** The estimates of Gross/Net State Domestic Product from Central Government Administration under the supra-regional sector have been prepared and supplied by the CSO.

(ii) **State Government:** The budget documents of the State Government provide the detailed information on the expenses incurred by the State Government on its various activities. The data on expenditure on wages and salaries have been culled out from the budget documents. The expenditure shown under pay of officers, pay of establishments, allowances and honoraria (other than traveling allowance) have been taken into account. The wages and salaries of staff engaged in departmental commercial undertakings, construction activities, education, medical and public



health have been excluded from this sector and accounted for in the respective industry groups. In case of minor heads, where break-up of accounts is not available in the budget documents, the details are obtained from the concerned departments. The expenditure on repairs and maintenance is considered as current expenditure and has been included under the industry 'Construction'. The wages and salaries component of contingent expenditure, where it is available, has been taken into account. In case where the details are not available, the same have been ignored.

**(iii) Autonomous Institutions:** The estimates of SDP relating to services provided by the Autonomous Institutions have been prepared and supplied by the CSO.

**(iv) Municipal Committees:** Only expenditure on wages, salaries and other allowances has been taken from the major head 'General Administration' in G-1 form (budget) of all the municipal committees in the State. The expenditure on education, construction, medical and public health has been excluded from this sector as these have been accounted for in respective industry groups.

**(v) Zila Parishads and Panchayat Samities:** The expenditure on wages and salaries has been culled out from the annual receipts and expenditure statements of all the Zila Parishads and Panchayat Samities.

**(vi) Gram Panchayats:** The expenditure on wages and salaries have been obtained from annual statements (Statement No. V) of Panchayat Funds.

**(vii) Market Committees, Improvement Trusts and Cantonment Boards:** The required data has been collected from all the market committees, improvement trusts and cantonment boards in the State.

### **Estimates at Constant Prices**

**13.3** The estimates of value added at constant prices have been obtained by deflating the current prices estimates with CPI(IW) with base year 2004-2005.

**13.4** The estimates of CFC supplied by the CSO have been used.

The detailed estimates of SDP from Public Administration sector for the years 2004-2005 to 2010-11 both at current and constant prices have been given in Tables 46 and 47.

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**TABLE - 46**  
**STATE DOMESTIC PRODUCT FROM PUBLIC ADMINISTRATION**  
**(at current prices)**

		(Rs.Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	<b>Net State Domestic Product</b>	190443	217647	232931	261744	377594	473918	546269
	1.1 State Government & Local Bodies	161666	184662	196994	228414	307009	408408	487175
	1.2 Central Government	15923	17497	20239	16478	43202	35683	34973
	1.3 Autonomus Institutions	12854	15488	15698	16852	27383	29847	24121
2	Add: consumption of fixed capital	45601	51784	56180	64529	73023	86573	104063
3	<b>Gross State Domestic Product</b>	236044	269431	289117	326273	450617	562491	650332

**TABLE - 47**  
**STATE DOMESTIC PRODUCT FROM PUBLIC ADMINISTRATION**  
**(at constant prices)**

		(Rs.Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	<b>Net State Domestic Product</b>	190443	207401	208907	221142	288482	318965	333375
	1.1 State Government & Local Bodies	161666	175969	176676	192982	234555	274874	297312
	1.2 Central Government	15923	16673	18152	13922	33006	24003	21343
	1.3 Autonomus Institutions	12854	14759	14079	14238	20921	20088	14720
2	Add: consumption of fixed capital	45601	49846	51431	56471	59705	66918	73065
3	<b>Gross State Domestic Product</b>	236044	257247	260338	277613	348187	385883	406440

## CHAPTER XIV

### OTHER SERVICES

#### Coverage

14.1 The economic activities covered under this sector are :

- (i) Coaching and tuition (NIC-98, codes 80903 and 80904)
- (ii) Education excluding coaching and tuition (NIC-98, codes 80(-) 80903 (-) 80904)
- (iii) Human health activities including veterinary activities (NIC-98, code 851+852).
- (iv) Sewage and refuse disposal, sanitation activities (NIC-98, code 90)
- (v) Activities of membership organizations(+) social work (NIC-98, code 91 + 853)
- (vi) Recreational, cultural and supporting activities(NIC-98, code 92)
- (vii) Washing and cleaning of textiles and fur products (NIC-98, code-9301)
- (viii) Hair dressing and other beauty treatment (NIC-98, code-9302)
- (ix) Funeral and related activities (NIC-98, code-9303+9309 )
- (x) Private households with employed person (NIC-98, code-95)
- (xi) Custom tailoring (NIC-98, code-18105)
- (xii) Extra-territorial organizations and bodies (NIC-98, code-99).

#### Methodology and Source Material

##### Estimates at Current Prices

14.2 The estimates of SDP from this sector have been prepared by following the income approach. While estimating labour income, the earnings of both primary and secondary workers engaged in such services have been taken into account.

The method generally followed for estimation of value added for different categories of services in the non-public segment is the labour input method i.e. estimated workforce multiplied by the average value added per person in the activity. For the public part, estimates are compiled by analyzing the budget documents of the state.

14.3 **Coaching and Tuition (NIC-98, codes 80903 and 80904):-** In the new series, the GVA estimates at current prices for these services have been worked out separately for rural and urban area by multiplying the GVA per worker with the number of workers engaged in this activity.

The GVA per worker estimates for the base year 2004-2005 have been obtained from NSS, 63<sup>rd</sup> round (2006-07) suitably adjusted for 2004-2005 and workforce has been obtained from results of NSS, 61<sup>st</sup> Round, EUS, 2004-05 and population census 2001. For subsequent years, the work force has been projected using annual compound growth rate observed between 1999-2000 and 2004-2005 workforce and GVA per worker has been projected using CPI(AL) for rural area and CPI(IW) for urban area.

#### **14.4 Education excluding coaching and tuition (NIC121-98 codes 80 (-) 80903 (-) 80904):-**

The activities covered under this compilation category are the activities of public sector institutions and of private education institutions, excluding those of coaching centres and individuals providing tuitions. The GVA for the recognized institutions under public sector has been taken from budget documents. The GVA estimates for private corporate and unorganised institutions have been compiled separately for rural and urban area using the results of NSS, 61<sup>st</sup> round, EUS 2004-05 and population census 2001 (after excluding the workforce in public sector) for workforce and the results of NSS, 63<sup>rd</sup> round, 2006-07 for VAPW. For subsequent years, the work force has been projected using annual compound growth rate observed between 1999-2000 and 2004-2005 workforce and GVA per worker has been projected using CPI (AL) for rural area and CPI (IW) for urban area.

#### **14.5 Human health activities including Veterinary activities (NIC-98, code 851+852):-**

In the new series, the estimates of GVA in human health services have been prepared separately for public and private sectors. The estimates relating to public part of human health including veterinary services are the expenditure on salaries and wages of doctors and other paramedical staff obtained from State Budget documents. The GVA for private corporate sector and unorganized sector have been estimated using workforce estimates available from NSS 61<sup>st</sup> round (2004-05) and VAPW estimated from the results of NSS 63<sup>rd</sup> round (2006-07) survey on services sector. For subsequent years, the work force has been projected using annual compound growth rate observed between 1999-2000 and 2004-2005 workforce and GVA per worker has been projected using CPI (AL) for rural area and CPI (IW) for urban area.

#### **14.6 Sewage and refuse disposal, sanitation activities (NIC-98, code 90):-**

The estimates of State Domestic Product have been arrived at by adopting income approach and have been prepared separately for public and private part. In case of public part, the GVA is prepared and supplied by the CSO. The GVA for private sector for the benchmark year 2004-05 have been estimated using workforce estimates available from NSSO, 61<sup>st</sup> round (2004-05) and VAPW estimated from the results of NSS 63<sup>rd</sup> round (2006-07) survey on

services sector. The value added per worker for the year 2004-2005 has been moved forward to the subsequent years using CPI(IW) in case of urban area and CPI(AL) in case of rural area. The workforce for the year 2004-2005 has been moved forward to the subsequent years by using annual compound growth rate observed between 1999-2000 and 2004-05 workforce.

#### **14.7 Activities of membership organizations (+) social work (NIC-98, code 91 + 853):-**

This sub-sector includes the services of association of writers, painters, lawyers, doctors, journalists and other similar organizations, activities of trade unions, activities of religious organizations, social work with accommodation etc. The GVA estimates at current prices for these services have been worked out separately for rural and urban area by multiplying the GVA per worker with the number of workers engaged in this activity. The GVA per worker estimates for the base year 2004-2005 have been obtained from NSS, 63<sup>rd</sup> round (2006-07) suitably adjusted for 2004-2005 and workforce has been obtained from the results of NSS, 61<sup>st</sup> Round 2004-05 and population census 2001. For subsequent years, the work force has been projected using annual compound growth rate observed between 1999-2000 and 2004-2005 workforce and GVA per worker has been projected using CPI (AL) for rural area and CPI (IW) for urban area.

#### **14.8 Recreational, cultural and supporting activities (NIC-98, code 92):-**

In the new series, the estimates of GVA have been prepared separately for public and private sectors. The estimates of GVA for the public sector are compiled from the annual reports of PRASHAR BHARATI. The GVA for private corporate sector and unorganized sector for the year 2004-05 have been estimated using workforce estimates from NSSO, 61<sup>st</sup> round (2004-05) and VAPW estimated from the results of NSS 63<sup>rd</sup> round (2006-07) survey on services sectors. For subsequent years, the workforce has been projected using annual compound growth rate observed between 1999-2000 and 2004-05 workforce. The GVA per worker of base year is moved forward to subsequent years using CPI (AL) and CPI (IW) for rural and urban area respectively.

#### **14.9 Washing and Cleaning of textile and fur products (NIC-98, code-9301), 14.10 Hair dressing and other beauty treatment (NIC-98, code-9302) and 14.11 Funeral and related activities (NIC-98, code-9303+9309):-**

The GVA estimates for all the above activities have been worked out by adopting the same methodology as in case of coaching and tuition activities.

#### **14.12 Private households with employed person (NIC-98, code-95):-**

The data on private households with employed persons has not been collected in the NSS

63<sup>rd</sup> round survey on services sector, as it is not feasible to identify such households as enterprises. The value added generated by this activity relates to wages paid to employed persons by the households. Therefore, the VAPW for this activity in the new series for 2004-2005 has been estimated on the basis of wage data collected in NSS, 61<sup>st</sup> round, 2004-05. The total weekly earnings of the workers falling under this category have been divided by the number of workers to arrive at weekly wages. The GVA estimates in respect of these services have been compiled using average weekly wage per unit of labour input (adjusted for annual wages), separately for rural and urban area and workforce obtained from results of NSS, 61<sup>st</sup> Round, 2004-05 and population census 2001. For subsequent years, the work force has been projected using annual compound growth rate observed between 1999-2000 and 2004-2005 workforce and GVA per worker has been projected using CPI (AL) for rural area and CPI (IW) for urban area.

#### **14.13 Custom tailoring (NIC-98, code-18105):-**

The GVA estimates for the base year 2004-2005 have been prepared using NSS, 56<sup>th</sup> round 2000-01 (unorganized manufacturing) extrapolated data on VAPW and results of NSS, 61<sup>st</sup> round, EUS 2004-05 and population census 2001 for workforce, separately for rural and urban area. For subsequent years, the work force has been projected using annual compound growth rate observed between 1999-2000 and 2004-2005 workforce and GVA per worker has been projected using CPI (AL) for rural area and CPI (IW) for urban area.

#### **14.14 Extra-territorial organizations and bodies (NIC-98, code-99):-**

The activities covered under this category are extra territorial organizations and bodies including the activities of international organizations such as United Nations and its agencies etc. GVA estimates for these activities are being provided by the CSO.

### **Estimates at Constant Prices**

**14.15** The base year estimates of gross/net value added have been moved by relevant physical indicators to arrive at the annual estimates at constant prices for subsequent years. In case of public sector, the current price estimates have been deflated with CPI(IW) to get the constant price estimates. For rest of the services, the growth rate of the workforce has been used to project the base year estimates to subsequent years separately for rural and urban area.

**14.16** The estimates of Gross Product are adjusted for FISIM. The estimates of CFC as supplied by the CSO have been used.

The detailed estimates of SDP from Other Services sector for the years 2004-2005 to 2010-11 both at current and constant prices have been given in Tables 48 and 49.

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**TABLE - 48**  
**STATE DOMESTIC PRODUCT FROM OTHER SERVICES**  
**(at current prices)**

		(Rs. Lakh)						
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
1	2	3	4	5	6	7	8	9
1	Coaching and tuition (NIC-98 codes 80903 and 80904)	7767	8993	10570	12527	15341	19404	23719
2	Education excluding coaching and tuition (NIC-98 codes 80 (-) 80903 (-) 80904)	250609	301822	345428	386390	521596	737337	874913
3	Human health activities including veterinary activities (NIC-98, code 851+852)	77351	82782	99549	111621	144208	253835	200790
4	Sewage and refuse disposal, sanitation activities (NIC-98 code 90)	11807	8848	10662	13318	20378	27453	35385
5	Activities of membership organizations(+) social work (NIC-98 code 91 + 853)	15830	20860	27914	37692	52480	75554	105395
6	Recreational cultural and supporting activities (NIC-98, code 92)	9184	12571	15529	20627	28673	41359	58356
7	Washing and cleaning of textile and fur products (NIC-98, code-9301)	7128	8876	11196	14140	18569	25068	32837
8	Hair dressing and other beauty treatment (NIC-98, code-9302)	13902	18343	24664	33650	47360	69115	97495
9	Funeral and related activities (NIC-98, code-9303-9309)	88291	99308	113397	130737	155556	191335	227226
10	Private households with employed person (NIC-98, code-95)	3870	4420	5121	5988	7209	8975	10827
11	Custom tailoring (NIC-98, code-18105)	15910	19230	23709	29517	38214	51131	66479
12	Extra-territorial organizations and bodies (NIC-98, code-99)	1433	1566	1756	1956	2240	2638	3053
13	<b>Gross State Domestic Product unadjusted for FISIM</b>	<b>513082</b>	<b>587619</b>	<b>689495</b>	<b>798043</b>	<b>1051824</b>	<b>1503205</b>	<b>1736475</b>
14	Less: FISIM	6771	8075	10012	11767	15405	18917	26937
15	<b>Gross State Domestic Product</b>	<b>506311</b>	<b>579544</b>	<b>679483</b>	<b>786276</b>	<b>1036419</b>	<b>1484288</b>	<b>1709538</b>
16	Less: consumption of fixed capital	20842	25865	32108	37997	44648	52689	58758
17	<b>Net State Domestic Product</b>	<b>485469</b>	<b>553679</b>	<b>647375</b>	<b>748279</b>	<b>991771</b>	<b>1431619</b>	<b>1650780</b>

**TABLE - 49**  
**STATE DOMESTIC PRODUCT FROM OTHER SERVICES**  
**(at constant prices)**

Sr.No.	Item	(Rs. Lakh)							
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
1	2	3	4	5	6	7	8	9	
1	Coaching and tuition (NIC-98 codes 80903 and 80904)	7767	8582	9485	10485	11592	12820	14180	
2	Education excluding coaching and tuition (NIC-98 codes 80 (-) 80903 (-) 80904)	260609	287766	309865	325223	398907	493283	530286	
3	Human health activities including veterinary activities (NIC-98, code 851+852)	77351	78931	89301	93938	109897	169947	121435	
4	Sewage and refuse disposal, sanitation activities (NIC-98 code 90)	11807	8437	9565	11199	15496	18332	21405	
5	Activities of membership organizations(+) social work (NIC-98 code 91 + 853)	15830	19899	25045	31558	39809	50270	63542	
6	Recreational cultural and supporting activities (NIC-98, code 92)	9184	11987	13931	17346	21792	27601	35298	
7	Washing and cleaning of textile and fur products (NIC-98, code-9301)	7128	8461	10043	11921	14150	16796	19937	
8	Hair dressing and other beauty treatment (NIC-98, code-9302)	13902	17518	22138	28054	35647	45416	58009	
9	Funeral and related activities (NIC-98, code-9303-9309)	88291	94785	101765	109267	117330	125999	135317	
10	Private households with employed person (NIC-98, code-95)	3870	4216	4505	5012	5470	5974	6529	
11	Custom tailoring (NIC-98, code-18105)	15911	18346	21272	24787	29014	34083	40203	
12	Extra-territorial organizations and bodies (NIC-98, code-99)	1432	1492	1573	1652	1710	1776	1865	
<b>8</b>	<b>Gross State Domestic Product unadjusted for FISIM</b>	<b>513082</b>	<b>560420</b>	<b>618578</b>	<b>670442</b>	<b>798614</b>	<b>1002307</b>	<b>1048006</b>	
9	Less: FISIM	6771	8756	11277	13492	16786	19895	26129	
<b>10</b>	<b>Gross State Domestic Product</b>	<b>506311</b>	<b>551664</b>	<b>607301</b>	<b>656950</b>	<b>781828</b>	<b>982412</b>	<b>1021877</b>	
11	Less: consumption of fixed capital	20842	24965	29613	33630	37195	42124	44899	
<b>12</b>	<b>Net State Domestic Product</b>	<b>485469</b>	<b>526699</b>	<b>577688</b>	<b>623320</b>	<b>744633</b>	<b>940288</b>	<b>976978</b>	



**TABLE - 50**  
**Per Capita Income of Various States and All India**  
**(at current prices)**

		(Rs.)								
Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	
1	2	3	4	5	6	7	8	9	10	
1	Andhra Pradesh	25321	28539	33135	39727	46346	51114	60703	68970	
2	Arunachal Pradesh	26610	28054	30000	34352	39656	51042	61002	72091	
3	Assam	16782	18396	19737	21290	24099	28383	33348	37250	
4	Bihar	7914	8223	9967	11051	13728	15457	19205	22890	
5	Chhattisgarh	18559	20117	24800	29385	34360	34366	40166	46743	
6	Goa	76968	84720	94882	108708	135966	149164	164962	167838	
7	Gujarat	32021	37780	43395	50016	55068	64097	78802	89668	
8	Haryana	37972	42309	49261	56917	67405	82037	94798	108345	
9	Himachal Pradesh	33348	36949	40393	43966	49903	58402	67475	74694	
10	Jammu & Kashmir	21734	23240	25059	27448	30212	33650	40752	45380	
11	Jharkhand	18510	18326	19789	24789	25046	28223	34721	38258	
12	Karnataka	26882	31239	35981	42419	48064	51364	62251	68423	
13	Kerala	31871	36276	40419	45700	53046	60226	69465	80924	
14	Madhya Pradesh	15442	16631	19028	20935	25278	28712	32223	37994	
15	Maharashtra	36077	41965	49831	57760	62234	69765	83395	95339	
16	Manipur	18640	20395	21419	23093	24773	27095	29281	32865	
17	Meghalaya	24086	26284	30952	34229	40583	43142	48690	53542	
18	Mizoram	24662	26698	28764	32468	38582	42715	48591	54689	
19	Nagaland	30441	33792	36566	39985	46207	50263	53635	56461	
20	Orissa	17650	18846	22237	27735	31416	33029	38878	41896	
21	Punjab	33103	36199	41883	49380	55315	61805	69580	78633	
22	Rajasthan	18565	20275	24055	26882	31279	35254	44709	53735	
23	Sikkim	26690	30252	32199	36448	46983	90749	108972	124791	
24	Tamil Nadu	30062	35243	42288	47606	54137	64338	78473	88697	
25	Tripura	24394	26668	29081	31111	35587	39815	45087	50175	
26	Uttar Pradesh	12960	14221	16013	17785	20422	23671	26692	29785	
27	Uttarakhand	24726	29441	35111	42619	50657	62757	73815	81595	
28	West Bengal	22649	24720	27823	31567	35487	41039	47389	54125	
29	All India	24143	27131	31206	35825	40775	46249	54151	61564	

**TABLE - 51**  
**Per Capita Income of Various States and All India**  
**(at constant 2004-05 prices)**

Sr.No.	Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	25321	27486	30114	33239	35272	36303	39434	42119
2	Arunachal Pradesh	26610	26759	27554	30187	31971	33963	34368	36877
3	Assam	16782	17050	17579	18089	18922	20406	21793	22910
4	Bihar	7914	7748	8896	9231	10239	10645	12100	13226
5	Chhattisgarh	18559	18530	21580	22929	23926	24189	25788	26979
6	Goa	78968	80844	86257	87085	90409	95320	104445	112602
7	Gujarat	32021	36102	38568	42498	43685	49168	53789	57508
8	Haryana	37972	40627	44423	47046	49780	55044	58376	62078
9	Himachal Pradesh	33348	35806	38195	40143	41666	43492	46821	48923
10	Jammu & Kashmir	21734	22406	23375	24470	25641	26519	27667	28990
11	Jharkhand	18510	17406	17427	20996	19867	21534	24330	25634
12	Karnataka	26882	29295	31967	35574	37687	37294	40899	41959
13	Kerala	31871	34837	37284	40288	42433	45921	49391	53877
14	Madhya Pradesh	15442	15927	17073	17572	19462	21029	22091	24395
15	Maharashtra	36077	40671	45582	50138	50183	54246	59038	62457
16	Manipur	18640	19479	19431	20106	21189	22197	22867	23953
17	Meghalaya	24086	25642	27242	27764	30963	32569	35191	36937
18	Mizoram	24962	25826	26308	28467	31921	34699	36732	39546
19	Nagaland	30441	33072	35074	37317	39041	40590	42511	43267
20	Orissa	17650	18194	20194	21640	22963	22846	23875	24134
21	Punjab	33103	34096	37087	39567	41003	42831	44769	46364
22	Rajasthan	18565	19445	21342	21922	23356	24304	27625	28851
23	Sikkim	26690	29008	30293	31722	35394	60774	66136	70477
24	Tamil Nadu	30062	34126	39166	41314	43193	47394	53507	57131
25	Tripura	24394	25688	27558	29022	31711	34544	36826	39542
26	Uttar Pradesh	12950	13445	14241	14875	15713	16390	17388	18217
27	Uttarakhand	24726	27781	30644	35444	38821	44556	48525	50303
28	West Bengal	22649	23808	25400	27094	27914	29799	31415	33117
29	All India	24143	26015	28067	30332	31754	33901	36342	38037

## ABBREVIATIONS USED IN THE PUBLICATION

AIDIS	All India Debt and Investment Survey
ASI	Annual Survey of Industries
CSO	Central Statistics Office
CFC	Consumption of Fixed Capital
CPI (AL)	Consumer Price Index of Agricultural Labourers
CPI (IW)	Consumer Price Index of Industrial Workers
CWC	Central Warehousing Corporation
DME	Directory Manufacturing Enterprises
DCU	Departmental Commercial Undertaking
DLR	Directorate of Land Records
DGE&T	Director General, Employment and Training
DSO	District Statistical Officer
EUS	Employment & Unemployment Survey
FISIM	Financial Intermediation Services Indirectly Measured
GDP	Gross Domestic Product
GSDP	Gross State Domestic Product
GVA	Gross Value Added
GVO	Gross Value of Output
IBM	Indian Bureau of Mines
IASRI	Indian Agricultural Statistics Research Institute
KVIC	Khadi and Village Industries Commission
LPG	Liquefied Petroleum Gas
MT	Metric Tonnes
MSME	Micro, Small and Medium Enterprises
NASSCOM	National Association of Software and Service Companies
NDP	Net Domestic Product
NSDP	Net State Domestic Product
NVA	Net Value Added
NSSO	National Sample Survey Organisation
NSS	National Sample Survey

## ABBREVIATIONS USED IN THE PUBLICATION

NDCU	Non Departmental Commercial Undertaking
NAD	National Accounts Division
NEC	Not Elsewhere Classified
NIC	National Industrial Classification
OAE	Own Account Enterprise
RBI	Reserve Bank of India
SDP	State Domestic Product
SNA	System of National Accounts
SSB	State Statistical Bureau
UNME	Urban Non-Manual Employees
VAPW	Value Added Per Worker
WPI	Wholesale Price Index
..	Not Available
-	Nil or Negligible

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