



GOVERNMENT OF HARYANA

हरियाणा सरकार

ESTIMATES
of
STATE DOMESTIC PRODUCT
of
HARYANA
2011-12 to 2022-23
(Base Year 2011-12)

Prepared by:

DEPARTMENT OF ECONOMIC AND STATISTICAL AFFAIRS, HARYANA

2023



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PREFACE

The estimates of State Domestic Product (SDP) also referred to as State Income estimates, which play a crucial role as reliable indicators for assessing overall growth and the level of development in various socio-economic sectors within a State. These estimates serve as a solid foundation for formulating development programmes and implementing effective economic policies.

At the National level, the estimates of Gross Domestic Product (GDP) or National Income are regularly prepared and published by the National Statistical Office (NSO), New Delhi. Similarly, at the State level, State Income estimates are diligently prepared and released by the Department of Economic and Statistical Affairs, Haryana. The initial series of estimates of State Income of Haryana for 1960-61 and 1965-66 to 1968-69 using 1960-61 as base year were introduced by this department in 1971. Since then, the annual estimates have been consistently prepared and released on a regular basis.

The National Statistical Office (NSO), New Delhi introduced the new series of national accounts with base year 2011-12 in place of the previous series with base year 2004-05 in order to incorporate the latest data available from long term surveys and censuses, new economic activities, expansion of coverage of activities, improvements in procedures and to the extent possible, the latest international recommendations adopted in compilation of national accounts. Following the pattern set by NSO, the Department of Economic and Statistical Affairs has also transitioned from a base year of 2004-05 to 2011-12. The current publication marks the 6th brochure in the series, utilizing the base year 2011-12 and presenting the SDP estimates for Haryana from the year 2011-12 to 2022-23.

This brochure has been meticulously prepared by Sh. Sudhir Kumar and Sh. Arun Kumar, Research Officers with the support of Sh. Ankush Kumar, Sh. Ravi Kumar, Assistant Research Officers, Ms. Rubin Verma, Statistical Assistant, Dr. Amita Rani, Young Professional and Sh. Anil, Jr. Scale Stenographer under overall supervision of Ms. Lucky Arora, Deputy Director of this department. I express my gratitude to the entire team for their diligent efforts.

I would also like to take this opportunity to extend my appreciation to the Heads of Departments/Organizations and the District Statistical Officers for their cooperation in furnishing the necessary data required for these estimates. Furthermore, I would like to acknowledge the invaluable guidance provided by the National Statistical Office, which greatly contributed to this endeavor.

Dr. Rajvir Bhardwaj
Director
Department of Economic and
Statistical Affairs, Haryana

Panchkula,
Dated: 13th July, 2023.

EXECUTIVE SUMMARY

The estimation of State Domestic Product (SDP) serves as a vital economic indicator for assessing the level of economic development within a State. SDP represents the total value, measured in monetary terms, of all goods and services produced within the geographical boundaries of the State, without accounting for duplication, during a specific period.

The Department of Economic and Statistical Affairs, Haryana regularly compiles the SDP estimates for the State, following the technical guidance provided by the NSO, New Delhi. The initial series of State Income estimates for Haryana was released by this department in 1971, covering the years 1960-61 and 1965-66 to 1968-69 with 1960-61 serving as the base year. Subsequently, the series of SDP estimates for the State were revised using base years of 1970-71, 1980-81, 1993-94, 1999-2000 & 2004-05 aligning with the base year revisions made by the NSO at the National level.

The NSO lastly revised the base year from 2004-05 to 2011-12 and introduced the new series of national accounts based on the revised year on Jan. 30, 2015. This revision aimed to incorporate the latest development, align with international practices, and enhance the accuracy of economic measurements.

In line with the revisions made at the National level, the Department of Economic and Statistical Affairs, Haryana also updated the base year of State GDP estimates from 2004-05 to 2011-12. The first release of the revised series estimates took place on March 1, 2016. Since then, the revised series estimates have been consistently published on an annual basis.

The estimates for the years 2011-12 to 2016-17 with a base year of 2011-12, which were released on Feb. 26, 2018, in a brochure, represented the first publication of the 2011-12 base series. The brochure presenting the estimates for 2011-12 to 2017-18 released on 18th February, 2019 was the second publication for the current series. The brochure including the estimates of Haryana State for 2016-17 and 2017-18 (Revised), 2018-19 (Provisional), 2019-20 (Quick) and 2020-21 (Advance) released on 19th February, 2021 is the 4th publication for the current series. The brochure including the estimates of Haryana for 2017-18 and 2018-19 (Revised), 2019-20 (Provisional), 2020-21 (Quick) and 2021-22 (Advance) released on 21st February, 2022 was the 5th publication for the series with base year 2011-12. This brochure marks the 6th publication and contains the estimates of the State for the years 2018-19 to 2019-20 (Revised), 2020-21 (Provisional), 2021-22 (Quick)

and 2022-23 (Advance) based on the reference year 2011-12. These estimates were released on 8th Feb., 2023.

The economy is typically categorized into three broad sectors: Primary, Secondary and Tertiary. The Primary sector consists of Agriculture, Forestry, Fishing, Mining and Quarrying sectors. The Secondary sector comprises Manufacturing, Electricity, Gas, Water Supply & Other Utility Services and Construction sectors. Lastly, the Tertiary sector includes Trade, Hotels & Restaurants, Transport, Storage & Communication, Financial Services, Real Estate, Ownership of Dwellings & Professional Services, Public Administration and Other Services sectors.

The measurement of State Domestic Product (SDP) can be accomplished using three approaches: Production, Income and Expenditure. The choice of approach depends on the availability of data and the specific context of the analysis.

Upon reviewing the estimates, it is observed that the Gross State Domestic Product (GSDP) of the State, at current prices, has increased from ₹ 2,97,538.52 crore in 2011-12 to ₹ 994154.08 crore in 2022-23 marking a growth of 234.13 percent. At constant (2011-12) prices, the GSDP has grown from ₹ 2,97,538.52 crore in 2011-12 to ₹ 6,08,420.26 crore in 2022-23, reflecting a growth rate of 104.48 percent. The average annual growth rate of the GSDP during the period 2012-13 to 2022-23 is estimated at 11.7 percent at current prices and 6.8 percent at constant prices. Analysis reveals that the Primary Sector of State's economy has witnessed an average annual growth rate of 3.5 percent, while the Secondary and Tertiary sectors have grown at average annual growth rates of 6.8 percent and 7.4 percent respectively, in real terms from 2012-13 to 2022-23. This indicates that the Secondary and Tertiary sectors have experienced faster growth as compared to the Primary sector.

In terms of per capita income, the State has seen an increase from ₹ 1,06,085 in 2011-12 to ₹ 2,96,685 in 2022-23 at current prices, indicating a growth of 179.7 percent. At constant prices, per capita income has risen from ₹ 1,06,085 in 2011-12 to ₹ 1,81,961 in 2022-23 reflecting a growth of 71.5 percent. Comparatively, the per capita income of the Indian Union has increased by ₹ 171.46 percent and 55.01 percent at current and constant prices, respectively during the period 2011-12 to 2022-23. This indicates that the State's economic development has outpaced that of India.

The sectoral composition highlights the shift in the State economy from Agriculture to the Services sector, indicating a healthy economy. The share of Primary sector in the

Gross State Value Added (GSVA) has declined from 23.6 percent in 2011-12 to 17.9 percent in 2021-22 at constant prices. The share of Secondary sector has slightly increased from 31.6 percent in 2011-12 to 33.2 percent in 2021-22, while the contribution of the Tertiary sector has risen from 44.9 percent in 2011-12 to 48.9 percent in 2021-22. These changes in the sectoral composition of GSVA over the years reflect the overall progress of the developing economy. It signifies that the State economy is advancing towards a stable and mature State.

In 2022-23, the share of the Primary sector decreased to 17.6 percent as compared to previous year, while the share of the Secondary sector reduced to 33.0 percent from its share of 33.2 percent recorded in the previous year. On the other hand, the share of the Tertiary Sector slightly increased to 49.4 percent in 2022-23 from 48.9 percent recorded in 2021-22. These changes indicate a shift in the State economy from the Primary sector to the Services sector, which signifies that the economic development of the State is progressing in the right direction.

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INTRODUCTION

1.1 The estimates of State Domestic Product (SDP) play a crucial role in assessing the economic growth of a State. These estimates provide a comprehensive understanding of the outcomes resulting from various government policies and interventions. The SDP serves as an indicator of the State's economic development and its derivative "Per Capita Income" serves as a suitable measure of the well being of its residents. Furthermore, the PCI is widely utilized in India by policymakers to allocate plan resources and distribute proceeds from union excise duties and additional excise duties among different States, making it an important tool for addressing regional disparities.

State Domestic Product

1.2 The SDP is a monetary measure that represents the total value of all goods and services produced within the State's boundaries during a specific time period without duplication. The goods encompass a wide range of items such as agricultural crops, livestock and their products, fish, forest products, minerals, manufacturing of consumer goods, machinery, transport equipments, defence equipments, construction projects like buildings, roads, dams, bridges etc. Services cover various activities including transportation, medical, educational, sanitary services, trade, real estate, Government services and more. The measures obviously are to be made in value terms as the different units of production and different measures of services are not directly additive. All goods and services produced during the period whether sold for money, bartered or used for personal consumption are included in the estimation. Another important feature of SDP is that it represents the unduplicated value of output. This means only the value added at each stage of processing is considered when calculating the total value of output.

1.3 The SDP estimates are prepared for all the sectors of economy, both on Gross and Net basis. The difference between the two is that in the gross estimates, no deduction is made for Consumption of Fixed Capital (CFC) whereas in the net estimates, CFC is deducted from the figures of Gross Value Added (GVA). The CFC is defined as that part of gross product which is required to replace the fixed capital assets i.e. plants, machinery and equipments employed in the process of production during the period of account. The CFC is also known as depreciation. This flow is based on the expected economic life of individual assets accounting for obsolescence, normal wear and tear and accidental damage that cannot be repaired. 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 compiled and supplied by the National Statistical Office (NSO), New Delhi.

SDP at Current and Constant Prices

1.4 At the National level, the estimates of Gross Domestic Product (GDP) or National Income are regularly compiled and published by the NSO, New Delhi. The estimates of SDP or State Income of Haryana State are compiled by the Department of Economic and Statistical Affairs, Haryana at both current and constant prices as per the technical guidance provided by the NSO. The SDP estimates at current prices are obtained by evaluating the product at prices prevailing during the accounting year. The SDP estimates at current prices, over the time do not reveal the actual economic growth because these contain the combined effect of (i) changes in volume of goods and services and (ii) the changes in the prices of goods and services. In order to eliminate the effect of price changes or inflation, the estimates of SDP are also prepared by evaluating the goods and services at the prices prevailing during the certain fixed year known as base year. The estimates, thus, obtained are known as SDP at constant prices.

Revision of Base Year

1.5 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. Thereafter, the series of SDP estimates of the State were revised with base years 1970-71, 1980-81, 1993-94, 1999-2000 and 2004-05 in conformity with the base year revisions made by the NSO, New Delhi at National level. The NSO lastly revised the base year from 2004-05 to 2011-12 and released the national accounts with base 2011-12 on 30th January, 2015. Accordingly, the Department of Economic and Statistical Affairs, Haryana also revised the base year of State GDP estimates from 2004-05 to 2011-12 and released the estimates of the State with base 2011-12 on 1st March, 2016. The brochure presenting the estimates of Haryana State for the years 2011-12 to 2016-17 released on 26th February, 2018 was the first publication for the series with base year 2011-12. The current brochure is the sixth publication for the series with the base year 2011-12. It includes the Haryana estimates released on 8th Feb., 2023, covering the periods of 2018-19 to 2019-20 (Revised), 2020-21 (Provisional), 2021-22 (Quick) and 2022-23 (Advance).

This exercise of base year revision has been carried out strictly as per the technical guidance provided by the NSO. The base year revisions differ from annual revisions in GDP estimates primarily because of nature of changes. In annual revisions, changes are made only on the basis of updated data becoming available without making any changes in

the conceptual framework or using any new data source, to ensure strict comparison over years. In case of base year revisions, apart from a shift in the reference year for measuring the real growth, conceptual changes, as recommended by the International guidelines, are incorporated. Further, statistical changes like revisions in the methodology of compilation, adoption of latest classification systems and inclusion of new and recent data resources are also made. The changes are also made in the presentation of estimates to improve ease of understanding for analysis and to facilitate international comparability. The three major components influencing the present revision exercise include (i) revision to the base year to a more recent year (for meaningful analysis of structural changes in the economy in real terms), (ii) complete review of the existing data base and methodology employed in the estimation of various macro-economic aggregates including choice of the alternative data bases on individual subjects and (iii) to the extent feasible, implementing the international guidelines on the compilation of national accounts as per the System of National Accounts (SNA), 2008 prepared under the auspices of the Inter Secretariat Working Group on National Accounts comprising the European Communities (EUROSTAT), International Monetary Fund (IMF), Organization for Economic Cooperation and Development (OECD), United Nations and the World Bank.

Choice of 2011-12 as the Base Year

1.6 The National Statistical Commission has recommended that all economic indices should be rebased at least once in every five years. The National Sample Survey (NSS), 61st Round Quinquennial, Employment and Unemployment Survey (EUS) conducted in the year 2004-05, on which the previous series of national accounts was based, was followed by a Quinquennial EUS in 2009-10. However, the year was not considered a normal year since it succeeded the global slowdown of 2008. Therefore, a fresh EUS was conducted in 2011-12. The results of this survey have been used for compilation of the estimates in the new series with base year 2011-12. The improvements in coverage, use of results of recent surveys, censuses and type studies, implementation of 2008 SNA and methodological changes in the new series have been given in the following paragraphs.

Improvements in coverage

1.7 Corporate Sector – In the 2004-05 series, the private corporate sector was being covered using the RBI Study on Company Finances, wherein estimates were compiled on the basis of financial results of around 2500 companies. In the current series, comprehensive coverage of corporate sector has been ensured in mining, manufacturing and services by incorporation of annual accounts of companies as filed with the Ministry of

Corporate Affairs (MCA) under their e-governance initiative, MCA21.

1.8 Financial Corporations – The financial corporations in the private sector, other than banking and insurance, in the earlier series were limited to a few mutual funds and estimates for the Non-Government Non-Banking Finance Companies as compiled by RBI were taken. In this series with base year 2011-12, the coverage of financial sector has been expanded by including stock brokers, stock exchanges, asset management companies, mutual funds and pension funds, as well as the regulatory bodies like SEBI, PFRDA and IRDA.

1.9 Local Bodies and Autonomous Institutions – Earlier, the estimates for local bodies and autonomous institutions were prepared on the basis of information received for seven autonomous institutions and local bodies of four States namely Delhi, Himachal Pradesh, Meghalaya and Uttar Pradesh. In this series, there has been an improved coverage of local bodies and autonomous institutions, covering around 60 percent of the grants/transfers provided to these institutions.

Use of results of recent surveys, censuses and type studies

1.10 In this series with base year 2011-12, efforts have been made to make use of as much current data as possible. Further, the results of latest available surveys have also been made use of. Some of the important sources of data, which have been used in the new series, are as follows:-

- a. NSS 68th round (2011-12): Survey on Employment and Unemployment and Consumer Expenditure;
- b. NSS 67th round (2010-11): Survey on Un-incorporated Non-agricultural Enterprises (Excluding Construction);
- c. All India Livestock Census, 2012;
- d. NSS 70th round (2013): All India Debt and Investment Survey (AIDIS) and Situation Assessment Survey;
- e. House-listing and Housing Census, 2010 and Population Census, 2011;
- f. Study on Yield Rates of Meat Products and By-products of Different Livestock Species Conducted by National Research Centre on Meat (NRCM), Hyderabad;
- g. Study on the Inputs in the Construction sector by Central Building Research Institute (CBRI), Roorkee; and
- h. Study on 'Harvest and Post harvest Losses of Major Crops and Livestock Products in India' conducted by Central Institute of Post-Harvest Engineering and Technology (CIPHET), Ludhiana.

Implementation of 2008 SNA

1.11 While revising the base year, the efforts have also been made to implement the recommendations of SNA 2008 to the extent data are available. Some of the important recommendations which presently form part of the new series are:-

- (i) The estimates of the institutional sectors – Non-financial and Financial Corporations, General Government and households are shown separately, in view of their ‘intrinsic differences in their economic objectives, functions and behaviour’.
- (ii) The unincorporated enterprises belonging to households, which have complete sets of accounts, tend to behave in the same way as corporations. Therefore, as recommended by SNA 2008, such enterprises have been treated as quasi-corporations. Some examples of quasi-corporations in the Indian context are proprietorship and partnership enterprises, maintaining accounts.
- (iii) The head office has been allocated to the non-financial corporation’s sector unless all or most of its subsidiaries are financial corporations, in which case it is treated as a financial auxiliary in the financial corporation’s sector. In the 2004-05 series, the recommendation had been adopted for service sector wherein estimates of GVA were compiled from enterprises in this sector. In the current series, this approach has been adopted for the mining and organised manufacturing sectors also.
- (iv) The sub-sectoring of Non-Profit Institutions (NPIs) in the corporate and government sectors has been done in respect of autonomous bodies and Section 25 companies.
- (v) The expenditure on Research and Development (R&D) has been capitalised in Government, Public Corporations and Private Corporations and hence has become part of Capital Formation.
- (vi) Financial Intermediation Services Indirectly Measured (FISIM) has been calculated using a reference rate for units engaged in financial intermediation.
- (vii) The output of Central Bank (RBI) is measured at cost.
- (viii) The non-financial assets in the earlier series were classified as ‘construction’ and ‘machinery’. In this series, as recommended by SNA 2008, non-financial assets have been classified as ‘dwellings, other buildings and structures’, ‘machinery and equipment’, ‘cultivated biological resources’ and ‘intellectual property products’.
- (ix) The CFC has been measured at the average prices of the period with respect to a constant-quality price index of the asset concerned.
- (x) In this series, GVA, NVA and related aggregates are evaluated at basic prices whereas GDP is worked out at market prices instead of factor cost. As per the press note on new series of National Income dated 30th January, 2015 issued by the Ministry of Statistics and Programme Implementation, Government of India, it is to be noted that Gross Domestic Product (GDP) at factor cost will no longer be discussed in the press releases. As is the practice internationally, industry-wise estimates will be presented as GVA at basic prices, while ‘GDP at market prices’ will henceforth be referred to as GDP. The estimates of GVA at factor cost (earlier called GDP at factor cost) can be compiled by using the estimates of GVA at basic prices and production taxes less subsidies. Like-wise, estimates of SDP of the State have also been presented as GVA or GSVA (Gross State Value Added) at basic prices and GDP or GSDP (Gross State Domestic Product) in this report in conformity with the procedure followed at the National level.

Methodological changes in compilation

1.12 The following methodological changes have been made in this series with base year 2011-12:-

- (i) The activities, 'Recycling of metal waste and scrap + non-metal waste and scrap', which was earlier part of manufacturing and 'Sewerage and other waste management services' have been clubbed to form the category 'Remediation and other utility services', and will be reflected in the group 'Electricity, gas, water supply and other utility services'.
- (ii) 'Repair of computers', which was earlier part of computer related activities, will be a part of 'Repair of personal and household goods' and reflected in 'Trade & repair services'.
- (iii) 'Recording, publishing and broadcasting services' have been formed a new category and reflected in the group 'Communication & services related to broadcasting'.
- (iv) Sewage activities have been removed from services sector and made a part of 'Electricity, gas, water supply and other utility services'.
- (v) In this series, a new method called "Effective Labour Input Method (ELI Method)" has been adopted for the following enterprises:-
 - a) All un-incorporated manufacturing enterprises, except those covered under the Annual Survey of Industries (ASI).
 - b) Un-incorporated service enterprises, except those of 'Trade & repair services' 'Hotels and restaurants', 'Non-mechanized road transport' and 'Telecommunication'.
- (vi) In the earlier series, FISIM which gives an estimate of the 'net interest margin' of the financial corporations was based on the difference between total property receipts (dividend + interest + net profit on sale of investments) and total interest payments by the financial corporations. In this series, as recommended in the SNA 2008, the estimates of FISIM have been compiled, using the Reference Rate (RR) approach.
- (vii) The estimate of 'extraction of sand' as part of minor minerals in the earlier series was found to be negligible as compared to its apparent use in construction. Therefore, in this series with base year 2011-12, an indirect estimate of the value of output of 'extraction of sand' at basic prices has been derived through the value of commodities used for construction.
- (viii) In the earlier series, CPI (AL/RL/IW) was being used as an indicator for the movement in retail prices. In this series, these indices have been replaced by the broader based CPI (Rural/Urban/Combined) which have since become available.
- (ix) In the earlier series, the GVA of crop and livestock activities was being compiled together but in this series, these two activities have been segregated for estimation of GVA.

In addition to the above methodological changes given at points No. (i) to (ix), the other industry- wise changes including addition or deletion of the activity if any have been explained in the industry- specific chapters.

Division of State Economy by Industry of Origin

1.13 For the purpose of estimation of SDP, the whole economy of the State has been divided into 11 sectors and 21 sub-sectors in conformity with the procedure followed at the National level to estimate the National Income estimates. The twenty one sub-sectors have been further categorized into three broad sectors as follows:-

Primary Sector	
1	Agriculture, Forestry and Fishing
1.1	Crops
1.2	Livestock
1.3	Forestry and Logging
1.4	Fishing
2	Mining and Quarrying
Secondary Sector	
3	Manufacturing
4	Electricity, Gas, Water Supply & Other Utility Services
5	Construction
Tertiary Sector	
6	Trade, Repair, Hotels & Restaurants
6.1	Trade & Repair Services
6.2	Hotels & Restaurants
7	Transport, Storage, Communication and Services Related to Broadcasting
7.1	Railways
7.2	Road Transport
7.3	Water Transport
7.4	Air Transport
7.5	Services Incidental to Transport
7.6	Storage
7.7	Communication & Services Related to Broadcasting
8	Financial Services
9	Real Estate, Ownership of Dwellings & Professional Services
10	Public Administration and Defense
11	Other Services.

This procedure of classification is followed by each State and Union Territory of the country to make the estimates comparable.

Approaches adopted in estimation of SDP

1.14 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.

1.15 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 Crops, Livestock, Forestry & Logging, Fishing, Mining & Quarrying, Electricity, Railway, Storage, Financial Services and Public Administration sectors. This approach is also followed in case of organized component of Manufacturing, Gas, Water Supply, Other Utility Services, Trade, Repairs, Hotels & Restaurants, Transport other than Railway, Communication, Real Estate, Ownership of Dwellings & Professional Services and Other Services sectors and only public part of construction sector.

(ii) **Income approach** is followed in respect of un-organised component of Manufacturing, Gas, Water Supply, Other Utility Services, Transport other than Railway, Communication, Real Estate, Ownership of Dwellings & Professional Services, Trade, Repairs, Hotels & Restaurants and Other Services sectors.

(iii) **Expenditure approach** is followed in respect of private part of Construction sector only.

Supra-regional sectors

1.16 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 NSO and supplied to the SSBs so that the SSBs may suitably incorporate the same in their State Income estimates.

FISIM

1.17 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 GVA of the respective industries, its inclusion in the GVA of Financial Services industry amounts to duplication. To avoid this duplication, FISIM is allocated to the user industries as intermediate input and thereby the GVA of the industries is reduced. In the previous series, the FISIM component of the output of financial intermediaries was based on the difference between total property receipts (dividend + interest + net profit on sale of investments) and total interest payments by the banking sector. In the current series, FISIM has been computed only on loans and deposits, using the Reference Rate (RR) approach, as recommended in the SNA 2008. In short, it is $(LR-RR)*$ average stock of loans + $(RR-DR)*$ average stock of deposits. 'RR' is equal to harmonic mean of lending rate (LR) and deposit rate (DR) for the banking sector. Moreover, FISIM, under the present method, does not include interest receipts on investments and debt securities, interest paid on borrowings and debt securities and net profit on sale of investments (POSI). These components have been considered as property income, which come directly under the gross savings of the financial corporations. The exclusion of receipts like POSI from the FISIM computation has also reduced the GVA of the banking sector. While compiling the State GVA in the new series, FISIM of an industry is worked out by using the industry-specific ratio supplied by the NSO to the GVA of that industry.

OVERVIEW OF STATE ECONOMY

2.1 The detailed methodology adopted and sources of data used in compiling the estimates of GSVA by economic activity in the series with base year 2011-12 have been discussed in the subsequent chapters separately. The estimates of the State with base 2011-12 for 2018-19 to 2019-20 (Revised), 2020-21 (Provisional), 2021-22 (Quick) and 2022-23 (Advance) have been released on 8th February, 2023. In this Chapter, the economic growth of the State has been analyzed on the basis of SDP estimates for 2011-12 to 2022-23 in the subsequent paragraphs.

2.2 As per **Table 2.1** the GSDP of the State at current prices has witnessed substantial growth from ₹ 297538.52 crore in 2011-12 to ₹ 870664.53 crore in 2021-22 indicating a growth rate of 192.62 percent. The average annual growth during the period 2012-13 to 2021-22 has been estimated at 11.4 percent. Notably, the lowest growth rate (1.3%) was recorded in 2020-21 while the highest growth rate of (17.4%) was observed in 2021-22. During the years 2012-13 and 2013-14, the growth of GSDP stood at 16.6 percent and 15.1 percent, respectively. However, in 2014-15, the growth rate decreased to 9.5 percent due to slower growth in primary (1.2%) and secondary (6.8%) sectors. From 2015-16 to 2017-18, the annual growth fluctuated between 13.3 percent to 13.8 percent. In 2018-19 and 2019-20, the growth rates further slowed to 9.4 percent and 4.8 percent, respectively. The impact of the Covid-19 pandemic led to a low growth rate of 1.3 percent in 2020-21.

Table 2.1 - GSDP of Haryana at current and constant (2011-12) prices

Year	At Current Prices		At Constant (2011-12) Prices	
	GSDP (₹ Crore)	Growth Rate (%)	GSDP (₹ Crore)	Growth Rate (%)
2011-12	297539	-	297539	-
2012-13	347032	16.6	320912	7.9
2013-14	399268	15.1	347507	8.3
2014-15	437145	9.5	370535	6.6
2015-16	495504	13.4	413405	11.6
2016-17	561424	13.3	456709	10.5
2017-18	638832	13.8	482036	5.5
2018-19	698940	9.4	532996	10.6
2019-20	732195	4.8	544275	2.1
2020-21	741850	1.3	510306	-6.2
2021-22	870665	17.4	568086	11.3
2022-23	994154	14.2	608420	7.1

2.3 Looking ahead, it is projected that the State's GDP at current prices will likely to be estimated at ₹ 870664.53 crore and ₹ 994154.08 crore in 2021-22 and 2022-23, respectively reflecting an improvement of 17.4 percent and 14.2 percent. These estimates indicate that the State economy has recuperated itself in a V-shaped manner after experiencing an adverse impact.

2.4 The GSDP at constant (2011-12) prices for the State has shown significant growth, increased from ₹ 297538.52 crore in 2011-12 to ₹ 568086.06 crore in 2021-22 indicating a growth rate of 90.9 percent (**Table 2.1**). The average annual growth rate for the period 2012-13 to 2021-22 has been estimated at 6.8 percent. The growth of GSDP during 2012-13 and 2013-14 was recorded as 7.9 percent and 8.3 percent respectively. However, it decreased to 6.6 percent in 2014-15. The GSDP experienced a revival with the growth rate of 11.6 percent in 2015-16 and 10.5 percent in 2016-17. Subsequently, the growth rate recorded as 5.5 percent, 10.6 percent and 2.1 percent in 2017-18, 2018-19 and 2019-20, respectively. The year 2020-21 posed a significant challenge due to the impact of the Covid-19 pandemic. The performance of the State economy was adversely affected leading to a negative growth rate of 6.2 percent of the GSDP.

2.5 The GSDP of the State at constant (2011-12) prices reached as ₹ 568086.06 crore in 2021-22, demonstrating a positive growth rate of 11.3 percent compared to the negative growth of 6.2 percent witnessed in 2020-21. Further, in 2022-23, the GSDP is likely to be estimated as ₹ 608420.26 crore reflecting a growth rate of 7.1 percent.

2.6 It is obvious from **Table 2.2** that the contribution of State GDP in National GDP at constant prices was recorded as 3.41 percent in 2011-12. This contribution showed consistent improvement from 2011-12 to 2021-22, reaching 3.81 percent in 2021-22. Furthermore, in 2022-23, it is estimated that the contribution will be 3.80 percent to National GDP.

Table 2.2- Contribution of State GDP in National GDP at constant (2011-12) prices.

Year	GDP (₹ Crore)		Contribution (%)
	Haryana	All India	
2011-12	297539	8736329	3.41
2012-13	320912	9213017	3.48
2013-14	347507	9801370	3.55
2014-15	370535	10527674	3.52
2015-16	413405	11369495	3.64
2016-17	456709	12308193	3.71
2017-18	482036	13144583	3.67
2018-19	532996	13992916	3.81
2019-20	544275	14534641	3.74
2020-21	510306	13687118	3.73
2021-22	568086	14925840	3.81
2022-23	608420	16006425	3.80

2.7 The per capita income is one of the important indicators to measure the living standard of the people. The per capita income of the State at both current and constant prices along with the percentage change over the previous year are shown in **Table 2.3**. The table clearly shows that the per capita income of the State 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 of the State at current prices increased from ₹ 106085 in 2011-12 to ₹ 264835 in 2021-22 indicating a significant growth of 149.6 percent whereas the per capita income at constant prices increased from ₹ 106085 in 2011-12 to ₹ 172657 in 2021-22 with the increase of 62.8 percent only. During the period 2012-13 to 2021-22 the per capita income of the State witnessed the average annual growth of 9.7 percent and 5.1 percent at current and constant prices, respectively.

Table 2.3 - Per Capita Income of Haryana at current and constant (2011-12) prices

Year	At Current Prices		At Constant Prices	
	Per Capita Income (₹)	Growth Rate (%)	Per Capita Income (₹)	Growth Rate (%)
2011-12	106085	-	106085	-
2012-13	121269	14.3	111780	5.4
2013-14	137770	13.6	119791	7.2
2014-15	147382	7.0	125032	4.4
2015-16	164963	11.9	137833	10.2
2016-17	184982	12.1	150259	9.0
2017-18	208437	12.7	156200	4.0
2018-19	223022	7.0	169604	8.6
2019-20	230563	3.4	170616	0.6
2020-21	229065	-0.6	155756	-8.7
2021-22	264835	15.6	172657	10.9
2022-23	296685	12.0	181961	5.4

2.8 It is obvious from **Table 2.4** that the per capita income of the State at both current and constant prices remained higher than that of India throughout the period 2011-12 to 2021-22. During this period, the per capita income of the State at current prices increased by 149.6 percent whereas that of India increased by 134.0 percent. Similarly, at constant prices the per capita of the State increased by 62.8 percent whereas that of India increased by 45.9 percent. It shows that the pace of economic development of the State remained faster than that of India during this period.

2.9 In 2022-23, the per capita income of the State at current and constant prices is likely to be estimated as ₹ 296685 and ₹ 181961 reflecting an increase of 12.0 percent and 5.4

percent, respectively. The per capita income of India increased by 16.0 percent and 6.3 percent at both current and constant prices as compared to the increase of 12.0 percent and 5.4 percent, respectively recorded by the State.

Table 2.4 – Per Capita Income of Haryana vis-à-vis All India

(₹)

Year	At Current Prices		At Constant (2011-12) Prices	
	Haryana	All India	Haryana	All India
2011-12	106085	63462	106085	63462
2012-13	121269	70983	111780	65538
2013-14	137770	79118	119791	68572
2014-15	147382	86647	125032	72805
2015-16	164963	94797	137833	77659
2016-17	184982	104880	150259	83003
2017-18	208437	115224	156200	87586
2018-19	223022	125946	169604	92133
2019-20	230563	132341	170616	94420
2020-21	229065	127065	155756	86054
2021-22	264835	148524	172657	92583
2022-23	296685	172276	181961	98374

2.10 The sector-wise growth rates of GSVA in real terms are given in **Table 2.5**. During the period 2012-13 to 2021-22, the primary sector has recorded the average annual growth rate of 3.4 percent whereas secondary and tertiary sectors have recorded the average annual growth rate of 6.9 percent and 7.3 percent, respectively. At National level, the primary sector has recorded the average annual growth rate of 3.4 percent whereas secondary and tertiary sectors have recorded the average annual growth rate of 5.5 percent and 6.4 percent, respectively. This indicates that secondary and tertiary sectors are growing at a much faster rate than primary sector.

2.11 The primary sector has recorded the annual growth rate of 5.3 percent in 2022-23 as compared to 1.5 percent in 2021-22. Similarly, secondary and tertiary sectors have recorded the growth of 6.3 percent and 8.4 percent, respectively in 2022-23 (**Table 2.5**).

Table 2.5 – Annual Growth Rates of GSVA by broad sectors at constant (2011-12) prices

Year	(Percent)			
	Primary	Secondary	Tertiary	Total
2012-13	-2.0	9.0	10.6	7.1
2013-14	3.1	7.2	10.1	7.6
2014-15	-2.1	4.6	10.4	6.0
2015-16	4.4	11.1	10.8	9.7
2016-17	8.6	12.6	8.6	9.9
2017-18	6.8	3.7	5.6	5.2
2018-19	8.3	13.4	8.5	10.0
2019-20	5.9	-2.7	4.6	2.4
2020-21	-0.8	-2.0	-9.0	-5.2
2021-22	1.5	11.9	12.4	10.1
2022-23	5.3	6.3	8.4	7.1

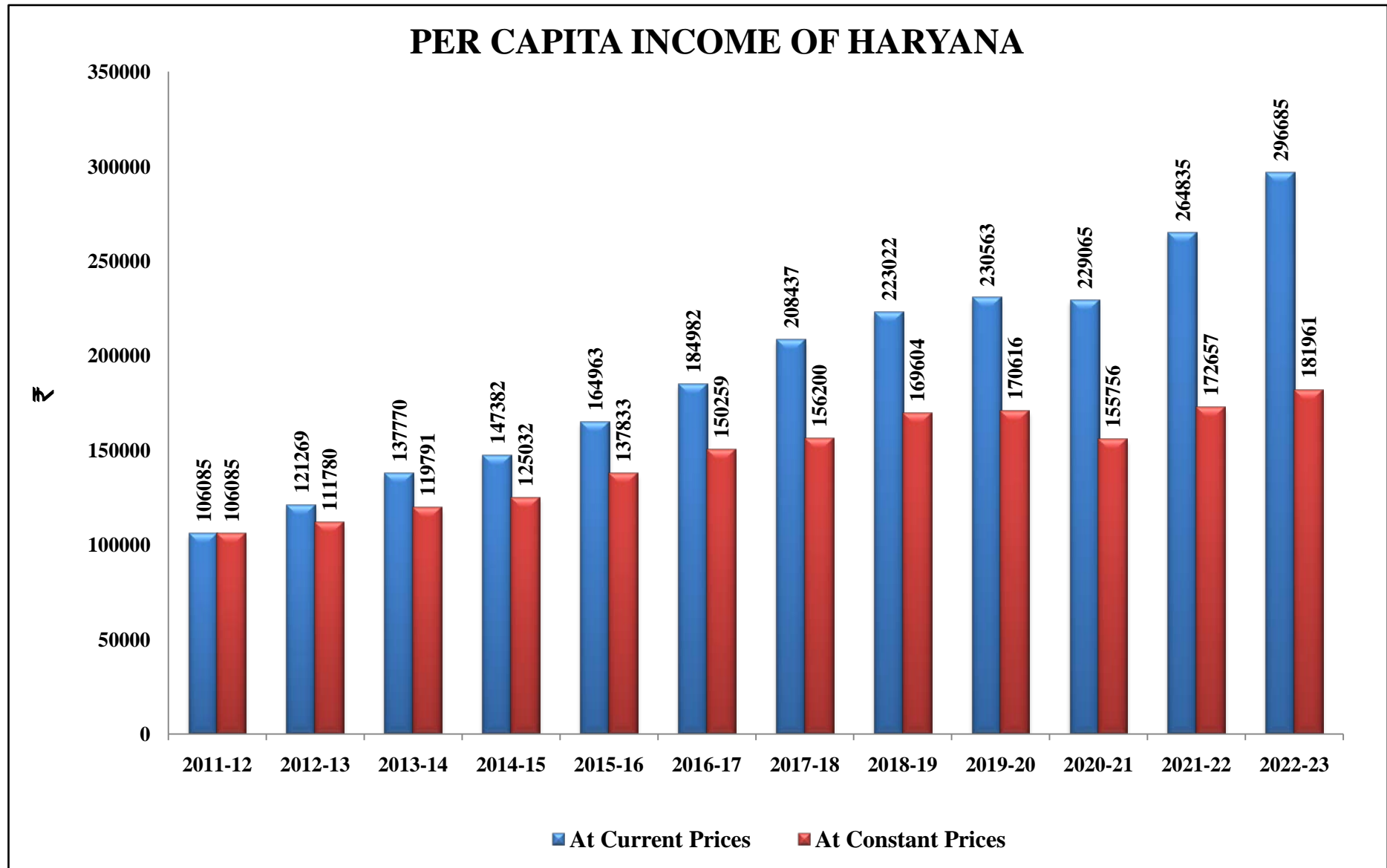
2.12 The sectoral composition clearly indicates that the State economy is shifting from agriculture to services sector which is a sign of healthy economy. The share of primary sector comprising Crops, Livestock, Forestry & logging, Fishing and Mining & Quarrying sectors in the State GSVA has declined from 23.6 percent in 2011-12 to 17.9 percent in 2021-22 (**Table 2.6**). The share of secondary sector consisting of Manufacturing, Construction and Electricity, Gas, Water Supply and Other Utility Services slightly increased from 31.6 percent in 2011-12 to 33.2 percent in 2021-22. The contribution of tertiary sector comprising Trade, Repairs, Hotels & Restaurants, Transport, Storage & Communication, Financial Services, Real Estate, Ownership of Dwellings & Professional Services, Public Administration and Other Services sectors has increased from 44.9 percent in 2011-12 to 48.9 percent in 2021-22. The change in the sectoral composition of GSVA over the years points to general scenario of the developing economy. It clearly indicates that the State economy is moving ahead towards the sound and matured economy.

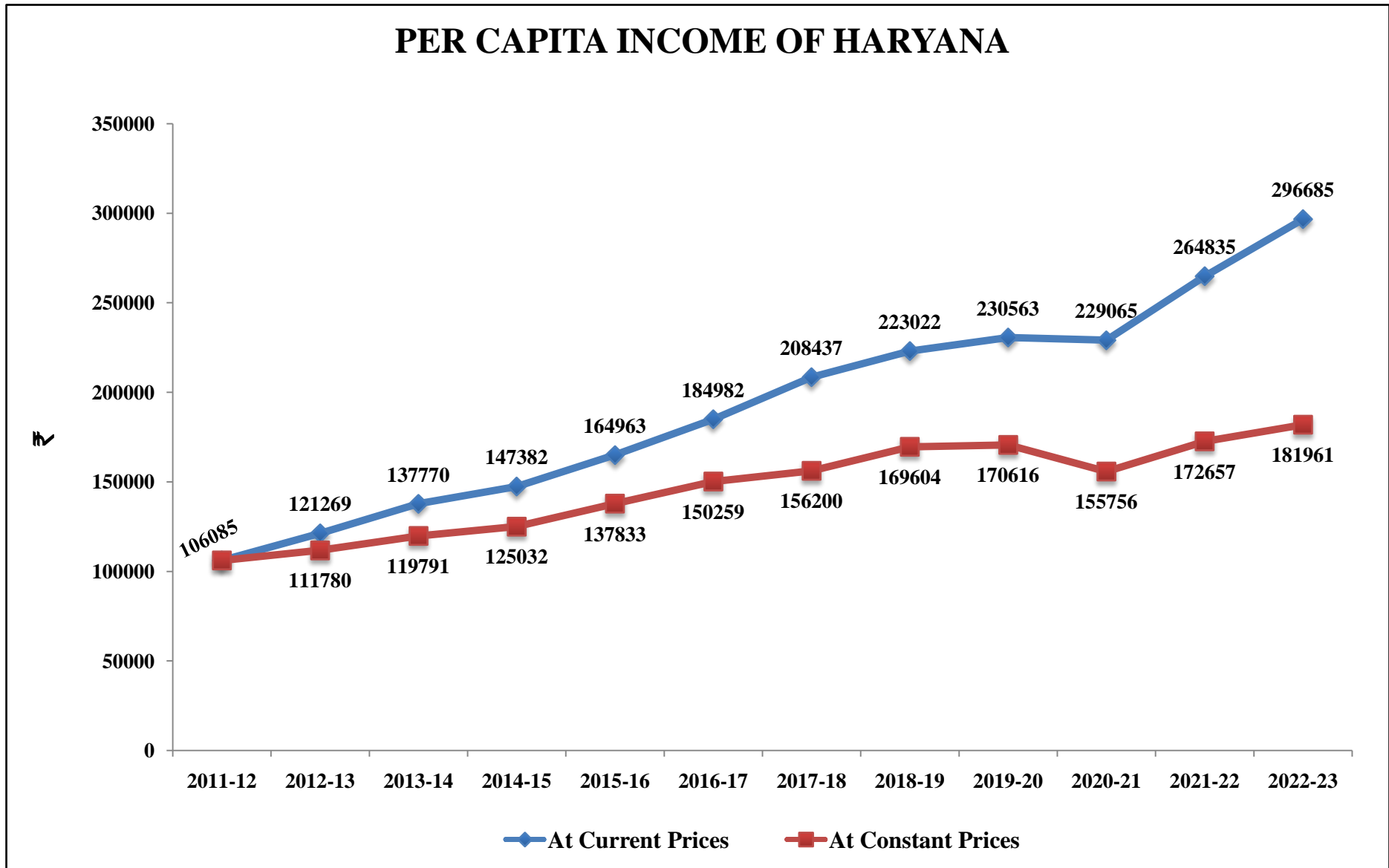
2.13 The share of primary sector declined to 17.6 percent in 2022-23 as compared to 17.9 percent recorded in 2021-22, which is lowest during 2011-12 to 2022-23. But the share of secondary sector has been estimated as 33.0 percent in 2022-23 as compared to 33.2 percent recorded in the previous year. The share of tertiary sector increased to 49.4 percent in 2022-23 as compared to 48.9 percent recorded in 2021-22.

Table 2.6 – Composition of GSVA by broad sectors of State economy at constant (2011-12) prices

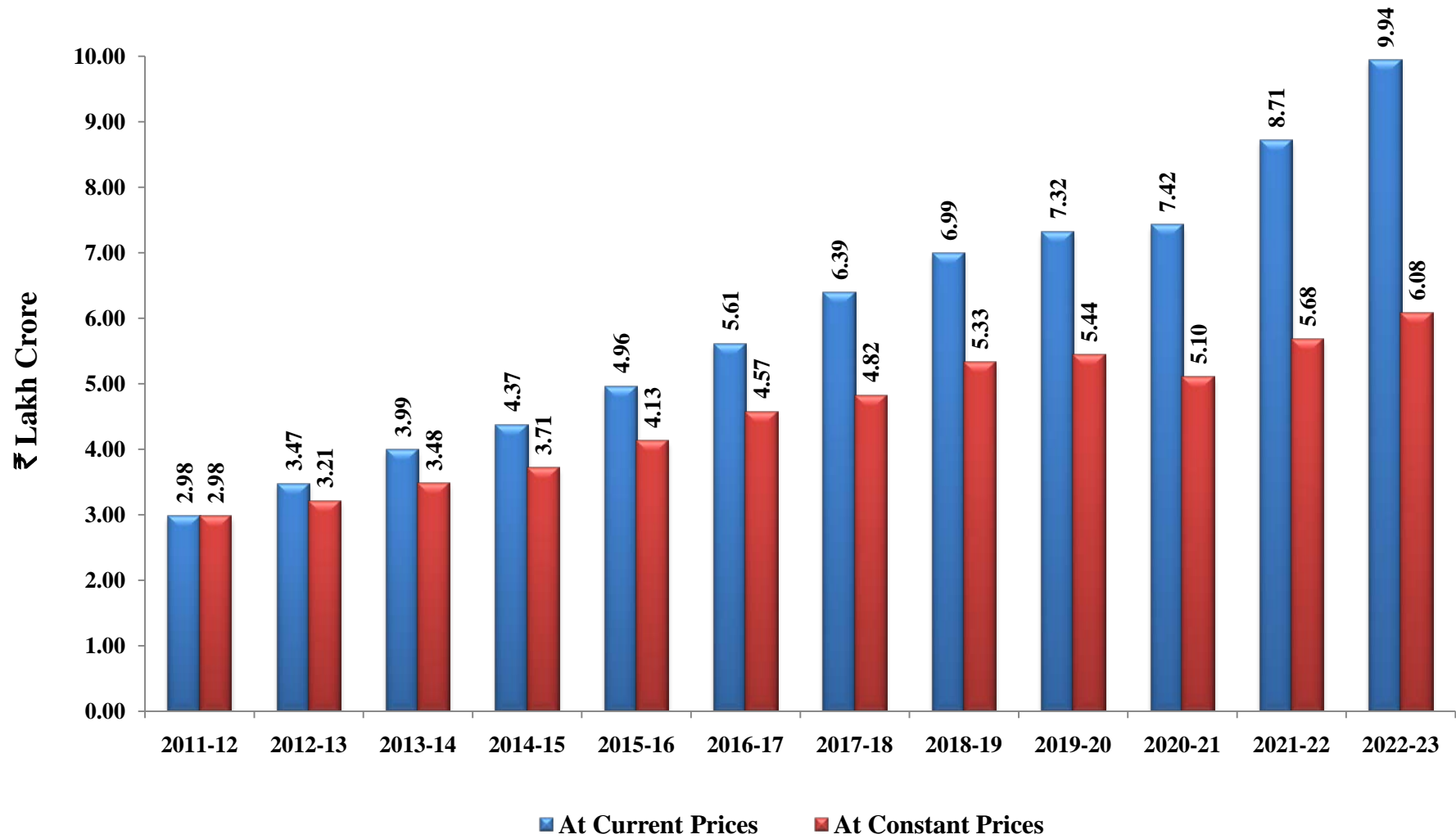
(Percent)

Year	Primary	Secondary	Tertiary
2011-12	23.6	31.6	44.9
2012-13	21.6	32.1	46.3
2013-14	20.7	32.0	47.4
2014-15	19.1	31.6	49.4
2015-16	18.2	32.0	49.9
2016-17	18.0	32.8	49.3
2017-18	18.2	32.3	49.5
2018-19	17.9	33.3	48.8
2019-20	18.6	31.6	49.8
2020-21	19.4	32.7	47.9
2021-22	17.9	33.2	48.9
2022-23	17.6	33.0	49.4

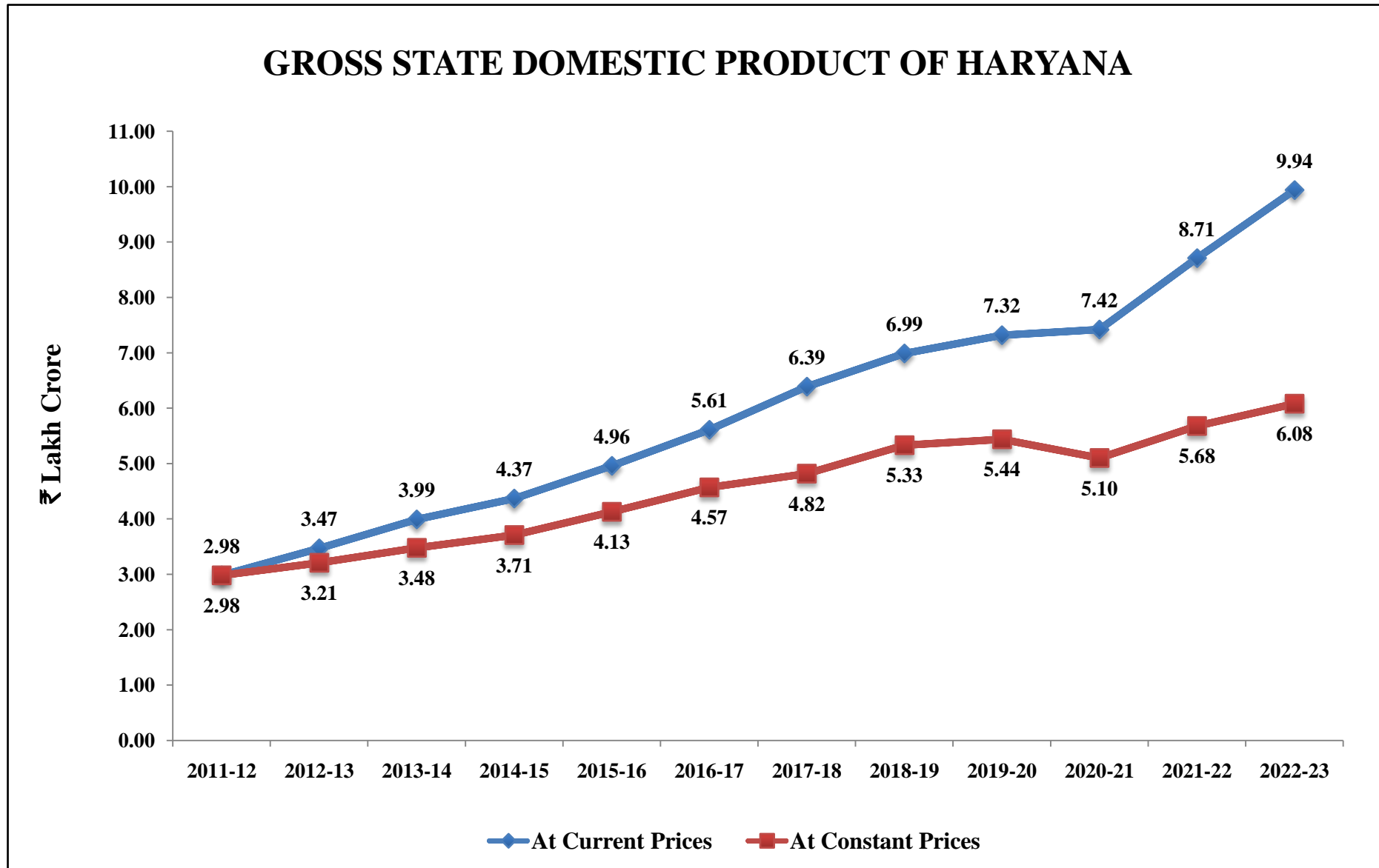




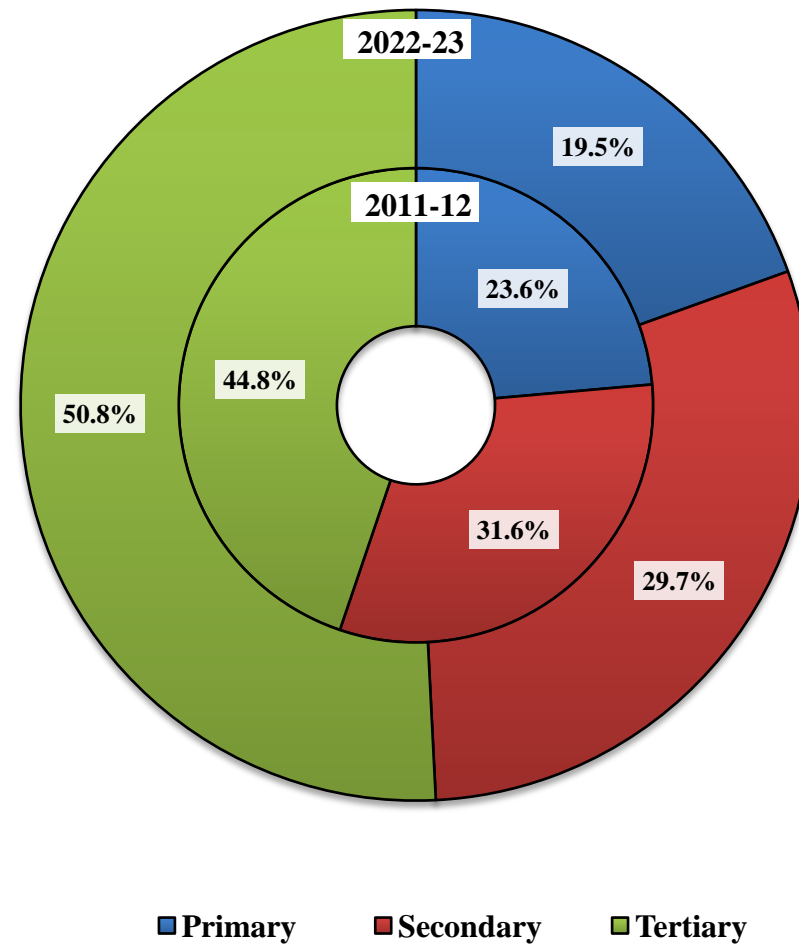
GROSS STATE DOMESTIC PRODUCT OF HARYANA



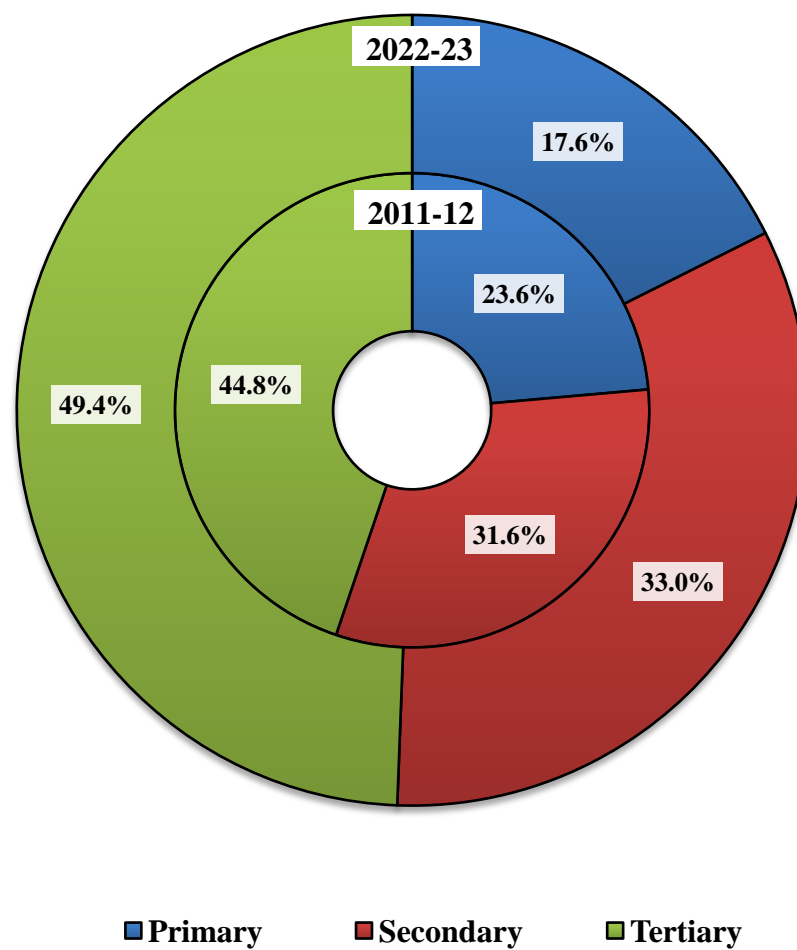
GROSS STATE DOMESTIC PRODUCT OF HARYANA



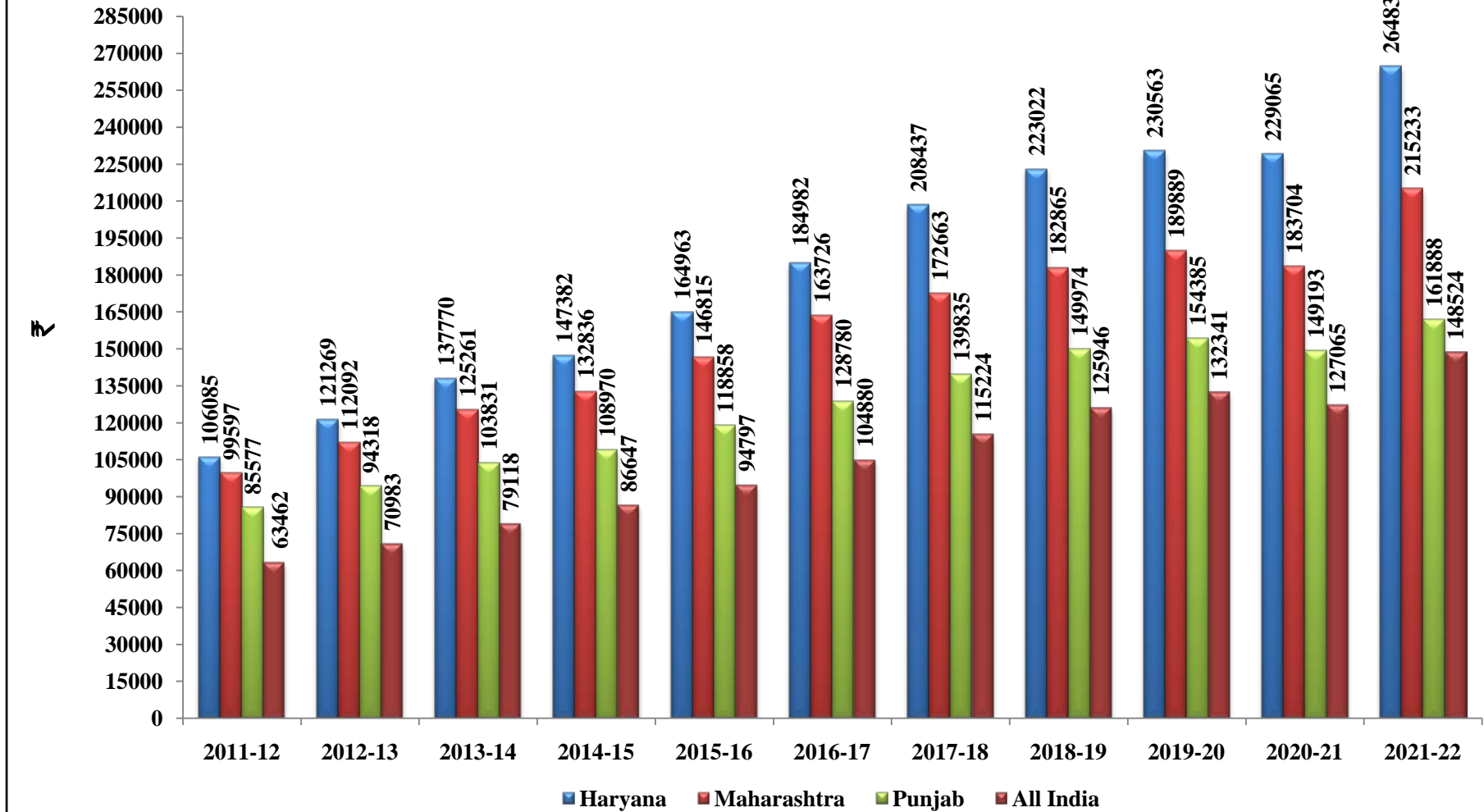
COMPOSITION OF GROSS STATE VALUE ADDED BY BROAD SECTORS AT CURRENT PRICES



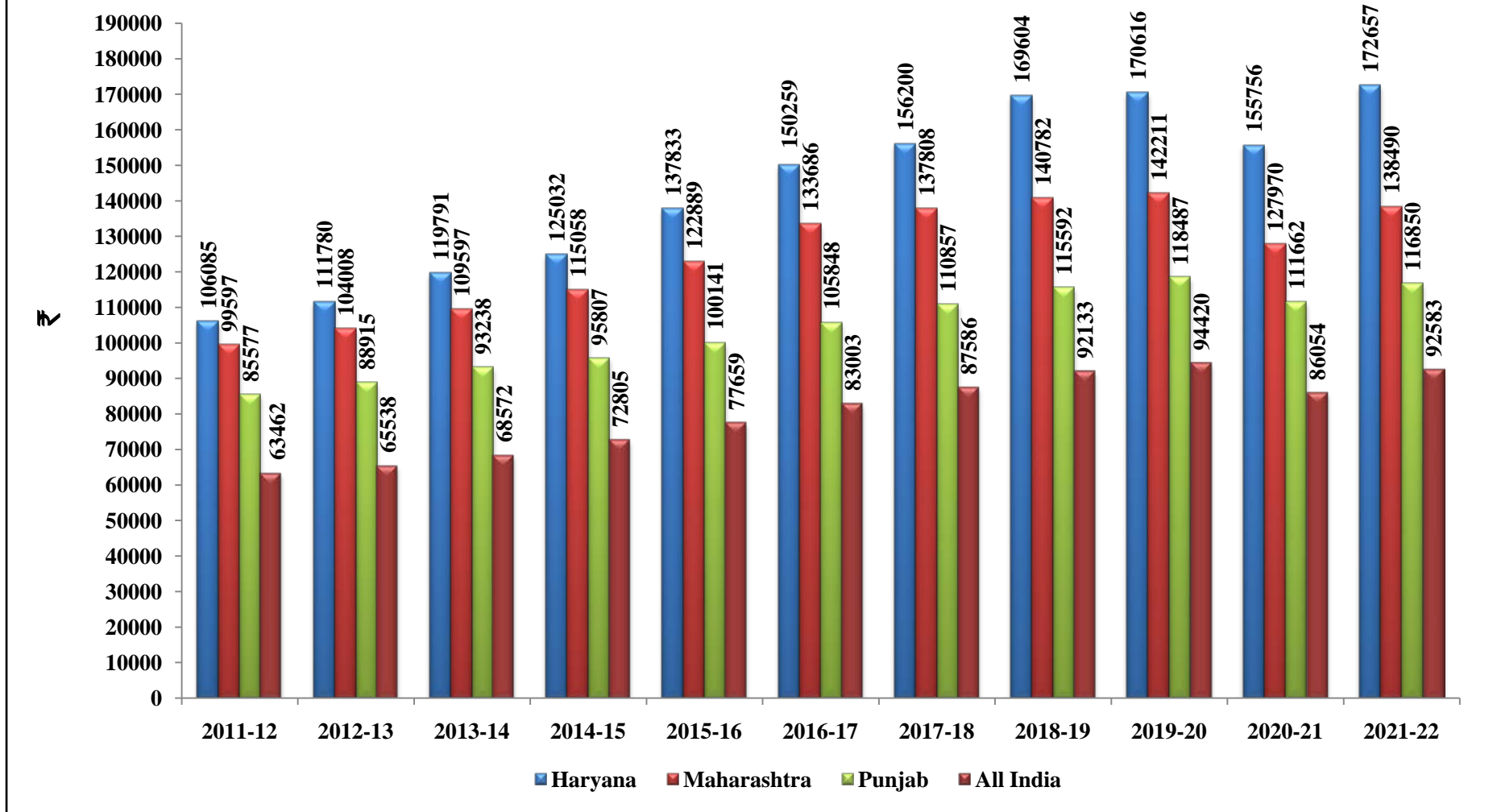
COMPOSITION OF GROSS STATE VALUE ADDED BY BROAD SECTORS AT CONSTANT (2011-12) PRICES



PER CAPITA INCOME OF IMPORTANT STATES AT CURRENT PRICES



PER CAPITA INCOME OF IMPORTANT STATES AT CONSTANT (2011-12) PRICES



CONTRIBUTION OF GSDP IN NATIONAL GDP

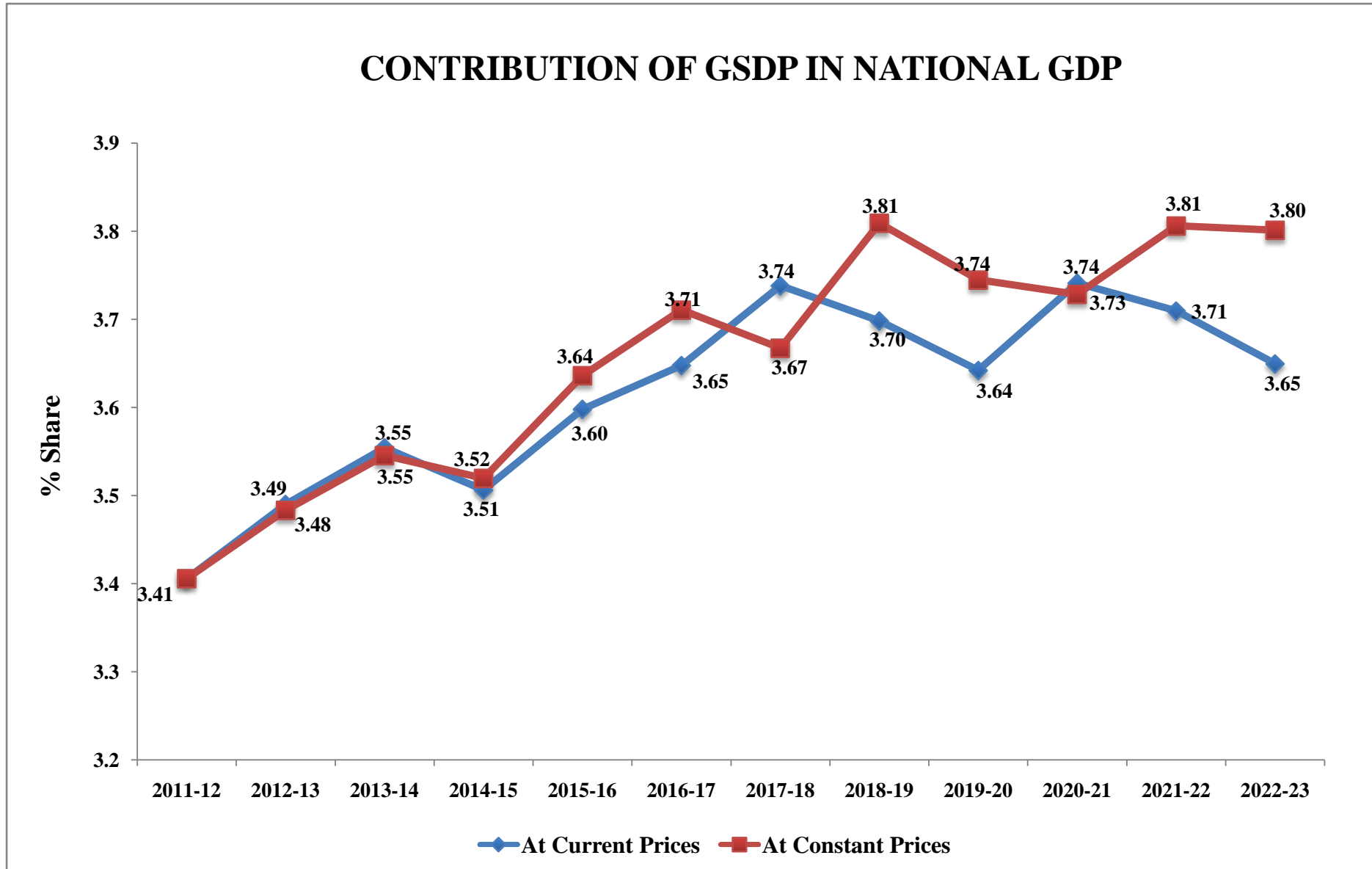


Table – 1
State Domestic Product of Haryana at Current and Constant (2011-12) Prices

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	At Current Prices						
(i)	Gross State Domestic Product (₹ Crore)	297538.52	347032.01	399268.12	437144.71	495504.11	561424.17
(ii)	Net State Domestic Product (₹ Crore)	271152.48	314353.02	362196.41	392950.19	446059.02	507276.15
(iii)	Per Capita Gross State Domestic Product (₹)	116408	133875	151871	163958	183249	204727
(iv)	Per Capita Net State Domestic Product (₹)	106085	121269	137770	147382	164963	184982
2	At Constant (2011-12) Prices						
(i)	Gross State Domestic Product (₹ Crore)	297538.52	320911.91	347506.61	370534.51	413404.79	456709.11
(ii)	Net State Domestic Product (₹ Crore)	271152.48	289756.22	314931.20	333359.25	372700.25	412054.61
(iii)	Per Capita Gross State Domestic Product (₹)	116408	123799	132182	138975	152886	166542
(iv)	Per Capita Net State Domestic Product (₹)	106085	111780	119791	125032	137833	150259
3	Index Number (with 2011-12 as base year)						
a)	At Current Prices						
(i)	Gross State Domestic Product	100.0	116.6	134.2	146.9	166.5	188.7
(ii)	Net State Domestic Product	100.0	115.9	133.6	144.9	164.5	187.1
(iii)	Per Capita Gross State Domestic Product	100.0	115.0	130.5	140.8	157.4	175.9
(iv)	Per Capita Net State Domestic Product	100.0	114.3	129.9	138.9	155.5	174.4
b)	At Constant Prices						
(i)	Gross State Domestic Product	100.0	107.9	116.8	124.5	138.9	153.5
(ii)	Net State Domestic Product	100.0	106.9	116.1	122.9	137.5	152.0
(iii)	Per Capita Gross State Domestic Product	100.0	106.3	113.6	119.4	131.3	143.1
(iv)	Per Capita Net State Domestic Product	100.0	105.4	112.9	117.9	129.9	141.6
4	Population (000)	25560	25922	26290	26662	27040	27423

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State Domestic Product of Haryana at Current and Constant (2011-12) Prices

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	At Current Prices						
(i)	Gross State Domestic Product (₹ Crore)	638832.08	698939.76	732194.51	741850.07	870664.53	994154.08
(ii)	Net State Domestic Product (₹ Crore)	579684.90	629054.59	659548.56	664541.15	779196.94	885307.96
(iii)	Per Capita Gross State Domestic Product (₹)	229705	247798	255958	255713	295923	333162
(iv)	Per Capita Net State Domestic Product (₹)	208437	223022	230563	229065	264835	296685
2	At Constant (2011-12) Prices						
(i)	Gross State Domestic Product (₹ Crore)	482036.15	532996.04	544275.44	510306.11	568086.06	608420.26
(ii)	Net State Domestic Product (₹ Crore)	434407.17	478383.74	488065.26	451863.94	507991.51	542971.82
(iii)	Per Capita Gross State Domestic Product (₹)	173326	188965	190266	175901	193082	203894
(iv)	Per Capita Net State Domestic Product (₹)	156200	169604	170616	155756	172657	181961
3	Index Number (with 2011-12 as base year)						
a)	At Current Prices						
(i)	Gross State Domestic Product	214.7	234.9	246.1	249.3	292.6	334.1
(ii)	Net State Domestic Product	213.8	232.0	243.2	245.1	287.4	326.5
(iii)	Per Capita Gross State Domestic Product	197.3	212.9	219.9	219.7	254.2	286.2
(iv)	Per Capita Net State Domestic Product	196.5	210.2	217.3	215.9	249.6	279.7
b)	At Constant Prices						
(i)	Gross State Domestic Product	162.0	179.1	182.9	171.5	190.9	204.5
(ii)	Net State Domestic Product	160.2	176.4	180.0	166.6	187.3	200.2
(iii)	Per Capita Gross State Domestic Product	148.9	162.3	163.4	151.1	165.9	175.2
(iv)	Per Capita Net State Domestic Product	147.2	159.9	160.8	146.8	162.8	171.5
4	Population (000)	27811	28206	28606	29011	29422	29840

Table – 2
Gross State Value Added and Gross State Domestic Product by
Economic Activity (at Current Prices)

(₹ Crore)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	64538.86	71506.66	79299.14	80204.26	84632.88	94368.98
1.1	Crops	40887.37	44576.01	49515.47	46129.43	46816.37	54364.59
1.2	Livestock	18898.17	21601.83	24830.10	29166.59	32860.63	35900.67
1.3	Forestry & Logging	3894.90	4325.60	4003.45	3807.44	4078.05	3050.97
1.4	Fishing & Aquaculture	858.43	1003.22	950.12	1100.80	877.83	1052.76
2	Mining & Quarrying	118.82	100.13	306.43	353.88	637.04	1067.43
	Primary	64657.68	71606.79	79605.57	80558.13	85269.92	95436.41
3	Manufacturing	53286.09	66637.57	73864.37	79701.67	88400.35	100410.54
4	Electricity, Gas, Water Supply & Other Utility Services	3446.04	6475.42	9900.52	11240.55	14210.09	14785.85
5	Construction	29759.66	30423.91	35719.36	36620.85	36084.46	39355.74
	Secondary	86491.79	103536.90	119484.25	127563.07	138694.89	154552.12
6	Trade, Repair, Hotels & Restaurants	33107.42	38818.72	43370.16	49218.21	55271.02	62572.58
6.1	Trade & Repair Services	31915.26	37509.11	41954.70	47743.78	53666.57	60813.97
6.2	Hotels & Restaurants	1192.16	1309.61	1415.46	1474.44	1604.45	1758.60
7	Transport, Storage, Communication & Services related to Broadcasting	17276.89	19655.60	22261.72	25134.63	26781.27	27902.46
7.1	Railways	2689.49	3339.24	3496.21	4297.58	4396.66	4218.21
7.2	Road Transport	10044.52	11370.35	12836.57	14488.70	15230.40	16531.35
7.3	Services incidental to Transport	1392.22	1569.62	1637.74	1530.27	1518.74	1637.36
7.4	Storage	119.55	165.30	143.78	151.66	102.55	125.51
7.5	Communication & Services related to Broadcasting	3031.12	3211.09	4147.41	4666.42	5532.92	5390.04
8	Financial Services	11656.59	13213.89	14838.09	16777.07	19765.89	21666.27
9	Real Estate, Ownership of Dwellings & Professional Services	40928.00	50079.87	62622.14	70075.05	79889.58	91252.28
10	Public Administration	7298.14	8221.86	8856.60	10485.96	11142.72	12240.76
11	Other Services	12658.12	14760.85	16528.25	20102.14	22519.62	25825.01
	Tertiary	122925.16	144750.79	168476.95	191793.07	215370.09	241459.35
12	Total GSVA at Basic Prices	274074.63	319894.48	367566.77	399914.27	439334.91	491447.88
13	Taxes on Products	33212.10	38941.11	42334.16	47775.64	63350.00	76906.39
14	Subsidies on Products	9748.21	11803.58	10632.81	10545.20	7180.80	6930.10
15	Gross State Domestic Product	297538.52	347032.01	399268.12	437144.71	495504.11	561424.17
16	Population (000)	25560	25922	26290	26662	27040	27423
17	Per Capita GSDP (₹)	116408	133875	151871	163958	183249	204727

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Gross State Value Added and Gross State Domestic Product by Economic Activity (at Current Prices)

(₹ Crore)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	107069.91	121100.01	130077.06	135227.36	148566.32	168659.73
1.1	Crops	59220.33	62454.53	64921.33	67341.83	74361.40	86125.431
1.2	Livestock	42263.13	52304.96	58870.38	61187.18	67103.35	74542.641
1.3	Forestry & Logging	4177.90	4609.58	4548.53	4785.42	5167.83	5428.8253
1.4	Fishing & Aquaculture	1408.55	1730.95	1736.82	1912.94	1933.75	2562.8368
2	Mining & Quarrying	1061.56	870.91	1462.72	1334.16	1281.94	1358.1709
	Primary	108131.46	121970.92	131539.78	136561.52	149848.26	170017.90
3	Manufacturing	109975.45	132041.72	128660.22	132251.83	158786.86	176001.59
4	Electricity, Gas, Water Supply & Other Utility Services	18252.90	18272.08	16623.01	16266.58	17564.90	19226.407
5	Construction	42781.55	49030.23	49998.07	47202.17	56101.28	63618.586
	Secondary	171009.90	199344.02	195281.31	195720.58	232453.04	258846.58
6	Trade, Repair, Hotels & Restaurants	72018.31	82956.91	90494.84	72739.24	99060.91	118983.02
6.1	Trade & Repair Services	70134.09	80858.55	88206.27	71704.93	97745.57	117361.55
6.2	Hotels & Restaurants	1884.21	2098.35	2288.57	1034.32	1315.34	1621.4724
7	Transport, Storage, Communication & Services related to Broadcasting	28598.54	30923.80	27947.48	26607.35	39085.88	48191.87
7.1	Railways	4091.02	3820.44	4178.82	3687.21	5990.17	7575.8508
7.2	Road Transport	17466.10	19252.04	15137.82	13291.94	21648.60	27349.642
7.3	Services incidental to Transport	1673.90	1556.17	1540.62	1489.49	2420.56	3058.006
7.4	Storage	226.01	268.21	338.53	326.61	277.01	314.96443
7.5	Communication & Services related to Broadcasting	5141.51	6026.94	6751.69	7812.09	8749.54	9893.4068
8	Financial Services	19695.60	27380.78	28748.07	30885.73	35147.96	39717.196
9	Real Estate, Ownership of Dwellings & Professional Services	100673.09	111818.73	120884.56	120412.69	135377.29	156485.45
10	Public Administration	14413.01	15417.13	17060.16	19376.16	22066.32	24766.765
11	Other Services	30700.29	34035.96	39195.78	42937.84	47895.41	53218.214
	Tertiary	266098.83	302533.31	324330.89	312959.02	378633.76	441362.52
12	Total GSVA at Basic Prices	545240.20	623848.26	651151.97	645241.13	760935.06	870227.00
13	Taxes on Products	99742.03	81351.99	87750.80	107825.14	118715.48	133744.86
14	Subsidies on Products	6150.15	6260.49	6708.26	11216.20	8986.01	9817.7776
15	Gross State Domestic Product	638832.08	698939.76	732194.51	741850.07	870664.53	994154.08
16	Population (000)	27811	28206	28606	29011	29422	29840
17	Per Capita GSDP (₹)	229705	247798	255958	255713	295923	333162

Table – 3
Gross State Value Added and Gross State Domestic Product by
Economic Activity (at Constant Prices)

(₹ Crore)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	64538.86	63264.99	65025.14	63576.61	66022.21	71266.59
1.1	Crops	40887.37	38563.32	39156.54	35974.25	36565.73	40805.48
1.2	Livestock	18898.17	20026.61	21336.04	22804.49	24468.93	26410.92
1.3	Forestry & Logging	3894.90	3772.16	3677.45	3897.24	3984.38	2871.82
1.4	Fishing & Aquaculture	858.43	902.89	855.10	900.64	1003.17	1178.37
2	Mining & Quarrying	118.82	91.94	272.40	330.90	695.23	1191.15
	Primary	64657.68	63356.93	65297.53	63907.52	66717.44	72457.74
3	Manufacturing	53286.09	63311.66	67459.01	72320.84	84936.38	97157.52
4	Electricity, Gas, Water Supply & Other Utility Services	3446.04	3375.07	2917.19	3267.77	2960.61	3561.64
5	Construction	29759.66	27614.98	30686.76	30146.78	29581.79	31522.08
	Secondary	86491.79	94301.71	101062.96	105735.39	117478.78	132241.23
6	Trade, Repair, Hotels & Restaurants	33107.42	36239.29	38434.40	43097.44	50324.65	55986.73
6.1	Trade & Repair Services	31915.26	35016.57	37181.68	41807.97	48864.58	54414.47
6.2	Hotels & Restaurants	1192.16	1222.71	1252.73	1289.47	1460.07	1572.27
7	Transport, Storage, Communication & Services related to Broadcasting	17276.89	18744.22	20469.79	22937.61	24381.94	24631.92
7.1	Railways	2689.49	3185.32	3245.88	3751.96	3740.15	3245.51
7.2	Road Transport	10044.52	10870.92	11753.28	13121.60	13752.18	14604.37
7.3	Services incidental to Transport	1392.22	1500.68	1613.77	1800.24	1882.28	2011.64
7.4	Storage	119.55	128.72	124.58	118.61	119.94	118.74
7.5	Communication & Services related to Broadcasting	3031.12	3058.58	3732.28	4145.21	4887.38	4651.66
8	Financial Services	11656.59	13040.10	14326.85	15910.68	18309.94	20100.42
9	Real Estate, Ownership of Dwellings & Professional Services	40928.00	46435.52	54339.87	58116.21	63607.67	69470.17
10	Public Administration	7298.14	7640.28	7680.53	8659.09	8924.91	9465.18
11	Other Services	12658.12	13842.53	14446.71	16605.16	17662.67	19257.54
	Tertiary	122925.16	135941.93	149698.16	165326.20	183211.78	198911.97
12	Total GVA at Basic Prices	274074.63	293600.57	316058.65	334969.11	367408.00	403610.94
13	Taxes on Products	33212.10	38144.72	40590.76	44398.08	52001.97	58789.64
14	Subsidies on Products	9748.21	10833.38	9142.81	8832.68	6005.18	5691.48
15	Gross State Domestic Product	297538.52	320911.91	347506.61	370534.51	413404.79	456709.11
16	Population (000)	25560	25922	26290	26662	27040	27423
17	Per Capita GSDP (₹)	116408	123799	132182	138975	152886	166542

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Gross State Value Added and Gross State Domestic Product by Economic Activity (at Constant Prices)

(₹ Crore)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	76289.98	83005.04	87424.05	86849.12	88199.89	92861.74
1.1	Crops	42060.40	43055.93	43102.71	43528.11	43464.81	45365.17
1.2	Livestock	29289.36	34676.02	38476.26	37170.10	38402.25	40608.22
1.3	Forestry & Logging	3372.29	3735.75	4286.89	4444.96	4607.05	4787.75
1.4	Fishing & Aquaculture	1567.94	1537.34	1558.17	1705.95	1725.78	2100.60
2	Mining & Quarrying	1089.03	772.57	1314.71	1209.73	1163.18	1233.15
	Primary	77379.01	83777.61	88738.76	88058.85	89363.07	94094.89
3	Manufacturing	99031.41	114523.98	109266.45	110110.58	123069.34	130200.60
4	Electricity, Gas, Water Supply & Other Utility Services	4439.79	4230.47	4715.88	4328.94	4731.53	5147.91
5	Construction	33630.63	36652.32	37161.46	33744.60	38016.55	40969.26
	Secondary	137101.82	155406.76	151143.79	148184.12	165817.42	176317.77
6	Trade, Repair, Hotels & Restaurants	62645.36	69277.80	74420.97	59092.67	71039.28	76359.81
6.1	Trade & Repair Services	61006.81	67525.06	72537.36	58250.62	70096.09	75320.00
6.2	Hotels & Restaurants	1638.55	1752.74	1883.61	842.05	943.19	1039.81
7	Transport, Storage, Communication & Services related to Broadcasting	24707.85	25412.16	25670.08	21306.43	24286.19	28676.81
7.1	Railways	3083.99	2823.67	2538.63	1809.85	2292.63	3635.16
7.2	Road Transport	15112.50	15433.12	15513.49	11745.60	13728.32	16063.46
7.3	Services incidental to Transport	2051.95	2111.12	2131.81	2195.72	2567.33	3004.02
7.4	Storage	116.36	131.08	145.31	159.38	156.87	163.30
7.5	Communication & Services related to Broadcasting	4343.06	4913.17	5340.83	5395.87	5541.03	5810.87
8	Financial Services	16960.15	22042.57	21957.08	23407.47	27415.41	30979.41
9	Real Estate, Ownership of Dwellings & Professional Services	73238.90	77438.24	80078.12	75074.50	80010.34	85859.06
10	Public Administration	10702.49	11093.81	11817.92	12815.32	13830.63	14301.52
11	Other Services	21722.71	22477.43	24232.67	25156.71	27253.46	28036.31
	Tertiary	209977.45	227742.02	238176.84	216853.10	243835.30	264212.93
12	Total GSVA at Basic Prices	424458.28	466926.40	478059.38	453096.07	499015.79	534625.59
13	Taxes on Products	62365.63	70755.38	71141.09	65086.19	74963.22	79853.34
14	Subsidies on Products	4787.77	4685.74	4925.04	7876.15	5892.96	6058.67
15	Gross State Domestic Product	482036.15	532996.04	544275.44	510306.11	568086.06	608420.26
16	Population (000)	27811	28206	28606	29011	29422	29840
17	Per Capita GSDP (₹)	173326	188965	190266	175901	193082	203894

Table – 4
Composition of Gross State Value Added by Economic Activity
(at Current Prices)

		(Percent)					
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	23.5	22.4	21.6	20.1	19.3	19.2
1.1	Crops	14.9	13.9	13.5	11.5	10.7	11.1
1.2	Livestock	6.9	6.8	6.8	7.3	7.5	7.3
1.3	Forestry & Logging	1.4	1.4	1.1	1.0	0.9	0.6
1.4	Fishing & Aquaculture	0.3	0.3	0.3	0.3	0.2	0.2
2	Mining & Quarrying	0.0	0.0	0.1	0.1	0.1	0.2
	Primary	23.6	22.4	21.7	20.1	19.4	19.4
3	Manufacturing	19.4	20.8	20.1	19.9	20.1	20.4
4	Electricity, Gas, Water Supply & Other Utility Services	1.3	2.0	2.7	2.8	3.2	3.0
5	Construction	10.9	9.5	9.7	9.2	8.2	8.0
	Secondary	31.6	32.4	32.5	31.9	31.6	31.4
6	Trade, Repair, Hotels & Restaurants	12.1	12.1	11.8	12.3	12.6	12.7
6.1	Trade & Repair Services	11.6	11.7	11.4	11.9	12.2	12.4
6.2	Hotels & Restaurants	0.4	0.4	0.4	0.4	0.4	0.4
7	Transport, Storage, Communication & Services related to Broadcasting	6.3	6.1	6.1	6.3	6.1	5.7
7.1	Railways	1.0	1.0	1.0	1.1	1.0	0.9
7.2	Road Transport	3.7	3.6	3.5	3.6	3.5	3.4
7.3	Services incidental to Transport	0.5	0.5	0.4	0.4	0.3	0.3
7.4	Storage	0.0	0.1	0.0	0.0	0.0	0.0
7.5	Communication & Services related to Broadcasting	1.1	1.0	1.1	1.2	1.3	1.1
8	Financial Services	4.3	4.1	4.0	4.2	4.5	4.4
9	Real Estate, Ownership of Dwellings & Professional Services	14.9	15.7	17.0	17.5	18.2	18.6
10	Public Administration	2.7	2.6	2.4	2.6	2.5	2.5
11	Other Services	4.6	4.6	4.5	5.0	5.1	5.3
	Tertiary	44.8	45.2	45.8	48.0	49.0	49.1
12	Total GSVA at Basic Prices	100.0	100.0	100.0	100.0	100.0	100.0

Contd....

**Composition of Gross State Value Added by Economic Activity
(at Current Prices)**

(Percent)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	19.6	19.4	20.0	21.0	19.5	19.4
1.1	Crops	10.9	10.0	10.0	10.4	9.8	9.9
1.2	Livestock	7.8	8.4	9.0	9.5	8.8	8.6
1.3	Forestry & Logging	0.8	0.7	0.7	0.7	0.7	0.6
1.4	Fishing & Aquaculture	0.3	0.3	0.3	0.3	0.3	0.3
2	Mining & Quarrying	0.2	0.1	0.2	0.2	0.2	0.2
	Primary	19.8	19.6	20.2	21.2	19.7	19.5
3	Manufacturing	20.2	21.2	19.8	20.5	20.9	20.2
4	Electricity, Gas, Water Supply & Other Utility Services	3.3	2.9	2.6	2.5	2.3	2.2
5	Construction	7.8	7.9	7.7	7.3	7.4	7.3
	Secondary	31.4	32.0	30.0	30.3	30.5	29.7
6	Trade, Repair, Hotels & Restaurants	13.2	13.3	13.9	11.3	13.0	13.7
6.1	Trade & Repair Services	12.9	13.0	13.5	11.1	12.8	13.5
6.2	Hotels & Restaurants	0.3	0.3	0.4	0.2	0.2	0.2
7	Transport, Storage, Communication & Services related to Broadcasting	5.2	5.0	4.3	4.1	5.1	5.5
7.1	Railways	0.8	0.6	0.6	0.6	0.8	0.9
7.2	Road Transport	3.2	3.1	2.3	2.1	2.8	3.1
7.3	Services incidental to Transport	0.3	0.2	0.2	0.2	0.3	0.4
7.4	Storage	0.0	0.0	0.1	0.1	0.0	0.0
7.5	Communication & Services related to Broadcasting	0.9	1.0	1.0	1.2	1.1	1.1
8	Financial Services	3.6	4.4	4.4	4.8	4.6	4.6
9	Real Estate, Ownership of Dwellings & Professional Services	18.5	17.9	18.6	18.7	17.8	18.0
10	Public Administration	2.6	2.5	2.6	3.0	2.9	2.8
11	Other Services	5.6	5.5	6.0	6.7	6.3	6.1
	Tertiary	48.8	48.5	49.8	48.5	49.8	50.7
12	Total GSVA at Basic Prices	100.0	100.0	100.0	100.0	100.0	100.0

Table – 5
Composition of Gross State Value Added by Economic Activity
(at Constant Prices)

		(Percent)					
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	23.5	21.5	20.6	19.0	18.0	17.7
1.1	Crops	14.9	13.1	12.4	10.7	10.0	10.1
1.2	Livestock	6.9	6.8	6.8	6.8	6.7	6.5
1.3	Forestry & Logging	1.4	1.3	1.2	1.2	1.1	0.7
1.4	Fishing & Aquaculture	0.3	0.3	0.3	0.3	0.3	0.3
2	Mining & Quarrying	0.0	0.0	0.1	0.1	0.2	0.3
	Primary	23.6	21.6	20.7	19.1	18.2	18.0
3	Manufacturing	19.4	21.6	21.3	21.6	23.1	24.1
4	Electricity, Gas, Water Supply & Other Utility Services	1.3	1.1	0.9	1.0	0.8	0.9
5	Construction	10.9	9.4	9.7	9.0	8.1	7.8
	Secondary	31.6	32.1	32.0	31.6	32.0	32.8
6	Trade, Repair, Hotels & Restaurants	12.1	12.3	12.2	12.9	13.7	13.9
6.1	Trade & Repair Services	11.6	11.9	11.8	12.5	13.3	13.5
6.2	Hotels & Restaurants	0.4	0.4	0.4	0.4	0.4	0.4
7	Transport, Storage, Communication & Services related to Broadcasting	6.3	6.4	6.5	6.8	6.6	6.1
7.1	Railways	1.0	1.1	1.0	1.1	1.0	0.8
7.2	Road Transport	3.7	3.7	3.7	3.9	3.7	3.6
7.3	Services incidental to Transport	0.5	0.5	0.5	0.5	0.5	0.5
7.4	Storage	0.0	0.0	0.0	0.0	0.0	0.0
7.5	Communication & Services related to Broadcasting	1.1	1.0	1.2	1.2	1.3	1.2
8	Financial Services	4.3	4.4	4.5	4.7	5.0	5.0
9	Real Estate, Ownership of Dwellings & Professional Services	14.9	15.8	17.2	17.3	17.3	17.2
10	Public Administration	2.7	2.6	2.4	2.6	2.4	2.3
11	Other Services	4.6	4.7	4.6	5.0	4.8	4.8
	Tertiary	44.8	46.3	47.4	49.4	49.9	49.3
12	Total GSVA at Basic Prices	100.0	100.0	100.0	100.0	100.0	100.0

Contd....

**Composition of Gross State Value Added by Economic Activity
(at Constant Prices)**

(Percent)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	18.0	17.8	18.3	19.2	17.7	17.4
1.1	Crops	9.9	9.2	9.0	9.6	8.7	8.5
1.2	Livestock	6.9	7.4	8.0	8.2	7.7	7.6
1.3	Forestry & Logging	0.8	0.8	0.9	1.0	0.9	0.9
1.4	Fishing & Aquaculture	0.4	0.3	0.3	0.4	0.3	0.4
2	Mining & Quarrying	0.3	0.2	0.3	0.3	0.2	0.2
	Primary	18.2	17.9	18.6	19.4	17.9	17.6
3	Manufacturing	23.3	24.5	22.9	24.3	24.7	24.4
4	Electricity, Gas, Water Supply & Other Utility Services	1.0	0.9	1.0	1.0	0.9	1.0
5	Construction	7.9	7.8	7.8	7.4	7.6	7.7
	Secondary	32.3	33.3	31.6	32.7	33.2	33.0
6	Trade, Repair, Hotels & Restaurants	14.8	14.8	15.6	13.0	14.2	14.3
6.1	Trade & Repair Services	14.4	14.5	15.2	12.9	14.0	14.1
6.2	Hotels & Restaurants	0.4	0.4	0.4	0.2	0.2	0.2
7	Transport, Storage, Communication & Services related to Broadcasting	5.8	5.4	5.4	4.7	4.9	5.4
7.1	Railways	0.7	0.6	0.5	0.4	0.5	0.7
7.2	Road Transport	3.6	3.3	3.2	2.6	2.8	3.0
7.3	Services incidental to Transport	0.5	0.5	0.4	0.5	0.5	0.6
7.4	Storage	0.0	0.0	0.0	0.0	0.0	0.0
7.5	Communication & Services related to Broadcasting	1.0	1.1	1.1	1.2	1.1	1.1
8	Financial Services	4.0	4.7	4.6	5.2	5.5	5.8
9	Real Estate, Ownership of Dwellings & Professional Services	17.3	16.6	16.8	16.6	16.0	16.1
10	Public Administration	2.5	2.4	2.5	2.8	2.8	2.7
11	Other Services	5.1	4.8	5.1	5.6	5.5	5.2
	Tertiary	49.5	48.8	49.8	47.9	48.9	49.4
12	Total GSVA at Basic Prices	100.0	100.0	100.0	100.0	100.0	100.0

Table – 6
Percentage change in Gross State Value Added and Gross State Domestic Product by Economic Activity (at Current Prices)

Sr. No.	Items	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	10.8	10.9	1.1	5.5	11.5	13.5
1.1	Crops	9.0	11.1	-6.8	1.5	16.1	8.9
1.2	Livestock	14.3	14.9	17.5	12.7	9.3	17.7
1.3	Forestry & Logging	11.1	-7.4	-4.9	7.1	-25.2	36.9
1.4	Fishing & Aquaculture	16.9	-5.3	15.9	-20.3	19.9	33.8
2	Mining & Quarrying	-15.7	206.0	15.5	80.0	67.6	-0.6
	Primary	10.7	11.2	1.2	5.8	11.9	13.3
3	Manufacturing	25.1	10.8	7.9	10.9	13.6	9.5
4	Electricity, Gas, Water Supply & Other Utility Services	87.9	52.9	13.5	26.4	4.1	23.4
5	Construction	2.2	17.4	2.5	-1.5	9.1	8.7
	Secondary	19.7	15.4	6.8	8.7	11.4	10.6
6	Trade, Repair, Hotels & Restaurants	17.3	11.7	13.5	12.3	13.2	15.1
6.1	Trade & Repair Services	17.5	11.9	13.8	12.4	13.3	15.3
6.2	Hotels & Restaurants	9.9	8.1	4.2	8.8	9.6	7.1
7	Transport, Storage, Communication & Services related to Broadcasting	13.8	13.3	12.9	6.6	4.2	2.5
7.1	Railways	24.2	4.7	22.9	2.3	-4.1	-3.0
7.2	Road Transport	13.2	12.9	12.9	5.1	8.5	5.7
7.3	Services incidental to Transport	12.7	4.3	-6.6	-0.8	7.8	2.2
7.4	Storage	38.3	-13.0	5.5	-32.4	22.4	80.1
7.5	Communication & Services related to Broadcasting	5.9	29.2	12.5	18.6	-2.6	-4.6
8	Financial Services	13.4	12.3	13.1	17.8	9.6	-9.1
9	Real Estate, Ownership of Dwellings & Professional Services	22.4	25.0	11.9	14.0	14.2	10.3
10	Public Administration	12.7	7.7	18.4	6.3	9.9	17.7
11	Other Services	16.6	12.0	21.6	12.0	14.7	18.9
	Tertiary	17.8	16.4	13.8	12.3	12.1	10.2
12	Total GSVA at Basic Prices	16.7	14.9	8.8	9.9	11.9	10.9
13	Taxes on Products	17.2	8.7	12.9	32.6	21.4	29.7
14	Subsidies on Products	21.1	-9.9	-0.8	-31.9	-3.5	-11.3
15	Gross State Domestic Product	16.6	15.1	9.5	13.4	13.3	13.8
16	Population	1.4	1.4	1.4	1.4	1.4	1.4
17	Per Capita GSDP	15.0	13.4	8.0	11.8	11.7	12.2

Contd....

Percentage change in Gross State Value Added and Gross State Domestic Product by Economic Activity (at Current Prices)

Sr. No.	Items	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13
1	Agriculture, Forestry and Fishing	13.1	7.4	4.0	9.9	13.5
1.1	Crops	5.5	3.9	3.7	10.4	15.8
1.2	Livestock	23.8	12.6	3.9	9.7	11.1
1.3	Forestry & Logging	10.3	-1.3	5.2	8.0	5.1
1.4	Fishing & Aquaculture	22.9	0.3	10.1	1.1	32.5
2	Mining & Quarrying	-18.0	68.0	-8.8	-3.9	5.9
	Primary	12.8	7.8	3.8	9.7	13.5
3	Manufacturing	20.1	-2.6	2.8	20.1	10.8
4	Electricity, Gas, Water Supply & Other Utility Services	0.1	-9.0	-2.1	8.0	9.5
5	Construction	14.6	2.0	-5.6	18.9	13.4
	Secondary	16.6	-2.0	0.2	18.8	11.4
6	Trade, Repair, Hotels & Restaurants	15.2	9.1	-19.6	36.2	20.1
6.1	Trade & Repair Services	15.3	9.1	-18.7	36.3	20.1
6.2	Hotels & Restaurants	11.4	9.1	-54.8	27.2	23.3
7	Transport, Storage, Communication & Services related to Broadcasting	8.1	-9.6	-4.8	46.9	23.3
7.1	Railways	-6.6	9.4	-11.8	62.5	26.5
7.2	Road Transport	10.2	-21.4	-12.2	62.9	26.3
7.3	Services incidental to Transport	-7.0	-1.0	-3.3	62.5	26.3
7.4	Storage	18.7	26.2	-3.5	-15.2	13.7
7.5	Communication & Services related to Broadcasting	17.2	12.0	15.7	12.0	13.1
8	Financial Services	39.0	5.0	7.4	13.8	13.0
9	Real Estate, Ownership of Dwellings & Professional Services	11.1	8.1	-0.4	12.4	15.6
10	Public Administration	7.0	10.7	13.6	13.9	12.2
11	Other Services	10.9	15.2	9.5	11.5	11.1
	Tertiary	13.7	7.2	-3.5	21.0	16.6
12	Total GSVA at Basic Prices	14.4	4.4	-0.9	17.9	14.4
13	Taxes on Products	-18.4	7.9	22.9	10.1	12.7
14	Subsidies on Products	1.8	7.2	67.2	-19.9	9.3
15	Gross State Domestic Product	9.4	4.8	1.3	17.4	14.2
16	Population	1.4	1.4	1.4	1.4	1.4
17	Per Capita GSDP	7.9	3.3	-0.1	15.7	12.6

Table – 7
Percentage change in Gross State Value Added and Gross State Domestic Product by Economic Activity (at Constant Prices)

Sr. No.	Items	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	-2.0	2.8	-2.2	3.8	7.9	7.0
1.1	Crops	-5.7	1.5	-8.1	1.6	11.6	3.1
1.2	Livestock	6.0	6.5	6.9	7.3	7.9	10.9
1.3	Forestry & Logging	-3.2	-2.5	6.0	2.2	-27.9	17.4
1.4	Fishing & Aquaculture	5.2	-5.3	5.3	11.4	17.5	33.1
2	Mining & Quarrying	-22.6	196.3	21.5	110.1	71.3	-8.6
	Primary	-2.0	3.1	-2.1	4.4	8.6	6.8
3	Manufacturing	18.8	6.6	7.2	17.4	14.4	1.9
4	Electricity, Gas, Water Supply & Other Utility Services	-2.1	-13.6	12.0	-9.4	20.3	24.7
5	Construction	-7.2	11.1	-1.8	-1.9	6.6	6.7
	Secondary	9.0	7.2	4.6	11.1	12.6	3.7
6	Trade, Repair, Hotels & Restaurants	9.5	6.1	12.1	16.8	11.3	11.9
6.1	Trade & Repair Services	9.7	6.2	12.4	16.9	11.4	12.1
6.2	Hotels & Restaurants	2.6	2.5	2.9	13.2	7.7	4.2
7	Transport, Storage, Communication & Services related to Broadcasting	8.5	9.2	12.1	6.3	1.0	0.3
7.1	Railways	18.4	1.9	15.6	-0.3	-13.2	-5.0
7.2	Road Transport	8.2	8.1	11.6	4.8	6.2	3.5
7.3	Services incidental to Transport	7.8	7.5	11.6	4.6	6.9	2.0
7.4	Storage	7.7	-3.2	-4.8	1.1	-1.0	-2.0
7.5	Communication & Services related to Broadcasting	0.9	22.0	11.1	17.9	-4.8	-6.6
8	Financial Services	11.9	9.9	11.1	15.1	9.8	-15.6
9	Real Estate, Ownership of Dwellings & Professional Services	13.5	17.0	6.9	9.4	9.2	5.4
10	Public Administration	4.7	0.5	12.7	3.1	6.1	13.1
11	Other Services	9.4	4.4	14.9	6.4	9.0	12.8
	Tertiary	10.6	10.1	10.4	10.8	8.6	5.6
12	Total GSVA at Basic Prices	7.1	7.6	6.0	9.7	9.9	5.2
13	Taxes on Products	14.9	6.4	9.4	17.1	13.1	6.1
14	Subsidies on Products	11.1	-15.6	-3.4	-32.0	-5.2	-15.9
15	Gross State Domestic Product	7.9	8.3	6.6	11.6	10.5	5.5
16	Population	1.4	1.4	1.4	1.4	1.4	1.4
17	Per Capita GSDP	6.3	6.8	5.1	10.0	8.9	4.1

Contd....

Percentage change in Gross State Value Added and Gross State Domestic Product by Economic Activity (at Constant Prices)

Sr. No.	Items	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13
1	Agriculture, Forestry and Fishing	8.8	5.3	-0.7	1.6	5.3
1.1	Crops	2.4	0.1	1.0	-0.1	4.4
1.2	Livestock	18.4	11.0	-3.4	3.3	5.7
1.3	Forestry & Logging	10.8	14.8	3.7	3.6	3.9
1.4	Fishing & Aquaculture	-2.0	1.4	9.5	1.2	21.7
2	Mining & Quarrying	-29.1	70.2	-8.0	-3.8	6.0
	Primary	8.3	5.9	-0.8	1.5	5.3
3	Manufacturing	15.6	-4.6	0.8	11.8	5.8
4	Electricity, Gas, Water Supply & Other Utility Services	-4.7	11.5	-8.2	9.3	8.8
5	Construction	9.0	1.4	-9.2	12.7	7.8
	Secondary	13.4	-2.7	-2.0	11.9	6.3
6	Trade, Repair, Hotels & Restaurants	10.6	7.4	-20.6	20.2	7.5
6.1	Trade & Repair Services	10.7	7.4	-19.7	20.3	7.5
6.2	Hotels & Restaurants	7.0	7.5	-55.3	12.0	10.2
7	Transport, Storage, Communication & Services related to Broadcasting	2.9	1.0	-17.0	14.0	18.1
7.1	Railways	-8.4	-10.1	-28.7	26.7	58.6
7.2	Road Transport	2.1	0.5	-24.3	16.9	17.0
7.3	Services incidental to Transport	2.9	1.0	3.0	16.9	17.0
7.4	Storage	12.7	10.9	9.7	-1.6	4.1
7.5	Communication & Services related to Broadcasting	13.1	8.7	1.0	2.7	4.9
8	Financial Services	30.0	-0.4	6.6	17.1	13.0
9	Real Estate, Ownership of Dwellings & Professional Services	5.7	3.4	-6.2	6.6	7.3
10	Public Administration	3.7	6.5	8.4	7.9	3.4
11	Other Services	3.5	7.8	3.8	8.3	2.9
	Tertiary	8.5	4.6	-9.0	12.4	8.4
12	Total GSVA at Basic Prices	10.0	2.4	-5.2	10.1	7.1
13	Taxes on Products	13.5	0.5	-8.5	15.2	6.5
14	Subsidies on Products	-2.1	5.1	59.9	-25.2	2.8
15	Gross State Domestic Product	10.6	2.1	-6.2	11.3	7.1
16	Population	1.4	1.4	1.4	1.4	1.4
17	Per Capita GSDP	9.0	0.7	-7.6	9.8	5.6

Table – 8
Index Number of Gross State Value Added and Gross State Domestic Product
by Economic Activity (at Current Prices)

(Base 2011-12=100)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	100.0	110.8	122.9	124.3	131.1	146.2
1.1	Crops	100.0	109.0	121.1	112.8	114.5	133.0
1.2	Livestock	100.0	114.3	131.4	154.3	173.9	190.0
1.3	Forestry & Logging	100.0	111.1	102.8	97.8	104.7	78.3
1.4	Fishing & Aquaculture	100.0	116.9	110.7	128.2	102.3	122.6
2	Mining & Quarrying	100.0	84.3	257.9	297.8	536.1	898.3
	Primary	100.0	110.7	123.1	124.6	131.9	147.6
3	Manufacturing	100.0	125.1	138.6	149.6	165.9	188.4
4	Electricity, Gas, Water Supply & Other Utility Services	100.0	187.9	287.3	326.2	412.4	429.1
5	Construction	100.0	102.2	120.0	123.1	121.3	132.2
	Secondary	100.0	119.7	138.1	147.5	160.4	178.7
6	Trade, Repair, Hotels & Restaurants	100.0	117.3	131.0	148.7	166.9	189.0
6.1	Trade & Repair Services	100.0	117.5	131.5	149.6	168.2	190.5
6.2	Hotels & Restaurants	100.0	109.9	118.7	123.7	134.6	147.5
7	Transport, Storage, Communication & Services related to Broadcasting	100.0	113.8	128.9	145.5	155.0	161.5
7.1	Railways	100.0	124.2	130.0	159.8	163.5	156.8
7.2	Road Transport	100.0	113.2	127.8	144.2	151.6	164.6
7.3	Services incidental to Transport	100.0	112.7	117.6	109.9	109.1	117.6
7.4	Storage	100.0	138.3	120.3	126.9	85.8	105.0
7.5	Communication & Services related to Broadcasting	100.0	105.9	136.8	154.0	182.5	177.8
8	Financial Services	100.0	113.4	127.3	143.9	169.6	185.9
9	Real Estate, Ownership of Dwellings & Professional Services	100.0	122.4	153.0	171.2	195.2	223.0
10	Public Administration	100.0	112.7	121.4	143.7	152.7	167.7
11	Other Services	100.0	116.6	130.6	158.8	177.9	204.0
	Tertiary	100.0	117.8	137.1	156.0	175.2	196.4
12	Total GSVA at Basic Prices	100.0	116.7	134.1	145.9	160.3	179.3
13	Taxes on Products	100.0	117.2	127.5	143.9	190.7	231.6
14	Subsidies on Products	100.0	121.1	109.1	108.2	73.7	71.1
15	Gross State Domestic Product	100.0	116.6	134.2	146.9	166.5	188.7
16	Population	100.0	101.4	102.9	104.3	105.8	107.3
17	Per Capita GSDP	100.0	115.0	130.5	140.8	157.4	175.9

Contd....

Index Number of Gross State Value Added and Gross State Domestic Product by Economic Activity (at Current Prices)

(Base 2011-12=100)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	165.9	187.6	201.5	209.5	230.2	261.3
1.1	Crops	144.8	152.7	158.8	164.7	181.9	210.6
1.2	Livestock	223.6	276.8	311.5	323.8	355.1	394.4
1.3	Forestry & Logging	107.3	118.3	116.8	122.9	132.7	139.4
1.4	Fishing & Aquaculture	164.1	201.6	202.3	222.8	225.3	298.5
2	Mining & Quarrying	893.4	733.0	1231.0	1122.8	1078.9	1143.0
	Primary	167.2	188.6	203.4	211.2	231.8	263.0
3	Manufacturing	206.4	247.8	241.5	248.2	298.0	330.3
4	Electricity, Gas, Water Supply & Other Utility Services	529.7	530.2	482.4	472.0	509.7	557.9
5	Construction	143.8	164.8	168.0	158.6	188.5	213.8
	Secondary	197.7	230.5	225.8	226.3	268.8	299.3
6	Trade, Repair, Hotels & Restaurants	217.5	250.6	273.3	219.7	299.2	359.4
6.1	Trade & Repair Services	219.8	253.4	276.4	224.7	306.3	367.7
6.2	Hotels & Restaurants	158.1	176.0	192.0	86.8	110.3	136.0
7	Transport, Storage, Communication & Services related to Broadcasting	165.5	179.0	161.8	154.0	226.2	278.9
7.1	Railways	152.1	142.1	155.4	137.1	222.7	281.7
7.2	Road Transport	173.9	191.7	150.7	132.3	215.5	272.3
7.3	Services incidental to Transport	120.2	111.8	110.7	107.0	173.9	219.7
7.4	Storage	189.1	224.4	283.2	273.2	231.7	263.5
7.5	Communication & Services related to Broadcasting	169.6	198.8	222.7	257.7	288.7	326.4
8	Financial Services	169.0	234.9	246.6	265.0	301.5	340.7
9	Real Estate, Ownership of Dwellings & Professional Services	246.0	273.2	295.4	294.2	330.8	382.3
10	Public Administration	197.5	211.2	233.8	265.5	302.4	339.4
11	Other Services	242.5	268.9	309.6	339.2	378.4	420.4
	Tertiary	216.5	246.1	263.8	254.6	308.0	359.0
12	Total GSVA at Basic Prices	198.9	227.6	237.6	235.4	277.6	317.5
13	Taxes on Products	300.3	244.9	264.2	324.7	357.4	402.7
14	Subsidies on Products	63.1	64.2	68.8	115.1	92.2	100.7
15	Gross State Domestic Product	214.7	234.9	246.1	249.3	292.6	334.1
16	Population	108.8	110.4	111.9	113.5	115.1	116.7
17	Per Capita GSDP	197.3	212.9	219.9	219.7	254.2	286.2

Table – 9
Index Number of Gross State Value Added and Gross State Domestic Product
by Economic Activity (at Constant Prices)

(Base 2011-12=100)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	100.0	98.0	100.8	98.5	102.3	110.4
1.1	Crops	100.0	94.3	95.8	88.0	89.4	99.8
1.2	Livestock	100.0	106.0	112.9	120.7	129.5	139.8
1.3	Forestry & Logging	100.0	96.8	94.4	100.1	102.3	73.7
1.4	Fishing & Aquaculture	100.0	105.2	99.6	104.9	116.9	137.3
2	Mining & Quarrying	100.0	77.4	229.2	278.5	585.1	1002.5
	Primary	100.0	98.0	101.0	98.8	103.2	112.1
3	Manufacturing	100.0	118.8	126.6	135.7	159.4	182.3
4	Electricity, Gas, Water Supply & Other Utility Services	100.0	97.9	84.7	94.8	85.9	103.4
5	Construction	100.0	92.8	103.1	101.3	99.4	105.9
	Secondary	100.0	109.0	116.8	122.2	135.8	152.9
6	Trade, Repair, Hotels & Restaurants	100.0	109.5	116.1	130.2	152.0	169.1
6.1	Trade & Repair Services	100.0	109.7	116.5	131.0	153.1	170.5
6.2	Hotels & Restaurants	100.0	102.6	105.1	108.2	122.5	131.9
7	Transport, Storage, Communication & Services related to Broadcasting	100.0	108.5	118.5	132.8	141.1	142.6
7.1	Railways	100.0	118.4	120.7	139.5	139.1	120.7
7.2	Road Transport	100.0	108.2	117.0	130.6	136.9	145.4
7.3	Services incidental to Transport	100.0	107.8	115.9	129.3	135.2	144.5
7.4	Storage	100.0	107.7	104.2	99.2	100.3	99.3
7.5	Communication & Services related to Broadcasting	100.0	100.9	123.1	136.8	161.2	153.5
8	Financial Services	100.0	111.9	122.9	136.5	157.1	172.4
9	Real Estate, Ownership of Dwellings & Professional Services	100.0	113.5	132.8	142.0	155.4	169.7
10	Public Administration	100.0	104.7	105.2	118.6	122.3	129.7
11	Other Services	100.0	109.4	114.1	131.2	139.5	152.1
	Tertiary	100.0	110.6	121.8	134.5	149.0	161.8
12	Total GSVA at Basic Prices	100.0	107.1	115.3	122.2	134.1	147.3
13	Taxes on Products	100.0	114.9	122.2	133.7	156.6	177.0
14	Subsidies on Products	100.0	111.1	93.8	90.6	61.6	58.4
15	Gross State Domestic Product	100.0	107.9	116.8	124.5	138.9	153.5
16	Population	100.0	101.4	102.9	104.3	105.8	107.3
17	Per Capita GSDP	100.0	106.3	113.6	119.4	131.3	143.1

Contd....

Index Number of Gross State Value Added and Gross State Domestic Product by Economic Activity (at Constant Prices)

(Base 2011-12=100)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	118.2	128.6	135.5	134.6	136.7	143.9
1.1	Crops	102.9	105.3	105.4	106.5	106.3	111.0
1.2	Livestock	155.0	183.5	203.6	196.7	203.2	214.9
1.3	Forestry & Logging	86.6	95.9	110.1	114.1	118.3	122.9
1.4	Fishing & Aquaculture	182.7	179.1	181.5	198.7	201.0	244.7
2	Mining & Quarrying	916.5	650.2	1106.5	1018.1	978.9	1037.8
	Primary	119.7	129.6	137.2	136.2	138.2	145.5
3	Manufacturing	185.8	214.9	205.1	206.6	231.0	244.3
4	Electricity, Gas, Water Supply & Other Utility Services	128.8	122.8	136.8	125.6	137.3	149.4
5	Construction	113.0	123.2	124.9	113.4	127.7	137.7
	Secondary	158.5	179.7	174.7	171.3	191.7	203.9
6	Trade, Repair, Hotels & Restaurants	189.2	209.3	224.8	178.5	214.6	230.6
6.1	Trade & Repair Services	191.2	211.6	227.3	182.5	219.6	236.0
6.2	Hotels & Restaurants	137.4	147.0	158.0	70.6	79.1	87.2
7	Transport, Storage, Communication & Services related to Broadcasting	143.0	147.1	148.6	123.3	140.6	166.0
7.1	Railways	114.7	105.0	94.4	67.3	85.2	135.2
7.2	Road Transport	150.5	153.6	154.4	116.9	136.7	159.9
7.3	Services incidental to Transport	147.4	151.6	153.1	157.7	184.4	215.8
7.4	Storage	97.3	109.6	121.6	133.3	131.2	136.6
7.5	Communication & Services related to Broadcasting	143.3	162.1	176.2	178.0	182.8	191.7
8	Financial Services	145.5	189.1	188.4	200.8	235.2	265.8
9	Real Estate, Ownership of Dwellings & Professional Services	178.9	189.2	195.7	183.4	195.5	209.8
10	Public Administration	146.6	152.0	161.9	175.6	189.5	196.0
11	Other Services	171.6	177.6	191.4	198.7	215.3	221.5
	Tertiary	170.8	185.3	193.8	176.4	198.4	214.9
12	Total GSVA at Basic Prices	154.9	170.4	174.4	165.3	182.1	195.1
13	Taxes on Products	187.8	213.0	214.2	196.0	225.7	240.4
14	Subsidies on Products	49.1	48.1	50.5	80.8	60.5	62.2
15	Gross State Domestic Product	162.0	179.1	182.9	171.5	190.9	204.5
16	Population	108.8	110.4	111.9	113.5	115.1	116.7
17	Per Capita GSDP	148.9	162.3	163.4	151.1	165.9	175.2

Table – 10
Net State Value Added and Net State Domestic Product
by Economic Activity (at Current Prices)

(₹ Crore)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	60908.65	67290.49	74331.88	74595.23	78604.49	87859.14
1.1	Crops	37656.09	40830.22	45056.39	41088.73	41355.82	48430.53
1.2	Livestock	18642.73	21292.32	24467.34	28753.16	32454.51	35481.30
1.3	Forestry & Logging	3852.31	4277.32	3958.16	3769.88	4039.86	3027.09
1.4	Fishing & Aquaculture	757.53	890.63	849.99	983.46	754.30	920.23
2	Mining & Quarrying	104.15	87.02	262.41	300.41	533.00	906.96
	Primary	61012.80	67377.51	74594.29	74895.63	79137.49	88766.10
3	Manufacturing	44547.29	55446.70	63817.31	67067.94	74026.04	85010.89
4	Electricity, Gas, Water Supply & Other Utility Services	2290.48	4415.83	6506.94	7284.49	9568.84	9848.36
5	Construction	28390.51	28863.92	33550.27	34470.62	33940.42	36941.10
	Secondary	75228.28	88726.45	103874.51	108823.05	117535.29	131800.34
6	Trade, Repair, Hotels & Restaurants	31625.15	36984.48	41170.60	46697.79	52061.58	58903.92
6.1	Trade & Repair Services	30486.37	35736.75	39847.84	45321.16	50603.16	57302.69
6.2	Hotels & Restaurants	1138.78	1247.73	1322.76	1376.64	1458.42	1601.23
7	Transport, Storage, Communication & Services related to Broadcasting	14977.04	17086.75	18780.61	21112.97	22640.64	23403.98
7.1	Railways	1764.70	2236.74	2170.19	2540.68	2617.54	2372.41
7.2	Road Transport	9352.22	10609.62	11928.69	13530.76	14319.85	15453.43
7.3	Services incidental to Transport	1296.26	1464.61	1426.66	1349.08	1329.43	1423.35
7.4	Storage	102.62	143.03	121.65	128.26	87.25	106.53
7.5	Communication & Services related to Broadcasting	2461.25	2632.75	3133.42	3564.19	4286.57	4048.27
8	Financial Services	11472.52	12979.82	14591.73	16468.74	19366.11	21183.35
9	Real Estate, Ownership of Dwellings & Professional Services	35776.55	43716.07	54921.09	60397.98	69174.53	79182.38
10	Public Administration	5634.46	6395.84	6932.96	8291.34	8930.38	9906.69
11	Other Services	11961.79	13948.57	15629.27	19032.24	21043.80	24153.10
	Tertiary	111447.51	131111.53	152026.26	172001.07	193217.03	216733.42
12	Total NSVA at Basic Prices	247688.59	287215.49	330495.06	355719.75	389889.82	437299.86
13	Taxes on Products	33212.10	38941.11	42334.16	47775.64	63350.00	76906.39
14	Subsidies on Products	9748.21	11803.58	10632.81	10545.20	7180.80	6930.10
15	Net State Domestic Product	271152.48	314353.02	362196.41	392950.19	446059.02	507276.15
16	Population (000)	25560	25922	26290	26662	27040	27423
17	Per Capita NSDP (₹)	106085	121269	137770	147382	164963	184982

Contd....

Net State Value Added and Net State Domestic Product by Economic Activity (at Current Prices)

(₹ Crore)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	100023.38	113483.87	121759.74	126153.79	139212.49	154334.50
1.1	Crops	52843.42	55544.49	57344.79	59035.02	65884.20	72805.17
1.2	Livestock	41791.43	51763.67	58294.37	60605.10	66432.32	73797.21
1.3	Forestry & Logging	4139.81	4567.44	4507.58	4741.70	5120.80	5379.42
1.4	Fishing & Aquaculture	1248.71	1608.27	1613.00	1771.97	1775.18	2352.68
2	Mining & Quarrying	934.29	734.49	1203.62	1056.49	1015.17	1075.54
	Primary	100957.66	114218.36	122963.35	127210.28	140227.66	155410.03
3	Manufacturing	94020.45	112424.61	108740.92	111351.52	134016.11	148545.34
4	Electricity, Gas, Water Supply & Other Utility Services	12674.70	12423.36	11541.13	10929.50	11801.84	12918.20
5	Construction	40048.34	45786.41	46227.42	43121.97	51781.49	58719.95
	Secondary	146743.49	170634.38	166509.46	165403.00	197599.43	220183.50
6	Trade, Repair, Hotels & Restaurants	68058.39	77715.99	84645.68	66368.99	90399.26	108573.29
6.1	Trade & Repair Services	66291.55	75813.88	82581.69	65575.70	89390.43	107329.66
6.2	Hotels & Restaurants	1766.84	1902.11	2063.98	793.29	1008.83	1243.63
7	Transport, Storage, Communication & Services related to Broadcasting	23136.63	24675.44	20783.74	19276.59	28621.18	35236.78
7.1	Railways	1876.57	1508.52	1466.61	1313.61	2120.52	2681.85
7.2	Road Transport	16052.80	17701.56	13360.20	11319.34	18771.50	23714.87
7.3	Services incidental to Transport	1443.01	1313.99	1280.08	1181.51	2033.27	2568.72
7.4	Storage	191.19	245.18	307.48	291.97	242.37	260.38
7.5	Communication & Services related to Broadcasting	3573.07	3906.19	4369.37	5170.16	5453.51	6010.95
8	Financial Services	19256.60	25597.38	28093.26	30138.64	34304.41	38763.98
9	Real Estate, Ownership of Dwellings & Professional Services	87052.47	96685.85	104809.53	103311.27	117101.35	135650.98
10	Public Administration	11820.32	12731.80	14189.47	16143.00	16575.33	18105.34
11	Other Services	29067.46	31703.89	36511.53	40080.44	44638.85	49456.97
	Tertiary	238391.87	269110.35	289033.21	275318.94	331640.38	385787.35
12	Total NSVA at Basic Prices	486093.02	553963.09	578506.02	567932.21	669467.47	761380.88
13	Taxes on Products	99742.03	81351.99	87750.80	107825.14	118715.48	133744.86
14	Subsidies on Products	6150.15	6260.49	6708.26	11216.20	8986.01	9817.78
15	Net State Domestic Product	579684.90	629054.59	659548.56	664541.15	779196.94	885307.96
16	Population (000)	27811	28206	28606	29011	29422	29840
17	Per Capita NSDP (₹)	208437	223022	230563	229065	264835	296685

Table – 11
Net State Value Added and Net State Domestic Product
by Economic Activity (at Constant Prices)

(₹ Crore)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	60908.65	59352.77	60753.61	58968.30	61243.77	66278.16
1.1	Crops	37656.09	35088.82	35334.49	31857.80	32292.84	36323.29
1.2	Livestock	18642.73	19739.91	21014.53	22448.57	24105.05	26043.25
1.3	Forestry & Logging	3852.31	3727.35	3637.34	3864.98	3950.64	2851.21
1.4	Fishing & Aquaculture	757.53	796.68	767.25	796.96	895.24	1060.41
2	Mining & Quarrying	104.15	79.45	232.08	284.86	608.16	1059.03
	Primary	61012.80	59432.22	60985.69	59253.17	61851.93	67337.20
3	Manufacturing	44547.29	52530.32	58048.55	60954.52	72077.08	83353.98
4	Electricity, Gas, Water Supply & Other Utility Services	2290.48	1389.98	1201.88	1346.32	1219.77	1467.39
5	Construction	28390.51	26126.69	28645.70	28152.56	27582.54	29218.31
	Secondary	75228.28	80046.99	87896.13	90453.40	100879.39	114039.68
6	Trade, Repair, Hotels & Restaurants	31625.15	34511.59	36432.98	40884.83	47453.56	52736.10
6.1	Trade & Repair Services	30486.37	33347.16	35265.28	39681.31	46123.96	51302.93
6.2	Hotels & Restaurants	1138.78	1164.42	1167.71	1203.52	1329.60	1433.18
7	Transport, Storage, Communication & Services related to Broadcasting	14977.04	16295.43	17208.62	19377.66	20749.07	20710.34
7.1	Railways	1764.70	2151.40	2034.21	2223.86	2192.65	1661.26
7.2	Road Transport	9352.22	10142.43	10913.13	12229.45	12902.78	13615.96
7.3	Services incidental to Transport	1296.26	1400.11	1415.03	1640.11	1715.94	1825.08
7.4	Storage	102.62	107.73	104.47	98.20	106.30	101.97
7.5	Communication & Services related to Broadcasting	2461.25	2493.75	2741.78	3186.05	3831.39	3506.07
8	Financial Services	11472.52	12724.48	14092.45	15637.37	17962.81	19677.91
9	Real Estate, Ownership of Dwellings & Professional Services	35776.55	40481.76	47369.23	49851.67	54539.11	59326.63
10	Public Administration	5634.46	5885.56	5886.36	6674.18	6910.45	7344.82
11	Other Services	11961.79	13066.86	13611.78	15661.56	16357.14	17783.77
	Tertiary	111447.51	122965.67	134601.43	148087.28	163972.14	177579.58
12	Total NSVA at Basic Prices	247688.59	262444.88	283483.24	297793.85	326703.45	358956.45
13	Taxes on Products	33212.10	38144.72	40590.76	44398.08	52001.97	58789.64
14	Subsidies on Products	9748.21	10833.38	9142.81	8832.68	6005.18	5691.48
15	Net State Domestic Product	271152.48	289756.22	314931.20	333359.25	372700.25	412054.61
16	Population (000)	25560	25922	26290	26662	27040	27423
17	Per Capita NSDP (₹)	106085	111780	119791	125032	137833	150259

Contd....

Net State Value Added and Net State Domestic Product by Economic Activity (at Constant Prices)

(₹ Crore)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	71019.61	77489.18	81596.80	80735.55	82123.14	86492.19
1.1	Crops	37352.74	38098.36	37855.14	38000.53	38005.63	39667.31
1.2	Livestock	28900.29	34256.95	38032.19	36732.87	37941.42	40120.92
1.3	Forestry & Logging	3341.20	3703.29	4255.64	4412.49	4571.12	4750.41
1.4	Fishing & Aquaculture	1425.37	1430.58	1453.81	1589.66	1604.98	1953.55
2	Mining & Quarrying	986.90	666.59	1119.61	1007.05	968.35	1026.60
	Primary	72006.51	78155.78	82716.40	81742.60	83091.49	87518.79
3	Manufacturing	85024.60	97867.43	92651.23	92918.36	104485.87	110540.31
4	Electricity, Gas, Water Supply & Other Utility Services	1829.19	1742.95	1942.94	1783.52	1949.39	2120.94
5	Construction	31035.63	33659.12	33686.42	30009.21	34393.58	37064.89
	Secondary	117889.42	133269.50	128280.59	124711.09	140828.84	149726.14
6	Trade, Repair, Hotels & Restaurants	59285.06	65030.97	69736.34	54111.63	66748.63	71747.03
6.1	Trade & Repair Services	57745.74	63436.06	68031.59	53457.51	65890.32	70800.80
6.2	Hotels & Restaurants	1539.31	1594.90	1704.75	654.12	858.31	946.22
7	Transport, Storage, Communication & Services related to Broadcasting	20059.75	20227.00	20340.39	15914.21	18910.56	21820.60
7.1	Railways	1252.10	959.67	850.75	606.52	768.31	1218.23
7.2	Road Transport	13847.29	14068.78	14024.55	10192.45	12355.49	14457.11
7.3	Services incidental to Transport	1855.75	1912.95	1922.75	1704.44	2315.73	2709.63
7.4	Storage	87.17	112.78	120.81	132.73	130.22	136.65
7.5	Communication & Services related to Broadcasting	3017.45	3172.82	3421.53	3278.06	3340.80	3298.98
8	Financial Services	16603.65	20435.04	21429.28	22812.27	26730.02	30204.93
9	Real Estate, Ownership of Dwellings & Professional Services	62237.00	65796.34	67841.52	62280.04	67928.78	72703.64
10	Public Administration	8414.84	8809.71	9417.92	10168.82	9844.71	9962.21
11	Other Services	20333.08	20589.75	22086.76	22913.23	24838.23	25493.82
	Tertiary	186933.38	200888.81	210852.22	188200.20	215000.92	231932.23
12	Total NSVA at Basic Prices	376829.30	412314.09	421849.21	394653.90	438921.25	469177.15
13	Taxes on Products	62365.63	70755.38	71141.09	65086.19	74963.22	79853.34
14	Subsidies on Products	4787.77	4685.74	4925.04	7876.15	5892.96	6058.67
15	Net State Domestic Product	434407.17	478383.74	488065.26	451863.94	507991.51	542971.82
16	Population (000)	27811	28206	28606	29011	29422	29840
17	Per Capita NSDP (₹)	156200	169604	170616	155756	172657	181961

Table – 12
Composition of Net State Value Added by Economic Activity
(at Current Prices)

		(Percent)					
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	24.6	23.4	22.5	21.0	20.2	20.1
1.1	Crops	15.2	14.2	13.6	11.6	10.6	11.1
1.2	Livestock	7.5	7.4	7.4	8.1	8.3	8.1
1.3	Forestry & Logging	1.6	1.5	1.2	1.1	1.0	0.7
1.4	Fishing & Aquaculture	0.3	0.3	0.3	0.3	0.2	0.2
2	Mining & Quarrying	0.0	0.0	0.1	0.1	0.1	0.2
	Primary	24.6	23.5	22.6	21.1	20.3	20.3
3	Manufacturing	18.0	19.3	19.3	18.9	19.0	19.4
4	Electricity, Gas, Water Supply & Other Utility Services	0.9	1.5	2.0	2.0	2.5	2.3
5	Construction	11.5	10.0	10.2	9.7	8.7	8.4
	Secondary	30.4	30.9	31.4	30.6	30.1	30.1
6	Trade, Repair, Hotels & Restaurants	12.8	12.9	12.5	13.1	13.4	13.5
6.1	Trade & Repair Services	12.3	12.4	12.1	12.7	13.0	13.1
6.2	Hotels & Restaurants	0.5	0.4	0.4	0.4	0.4	0.4
7	Transport, Storage, Communication & Services related to Broadcasting	6.0	5.9	5.7	5.9	5.8	5.4
7.1	Railways	0.7	0.8	0.7	0.7	0.7	0.5
7.2	Road Transport	3.8	3.7	3.6	3.8	3.7	3.5
7.3	Services incidental to Transport	0.5	0.5	0.4	0.4	0.3	0.3
7.4	Storage	0.0	0.0	0.0	0.0	0.0	0.0
7.5	Communication & Services related to Broadcasting	1.0	0.9	0.9	1.0	1.1	0.9
8	Financial Services	4.6	4.5	4.4	4.6	5.0	4.8
9	Real Estate, Ownership of Dwellings & Professional Services	14.4	15.2	16.6	17.0	17.7	18.1
10	Public Administration	2.3	2.2	2.1	2.3	2.3	2.3
11	Other Services	4.8	4.9	4.7	5.4	5.4	5.5
	Tertiary	45.0	45.6	46.0	48.4	49.6	49.6
12	Total NSVA at Basic Prices	100.0	100.0	100.0	100.0	100.0	100.0

Contd....

Composition of Net State Value Added by Economic Activity (at Current Prices)

(Percent)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	20.6	20.5	21.0	22.2	20.8	20.3
1.1	Crops	10.9	10.0	9.9	10.4	9.8	9.6
1.2	Livestock	8.6	9.3	10.1	10.7	9.9	9.7
1.3	Forestry & Logging	0.9	0.8	0.8	0.8	0.8	0.7
1.4	Fishing & Aquaculture	0.3	0.3	0.3	0.3	0.3	0.3
2	Mining & Quarrying	0.2	0.1	0.2	0.2	0.2	0.1
	Primary	20.8	20.6	21.3	22.4	20.9	20.4
3	Manufacturing	19.3	20.3	18.8	19.6	20.0	19.5
4	Electricity, Gas, Water Supply & Other Utility Services	2.6	2.2	2.0	1.9	1.8	1.7
5	Construction	8.2	8.3	8.0	7.6	7.7	7.7
	Secondary	30.2	30.8	28.8	29.1	29.5	28.9
6	Trade, Repair, Hotels & Restaurants	14.0	14.0	14.6	11.7	13.5	14.3
6.1	Trade & Repair Services	13.6	13.7	14.3	11.5	13.4	14.1
6.2	Hotels & Restaurants	0.4	0.3	0.4	0.1	0.2	0.2
7	Transport, Storage, Communication & Services related to Broadcasting	4.8	4.5	3.6	3.4	4.3	4.6
7.1	Railways	0.4	0.3	0.3	0.2	0.3	0.4
7.2	Road Transport	3.3	3.2	2.3	2.0	2.8	3.1
7.3	Services incidental to Transport	0.3	0.2	0.2	0.2	0.3	0.3
7.4	Storage	0.0	0.0	0.1	0.1	0.0	0.0
7.5	Communication & Services related to Broadcasting	0.7	0.7	0.8	0.9	0.8	0.8
8	Financial Services	4.0	4.6	4.9	5.3	5.1	5.1
9	Real Estate, Ownership of Dwellings & Professional Services	17.9	17.5	18.1	18.2	17.5	17.8
10	Public Administration	2.4	2.3	2.5	2.8	2.5	2.4
11	Other Services	6.0	5.7	6.3	7.1	6.7	6.5
	Tertiary	49.0	48.6	50.0	48.5	49.5	50.7
12	Total NSVA at Basic Prices	100.0	100.0	100.0	100.0	100.0	100.0

Table – 13
Composition of Net State Value Added by Economic Activity
(at Constant Prices)

(Percent)							
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	24.6	22.6	21.4	19.8	18.7	18.5
1.1	Crops	15.2	13.4	12.5	10.7	9.9	10.1
1.2	Livestock	7.5	7.5	7.4	7.5	7.4	7.3
1.3	Forestry & Logging	1.6	1.4	1.3	1.3	1.2	0.8
1.4	Fishing & Aquaculture	0.3	0.3	0.3	0.3	0.3	0.3
2	Mining & Quarrying	0.0	0.0	0.1	0.1	0.2	0.3
	Primary	24.6	22.6	21.5	19.9	18.9	18.8
3	Manufacturing	18.0	20.0	20.5	20.5	22.1	23.2
4	Electricity, Gas, Water Supply & Other Utility Services	0.9	0.5	0.4	0.5	0.4	0.4
5	Construction	11.5	10.0	10.1	9.5	8.4	8.1
	Secondary	30.4	30.5	31.0	30.4	30.9	31.8
6	Trade, Repair, Hotels & Restaurants	12.8	13.2	12.9	13.7	14.5	14.7
6.1	Trade & Repair Services	12.3	12.7	12.4	13.3	14.1	14.3
6.2	Hotels & Restaurants	0.5	0.4	0.4	0.4	0.4	0.4
7	Transport, Storage, Communication & Services related to Broadcasting	6.0	6.2	6.1	6.5	6.4	5.8
7.1	Railways	0.7	0.8	0.7	0.7	0.7	0.5
7.2	Road Transport	3.8	3.9	3.8	4.1	3.9	3.8
7.3	Services incidental to Transport	0.5	0.5	0.5	0.6	0.5	0.5
7.4	Storage	0.0	0.0	0.0	0.0	0.0	0.0
7.5	Communication & Services related to Broadcasting	1.0	1.0	1.0	1.1	1.2	1.0
8	Financial Services	4.6	4.8	5.0	5.3	5.5	5.5
9	Real Estate, Ownership of Dwellings & Professional Services	14.4	15.4	16.7	16.7	16.7	16.5
10	Public Administration	2.3	2.2	2.1	2.2	2.1	2.0
11	Other Services	4.8	5.0	4.8	5.3	5.0	5.0
	Tertiary	45.0	46.9	47.5	49.7	50.2	49.5
12	Total NSVA at Basic Prices	100.0	100.0	100.0	100.0	100.0	100.0

Contd....

**Composition of Net State Value Added by Economic Activity
(at Constant Prices)**

(Percent)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	18.8	18.8	19.3	20.5	18.7	18.4
1.1	Crops	9.9	9.2	9.0	9.6	8.7	8.5
1.2	Livestock	7.7	8.3	9.0	9.3	8.6	8.6
1.3	Forestry & Logging	0.9	0.9	1.0	1.1	1.0	1.0
1.4	Fishing & Aquaculture	0.4	0.3	0.3	0.4	0.4	0.4
2	Mining & Quarrying	0.3	0.2	0.3	0.3	0.2	0.2
	Primary	19.1	19.0	19.6	20.7	18.9	18.7
3	Manufacturing	22.6	23.7	22.0	23.5	23.8	23.6
4	Electricity, Gas, Water Supply & Other Utility Services	0.5	0.4	0.5	0.5	0.4	0.5
5	Construction	8.2	8.2	8.0	7.6	7.8	7.9
	Secondary	31.3	32.3	30.4	31.6	32.1	31.9
6	Trade, Repair, Hotels & Restaurants	15.7	15.8	16.5	13.7	15.2	15.3
6.1	Trade & Repair Services	15.3	15.4	16.1	13.5	15.0	15.1
6.2	Hotels & Restaurants	0.4	0.4	0.4	0.2	0.2	0.2
7	Transport, Storage, Communication & Services related to Broadcasting	5.3	4.9	4.8	4.0	4.3	4.7
7.1	Railways	0.3	0.2	0.2	0.2	0.2	0.3
7.2	Road Transport	3.7	3.4	3.3	2.6	2.8	3.1
7.3	Services incidental to Transport	0.5	0.5	0.5	0.4	0.5	0.6
7.4	Storage	0.0	0.0	0.0	0.0	0.0	0.0
7.5	Communication & Services related to Broadcasting	0.8	0.8	0.8	0.8	0.8	0.7
8	Financial Services	4.4	5.0	5.1	5.8	6.1	6.4
9	Real Estate, Ownership of Dwellings & Professional Services	16.5	16.0	16.1	15.8	15.5	15.5
10	Public Administration	2.2	2.1	2.2	2.6	2.2	2.1
11	Other Services	5.4	5.0	5.2	5.8	5.7	5.4
	Tertiary	49.6	48.7	50.0	47.7	49.0	49.4
12	Total NSVA at Basic Prices	100.0	100.0	100.0	100.0	100.0	100.0

Table – 14
Percentage change in Net State Value Added and Net State Domestic Product
by Economic Activity (at Current Prices)

Sr. No.	Items	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	10.5	10.5	0.4	5.4	11.8	13.8
1.1	Crops	8.4	10.4	-8.8	0.7	17.1	9.1
1.2	Livestock	14.2	14.9	17.5	12.9	9.3	17.8
1.3	Forestry & Logging	11.0	-7.5	-4.8	7.2	-25.1	36.8
1.4	Fishing & Aquaculture	17.6	-4.6	15.7	-23.3	22.0	35.7
2	Mining & Quarrying	-16.4	201.5	14.5	77.4	70.2	3.0
	Primary	10.4	10.7	0.4	5.7	12.2	13.7
3	Manufacturing	24.5	15.1	5.1	10.4	14.8	10.6
4	Electricity, Gas, Water Supply & Other Utility Services	92.8	47.4	11.9	31.4	2.9	28.7
5	Construction	1.7	16.2	2.7	-1.5	8.8	8.4
	Secondary	17.9	17.1	4.8	8.0	12.1	11.3
6	Trade, Repair, Hotels & Restaurants	16.9	11.3	13.4	11.5	13.1	15.5
6.1	Trade & Repair Services	17.2	11.5	13.7	11.7	13.2	15.7
6.2	Hotels & Restaurants	9.6	6.0	4.1	5.9	9.8	10.3
7	Transport, Storage, Communication & Services related to Broadcasting	14.1	9.9	12.4	7.2	3.4	-1.1
7.1	Railways	26.7	-3.0	17.1	3.0	-9.4	-20.9
7.2	Road Transport	13.4	12.4	13.4	5.8	7.9	3.9
7.3	Services incidental to Transport	13.0	-2.6	-5.4	-1.5	7.1	1.4
7.4	Storage	39.4	-14.9	5.4	-32.0	22.1	79.5
7.5	Communication & Services related to Broadcasting	7.0	19.0	13.7	20.3	-5.6	-11.7
8	Financial Services	13.1	12.4	12.9	17.6	9.4	-9.1
9	Real Estate, Ownership of Dwellings & Professional Services	22.2	25.6	10.0	14.5	14.5	9.9
10	Public Administration	13.5	8.4	19.6	7.7	10.9	19.3
11	Other Services	16.6	12.0	21.8	10.6	14.8	20.3
	Tertiary	17.6	16.0	13.1	12.3	12.2	10.0
12	Total NSVA at Basic Prices	16.0	15.1	7.6	9.6	12.2	11.2
13	Taxes on Products	17.2	8.7	12.9	32.6	21.4	29.7
14	Subsidies on Products	21.1	-9.9	-0.8	-31.9	-3.5	-11.3
15	Net State Domestic Product	15.9	15.2	8.5	13.5	13.7	14.3
16	Population	1.4	1.4	1.4	1.4	1.4	1.4
17	Per Capita NSDP	14.3	13.6	7.0	11.9	12.1	12.7

Contd....

**Percentage change in Net State Value Added and Net State Domestic Product
by Economic Activity (at Current Prices)**

Sr. No.	Items	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13
1	Agriculture, Forestry and Fishing	13.5	7.3	3.6	10.4	10.9
1.1	Crops	5.1	3.2	2.9	11.6	10.5
1.2	Livestock	23.9	12.6	4.0	9.6	11.1
1.3	Forestry & Logging	10.3	-1.3	5.2	8.0	5.1
1.4	Fishing & Aquaculture	28.8	0.3	9.9	0.2	32.5
2	Mining & Quarrying	-21.4	63.9	-12.2	-3.9	5.9
	Primary	13.1	7.7	3.5	10.2	10.8
3	Manufacturing	19.6	-3.3	2.4	20.4	10.8
4	Electricity, Gas, Water Supply & Other Utility Services	-2.0	-7.1	-5.3	8.0	9.5
5	Construction	14.3	1.0	-6.7	20.1	13.4
	Secondary	16.3	-2.4	-0.7	19.5	11.4
6	Trade, Repair, Hotels & Restaurants	14.2	8.9	-21.6	36.2	20.1
6.1	Trade & Repair Services	14.4	8.9	-20.6	36.3	20.1
6.2	Hotels & Restaurants	7.7	8.5	-61.6	27.2	23.3
7	Transport, Storage, Communication & Services related to Broadcasting	6.7	-15.8	-7.3	48.5	23.1
7.1	Railways	-19.6	-2.8	-10.4	61.4	26.5
7.2	Road Transport	10.3	-24.5	-15.3	65.8	26.3
7.3	Services incidental to Transport	-8.9	-2.6	-7.7	72.1	26.3
7.4	Storage	28.2	25.4	-5.0	-17.0	7.4
7.5	Communication & Services related to Broadcasting	9.3	11.9	18.3	5.5	10.2
8	Financial Services	32.9	9.8	7.3	13.8	13.0
9	Real Estate, Ownership of Dwellings & Professional Services	11.1	8.4	-1.4	13.3	15.8
10	Public Administration	7.7	11.4	13.8	2.7	9.2
11	Other Services	9.1	15.2	9.8	11.4	10.8
	Tertiary	12.9	7.4	-4.7	20.5	16.3
12	Total NSVA at Basic Prices	14.0	4.4	-1.8	17.9	13.7
13	Taxes on Products	-18.4	7.9	22.9	10.1	12.7
14	Subsidies on Products	1.8	7.2	67.2	-19.9	9.3
15	Net State Domestic Product	8.5	4.8	0.8	17.3	13.6
16	Population	1.4	1.4	1.4	1.4	1.4
17	Per Capita NSDP	7.0	3.4	-0.6	15.6	12.0

Table – 15
Percentage change in Net State Value Added and Net State Domestic Product
by Economic Activity (at Constant Prices)

Sr. No.	Items	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	-2.6	2.4	-2.9	3.9	8.2	7.2
1.1	Crops	-6.8	0.7	-9.8	1.4	12.5	2.8
1.2	Livestock	5.9	6.5	6.8	7.4	8.0	11.0
1.3	Forestry & Logging	-3.2	-2.4	6.3	2.2	-27.8	17.2
1.4	Fishing & Aquaculture	5.2	-3.7	3.9	12.3	18.4	34.4
2	Mining & Quarrying	-23.7	192.1	22.7	113.5	74.1	-6.8
	Primary	-2.6	2.6	-2.8	4.4	8.9	6.9
3	Manufacturing	17.9	10.5	5.0	18.2	15.6	2.0
4	Electricity, Gas, Water Supply & Other Utility Services	-39.3	-13.5	12.0	-9.4	20.3	24.7
5	Construction	-8.0	9.6	-1.7	-2.0	5.9	6.2
	Secondary	6.4	9.8	2.9	11.5	13.0	3.4
6	Trade, Repair, Hotels & Restaurants	9.1	5.6	12.2	16.1	11.1	12.4
6.1	Trade & Repair Services	9.4	5.8	12.5	16.2	11.2	12.6
6.2	Hotels & Restaurants	2.3	0.3	3.1	10.5	7.8	7.4
7	Transport, Storage, Communication & Services related to Broadcasting	8.8	5.6	12.6	7.1	-0.2	-3.1
7.1	Railways	21.9	-5.4	9.3	-1.4	-24.2	-24.6
7.2	Road Transport	8.4	7.6	12.1	5.5	5.5	1.7
7.3	Services incidental to Transport	8.0	1.1	15.9	4.6	6.4	1.7
7.4	Storage	5.0	-3.0	-6.0	8.3	-4.1	-14.5
7.5	Communication & Services related to Broadcasting	1.3	9.9	16.2	20.3	-8.5	-13.9
8	Financial Services	10.9	10.8	11.0	14.9	9.5	-15.6
9	Real Estate, Ownership of Dwellings & Professional Services	13.2	17.0	5.2	9.4	8.8	4.9
10	Public Administration	4.5	0.0	13.4	3.5	6.3	14.6
11	Other Services	9.2	4.2	15.1	4.4	8.7	14.3
	Tertiary	10.3	9.5	10.0	10.7	8.3	5.3
12	Total NSVA at Basic Prices	6.0	8.0	5.0	9.7	9.9	5.0
13	Taxes on Products	14.9	6.4	9.4	17.1	13.1	6.1
14	Subsidies on Products	11.1	-15.6	-3.4	-32.0	-5.2	-15.9
15	Net State Domestic Product	6.9	8.7	5.9	11.8	10.6	5.4
16	Population	1.4	1.4	1.4	1.4	1.4	1.4
17	Per Capita NSDP	5.4	7.2	4.4	10.2	9.0	4.0

Contd....

**Percentage change in Net State Value Added and Net State Domestic Product
by Economic Activity (at Constant Prices)**

Sr. No.	Items	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13
1	Agriculture, Forestry and Fishing	9.1	5.3	-1.1	1.7	5.3
1.1	Crops	2.0	-0.6	0.4	0.0	4.4
1.2	Livestock	18.5	11.0	-3.4	3.3	5.7
1.3	Forestry & Logging	10.8	14.9	3.7	3.6	3.9
1.4	Fishing & Aquaculture	0.4	1.6	9.3	1.0	21.7
2	Mining & Quarrying	-32.5	68.0	-10.1	-3.8	6.0
	Primary	8.5	5.8	-1.2	1.7	5.3
3	Manufacturing	15.1	-5.3	0.3	12.4	5.8
4	Electricity, Gas, Water Supply & Other Utility Services	-4.7	11.5	-8.2	9.3	8.8
5	Construction	8.5	0.1	-10.9	14.6	7.8
	Secondary	13.0	-3.7	-2.8	12.9	6.3
6	Trade, Repair, Hotels & Restaurants	9.7	7.2	-22.4	23.4	7.5
6.1	Trade & Repair Services	9.9	7.2	-21.4	23.3	7.5
6.2	Hotels & Restaurants	3.6	6.9	-61.6	31.2	10.2
7	Transport, Storage, Communication & Services related to Broadcasting	0.8	0.6	-21.8	18.8	15.4
7.1	Railways	-23.4	-11.3	-28.7	26.7	58.6
7.2	Road Transport	1.6	-0.3	-27.3	21.2	17.0
7.3	Services incidental to Transport	3.1	0.5	-11.4	35.9	17.0
7.4	Storage	29.4	7.1	9.9	-1.9	4.9
7.5	Communication & Services related to Broadcasting	5.1	7.8	-4.2	1.9	-1.3
8	Financial Services	23.1	4.9	6.5	17.2	13.0
9	Real Estate, Ownership of Dwellings & Professional Services	5.7	3.1	-8.2	9.1	7.0
10	Public Administration	4.7	6.9	8.0	-3.2	1.2
11	Other Services	1.3	7.3	3.7	8.4	2.6
	Tertiary	7.5	5.0	-10.7	14.2	7.9
12	Total NSVA at Basic Prices	9.4	2.3	-6.4	11.2	6.9
13	Taxes on Products	13.5	0.5	-8.5	15.2	6.5
14	Subsidies on Products	-2.1	5.1	59.9	-25.2	2.8
15	Net State Domestic Product	10.1	2.0	-7.4	12.4	6.9
16	Population	1.4	1.4	1.4	1.4	1.4
17	Per Capita NSDP	8.6	0.6	-8.7	10.9	5.4

Table – 16
Index Number of Net State Value Added and Net State Domestic Product
by Economic Activity (at Current Prices)

(Base 2011-12=100)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	100.0	110.5	122.0	122.5	129.1	144.2
1.1	Crops	100.0	108.4	119.7	109.1	109.8	128.6
1.2	Livestock	100.0	114.2	131.2	154.2	174.1	190.3
1.3	Forestry & Logging	100.0	111.0	102.7	97.9	104.9	78.6
1.4	Fishing & Aquaculture	100.0	117.6	112.2	129.8	99.6	121.5
2	Mining & Quarrying	100.0	83.6	251.9	288.4	511.7	870.8
	Primary	100.0	110.4	122.3	122.8	129.7	145.5
3	Manufacturing	100.0	124.5	143.3	150.6	166.2	190.8
4	Electricity, Gas, Water Supply & Other Utility Services	100.0	192.8	284.1	318.0	417.8	430.0
5	Construction	100.0	101.7	118.2	121.4	119.5	130.1
	Secondary	100.0	117.9	138.1	144.7	156.2	175.2
6	Trade, Repair, Hotels & Restaurants	100.0	116.9	130.2	147.7	164.6	186.3
6.1	Trade & Repair Services	100.0	117.2	130.7	148.7	166.0	188.0
6.2	Hotels & Restaurants	100.0	109.6	116.2	120.9	128.1	140.6
7	Transport, Storage, Communication & Services related to Broadcasting	100.0	114.1	125.4	141.0	151.2	156.3
7.1	Railways	100.0	126.7	123.0	144.0	148.3	134.4
7.2	Road Transport	100.0	113.4	127.5	144.7	153.1	165.2
7.3	Services incidental to Transport	100.0	113.0	110.1	104.1	102.6	109.8
7.4	Storage	100.0	139.4	118.5	125.0	85.0	103.8
7.5	Communication & Services related to Broadcasting	100.0	107.0	127.3	144.8	174.2	164.5
8	Financial Services	100.0	113.1	127.2	143.5	168.8	184.6
9	Real Estate, Ownership of Dwellings & Professional Services	100.0	122.2	153.5	168.8	193.4	221.3
10	Public Administration	100.0	113.5	123.0	147.2	158.5	175.8
11	Other Services	100.0	116.6	130.7	159.1	175.9	201.9
	Tertiary	100.0	117.6	136.4	154.3	173.4	194.5
12	Total NSVA at Basic Prices	100.0	116.0	133.4	143.6	157.4	176.6
13	Taxes on Products	100.0	117.2	127.5	143.9	190.7	231.6
14	Subsidies on Products	100.0	121.1	109.1	108.2	73.7	71.1
15	Net State Domestic Product	100.0	115.9	133.6	144.9	164.5	187.1
16	Population	100.0	101.4	102.9	104.3	105.8	107.3
17	Per Capita NSDP	100.0	114.3	129.9	138.9	155.5	174.4

Contd....

Index Number of Net State Value Added and Net State Domestic Product by Economic Activity (at Current Prices)

(Base 2011-12=100)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	164.2	186.3	199.9	207.1	228.6	253.4
1.1	Crops	140.3	147.5	152.3	156.8	175.0	193.3
1.2	Livestock	224.2	277.7	312.7	325.1	356.3	395.8
1.3	Forestry & Logging	107.5	118.6	117.0	123.1	132.9	139.6
1.4	Fishing & Aquaculture	164.8	212.3	212.9	233.9	234.3	310.6
2	Mining & Quarrying	897.0	705.2	1155.6	1014.4	974.7	1032.7
	Primary	165.5	187.2	201.5	208.5	229.8	254.7
3	Manufacturing	211.1	252.4	244.1	250.0	300.8	333.5
4	Electricity, Gas, Water Supply & Other Utility Services	553.4	542.4	503.9	477.2	515.3	564.0
5	Construction	141.1	161.3	162.8	151.9	182.4	206.8
	Secondary	195.1	226.8	221.3	219.9	262.7	292.7
6	Trade, Repair, Hotels & Restaurants	215.2	245.7	267.7	209.9	285.8	343.3
6.1	Trade & Repair Services	217.4	248.7	270.9	215.1	293.2	352.1
6.2	Hotels & Restaurants	155.2	167.0	181.2	69.7	88.6	109.2
7	Transport, Storage, Communication & Services related to Broadcasting	154.5	164.8	138.8	128.7	191.1	235.3
7.1	Railways	106.3	85.5	83.1	74.4	120.2	152.0
7.2	Road Transport	171.6	189.3	142.9	121.0	200.7	253.6
7.3	Services incidental to Transport	111.3	101.4	98.8	91.1	156.9	198.2
7.4	Storage	186.3	238.9	299.6	284.5	236.2	253.7
7.5	Communication & Services related to Broadcasting	145.2	158.7	177.5	210.1	221.6	244.2
8	Financial Services	167.8	223.1	244.9	262.7	299.0	337.9
9	Real Estate, Ownership of Dwellings & Professional Services	243.3	270.2	293.0	288.8	327.3	379.2
10	Public Administration	209.8	226.0	251.8	286.5	294.2	321.3
11	Other Services	243.0	265.0	305.2	335.1	373.2	413.5
	Tertiary	213.9	241.5	259.3	247.0	297.6	346.2
12	Total NSVA at Basic Prices	196.3	223.7	233.6	229.3	270.3	307.4
13	Taxes on Products	300.3	244.9	264.2	324.7	357.4	402.7
14	Subsidies on Products	63.1	64.2	68.8	115.1	92.2	100.7
15	Net State Domestic Product	213.8	232.0	243.2	245.1	287.4	326.5
16	Population	108.8	110.4	111.9	113.5	115.1	116.7
17	Per Capita NSDP	196.5	210.2	217.3	215.9	249.6	279.7

Table – 17
Index Number of Net State Value Added and Net State Domestic Product
by Economic Activity (at Constant Prices)

(Base 2011-12=100)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Agriculture, Forestry and Fishing	100.0	97.4	99.7	96.8	100.6	108.8
1.1	Crops	100.0	93.2	93.8	84.6	85.8	96.5
1.2	Livestock	100.0	105.9	112.7	120.4	129.3	139.7
1.3	Forestry & Logging	100.0	96.8	94.4	100.3	102.6	74.0
1.4	Fishing & Aquaculture	100.0	105.2	101.3	105.2	118.2	140.0
2	Mining & Quarrying	100.0	76.3	222.8	273.5	583.9	1016.8
	Primary	100.0	97.4	100.0	97.1	101.4	110.4
3	Manufacturing	100.0	117.9	130.3	136.8	161.8	187.1
4	Electricity, Gas, Water Supply & Other Utility Services	100.0	60.7	52.5	58.8	53.3	64.1
5	Construction	100.0	92.0	100.9	99.2	97.2	102.9
	Secondary	100.0	106.4	116.8	120.2	134.1	151.6
6	Trade, Repair, Hotels & Restaurants	100.0	109.1	115.2	129.3	150.1	166.8
6.1	Trade & Repair Services	100.0	109.4	115.7	130.2	151.3	168.3
6.2	Hotels & Restaurants	100.0	102.3	102.5	105.7	116.8	125.9
7	Transport, Storage, Communication & Services related to Broadcasting	100.0	108.8	114.9	129.4	138.5	138.3
7.1	Railways	100.0	121.9	115.3	126.0	124.3	94.1
7.2	Road Transport	100.0	108.4	116.7	130.8	138.0	145.6
7.3	Services incidental to Transport	100.0	108.0	109.2	126.5	132.4	140.8
7.4	Storage	100.0	105.0	101.8	95.7	103.6	99.4
7.5	Communication & Services related to Broadcasting	100.0	101.3	111.4	129.4	155.7	142.5
8	Financial Services	100.0	110.9	122.8	136.3	156.6	171.5
9	Real Estate, Ownership of Dwellings & Professional Services	100.0	113.2	132.4	139.3	152.4	165.8
10	Public Administration	100.0	104.5	104.5	118.5	122.6	130.4
11	Other Services	100.0	109.2	113.8	130.9	136.7	148.7
	Tertiary	100.0	110.3	120.8	132.9	147.1	159.3
12	Total NSVA at Basic Prices	100.0	106.0	114.5	120.2	131.9	144.9
13	Taxes on Products	100.0	114.9	122.2	133.7	156.6	177.0
14	Subsidies on Products	100.0	111.1	93.8	90.6	61.6	58.4
15	Net State Domestic Product	100.0	106.9	116.1	122.9	137.5	152.0
16	Population	100.0	101.4	102.9	104.3	105.8	107.3
17	Per Capita NSDP	100.0	105.4	112.9	117.9	129.9	141.6

Contd....

Index Number of Net State Value Added and Net State Domestic Product by Economic Activity (at Constant Prices)

(Base 2011-12=100)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)	2022-23 (A)
1	2	9	10	11	12	13	14
1	Agriculture, Forestry and Fishing	116.6	127.2	134.0	132.6	134.8	142.0
1.1	Crops	99.2	101.2	100.5	100.9	100.9	105.3
1.2	Livestock	155.0	183.8	204.0	197.0	203.5	215.2
1.3	Forestry & Logging	86.7	96.1	110.5	114.5	118.7	123.3
1.4	Fishing & Aquaculture	188.2	188.8	191.9	209.8	211.9	257.9
2	Mining & Quarrying	947.6	640.0	1075.0	966.9	929.7	985.7
	Primary	118.0	128.1	135.6	134.0	136.2	143.4
3	Manufacturing	190.9	219.7	208.0	208.6	234.6	248.1
4	Electricity, Gas, Water Supply & Other Utility Services	79.9	76.1	84.8	77.9	85.1	92.6
5	Construction	109.3	118.6	118.7	105.7	121.1	130.6
	Secondary	156.7	177.2	170.5	165.8	187.2	199.0
6	Trade, Repair, Hotels & Restaurants	187.5	205.6	220.5	171.1	211.1	226.9
6.1	Trade & Repair Services	189.4	208.1	223.2	175.3	216.1	232.2
6.2	Hotels & Restaurants	135.2	140.1	149.7	57.4	75.4	83.1
7	Transport, Storage, Communication & Services related to Broadcasting	133.9	135.1	135.8	106.3	126.3	145.7
7.1	Railways	71.0	54.4	48.2	34.4	43.5	69.0
7.2	Road Transport	148.1	150.4	150.0	109.0	132.1	154.6
7.3	Services incidental to Transport	143.2	147.6	148.3	131.5	178.6	209.0
7.4	Storage	84.9	109.9	117.7	129.4	126.9	133.2
7.5	Communication & Services related to Broadcasting	122.6	128.9	139.0	133.2	135.7	134.0
8	Financial Services	144.7	178.1	186.8	198.8	233.0	263.3
9	Real Estate, Ownership of Dwellings & Professional Services	174.0	183.9	189.6	174.1	189.9	203.2
10	Public Administration	149.3	156.4	167.1	180.5	174.7	176.8
11	Other Services	170.0	172.1	184.6	191.6	207.6	213.1
	Tertiary	167.7	180.3	189.2	168.9	192.9	208.1
12	Total NSVA at Basic Prices	152.1	166.5	170.3	159.3	177.2	189.4
13	Taxes on Products	187.8	374.4	376.4	344.4	396.7	422.5
14	Subsidies on Products	49.1	48.1	50.5	80.8	60.5	62.2
15	Net State Domestic Product	160.2	176.4	180.0	166.6	187.3	200.2
16	Population	108.8	110.4	111.9	113.5	115.1	116.7
17	Per Capita NSDP	147.2	159.9	160.8	146.8	162.8	171.5

CROPS SECTOR

COVERAGE

3.1 This sector comprises agriculture proper 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 and 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 and farm machinery and interest on agricultural loans.

The operation of Government irrigation system comprises supply of water through various Government channels to the agriculturists.

METHODOLOGY AND SOURCE OF MATERIAL

Estimates at Current Prices

3.2 The estimates of GSVA from Crops sector including operation of Government irrigation system have been prepared by using the production approach. In case of agriculture proper, 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 total factor income generated as a result of providing the irrigation services has been estimated.

3.3 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, Rapeseed & Mustard, Sunflower
- (iv) **Fibers:** Cotton (American and Desi), Sunhemp
- (v) **Fruits, Vegetables & Flowers:** Potatoes, Onion, Tomato, Peas, Sweet Potatoes, Cabbage, Cauliflower, Bhindi, Brinjal, Green Chillies, Raddish, Carrot, Mushroom, Other Vegetables, Mango, Grapes, Guava, Ber, Litchi, Chiku, Citrus Fruits,

Other Fruits, Flowers

- (vi) **Drugs & Narcotics:** Tobacco, Medicinal Plants
- (vii) **Condiments:** Dry Chillies, Garlic, Dry Ginger, Turmeric, Coriander, Methi, Other Condiments
- (viii) **Sugarcane:** Sugarcane (Gur)
- (ix) **Miscellaneous Crops:** Guar Seed

The above mentioned crops account for about 86 percent of total value of output. For other cereals, other oil seeds, other fibers, fodder, other food and non-food crops, dyes and tanning material, grass, by-products etc., only area figures are available, but not out-turn.

3.4 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, Rapeseed and Mustard, Sunflower, Cotton, Sunhemp, 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, Civil Supplies & Consumer Affairs Department, Haryana. The information regarding utilization rates/ratios of sugarcane for seeding, chewing/juice making and preparation of khandsari has been supplied by the NSO. The quantity of sugarcane used for seed purpose has been estimated as 2.0858 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. The information on the quantity and value of sugarcane crushed by the mills during each year is available from the Cane Commissioner, Haryana.

(ii) Minor crops: Ragi, Small Millets, Jute, Mangoes, Guava, Ber, Litchi, Chiku, Aowla, Peach, Pear, Plum, Citrus Fruits, Sweet Potatoes, Grapes, Other Fruits, Onion, Tomato, Cabbage, Cauliflower, Brinjal, Green Chillies, Bhindi, Raddish, Carrot, Green Peas, Mushroom, Other Vegetables, Flowers, Toddy, Dry Ginger, Turmeric, Garlic, Coriander, Methi, Other Condiments & Spices 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 Flowers, Medicinal Plants, all fruits, all vegetables and condiments & spices except Potato, Onion and dry chillies are supplied by the Horticulture Department. The value of output of toddy supplied by the NSO is based on NSS report of 68th 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 fibers, other dyes and tanning material, other drugs & narcotics, fodder, miscellaneous food crops, miscellaneous non-food crops and foreyard & backyard cultivation have been covered under this category. In case of all above miscellaneous and unspecified crops, only the area figures are available and these are supplied by the DLR. However, the area under fodder also covers the area under guar. 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 price. 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 out-turn of sugarcane, the quantity of sugarcane left over after allowing for the uses of crushing 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. In case of grass, estimates of production for the year 1960-61 prepared and supplied by the NSO 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 these five categories.

Agricultural Prices

3.5 The district-wise data on weekly wholesale prices along with the quantity of market arrival of Paddy, Wheat, Jowar, Bajra, Barley, Maize, Gram, Moong, Arhar, Mash, Massar, Groundnut, Sarson, Toria, Taramira, Sunflower, Sesamum, Guar Seed, Cotton, Potato,

Onion and Gur are collected by the offices of District Statistical Officers (DSOs) from the crop-wise selected primary markets during peak market arrival periods. The prices of flowers and condiments namely Dry Chillies, Dry Ginger, Turmeric, Garlic, Coriander and Methi are supplied by the NSO. The prices for the quantity of Paddy and Wheat procured by the Government agencies are provided by the Food, Civil Supplies & Consumer Affairs Department, Haryana. 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 Mangoes, Grapes, Guava, Citrus, Ber, Litchi, Chiku, Aowla, Peach, Pear, Plum, Sweet Potato, Tomato, Cabbage, Cauliflower, Brinjal, Green Chillies, Bhindi, Radish, Carrot and Green Peas during peak market arrival periods are collected and supplied by the offices of District Statistical Officers (DSOs). The price of mushroom is worked out by moving the base year price of mushroom with the growth in the price of other vegetables. The data on prices of green fodder is obtained from the Farm Accounts Report being published annually by the Department of Economic and Statistical Affairs, Haryana. The base year price of Medicinal Plants is moved to the current year with the Wholesale Price Index (WPI) of Drugs and Narcotics.

Value of Agricultural Output

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

- (i) 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.
- (ii) The weighted average price for a district has been obtained as a weighted average of the centre-wise prices derived at '(i)' above, weights being the centre-wise out-turn for sale.

The district-wise prices so arrived at have been used for evaluation of all those crops namely Paddy, Wheat, Jowar, Bajra, Barley, Maize, Gram, Arhar, Mash, Massur, Moong, Groundnut, Sesamum, Rapeseed & Mustard, Sunflower, Gur, Cotton, Potato, Onion, Sweet Potato and Guar Seed 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.

3.7 In case of those fruits & vegetables except Potato, Onion and Sweet Potato for

which wholesale prices are provided by the DSOs, the simple arithmetic average of all district-wise prices worked out for each crop is applied on the production data supplied by the Horticulture Department to work out the value of output. In case of flowers and condiments & spices, the data on production and prices as already explained in previous paragraphs are available for estimation of value of output. In case of medicinal plants, the data on production supplied by the Horticulture Department and prices worked out by the use of WPI (Drugs and Narcotics) 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.

3.8 In case of those agricultural commodities for which the data either on prices or production or on both 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, Horse Gram and Peas has been worked out as 85 percent of the weighted average price per tonne/weighted average value per hectare (VPH) of Arhar, Urad, Moong and Masur.
- (ii) **Other Cereals:** The gross value of output of other cereals has been estimated by applying weighted average VPH of Jowar, Bajra, Barley, Maize and Ragi to the area under other cereals.
- (iii) **Other Oilseeds:** The VPH of other oil seeds has been assumed as 85 percent of weighted average VPH of Linseed, Sesamum and Castor.
- (iv) **Sunhemp:** The VPH of Sunhemp for the year 1993-94 moved to the subsequent years with the wholesale price index of Jute, Sunhemp and Mesta Textiles has been used to estimate the value of output.
- (v) **Other Fibers:** The VPH of Sunhemp less 10 percent has been used to estimate the value of output of other fibers.
- (vi) **Other Condiments and Spices:** The average VPH of other condiments and spices has been assumed to be equal to 90 percent of weighted average VPH of Dry Chillies, Dry Ginger, Cardamom and Black Pepper. As there is no production of Cardamom and Black Pepper in the State, 90 percent of weighted average VPH of Dry Chillies and Dry Ginger 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 WPI of 20 important agricultural commodities.

(ix) Other Dying and Tanning Material: The value of other dying and tanning material is estimated by using the VPH of miscellaneous non-food crops.

(x) Other Drugs and Narcotics: The VPH of other drugs and narcotics for the year 2004-2005 has been moved to the subsequent years with the growth in the value per tonne of Tobacco.

(xi) Foreyard/Backyard Cultivation: The output is estimated by using VPH of other fruits and vegetables.

(xii) Straw and Sticks: The VPH data based on the results of Cost of Cultivation Studies (CCS) has been used for evaluation of the by-products of Paddy, Wheat, Jowar, Bajra, Barley, Maize, Rapeseed & Mustard, Sunflower, Gram, Moong, Mash, Massur, Arhar, Cotton, Jute and Sesamum. The VPH of other pulses' straw is worked out by taking 85 percent of weighted average VPH of Moong, Mash and Massur.

(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 (CCS).

(xiv) Grass: The all India price of grass for 1960-61 adjusted for the later years on the basis of price movement of wheat straw, has been used for evaluating the estimated output of grass.

Inputs

3.9 To arrive at the estimates of GVA from Crops sector, the 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 & 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 & 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: In 2004-05 series, except for paddy, the farm harvest prices were

used for estimation of value of seed. The methodology did not account for improved/hybrid variety of seeds being used by farmers for growing crops mainly in irrigated areas. In 2011-12 series, State-wise seed replacement rate (rate of replacement of ordinary seeds with hybrid seeds) has been used on the irrigated area to estimate the irrigated area under a crop for which hybrid seeds are used. For this part of irrigated area, price of seed as derived from CCS has been used for estimating the value of seed. For the remaining irrigated area and the un-irrigated areas, quantity of seed used per hectare has been evaluated with farm harvest price to estimate the value of seed. However, in case of Paddy, Sugarcane and Potato, price of seed as derived from CCS has been used for the crop cultivated in both the irrigated and un-irrigated areas. The seed rate (kg/hectare) is taken as average rate estimated from the latest five years data of CCS (2007-08 to 2011-12).

(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 prices are available from Fertilizer Association of India. In case of organic manure, the estimates of dung used for manuring purpose as evaluated in Livestock sector have been used.

(iii) Repairs and Maintenance of Fixed Assets: The repairs, maintenance and operational costs consist of expenditure on repair and maintenance in orchards & plantation resources, wells & irrigation, agricultural machinery & implements and transport equipments. These estimates have undergone change due to the adoption of AIDIS, 2013. The benchmark/base year estimates (as derived from AIDIS, 2013) are moved with the estimates of capital stock of farm business at current and constant (2011-12) prices.

(iv) Cost of Livestock Feed: The value of feed is worked out by using the per animal annual consumption rates of adult male cattle and adult male buffalo, current year prices of roughages and concentrates and projected population of these two categories of animals. The base year prices of roughages and concentrates available from the CCS are inflated with growth rate of WPI of fodder and food grains respectively to obtain current year prices. The per animal annual consumption rates of adult male cattle and adult male buffalo have been derived using the study on “India’s Livestock Feed Demand: Estimates and Projection” by the Centre of Economics and Social Research, New Delhi and National Centre for Agricultural Economics and Policy Research, New Delhi.

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

(vi) Market Charges: In the 2004-05 series, the estimates of market charges were

based on the study of Market Margin conducted for 15 crops viz. Paddy, Wheat, Maize, Gram, Ginger, Mango, Potato, Onion, Arhar, Tobacco, Gur, Groundnut, Cotton, Apple and Tea during 2004-05 by the Directorate of Economics and Statistics (DES), Ministry of Agriculture, Govt. of India. It was found in the study that on an average, market charges are around 3.22 percent of the GVO. The same ratio has been used in 2011-12 series.

(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 regarding electricity consumption in the current year and current year price collected from the Central Electricity Authority, Govt. of India.

(viii) Cost of Pesticides and Insecticides: The cost estimates of pesticides and insecticides consumed in Crops sector in the State prepared by the NSO are based on the information regarding State-wise consumption and prices available from the Directorate of Plant Protection, Quarantine and Storage, Govt. of India.

(ix) Cost of Diesel Oil: The cost of diesel oil consumed in Crops sector has been compiled on the basis of number of diesel engines/tractors and consumption per diesel engine/tractor in value terms. The number of tractors is available in the report “Agricultural Research Data Book 2013” and number of diesel engines has been taken from the Indian Livestock Census. The number of tractors/diesel engines for the years beyond the survey period has been calculated using inter-survey/inter-censal growth rate. The value of diesel oil consumption per tractor and per engine has been taken from the CCS 2010-11.

Gross Value Added

3.10 The estimates of GVA from this sector 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 Crops sector, the GVA from such services has been added to obtain the corresponding total for the Crops sector. The GVA from the operation of Government irrigation system has been obtained 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 NSO.

Estimates at Constant Prices

3.11 For estimation of value added at constant prices, the double deflation method has been used and both the output of each crop along with their by-products as well as cost of inputs have been evaluated at 2011-12 prices. However, in case of seed, chemical fertilizers, feed of livestock, irrigation charges, electricity charges, pesticides & insecticides, current repairs & maintenance and cost of diesel oil, the estimates at both current and constant prices are supplied by the NSO. The GVA estimates from Government irrigation system at current prices are deflated with CPI (General) to compile the estimates at constant prices.

3.12 From the GVA obtained from Crops sector as a whole, FISIM has been deducted. The estimates of CFC supplied by the NSO are deducted to arrive at the Net Value Added (NVA).

The detailed estimates of Crops sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 18 to 21**.

Table – 18
Value of Output
Crops Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Cereals	2635288	2733921	3186823	2897548	3104820	3564134
1.1	Paddy	809883	1109768	1407048	1286147	1265669	1402414
1.2	Wheat	1685831	1503704	1654801	1508355	1734557	2012501
1.3	Jowar	4447	4419	5794	4785	5875	6889
1.4	Bajra	113962	93671	99253	83987	82894	129151
1.5	Barley	17951	19209	16804	11883	13046	10464
1.6	Maize	3215	3150	3123	2392	2586	2476
1.7	Other Cereals	0	0	0	0	193	239
2	Pulses	38517	28049	35024	24211	21930	32979
2.1	Gram	26606	18578	25064	16969	13061	24084
2.2	Tur (Arhar)	5884	5287	4908	3008	2627	2167
2.3	Urad	371	417	312	320	550	509
2.4	Moong	3312	1875	1880	1941	3565	2941
2.5	Masoor	1742	1264	2090	845	925	657
2.6	Other Pulses	603	629	770	1127	1203	2621
3	Oil Seeds	258559	448300	277588	259341	310653	346162
3.1	Sesamum	456	406	463	628	1435	1162
3.2	Groundnut	603	1259	2640	1720	2226	2394
3.3	Rapeseed and Mustard	256069	443822	270520	244774	298587	334381
3.4	Other Oil Seeds	1430	2814	3965	12219	8404	8225
4	Sugarcane	159828	201189	213417	213190	206107	254468
5	Fibres	576932	503782	528973	407302	223156	543205
5.1	Kapas	576738	503775	528793	407296	223150	543202
5.2	Sunhemp	7	7	2	1	0	1
5.3	Other Fibres	187	0	177	4	5	2
6	Dyes & Tanning Material	1034	560	270	821	763	1118
7	Drugs & Narcotics	679	3914	5291	3450	7556	8200
7.1	Tobacco	0	0	0	0	0	0
7.2	Medicinal Plants	353	804	210	190	1929	1968
7.3	Other Drugs & Narcotics	326	3110	5081	3260	5627	6232
8	Condiments and Spices	23143	23867	37645	32730	41411	36498
8.1	Dry Chillies	4447	5805	3461	1237	4590	4391
8.2	Other Condiments and Spices	18696	18062	34184	31494	36821	32107
9	Fruits & Vegetables	504307	564827	727440	800042	871772	875813
9.1	Potato	12335	19215	20999	22902	24208	19844
9.2	Onion	1888	6305	9363	9243	6023	5682
9.3	Mango	20555	22294	26659	27452	28234	33354
9.4	Other Fruits & Vegetables	469529	517012	670419	740446	813307	816933
10	Foreyard/Backyard Farming	11631	12327	15693	17217	16750	16770
11	Floriculture	14744	14593	16129	13610	15413	13666
12	Other Miscellaneous Crops	277025	354920	375640	360963	353553	293443
13	By Products	397489	434193	486251	574745	501330	548373
14	Value of Output from Crops	4899176	5324440	5906183	5605170	5675212	6534829

Contd....

Value of Output Crops Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	9	10	11	12	13
1	Cereals	3977796	4200268	4430402	4799272	4391545
1.1	Paddy	1742756	1732123	1901785	2054748	2099382
1.2	Wheat	2127825	2313254	2283840	2447315	2117088
1.3	Jowar	5733	4598	3951	4215	3751
1.4	Bajra	90132	138365	230903	284738	165830
1.5	Barley	8855	9261	6827	4792	2724
1.6	Maize	2495	2667	3096	3464	2770
1.7	Other Cereals	0	0	0	0	0
2	Pulses	21205	42060	35421	75967	90270
2.1	Gram	13423	25671	21902	18253	27420
2.2	Tur (Arhar)	2138	1243	889	40057	43622
2.3	Urad	315	449	95	221	241
2.4	Moong	3406	12301	9864	14540	15834
2.5	Masoor	727	286	394	129	140
2.6	Other Pulses	1196	2110	2276	2767	3013
3	Oil Seeds	414380	503118	510552	755348	1080439
3.1	Sesamum	588	588	672	678	739
3.2	Groundnut	1666	1799	1461	4294	4676
3.3	Rapeseed and Mustard	407295	492505	496042	736712	1060001
3.4	Other Oil Seeds	4830	8227	12377	13665	15024
4	Sugarcane	313119	283182	260372	297061	321330
5	Fibres	402449	533315	649854	516113	974276
5.1	Kapas	402415	533315	649852	515012	973077
5.2	Sunhemp	1	0	1	9	10
5.3	Other Fibres	33	0	0	1092	1189
6	Dyes & Tanning Material	2156	2538	2184	2611	2843
7	Drugs & Narcotics	7342	10106	8350	2291	2495
7.1	Tobacco	0	0	0	0	0
7.2	Medicinal Plants	669	663	807	640	697
7.3	Other Drugs & Narcotics	6673	9443	7543	1651	1798
8	Condiments and Spices	30974	22059	33357	20823	22677
8.1	Dry Chillies	2665	2958	2338	2533	2758
8.2	Other Condiments and Spices	28308	19101	31019	18291	19919
9	Fruits & Vegetables	1090056	1161985	1184432	987647	1282803
9.1	Potato	18388	22894	42080	40969	44615
9.2	Onion	5529	6837	4640	11731	12775
9.3	Mango	36953	42062	43441	42933	41596
9.4	Other Fruits & Vegetables	1029187	1090193	1094271	892014	1183818
10	Foreyard/Backyard Farming	19072	21660	23835	23934	26064
11	Floriculture	13926	17691	10291	4549	4954
12	Other Miscellaneous Crops	274295	272686	200228	234599	255478
13	By Products	516188	454541	466747	450873	444023
14	Value of Output from Crops	7082957	7525208	7816024	8171088	8899197

Table – 19
Value of Output
Crops Sector (at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
1	Cereals	2635288	2383623	2484984	2286565	2471186	2703586
1.1	Paddy	809883	849105	859548	870686	929403	1000811
1.2	Wheat	1685831	1429184	1516988	1330667	1458715	1591842
1.3	Jowar	4447	3733	4624	3554	3997	4607
1.4	Bajra	113962	78686	83111	66916	64995	95298
1.5	Barley	17951	20074	18122	12790	11960	8901
1.6	Maize	3215	2841	2592	1952	1963	1949
1.7	Other Cereals	0	0	0	0	153	178
2	Pulses	38517	28198	34956	20718	15547	23097
2.1	Gram	26606	19287	26286	15385	9534	16886
2.2	Tur (Arhar)	5884	4874	3785	2149	1952	1385
2.3	Urad	371	424	318	265	332	324
2.4	Moong	3312	1711	1731	1327	2218	2108
2.5	Masoor	1742	1332	2203	768	763	628
2.6	Other Pulses	603	571	634	825	748	1766
3	Oil Seeds	258559	331959	307084	252529	290635	332693
3.1	Sesamum	456	391	391	521	1189	961
3.2	Groundnut	603	936	2020	1318	1684	1735
3.3	Rapeseed and Mustard	256069	328028	301068	241587	281607	324548
3.4	Other Oil Seeds	1430	2604	3605	9103	6155	5449
4	Sugarcane	159828	173849	170058	163771	161372	188638
5	Fibres	576932	523271	445569	426654	217114	447876
5.1	Kapas	576738	523264	445396	426649	217109	447873
5.2	Sunhemp	7	7	2	1	0	1
5.3	Other Fibres	187	0	170	4	4	2
6	Dyes & Tanning Material	1034	522	236	684	617	883
7	Drugs & Narcotics	679	3647	4700	3044	6716	7085
7.1	Tobacco	0	0	0	0	0	0
7.2	Medicinal Plants	353	775	198	176	1781	1828
7.3	Other Drugs & Narcotics	326	2872	4502	2868	4935	5257
8	Condiments and Spices	23143	31097	35966	27053	29325	26440
8.1	Dry Chillies	4447	6841	3592	1112	3448	3170
8.2	Other Condiments and Spices	18696	24255	32375	25942	25877	23270
9	Fruits & Vegetables	504307	507954	562055	570096	644426	648161
9.1	Potato	12335	13977	13037	13063	18938	15789
9.2	Onion	1888	3848	4639	4402	5003	4893
9.3	Mango	20555	21126	23013	23578	23907	25720
9.4	Other Fruits & Vegetables	469529	469004	521366	529054	596578	601759
10	Foreyard/Backyard Farming	11631	11631	11580	11661	11653	11544
11	Floriculture	14744	14822	14917	11762	13175	10667
12	Other Miscellaneous Crops	277025	280082	296830	284236	293108	254817
13	By Products	397489	389370	388005	400983	394706	391880
14	Value of Output from Crops	4899176	4680024	4756940	4459757	4549580	5047367

Contd....

Value of Output Crops Sector (at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	9	10	11	12	13
1	Cereals	2736390	2708009	2779828	2937570	2640029
1.1	Paddy	1075585	993144	1121813	1203845	1180042
1.2	Wheat	1575824	1615647	1526441	1592588	1343147
1.3	Jowar	3397	2857	2170	2255	1663
1.4	Bajra	71193	87574	122004	132991	112178
1.5	Barley	8290	7009	5563	3743	1292
1.6	Maize	2101	1778	1837	2148	1706
1.7	Other Cereals	0	0	0	0	0
2	Pulses	19455	34557	25815	40391	43730
2.1	Gram	13016	22515	16954	12915	16474
2.2	Tur (Arhar)	1980	978	554	18600	18452
2.3	Urad	281	386	73	143	142
2.4	Moong	2614	9064	6566	7310	7252
2.5	Masoor	663	259	306	47	46
2.6	Other Pulses	901	1355	1362	1375	1364
3	Oil Seeds	383964	435719	399735	460068	585438
3.1	Sesamum	487	486	549	554	550
3.2	Groundnut	1146	1226	945	3225	3199
3.3	Rapeseed and Mustard	379128	428348	391989	449220	574602
3.4	Other Oil Seeds	3203	5659	6252	7069	7087
4	Sugarcane	219514	193398	174738	192881	200125
5	Fibres	354751	440422	543684	415520	565518
5.1	Kapas	354725	440422	543683	414706	564711
5.2	Sunhemp	1	0	1	7	6
5.3	Other Fibres	25	0	0	807	801
6	Dyes & Tanning Material	1659	1882	1541	1842	1827
7	Drugs & Narcotics	5881	7879	6478	1825	1811
7.1	Tobacco	0	0	0	0	0
7.2	Medicinal Plants	622	616	682	540	536
7.3	Other Drugs & Narcotics	5259	7263	5797	1285	1275
8	Condiments and Spices	29512	22984	26507	17040	16904
8.1	Dry Chillies	2340	2596	2052	2223	2206
8.2	Other Condiments and Spices	27172	20388	24455	14817	14698
9	Fruits & Vegetables	790665	831810	791103	717775	685443
9.1	Potato	14910	20322	16632	16965	16829
9.2	Onion	4060	4855	2874	4169	4136
9.3	Mango	28659	30945	30984	30140	28905
9.4	Other Fruits & Vegetables	743036	775688	740613	666502	635573
10	Foreyard/Backyard Farming	11616	11963	11910	11959	11863
11	Floriculture	10090	11599	6687	2963	2939
12	Other Miscellaneous Crops	242635	229134	170708	204152	202518
13	By Products	395816	401467	402566	383426	386225
14	Value of Output from Crops	5201949	5330823	5341300	5387412	5344370

Table – 20
Gross State Value Added and Net State Value Added
Crops Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Value of Output	4899176	5324440	5906183	5605170	5675212	6534828	7082957	7525208	7816024	8171088	8899197
2	Less: Inputs	800670	845563	893049	932577	920587	974255	1014252	1078795	1129291	1233834	1299283
2.1	Seed	85519	95032	103094	108181	113632	119205	122565	129665	136004	148595	156477
2.2	Organic Manure	72384	79137	88764	98415	109322	116816	126984	107068	106853	116745	122937
2.3	Chemical Fertilizers	194339	223120	194434	218156	236303	235595	223977	254417	268577	293440	309006
2.4	Repairs & Maintenance	32225	36862	43093	49874	53625	59194	64844	71959	79919	87318	91949
2.5	Feed of Livestock	45146	49836	55175	58274	59693	62468	58864	42164	43381	47397	49911
2.6	Irrigation Charges	58327	13923	9517	12938	11049	11343	13242	16419	20000	21851	23011
2.7	Market Charges	157753	171447	190179	180486	182742	210421	228071	242312	251676	274975	289561
2.8	Electricity	19322	20568	25466	32825	31845	32525	34894	38857	41700	45561	47978
2.9	Pesticides & Insecticides	14472	17767	17096	15609	17099	16874	13489	13994	14839	16212	17072
2.10	Diesel Oil	121182	137871	166231	157819	105277	109814	127322	161939	166342	181741	191381
3	Gross State Value Added (unadjusted)	4219978	4600207	5104687	4769378	4849427	5668292	6174573	6566156	6813027	7073722	7788165
3.1	Crops	4098506	4478877	5013134	4672592	4754625	5560574	6068705	6446413	6686733	6937254	7599914
3.2	Operation of Govt. Irrigation System	121472	121330	91553	96786	94802	107718	105868	119742	126294	136468	188251
4	Less: FISIM	131241	142606	153141	156436	167790	231833	252540	320703	320894	339539	352025
5	Gross State Value Added	4088737	4457601	4951547	4612943	4681637	5436459	5922033	6245453	6492133	6734183	7436140
6	Less: CFC	323128	374579	445908	504070	546055	593406	637691	691004	757655	830681	847720
7	Net State Value Added	3765609	4083022	4505639	4108873	4135582	4843053	5284342	5554449	5734479	5903502	6588420

Table – 21
Gross State Value Added and Net State Value Added
Crops Sector (at Constant Prices)

(₹ Lakh)												
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Value of Output	4899176	4680024	4756940	4459757	4549580	5047367	5201949	5330823	5341300	5387412	5344370
2	Less: Inputs	800670	793304	768983	791155	807399	828424	847194	844749	866488	861986	855099
2.1	Seed	85519	85387	86221	87428	88589	87420	87513	89886	89874	89407	88693
2.2	Organic Manure	72384	72854	73372	73940	74561	75246	75977	44633	43264	43039	42695
2.3	Chemical Fertilizers	194339	190944	159420	182958	190908	189182	194082	212893	219917	218775	217027
2.4	Repairs & Maintenance	32225	35470	39709	43739	46713	50675	55032	59067	65505	65165	64644
2.5	Feed of Livestock	45146	43994	41777	41777	40711	39673	38660	27085	25183	25052	24852
2.6	Irrigation Charges	58327	58327	54906	48881	45035	45035	45035	42685	42685	42463	42124
2.7	Market Charges	157753	150697	153173	143604	146496	162525	167503	171652	171990	171096	169729
2.8	Electricity	19322	16891	16891	19695	19393	19806	21351	19817	20123	20018	19858
2.9	Pesticides & Insecticides	14472	14472	14580	14544	14651	14472	14472	14347	15008	14930	14811
2.10	Diesel Oil	121182	124268	128934	134589	140341	144389	147568	162683	172939	172040	170666
3	Gross State Value Added (unadjusted)	4219978	3998371	4065689	3746511	3815540	4298806	4430121	4568931	4558637	4610986	4601403
3.1	Crops	4098506	3886721	3987957	3668602	3742181	4218944	4354754	4486074	4474813	4525426	4489271
3.2	Operation of Govt. Irrigation System	121472	111650	77732	77909	73359	79862	75367	82858	83824	85560	112132
4	Less: FISIM	131241	142038	150035	149086	158967	218258	224082	263339	248366	258175	254923
5	Gross State Value Added	4088737	3856332	3915654	3597425	3656573	4080548	4206040	4305593	4310271	4352811	4346481
6	Less: CFC	323128	347450	382205	411645	427289	448219	470765	495757	524757	552758	545918
7	Net State Value Added	3765609	3508882	3533449	3185780	3229284	3632329	3735274	3809836	3785514	3800053	3800563

LIVESTOCK SECTOR

COVERAGE

4.1 Livestock sector includes breeding and rearing of animals and poultry besides private veterinary services, production of milk, slaughtering, preparation and dressing of meat, production of raw hides and skins, eggs, dung, raw wool, honey and silkworm cocoons etc. The estimates of GSVA of this sector have been prepared by using the production approach.

METHODOLOGY AND SOURCE OF MATERIAL

Estimates at Current Prices

4.2 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-censal 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 NSO to the total number of animals.

(ii) Meat Group: The meat group comprises meat (animals & poultry), meat products (offal's & glands, fats, heads, legs etc.) and meat by-products comprising hides (cattle & buffalo), skin (goat & sheep), 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, adult ducks, chickens and other poultry slaughtered by the

formulae given below:

- (a) **Chickens and ducklings killed** = total poultry of current year (chicks & ducks survived + 50% of hens & cocks population + 50% of ducks & drakes population + population of chickens & ducklings + 62.5% of other poultry) - total poultry of next year (population of hens + cocks + ducks + drakes + chickens + other poultry),
- (b) **Adult fowls killed** = 50% of population of hens and cocks,
- (c) **Adult ducks killed** = 50% of population of ducks and drakes and
- (d) **Other poultry** = 37.5% of other poultry.

The output of meat products and by-products i.e. offal's & glands, fats, head, legs, skin and other by-products from slaughtered animals has been estimated by using the animal-wise value of meat already worked out and ratios available from the study conducted by NRCM on meat products and by-products. The value of output from fats of fallen animals (only for cattle and buffalo) is estimated by using the number of fallen animals and yield rates available from the NSO, New Delhi. The output from cattle hides, buffalo hides, goat skin and sheep skin (fallen animals) is worked out by using the data regarding number of fallen animals. The data regarding number of fallen animals is derived from the livestock population by using the mortality rates supplied by the NSO.

(iii) **Dung:** The production of dung from cattle and buffaloes 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 from goat and sheep has been estimated by using the evacuation rates supplied by the NSO. 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 the results of IASRI report (1972). 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 (ISS) conducted by Animal Husbandry Department on annual basis. 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. The production of pig bristles has been worked out on the basis of yield rates available from the study conducted by the NSO in Uttar Pradesh.

(v) **Eggs:** The production of hen eggs in the State is based on the results of ISS conducted by the Animal Husbandry Department. The 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 NSO 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: 2003, 2007, 2012 and 2019.

Evaluation of Livestock Output

4.3 The gross value of livestock products has been obtained by evaluating the output of each commodity at the corresponding average annual wholesale price separately for urban and rural areas. The wholesale prices of different categories of livestock and livestock products are collected separately for urban and rural areas 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

4.4 To arrive at the estimates of gross value added from Livestock sector, necessary deductions on account of current cost of inputs have been made from the gross value of output. These consist of repair, maintenance & operational costs, market charges and feed of livestock.

(i) Repair and maintenance for livestock and operational costs: The benchmark estimates of repair and maintenance on barns, animal sheds and other miscellaneous costs (as derived from AIDIS, 2013) are moved with the estimates of capital stock of farm business. The operational cost is worked out by taking 0.25 percent of value of output from poultry meat, wool, hides and increment in livestock.

(ii) Market charges: The market charges for livestock are worked out on the basis of number of slaughtered animals and municipal charges per slaughtered animal.

(iii) Feed of livestock: The value of feed is estimated on the basis of data regarding species-wise and category-wise per animal value of annual feed consumption and species-wise and category-wise population. The per animal annual consumption rates for base year have been derived using the study on “India’s Livestock Feed Demand: Estimates and Projection” conducted by Centre of Economic & Social Research, New Delhi and

National Centre for Agricultural Economic and Policy Research, New Delhi. The per animal annual feed consumption value for subsequent years has been worked out by using the relevant indicators based on WPI of fodder and food grains. The age-wise and species-wise projected population is based on Livestock Censuses: 2003, 2007, 2012 and 2019.

Gross Value Added

4.5 The estimates of gross value added from this sector have been arrived at by deducting the estimated total cost of inputs used in production from the total value of output.

Estimates at Constant Prices

4.6 For estimation of value added at constant prices, both the output of live-stock products as well as cost of inputs have been evaluated at 2011-12 prices. However, the estimates of inputs at both current and constant prices are supplied by the NSO.

4.7 From the Gross Value Added obtained from Livestock sector, FISIM has been deducted. The estimates of CFC supplied by the NSO are deducted to arrive at the NVA.

The detailed estimates of Livestock sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 22 to 25**.

Table – 22
Value of Output
Livestock Sector (at Current Prices)

												(₹ Lakh)
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Milk Group	2047787	2359929	2745695	3198953	3560127	3897830	4383926	4962921	5630464	5636450	6132950
1.1	Cow milk	259985	292609	329687	399575	555891	586985	689092	780308	895187	986238	1155386
1.2	Buffalo milk	1769065	2045761	2392509	2771234	2982338	3290249	3673421	4161203	4714594	4627946	4952192
1.3	Goat milk	13683	16419	18420	23132	16798	16492	17730.955	18107	19127	20995	24332
1.4	Camel milk	5054	5140	5079	5012	5100	4104	3682	3304	1555	1271	1040
2	Meat Group	312495	354279	381900	420098	484474	541939	628285	700041	840908	977898	1119796
2.1	Meat	300806	340016	366304	403479	464320	521332	602793	674431	817758	953491	1089658
(i)	Goat meat	12270	14557	16414	15134	19463	20788	23047	23264	28144	32805	35130
(ii)	Sheep meat	6607	7851	8843	10011	17416	16384	34082	33533	30596	31411	54029
(iii)	Pig meat	4451	5342	5756	6464	9895	9466	9403	10135	11732	14294	16600
iv)	Poultry meat	277478	312266	335291	371870	417546	474695	536261	607499	747286	874982	983899
2.2	Meat products	3764	4449	4966	5046	7202	7226	10448	10474	10187	11245	15418
2.3	Meat by-products	7925	9814	10630	11573	12952	13381	15043	15136	12963	13163	14719
(i)	Hides	6479	8096	8722	9596	10142	10569	10862	10980	8135	7909	7623
(ii)	Skins	162	193	193	253	257	253	238	230	259	252	246
(iii)	Other by-products	1284	1525	1715	1724	2553	2559	3943	3926	4570	5001	6850
3	Eggs	113779	126126	137323	152238	166116	181465	202441	228857	263451	315987	362733
4	Wool and Hair	3686	4914	5038	5747	3368	3427	3351	3583	4032	3941	3789
4.1	Wool	3311	4508	4618	5302	2878	2937	2878	3118	3363	3257	3321
4.2	Hair & bristles	375	406	420	445	490	490	473	465	669	684	468
5	Honey	2942	3606	4531	5658	4274	3884	4158	4040	5149	5467	5467
6	Dung	132877	146167	158670	172745	187935	199711	214282	244691	187957	191118	194022
6.1	Dung fuel	60493	67030	69906	74330	78613	82896	87298	105460	81115	84291	84928
6.2	Dung manure	72384	79137	88764	98415	109322	116815	126983	139231	106842	106828	109093
7	Increment in Livestock	14280	18678	29270	33268	38559	47055	60290	72918	14254	14920	15973
8	Value of Output from Livestock	2627846	3013699	3462427	3988707	4444853	4875311	5496732	6217051	6946214	7145781	7834730

Table – 23
Value of Output
Livestock Sector (at Constant Prices)

												(₹ Lakh)
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Milk Group	2047787	2158438	2281274	2424201	2566664	2749059	3005558	3287775	3595822	3448286	3541586
1.1	Cow milk	259985	265019	274027	309871	412725	438472	481894	527899	584842	610721	686233
1.2	Buffalo milk	1769065	1874175	1987448	2094416	2139877	2297647	2511072	2747251	2999146	2825785	2843232
1.3	Goat milk	13683	14709	15730	16263	10409	10001	9956	10259	10720	10870	11376
1.4	Camel milk	5054	4535	4069	3651	3653	2939	2637	2366	1113	911	745
2	Meat Group	312495	321598	335216	348659	380587	398452	437627	463156	527771	572288	610631
2.1	Meat	300806	309658	323054	336728	366890	384877	420849	446577	513187	558544	595637
(i)	Goat meat	12270	12889	13423	11783	13510	13820	14393	13865	15185	15549	16049
(ii)	Sheep meat	6607	6937	7213	7452	12443	11630	24868	24226	22797	19330	24991
(iii)	Pig meat	4451	4700	4918	5392	7667	7316	7210	7466	7859	8719	8991
(iv)	Poultry meat	277478	285132	297500	312101	333270	352112	374378	401019	467347	514947	545606
2.2	Meat products	3764	3935	4081	3910	5167	5059	7263	7105	6632	6204	7211
2.3	Meat by-products	7925	8005	8081	8021	8530	8516	9515	9475	7952	7540	7783
(i)	Hides	6479	6502	6529	6558	6590	6625	6663	6704	4836	4650	4476
(ii)	Skins	162	155	148	141	135	128	123	118	128	125	122
(iii)	Other by-products	1284	1348	1404	1322	1805	1763	2728	2653	2988	2764	3185
3	Eggs	113779	117297	121211	127578	136793	145458	156095	169468	185314	204349	217134
4	Wool and Hair	3686	4160	3770	3857	2080	2042	2040	2096	2129	2031	2062
4.1	Wool	3311	3794	3422	3515	1727	1700	1706	1767	1795	1691	1723
4.2	Hair & bristles	375	366	348	342	353	342	334	329	335	341	339
5	Honey	2942	2942	2948	2948	2948	2948	2948	2948	2948	2948	2948
6	Dung	132877	133739	134690	135734	136874	138131	139473	140935	105044	101975	99093
6.1	Dung fuel	60493	60885	61318	61794	62312	62885	63496	64161	47822	46424	45112
6.2	Dung manure	72384	72854	73372	73940	74562	75246	75977	76774	57222	55550	53980
7	Increment in Livestock	14280	16487	23112	25942	29481	34070	40256	48935	61577	5101	5611
8	Value of Output from Livestock	2627846	2754661	2902221	3068919	3255427	3470160	3783996	4115313	4480606	4336978	4479064

Table – 24
Gross State Value Added and Net State Value Added
Livestock Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Value of Output	2627846	3013699	3462427	3988707	4444853	4875311	5496733	6217051	6946214	7145781	7834730
2	Less: Inputs	736706	852652	978175	1068836	1155171	1283448	1267459	981319	1055642	1023390	1120366
2.1	Repairs & Maintenance	14104	16497	19377	22427	24450	26947	29877	33394	37501	39854	43631
2.2	Feed of Livestock	722572	836124	958766	1046376	1130688	1256454	1237492	947829	1018050	983449	1076640
2.3	Market Charges	30	31	32	33	33	47	90	96	91	88	96
3	Gross State Value Added (unadjusted)	1891140	2161047	2484252	2919871	3289682	3591863	4229273	5235732	5890572	6122391	6714364
4	Less: FISIM	1324	864	1242	3212	3619	1796	2960	5236	3534	3673	4029
5	Gross State Value Added	1889817	2160183	2483010	2916659	3286063	3590067	4226313	5230496	5887038	6118718	6710335
6	Less: CFC	25544	30951	36276	41343	40612	41937	47170	54129	57601	58208	67103
7	Net State Value Added	1864273	2129232	2446734	2875316	3245451	3548130	4179143	5176367	5829437	6060510	6643232

Table – 25
Gross State Value Added and Net State Value Added
Livestock Sector (at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Value of Output	2627846	2754661	2902221	3068919	3255427	3470160	3783996	4115313	4480606	4336978	4479064
2	Less: Inputs	736706	751139	767400	785409	805106	827378	852434	643412	630244	617175	636027
2.1	Repairs & Maintenance	14104	15242	16654	18075	19236	20770	22599	24303	26337	27368	28204
2.2	Feed of Livestock	722572	735866	750714	767301	785837	806561	829745	619013	603816	589719	607732
2.3	Market Charges	30	31	32	33	33	47	90	96	91	88	91
3	Gross State Value Added (unadjusted)	1891140	2003522	2134821	2283510	2450321	2642782	2931562	3471901	3850362	3719803	3843037
4	Less: FISIM	1324	861	1217	3061	3428	1691	2627	4299	2736	2793	2812
5	Gross State Value Added	1889817	2002661	2133604	2280449	2446893	2641092	2928936	3467602	3847626	3717010	3840225
6	Less: CFC	25544	28670	32152	35592	36388	36766	38897	41906	44407	43723	46083
7	Net State Value Added	1864273	1973991	2101453	2244857	2410505	2604325	2890039	3425695	3803219	3673287	3794142

FORESTRY AND LOGGING SECTOR

COVERAGE

5.1 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 OF MATERIAL

Estimates at Current Prices

5.2 The estimates of State Domestic Product from this sector have been prepared by following the production approach. The major sources of forest statistics are the O/o Principal Chief Conservator of Forests, Haryana and the NSO.

5.3 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 NSO, 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 value of output of industrial wood obtained from social forests and trees outside forests (TOF) is compiled using projected production and current year price. The production from social forests and TOF is projected on the basis of potential production from TOF in the year of survey and growth rate of growing stock of TOF available from India State of Forest Report (ISFR), 2011 and 2013 from Forest Survey of India (FSI). The current year price is worked out by moving the base year price with the growth rate in price of industrial wood from forests. However, the data regarding the value of output of industrial wood obtained from social forests and TOF is compiled by the NSO.

5.4 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. The value of output of fodder is compiled by using value of roughages (as estimated for the feed of livestock in Crops and Livestock sectors) and percentage of livestock dependent on forest for fodder (0.02%). The percentage of livestock dependent on forest for fodder (0.02%) is available from ISFR, 2013 from FSI.

5.5 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 areas is available from the NSS, 68th round (2011-12), Consumer Expenditure Survey (CES). To arrive at the total quantity of fuel wood consumed during the year 2011-12, 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, 61st round (2004-05). The per head quantity of fuel wood consumed for 30 days during the year 2011-12 has been projected to the subsequent years by using the compound growth rate observed between per head consumption of fuel wood based on 2004-05 and 2011-12 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 Crops sector.

5.6 As suggested by the NSO on the basis of the results of ASI 2011-12, the value of fuel wood consumed for industrial and religious purpose has been estimated as 7.64 percent of the value of fuel wood consumption of the households adjusted for the agricultural by-products.

5.7 To arrive at the estimates of gross value added, deductions have been made for the expenditure incurred on repairs, maintenance and other operational costs. As suggested by the NSO, expenditure on repairs, maintenance and other operational costs has been taken as 16.2 percent of the total value of output.

Estimates at Constant Prices

5.8 In case of TOF, fuel wood, by-products and roughages 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 (2011-12) prices. In case of industrial wood obtained from forest sources and minor products worked out from revenue collected from minor forest products, the value of output at current prices has been deflated with the help of specially prepared index of wholesale prices of TOF and fuel wood, which is given as under:-

Item	TOF Fuel Wood	
Wholesale price in current year	P11	P12
Wholesale price in 2011-12	P01	P02
Out-turn during current year	Q1	Q2
Index number of implicit prices of TOF and fuel wood for current year with 2011-12 as base	<u>Q1. P11 + Q2. P12</u>	
	<u>Q1. P01 + Q2. P02</u>	

The same proportion of expenditure on repairs, maintenance and other operational costs (16.2%) to the total value of output as for estimates of current prices have been used to obtain the corresponding estimates of GVA at constant prices.

5.9 From the GVA obtained from Forestry and Logging sector, FISIM has been deducted. The estimates of CFC supplied by the NSO are deducted to arrive at the NVA.

The detailed estimates of GVA and NVA from Forestry and Logging sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 26 and 27**.

Table – 26
Gross State Value Added and Net State Value Added
Forestry and Logging Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Value of Output	465576	516854	478074	455624	487470	364661	498755	550416	542969	571363	616994
1.1	Industrial Wood	426769	468001	441226	430185	474072	337461	479600	548955	546947	579260	627628
1.2	Fuel Wood	37821	47799	35718	24219	12115	25826	17706	-75	-5618	-9648	-12502
1.3	Minor Forest Products	870	933	1000	1072	1149	1232	1320	1415	1517	1626	1744
1.4	Fodder	116	121	130	148	134	143	129	121	123	125	125
2	Less: Repairs, Maintenance & Other Operational Costs	75423	83730	77448	73811	78970	59075	80798	89167	87961	92561	99953
3	Gross State Value Added (unadjusted)	390153	433123	400626	381813	408500	305586	417957	461248	455008	478802	517041
4	Less: FISIM	663	563	280	1069	694	489	167	291	155	260	259
5	Gross State Value Added	389490	432560	400345	380744	407805	305097	417790	460958	454853	478542	516783
6	Less: CFC	4259	4828	4529	3756	3819	2389	3809	4214	4095	4372	4703
7	Net State Value Added	385231	427732	395816	376988	403986	302709	413981	456744	450758	474170	512080

Table – 27
Gross State Value Added and Net State Value Added
Forestry and Logging Sector (at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Value of Output	465576	450808	439164	466280	476249	343249	402598	446078	511705	530661	549993
1.1	Industrial Wood	426769	417964	408638	438680	453569	322828	391200	442795	513589	536405	558578
1.2	Fuel Wood	37821	31904	29489	26399	21449	19125	10188	2009	-3424	-7368	-10258
1.3	Minor Forest Products	870	830	929	1091	1122	1189	1105	1168	1434	1517	1566
1.4	Fodder	116	110	108	111	108	107	106	106	106	107	107
2	Less: Repairs, Maintenance & Other Operational Costs	75423	73031	71145	75537	77152	55606	65221	72265	82896	85967	89099
3	Gross State Value Added (unadjusted)	390153	377777	368020	390742	399096	287642	337377	373814	428809	444694	460894
4	Less: FISIM	663	561	275	1019	658	460	148	239	120	198	189
5	Gross State Value Added	389490	377216	367745	389724	398438	287182	337229	373575	428689	444496	460705
6	Less: CFC	4259	4481	4011	3226	3374	2061	3108	3246	3125	3247	3594
7	Net State Value Added	385231	372735	363734	386498	395064	285121	334121	370329	425564	441249	457112

FISHING SECTOR

COVERAGE

6.1 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 OF MATERIAL

Estimates at Current Prices

6.2 The estimates of GVA 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.

6.3 To arrive at GVA, 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 taken 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 NSO.

Estimates at Constant Prices

6.4 For estimation of value of output at constant prices, production of fish for each year has been valued at 2011-12 prices. The same proportion of expenditure on repairs, maintenance and other operational costs as for estimates of current prices has been used to obtain estimates of GVA at constant prices.

6.5 From the GVA obtained from Fishing sector, FISIM has been deducted. The estimates of CFC supplied by the NSO are deducted to arrive at NVA.

The detailed estimates of GVA and NVA from Fishing sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 28 and 29**.

Table – 28
Gross State Value Added and Net State Value Added
Fishing Sector (at Current Prices)

(₹ Lakh)												
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Value of Output	95400	111480	105580	122323	97701	117259	157250	194327	193471	214080	216286
1.1	Inland Fish	95400	111480	105580	122323	96800	115368	152000	180069	190012	203160	206132
1.2	Prawn	0	0	0	0	901	1891	5250	14258	3459	10920	10154
2	Less: Repairs, Maintenance & Other Operational Costs	9540	11148	10558	12232	9883	11962	16381	21215	19779	22773	22898
2.1	Inland Fish – 10%	9540	11148	10558	12232	9680	11537	15200	18007	19001	20316	20613
2.2	Prawn – 22.5%	0	0	0	0	203	425	1181	3208	778	2457	2285
3	Gross State Value Added unadjusted for FISIM	85860	100332	95022	110091	87818	105297	140869	173112	173691	191307	193388
4	Less: FISIM	17	10	10	11	35	21	14	17	9	13	14
5	Gross State Value Added	85843	100322	95012	110080	87783	105276	140855	173095	173682	191294	193375
6	Less: CFC	10090	11259	10013	11734	12353	13253	15984	12267	12382	14096	15857
7	Net State Value Added	75753	89063	84999	98346	75430	92023	124871	160827	161300	177197	177518

Table – 29
Gross State Value Added and Net State Value Added
Fishing Sector (at Constant Prices)

(₹ Lakh)												
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Value of Output	95400	100332	95022	100083	111920	131140	174751	172246	173481	190644	192772
1.1	Inland Fish	95400	100332	95022	100083	108900	129789	171001	162062	171011	182844	185519
1.2	Prawn	0	0	0	0	3020	1351	3750	10185	2471	7800	7253
2	Less: Repairs, Maintenance & Other Operational Costs	9540	10033	9502	10008	11570	13283	17944	18498	17657	20039	20184
2.1	Inland Fish – 10%	9540	10033	9502	10008	10890	12979	17100	16206	17101	18284	18552
2.2	Prawn – 22.5%	0	0	0	0	680	304	844	2292	556	1755	1632
3	Gross State Value Added unadjusted for FISIM	85860	90299	85519	90075	100350	117857	156807	153749	155824	170605	172588
4	Less: FISIM	17	10	9	10	33	20	12	14	7	10	10
5	Gross State Value Added	85843	90289	85510	90064	100317	117837	156794	153734	155817	170595	172578
6	Less: CFC	10090	10621	8785	10368	10793	11796	14257	10677	10436	11628	12080
7	Net State Value Added	75753	79668	76725	79696	89524	106041	142537	143058	145381	158966	160498

MINING AND QUARRYING SECTORS

COVERAGE

7.1 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 OF MATERIAL

Estimates at Current Prices

7.2 The estimates of 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.

7.3 The methodology for compilation of GVA from major minerals has been revised in this series with base year 2011-12. In the old series, estimates of production and input costs were taken from the Indian Bureau of Mines (IBM). In this series, the GVA at basic prices has been computed first at National level using the annual financial statements of public sector companies, MCA21 database for the annual reports of private sector companies and input rates of major minerals supplied by the IBM Nagpur and then allocated to States on the basis of some suitable indicators.

7.4 The value of output of minor minerals for the year 2010-11 has been obtained from the Mines and Geology Department. The output for 2010-11 has been moved to subsequent years with the growth of revenue receipts of the Mines and Geology Department. The inputs rates supplied by the IBM, Nagpur are used for estimation of State GVA. Thus, there is no change in the estimation procedure of minor minerals in this series except that of sand. An indirect estimate of the value of output of 'extraction of sand' at basic prices is derived through the value of commodities used for 'construction'. As per the study conducted by the Central Building Research Institute, the value of output for sand at

National level is estimated as 7.21 percent of the total value of material inputs used in construction adjusted for Trade & Transport Margin (TTM). Further, the GVA of sand at National level is derived using the input rate obtained from IBM for sand and then allocated to States on the basis of value of production of sand received from the States.

7.5 The GVA compiled separately for major and minor minerals in the earlier paragraphs is then added to reach at total GVA of Mining and Quarrying sector at current prices.

Estimates at Constant Prices

7.6 The value of output of major minerals at constant (2011-12) prices has been derived by deflating the gross value of output of each mineral at current prices with the all India ratio of value of output of minor minerals at current to constant (2011-12) prices. The adjustment for value of inputs is done to arrive at GVA at constant prices.

7.7 From the GVA obtained from this sector, FISIM has been deducted. The estimates of CFC supplied by the NSO are deducted to arrive at NVA.

The detailed estimates of Mining and Quarrying sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 30 and 31**.

Table – 30
Gross State Value Added and Net State Value Added
Mining and Quarrying Sector (at Current Prices)

(₹ Lakh)												
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Value of Output	13986	11790	36061	43699	77971	59888	139762	115189	203938	186455	179430
1.1	Major Minerals	48	43	206	192	155	289	346	564	455	0	0
1.2	Minor Minerals	13938	11747	35855	43507	77816	59599	139416	114625	203483	186455	179430
2	Less: Inputs	2029	1710	5220	8105	13843	9423	32609	27477	56114	51418	49481
2.1	Major Minerals	0	0	0	0	0	0	0	0	0	0	0
2.2	Minor Minerals	2029	1710	5220	8105	13843	9423	32609	27477	56114	51418	49481
3	Gross State Value Added (unadjusted)	11956	10080	30840	35594	64127	107647	107152	87838	147824	135037	129949
3.1	Major Minerals	48	43	206	192	155	289	346	564	455	0	0
3.2	Minor Minerals	11908	10037	30634	35402	63972	107358	106806	87274	147369	135037	129949
4	Less: FISIM	74	67	197	206	423	904	997	747	1552	1620	1754
5	Gross State Value Added	11882	10013	30643	35388	63704	106743	106156	87091	146272	133416	128194
6	Less: CFC	1467	1311	4402	5347	10404	16047	12727	13642	25910	27767	26677
7	Net State Value Added	10415	8702	26241	30041	53300	90696	93429	73449	120362	105649	101517

Table – 31
Gross State Value Added and Net State Value Added
Mining and Quarrying Sector (at Constant Prices)

(₹ Lakh)												
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Value of Output	13986	10831	32077	40867	85019	66742	85845	102118	74168	107991	88876
1.1	Major Minerals	48	40	183	180	169	322	355	500	408	0	0
1.2	Minor Minerals	13938	10792	31893	40688	84850	66420	85490	101618	73760	107991	88876
2	Less: Inputs	2029	1571	4644	7580	15095	10501	19996	24359	20341	29780	24509
2.1	Major Minerals	0	0	0	0	0	0	0	0	0	0	0
2.2	Minor Minerals	2029	1571	4644	7580	15095	10501	19996	24359	20341	29780	24509
3	Gross State Value Added (unadjusted)	11956	9260	27433	33287	69924	119968	109787	77870	132672	122205	117601
3.1	Major Minerals	48	40	183	180	169	322	355	500	408	0	0
3.2	Minor Minerals	11908	9221	27250	33108	69755	119646	109433	77370	132264	122205	117601
4	Less: FISIM	74	66	193	197	401	853	884	613	1201	1232	1283
5	Gross State Value Added	11882	9194	27240	33090	69523	119115	108903	77257	131471	120973	116318
6	Less: CFC	1467	1249	4032	4604	8707	13212	10213	10598	19510	20268	19483
7	Net State Value Added	10415	7945	23208	28486	60816	105903	98690	66659	111961	100705	96835

MANUFACTURING SECTOR

COVERAGE

8.1 The manufacturing sector covers all manufacturing, processing and repairs & maintenance services units irrespective of their employment size, investment and location. In the old series, manufacturing was categorised into two segments- registered and unregistered manufacturing. 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 railway workshops, currency coinage & mints, ordnance 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. 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. In the current series with base year 2011-12, the Manufacturing sector has been classified into Organised Manufacturing and Unorganised Manufacturing. One of the major changes in the current series is that 'Recycling' and 'Publishing of books, periodicals and other publishing activities' included in the manufacturing sector in the old series would be the part of 'Remediation Activities and Other Utility Services' and 'Services related to broadcasting' respectively in the current series.

METHODOLOGY AND SOURCE OF MATERIAL

Estimates at Current Prices

8.2 In the current series, there have been changes in the estimates due to adoption of National Industrial Classification – 2008 system (NIC-2008) for more contemporary industrial classification, enterprise approach for organised manufacturing and ‘Effective Labour Input Method’ for the unincorporated manufacturing enterprises.

Organised Manufacturing

8.3 In the old series, GVA estimates of registered manufacturing were compiled by following the production approach and total estimate was derived using the three data sources i.e. Annual Survey of Industries (ASI), Railway workshops and Currency, Coinage and Defence manufacturing. The establishment approach was followed in estimating the GVA in the Annual Survey of Industries i.e. the focus of survey is the factory, where primarily manufacturing activity takes place, implying thereby that other activities such as trading or other services of the head office conducted outside the surveyed factory were not included in 2004-05 series. However, enterprise approach was adopted for Railway workshops and Currency, Coinage and Defence manufacturing.

8.4 In this series, enterprise approach has been adopted for compilation of GVA. Till recently, the Annual Survey of Industries (ASI) was the only comprehensive source of data for the Registered Manufacturing sector. However, ASI provides estimates for the manufacturing establishments only, and therefore, does not provide any estimate for trading and other activities that may be provided elsewhere by the enterprise. Therefore, the services carried out by the manufacturing enterprises were not adequately covered in the national accounts. With the availability of the comprehensive MCA21 database, this data gap could be addressed by using the ‘enterprise approach’ for manufacturing also. In this series, estimates at National level have been derived using the annual accounts of Non Departmental Enterprises (NDE), MCA21 data base for private corporate sector and ASI data for quasi-corporations, apart from the budget documents of Departmental Enterprises (DEs), like railway workshops, GOI printing press and ordnance factories. ASI captures the data by type of organisation such as private and public limited companies, NDEs, proprietary and partnership factories, Hindu undivided family, KVIC etc. Annual accounts of DEs, NDEs and private corporate sector being already available, the estimates relating to the Non-Government unincorporated enterprises, which include partnership and proprietorship enterprises in ASI have been estimated and are classified as quasi-corporations. These enterprises being small in size, their coverage from ASI has been

treated as of enterprise even if the data is collected through establishment approach. In addition, in accordance with the recommendation of SNA 2008, unincorporated manufacturing enterprises maintaining accounts are quasi-corporations and therefore, their estimates have been included in organised manufacturing. For obtaining estimates of GVO/GVA by compilation category in case of private corporate sector, the estimates as obtained as the sum of all enterprises have been apportioned using the corresponding share in ASI. Thus, the estimates for organised manufacturing at National level are compiled using production approach by summing up the estimates from DEs, NDEs, private corporate sector enterprises, non-corporate manufacturing establishments covered under ASI and the quasi-corporations of the unincorporated enterprises.

8.5 The GVA of public corporations namely railway workshops and production units compiled at National level is allocated to States on the basis of sanctioned strength of employees in case of Railway workshops and State-wise salaries in case of production units. In case of other public corporations viz. Central DEs, estimate of GVA compiled at National level are allocated to the States on the basis of location of the DE. In the remaining public corporations i.e, NDEs, National GVA are allocated to States in the case of multi-state NDEs. Compensation of Employees (CE) is distributed on the basis of the State-wise number of employees in that NDE, while Operating Surplus (OS) is distributed in proportion to the State-wise gross block (value of assets) of that NDE. The estimates of GVA compiled for the private sector companies using MCA21 database are allocated to States (by compilation category) on the basis of State-wise value added in manufacturing (total, not institution-wise) as per the last available ASI. In case of quasi- corporations (factories covered under ASI but not registered under Companies Act), State-wise estimate of GVA (by compilation category) is obtained from ASI. Till ASI becomes available, estimates of the proceeding year are extrapolated using IIP and WPI.

Unorganised Manufacturing

8.6 The unorganised manufacturing consists of the household enterprises. In the old series, the GVA was estimated by following the income approach. The base year estimate of unregistered manufacturing was estimated as a combination of GVA from MSME sector and residual unregistered sector using the labour input method. The base year GVA of MSME (Micro, Small and Medium Enterprises) (other than those covered under ASI) was obtained by applying the GVA/GVO ratio of Directory Establishments (as derived from the NSS 62nd round Survey on Manufacturing Enterprises) to the GVO obtained from MSME Census of 2006-07 released by the Development Commissioner, MSME. The GVA of the

residual unregistered sector (the manufacturing activity not covered under ASI or MSME) was obtained by multiplying the GVA per worker (from 62nd round) and labour input from 61st round EUS after making suitable adjustments for the labour input in MSME. The above industrial group-wise gross value added compiled for base year (2004-05) was moved to subsequent years at current and constant prices with the help of group-wise index of industrial production and wholesale price index.

8.7 In the current series, the effective labour input method has been used for compilation category-wise estimation of base year GVA of unincorporated manufacturing enterprises at National level from the NSS 67th round. The NSS 67th round survey was conducted on Unincorporated Enterprises in 2010-11 and NSS 68th round was on Employment Unemployment Survey in 2011-12. GVA compiled at National level for the year 2011-12 is allocated using State-wise benchmark estimates of GVA compiled using value added per effective worker from NSS 67th round and number of effective workers from NSS 68th round. The benchmark State-wise estimates are then moved to subsequent years using the State's growth rate of GVA-manufacturing as estimated by ASI to get the State-level estimate. The compilation category-wise estimates are compiled by allocating the State's estimate using base year structure of the State's GVA by compilation category. For the year when ASI is not available, the proceeding year estimates are moved using IIP and WPI.

Estimates at constant prices

8.8 The current prices estimates of GVA (compilation category-wise) in case of both organised and unorganised sectors are deflated with the relevant WPI to compile the estimates at constant (2011-12) prices.

8.9 From the GVA obtained from Manufacturing sector as a whole, FISIM has been deducted. The estimates of CFC supplied by the NSO are deducted to arrive at the NVA.

The detailed estimates of Manufacturing sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 32 and 33**.

Table – 32
Gross State Value Added and Net State Value Added
Manufacturing Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	NIC-2008	2011-12	2012-13	2013-14	2014-15	2015-16
1	2	3	4	5	6	7	8
1	Production, processing and preservation of meat, fish, fruit, vegetables, oils and fats	101-104	8636	9635	14011	14908	23107
2	Manufacture of dairy products	105	19935	-3222	14409	48654	85760
3	Manufacture of grain mill products, etc. and animal feeds	106+108	353205	537316	299637	-15603	98235
4	Manufacture of other food products	107	87466	161311	170784	71611	107233
5	Manufacture of beverages	11	62225	59977	65992	79415	103283
6	Manufacture of tobacco products	12	71233	91549	100612	44968	60425
7	Manufacture of textiles + cotton ginning	13+01632	199781	234230	816280	326991	266894
8	Manufacture of wearing apparel, except custom tailoring	14-14105	256218	324245	341989	320935	380525
9	Manufacture of leather and related products	15	134733	68260	113633	120689	154453
10	Manufacture of Basic Iron and Steel + Casting of iron and steel	241+2431	203206	198090	230266	367677	242214
11	Manufacture of basic precious and non-ferrous metals + Casting of non-ferrous metals	242+2432	37596	74010	79462	947017	101085
12	Manufacture of fabricated metal products, except machinery and equipments	25	225972	266855	351925	407757	379225
13	Manufacture of electronic component, consumer electronics, magnetic and optical media	261+264+268	25134	21523	32665	42048	45455
14	Manufacture of computer and peripheral equipment	262	6310	6423	5999	5717	8860
15	Manufacture of communication equipments	263	30101	102886	113321	174961	34578
16	Manufacture of optical and electronics products n.e.c	265+266+267	12092	26703	23879	21740	25157
17	Manufacture of Electrical equipments	27	302166	229146	266049	330214	356050
18	Manufacture of machinery and equipments n.e.c	28	602212	547382	545838	489247	491991
19	Manufacture of Transport	29+30	1776604	2749184	2686642	3018074	3464911
20	Manufacture of coke and refined petroleum products	19	452608	504636	553178	364975	1558580
21	Manufacture of chemical and chemical products except pharmaceuticals, medicinal and botanical products	20	128769	113628	159043	325907	369722
22	Manufacture of pharmaceutical; medicinal chemicals and botanical products	21	68956	55216	66785	115266	74305
23	Manufacture of rubber & plastic products	22	124200	118470	192282	236309	182631
24	Manufacture of other non-metallic mineral products	23	115505	134626	134384	178470	224363
25	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting material	16	45328	61024	66957	47721	61984
26	Manufacture of paper and paper products	17	62523	66969	67408	75845	98243
27	Printing and reproduction of recorded media except publishing	18	42819	47906	64003	46790	60169
28	Manufacture of furniture	31	36372	48015	50436	27950	30837
29	Other Manufacturing	32	69470	102217	112460	92646	115217
30	Repair and installation of machinery and equipments	33	10736	10059	9578	8093	6719
31	Gross State Value Added (unadjusted)		5572110	6968270	7749908	8336995	9212208
32	Less : FISIM		243501	304513	363471	366828	372173
33	Gross State Value Added		5328609	6663757	7386437	7970167	8840035
34	Less : CFC		873880	1119087	1004707	1263373	1437431
35	Net State Value Added		4454729	5544670	6381731	6706794	7402604

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**Gross State Value Added and Net State Value Added
Manufacturing Sector (at Current Prices)**

(₹ Lakh)

Sr. No.	Items	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8
1	Production, processing and preservation of meat, fish, fruit, vegetables, oils and fats	20486	43704	63632	71673	72851	97295
2	Manufacture of dairy products	70482	92717	92716	101998	103656	109524
3	Manufacture of grain mill products, etc. and animal feeds	290286	273072	300105	355901	354697	378006
4	Manufacture of other food products	184809	198144	272046	290304	287583	308449
5	Manufacture of beverages	91536	135509	182424	142691	144766	172610
6	Manufacture of tobacco products	64675	118311	176239	153617	140518	156575
7	Manufacture of textiles + cotton ginning	392660	390416	580876	573583	583006	799191
8	Manufacture of wearing apparel, except custom tailoring	402112	485259	749680	704866	713125	925540
9	Manufacture of leather and related products	154818	211545	301857	327567	332581	365940
10	Manufacture of Basic Iron and Steel + Casting of iron and steel	353468	394605	380984	408844	415355	565216
11	Manufacture of basic precious and non-ferrous metals + Casting of non-ferrous metals	120811	109811	148475	149727	152323	208591
12	Manufacture of fabricated metal products, except machinery and equipments	345398	445999	606664	804873	802462	998297
13	Manufacture of electronic component, consumer electronics, magnetic and optical media	48249	57243	83807	86070	86343	97001
14	Manufacture of computer and peripheral equipment	1224	3017	3228	115210	116770	153214
15	Manufacture of communication equipments	22224	34469	47511	33397	33534	37783
16	Manufacture of optical and electronics products n.e.c	28314	44868	55111	57555	58346	65555
17	Manufacture of Electrical equipments	414263	467618	494966	702659	709730	833736
18	Manufacture of machinery and equipments n.e.c	616606	864857	1086675	1180771	1181745	1378384
19	Manufacture of Transport	3424479	4486901	4916291	4808732	4877704	5759959
20	Manufacture of coke and refined petroleum products	2116248	853329	798642	-237850	50211	77004
21	Manufacture of chemical and chemical products except pharmaceuticals, medicinal and botanical products	374773	461927	599276	627625	646882	747074
22	Manufacture of pharmaceutical; medicinal chemicals and botanical products	90923	115217	189893	154860	156635	162707
23	Manufacture of rubber & plastic products	190822	276169	487755	552837	558573	652696
24	Manufacture of other non-metallic mineral products	218784	295199	340075	352225	352486	416278
25	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting material	44762	55621	74619	102730	97407	116203
26	Manufacture of paper and paper products	95755	148185	194289	223850	223595	295878
27	Printing and reproduction of recorded media except publishing	66437	72432	89920	103680	100221	122320
28	Manufacture of furniture	40792	49185	81452	119198	113215	155923
29	Other Manufacturing	135026	208775	301625	321054	320603	427081
30	Repair and installation of machinery and equipments	9958	8221	10383	7615	6802	7934
31	Gross State Value Added (unadjusted)	10431180	11402327	13711215	13397862	13793725	16591963
32	Less : FISIM	390126	404783	507043	531840	568542	713277
33	Gross State Value Added	10041054	10997545	13204172	12866022	13225183	15878686
34	Less : CFC	1539965	1595499	1961711	1991930	2090031	2477075
35	Net State Value Added	8501089	9402045	11242461	10874092	11135152	13401611

Table – 33
Gross State Value Added and Net State Value Added
Manufacturing Sector (at Constant Prices)

(₹ Lakh)

Sr. No.	Items	NIC-2008	2011-12	2012-13	2013-14	2014-15	2015-16
1	2	3	4	5	6	7	8
1	Production, processing and preservation of meat, fish, fruit, vegetables, oils and fats	101-104	8636	9086	13185	14185	22514
2	Manufacture of dairy products	105	19935	-3119	12785	39332	69385
3	Manufacture of grain mill products, etc. and animal feeds	106+108	353205	471537	237516	-12180	76998
4	Manufacture of other food products	107	87466	147711	151776	62542	95758
5	Manufacture of beverages	11	62225	57394	59938	70093	90679
6	Manufacture of tobacco products	12	71233	84455	87948	36471	45432
7	Manufacture of textiles + cotton ginning	13+01632	199781	225221	730126	290143	244633
8	Manufacture of wearing apparel, except custom tailoring	14-14105	256218	288989	290560	261774	295668
9	Manufacture of leather and related products	15	134733	63616	98983	99991	126601
10	Manufacture of Basic Iron and Steel + Casting of iron and steel	241+2431	203206	188783	225668	359708	269239
11	Manufacture of basic precious and non-ferrous metals + Casting of non-ferrous metals	242+2432	37596	70998	74568	869197	99769
12	Manufacture of fabricated metal products, except machinery and equipments	25	225972	258580	341675	385403	358097
13	Manufacture of electronic component, consumer electronics, magnetic and optical media	261+264+268	25134	21169	31821	40941	44179
14	Manufacture of computer and peripheral equipment	262	6310	6712	6102	4713	6949
15	Manufacture of communication equipments	263	30101	100084	106007	163210	32900
16	Manufacture of optical and electronics products n.e.c	265+266+267	12092	25950	22668	20059	23454
17	Manufacture of Electrical equipments	27	302166	221611	253864	301566	326651
18	Manufacture of machinery and equipments n.e.c	28	602212	528361	515915	451752	450542
19	Manufacture of Transport	29+30	1776604	2682753	2527315	2771331	3164170
20	Manufacture of coke and refined petroleum products	19	452608	462821	468639	337078	1928705
21	Manufacture of chemical and chemical products except pharmaceuticals, medicinal and botanical products	20	128769	104920	140374	280713	328350
22	Manufacture of pharmaceutical; medicinal chemicals and botanical products	21	68956	52687	61666	100669	62599
23	Manufacture of rubber & plastic products	22	124200	114243	174643	211368	168790
24	Manufacture of other non-metallic mineral products	23	115505	125583	125008	160351	203043
25	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting material	16	45328	55026	56362	38299	47680
26	Manufacture of paper and paper products	17	62523	64642	61169	66531	87172
27	Printing and reproduction of recorded media except publishing	18	42819	43354	53920	37076	44210
28	Manufacture of furniture	31	36372	45555	45234	23991	27362
29	Other Manufacturing	32	69470	106034	117513	87900	98560
30	Repair and installation of machinery and equipments	33	10736	9710	9053	7472	6153
31	Gross State Value Added (unadjusted)		5572110	6634466	7102000	7581677	8846241
32	Less : FISIM		243501	303300	356099	349593	352604
33	Gross State Value Added		5328609	6331166	6745901	7232084	8493638
34	Less : CFC		873880	1078134	941046	1136632	1285930
35	Net State Value Added		4454729	5253032	5804855	6095452	7207708

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**Gross State Value Added and Net State Value Added
Manufacturing Sector (at Constant Prices)**

(₹ Lakh)

Sr. No.	Items	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8
1	Production, processing and preservation of meat, fish, fruit, vegetables, oils and fats	18584	38978	53372	59254	51338	54173
2	Manufacture of dairy products	53275	65248	68073	70344	70562	73309
3	Manufacture of grain mill products, etc. and animal feeds	208169	197096	210183	237661	242669	247038
4	Manufacture of other food products	145393	153951	222219	225209	216133	222305
5	Manufacture of beverages	78842	113969	151138	115446	116278	136128
6	Manufacture of tobacco products	45674	79724	117180	100142	89388	97737
7	Manufacture of textiles + cotton ginning	353112	344282	492685	487326	495754	591118
8	Manufacture of wearing apparel, except custom tailoring	306955	354462	540116	509665	514521	646778
9	Manufacture of leather and related products	126279	176140	247830	276194	282087	306997
10	Manufacture of Basic Iron and Steel + Casting of iron and steel	396712	394832	339498	385545	373444	403105
11	Manufacture of basic precious and non-ferrous metals + Casting of non-ferrous metals	120453	101732	132351	139882	135767	149758
12	Manufacture of fabricated metal products, except machinery and equipments	328638	407305	527075	696859	692374	764979
13	Manufacture of electronic component, consumer electronics, magnetic and optical media	47033	55397	81618	87354	87453	93626
14	Manufacture of computer and peripheral equipment	961	2368	2436	85341	86624	113744
15	Manufacture of communication equipments	21349	31166	40712	28544	29185	31046
16	Manufacture of optical and electronics products n.e.c	25418	39516	47972	49349	50824	56238
17	Manufacture of Electrical equipments	382868	426659	443120	631320	624762	681713
18	Manufacture of machinery and equipments n.e.c	571461	794175	976347	1044006	1036619	1148653
19	Manufacture of Transport	3120892	4057772	4369025	4168035	4068415	4610128
20	Manufacture of coke and refined petroleum products	2616959	946328	780397	-239540	56261	60731
21	Manufacture of chemical and chemical products except pharmaceuticals, medicinal and botanical products	337634	410602	503171	534149	547278	559606
22	Manufacture of pharmaceutical; medicinal chemicals and botanical products	75959	95064	153760	121649	119660	119725
23	Manufacture of rubber & plastic products	177509	256663	445032	509527	501862	522994
24	Manufacture of other non-metallic mineral products	199257	261933	293421	301821	299733	336522
25	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting material	34486	42298	55894	76836	72368	82414
26	Manufacture of paper and paper products	84292	124630	157574	184847	183726	215184
27	Printing and reproduction of recorded media except publishing	47085	50405	61337	68845	65163	77516
28	Manufacture of furniture	35751	40885	63984	91061	84996	103880
29	Other Manufacturing	112804	191186	281892	284875	242148	309704
30	Repair and installation of machinery and equipments	9229	7549	9328	6733	5967	6612
31	Gross State Value Added (unadjusted)	10083033	10262316	11868746	11338279	11443359	12823461
32	Less : FISIM	367281	359175	416348	411634	432302	516528
33	Gross State Value Added	9715752	9903141	11452398	10926645	11011058	12306934
34	Less : CFC	1380354	1400680	1665655	1661522	1719222	1858347
35	Net State Value Added	8335398	8502460	9786743	9265123	9291836	10448587

ELECTRICITY, GAS, WATER SUPPLY AND OTHER UTILITY SERVICES SECTORS

COVERAGE

9.1 The economic activities covered in this sector in the previous series were:

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

The operation of irrigation system is, however, excluded from this sector and is covered in 'Agriculture sector'. The output of Liquefied Petroleum Gas (LPG) has been included under manufacturing sector as the production of LPG is essentially a manufacturing activity.

- (i) In addition to the three activities as given at points No. (i), (ii) and (iii), one more activity viz. remediation and other utility services has also been included under this sector in this series with base year 2011-12.

METHODOLOGY AND SOURCE OF MATERIAL

Estimates at Current Prices

Electricity

9.2 The estimates of this sector have been obtained by following the production approach. The estimates are compiled through the enterprise approach, by aggregating the estimates for DEs, NDEs and companies in the private corporate sector. The GVA at National level from public corporations (DEs and NDEs) are compiled using their budget documents and annual reports. GVA of Central DEs is allocated to the States on the basis of the location of the DE. The estimates of GVA of NDEs viz; power generating companies are allocated on the basis of State-wise electricity generated. In case of National GVA of NDEs namely power grid corporations, CE is distributed to States in proportion to State-wise employment in that NDE, while OS is distributed in proportion to the State-wise gross block (value of assets) of that NDE. The estimates of National GVA from private corporations compiled using MCA21 data base for the annual reports of private sector companies are allocated on the basis of sum of number of units of electricity generated and number of units of electricity sold by private companies.

9.3 In case of Haryana State, the estimates of GVA from six separate bodies namely Haryana Vidyut Parsaran Nigam Ltd., Haryana Power Generation Corporation Ltd., Uttar

Haryana Bijli Vitran Nigam Ltd., Dakshin Haryana Bijli Vitran Nigam Ltd., Jhajjar Power Ltd. and Aravali Power Corporation 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 GVA from electricity. The GVA from other four bodies, i.e., Rural Electrification Corporation Limited, Satluj Jal Vidyut Nigam Ltd., Power Generation Corporation and National Thermal Power Corporation has been prepared and supplied by the NSO.

9.4 Further, companies engaged in production of electricity through ‘wind/renewable energy’ have been covered through the MCA21 database.

9.5 The GVA of all above ten bodies engaged in generation, transmission and distribution of electric energy in the State and GVA from wind/renewable energy are added to reach at the total GVA from electricity at current prices.

Gas

9.6 There is no change in the methodology and estimates are compiled by following the production approach through the enterprise approach, by aggregating the estimates for NDEs, companies in the private corporate sector and manufacturing of gas in households through bio- gas plants (gobar gas). The estimates for gohar gas have been classified under the ‘Households’ sector. Further, as in other cases, companies in the private corporate sector are being captured through the MCA21 database.

9.7 The estimates of GVA from NDE namely GAIL India Ltd. compiled from the annual report of the company is allocated to the States based on State-wise gas sold by the NDE. The estimates of State GVA in respect of gohar gas are prepared by multiplying the total number of plants installed up to the current year by value of production per plant. The State-wise data regarding number of plants installed is made available by the Ministry of Non-conventional Energy Sources and the State-wise value of production per plant is estimated on the basis of Khadi and Village Industry Commission (KVIC) data. This data is supplied by the NSO to the States. In the absence of input structure, the value of output of gohar 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 gohar used therein.

Water Supply

9.8 The GVA estimates for Water Supply in the State are obtained by aggregating those for State Administrative Department, companies in the private corporate sector and private

unincorporated enterprises (unorganised sector).

9.9 The Public Health Department, Haryana plays the most important role in the maintenance of water supply services in urban and rural areas of the State 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 areas 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. The GVA from private corporate sector compiled at National level using MCA21 data base for the annual reports of private companies is allocated to the States on the basis of State-wise annual wages of workers in the industry as per NSS 68th round. The base year estimates for the unorganised sector at National level have been compiled using the wages and the number of workers from the NSS 68th round Employment Unemployment Survey, duly adjusted for the population as per Census 2011. Then, the National level GVA of base year is allocated to the States on the basis of State-wise annual wages in the activity as per NSS 68th round. For subsequent years, the growth rate of GVA at current prices of private corporate sector at the National level is used. The GVA for subsequent years is allocated to States according to the base year proportions.

Remediation and other utility services

9.10 The estimates for this sector have been compiled by aggregating the estimates for recycling, sewerage, sanitation and other waste management services. The National estimates for recycling in the organised sector (public and private) have been obtained from ASI, while those for the remaining services (sewerage and sanitation) of organised sector have been compiled by aggregating the estimates of DEs obtained from analysis of budget document and estimates of the private corporations compiled using MCA21 data base. The National estimates for the unincorporated enterprises have been estimated using the NSS 67th round Survey on Unincorporated Enterprises, 2010-11 and NSS 68th round Employment and Unemployment Survey, 2011-12. The unincorporated enterprises are classified as quasi-corporations, if they are maintaining the accounts and otherwise, as household enterprises.

9.11 The State-wise GVA from recycling activity in case of public and private corporations including quasi-corporations is obtained from the results of ASI. For the year when ASI is not available, the previous year's estimates are moved using IIP and WPI. In

case of private unincorporated enterprises (household sector), the National GVA compiled for base year is allocated to the States on the basis of State-wise GVA as per NSS 67th round. Then the base- year estimates are moved to subsequent years using IIP and WPI.

9.12 In case of sewerage and sanitation, the State GVA of General Government including local bodies is compiled by the CSO using production approach and supplied to the State. The National GVA of private corporations from this activity is allocated to the State on the basis of base year State-wise GVA obtained from NSS 68th round. In case of private un-incorporated enterprises, the National GVA for base year is allocated to the State on the basis of State-wise GVA as per NSS 67th round. For the subsequent years, the growth rate of GVA of private corporate sector at current prices at the National level is used. The National GVA for subsequent years is then allocated according to the base year proportions.

Estimates at Constant Prices

9.13 The base year (2011-12) estimates of GVA 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.

9.14 In case of gas sub-sector, the GVA at current prices has been deflated with CPI (Misc.) to compile the GVA at constant (2011-12) prices.

9.15 In case of water supply sub-sector, estimates of GVA at current prices has been deflated with CPI (Misc.) to compile the GVA at constant (2011-12) prices.

9.16 The estimates of GVA from remediation and other utility services at current prices have been deflated with CPI (General) to work out GVA at constant prices.

9.17 From the GVA obtained from this sector, FISIM has been deducted. The estimates of CFC supplied by the NSO have been used to work out the estimates of NVA.

The detailed estimates of GVA and NVA from Electricity, Gas, Water Supply and Other Utility Services for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 34 and 35**.

Table – 34
Gross State Value Added and Net State Value Added
Electricity, Gas, Water Supply and Other Utility Services Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gross State Value Added (unadjusted)	370091	709434	1111995	1254523	1585441	1630518	1969295	1994053	1805902	1803200	1945298
1.1	Electricity	206243	500348	898471	1013938	1335354	1327040	1600187	1647325	1437044	1419147	1515658
1.2	Sewerage	23249	31035	32469	33723	40544	46727	55094	76989	84743	88137	96439
1.3	Gas	44565	62020	43046	36860	21149	27833	34917	45066	39623	30873	32940
1.4	Water Supply	96034	116031	138009	170002	188394	228918	279097	224673	244492	265042	300262
2	Less: FISIM	25487	61892	121943	130468	164432	151933	144005	166845	143601	176542	188809
2.1	Electricity	19181	52186	112489	121977	157171	143851	136336	155336	132163	162882	173959
2.2	Sewerage	2162	3237	4065	4057	4772	5065	4694	7260	7794	10116	11069
2.3	Gas	4145	6469	5389	4434	2489	3017	2975	4250	3644	3543	3781
2.4	Water Supply	0	0	0	0	0	0	0	0	0	0	0
3	Gross State Value Added	344604	647542	990052	1124055	1421009	1478585	1825290	1827208	1662301	1626658	1756490
3.1	Electricity	187062	448162	785982	891961	1178183	1183189	1463851	1491989	1304881	1256265	1341698
3.2	Sewerage	21087	27798	28404	29666	35772	41662	50400	69729	76949	78021	85370
3.3	Gas	40420	55551	37657	32426	18660	24816	31942	40816	35979	27329	29159
3.4	Water Supply	96034	116031	138009	170002	188394	228918	279097	224673	244492	265042	300262
4	Less: Consumption of Fixed Capital	115556	205959	339358	395606	464125	493749	557821	584872	508189	533708	576306
5	Net State Value Added	229048	441583	650694	728449	956884	984836	1267470	1242336	1154113	1092950	1180184

Table – 35
Gross State Value Added and Net State Value Added
Electricity, Gas, Water Supply and Other Utility Services Sector (at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gross State Value Added (unadjusted)	370091	399152	411189	451115	451848	499200	571756	560048	582732	567131	610147
1.1	Electricity	206243	203489	223664	247970	249325	263436	296292	314668	333970	324223	355109
1.2	Sewerage	23249	28559	27567	27146	31374	34643	39221	53272	56246	55520	57279
1.3	Gas	44565	58207	38030	31361	17274	21802	26269	32096	26849	19550	19550
1.4	Water Supply	96034	108898	121928	144639	153875	179319	209974	160012	165668	167839	178209
2	Less: FISIM	25487	61645	119470	124338	155786	143037	127777	137001	111144	134237	136994
2.1	Electricity	19181	43218	92377	100602	130352	117797	104647	107765	89000	108999	112627
2.2	Sewerage	2162	6065	11386	11013	16403	15491	13852	18244	14989	18665	18167
2.3	Gas	4145	12362	15707	12723	9031	9749	9278	10992	7155	6572	6200
2.4	Water Supply	0	0	0	0	0	0	0	0	0	0	0
3	Gross State Value Added	344604	337507	291719	326777	296061	356164	443979	423047	471588	432894	473153
3.1	Electricity	187062	160271	131287	147368	118973	145639	191645	206903	244970	215223	242483
3.2	Sewerage	21087	22493	16181	16133	14971	19152	25369	35028	41257	36855	39112
3.3	Gas	40420	45845	22323	18638	8243	12053	16991	21104	19694	12978	13350
3.4	Water Supply	96034	108898	121928	144639	153875	179319	209974	160012	165668	167839	178209
4	Less: Consumption of Fixed Capital	115556	198509	171531	192145	174084	209424	261059	248752	277294	254542	278214
5	Net State Value Added	229048	138998	120188	134632	121977	146739	182919	174295	194294	178352	194939

CONSTRUCTION SECTOR

COVERAGE

10.1 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 OF MATERIAL

Estimates at Current Prices

10.2 The Gross Value Added from Construction comprises the following components:-

- (i) Dwellings, Other Buildings & Structures (DOBS)
- (ii) Construction in plantations
- (iii) Mineral explorations.

10.3 GVA of Dwellings, Other Buildings & Structures further consists of two components namely (i) Pucca and (ii) Kutcha.

The former continues to be measured through the commodity flow approach and the latter through the expenditure approach at National level. However, in addition to these estimates, expenditure on construction activity in plantations and mineral explorations is separately estimated and included in GVA from construction. The broad methodology adopted in this series for estimating the total GVO and GVA from Construction Sector is broadly the same as the one used in earlier series except for some modifications and different data sources. The major revisions are due to the following:-

- (i) Use of financial reports as in MCA 21 database for estimation of GVA from Construction for private corporations.
- (ii) Revision in methodology for estimation of value of output for bricks and tiles used in construction.
- (iii) Estimation of value of output for bitumen and bitumen mixtures, and glass and glass products in addition to cement and cement products, iron and steel, bricks and

tiles, timber and fixtures and fittings used in Construction Sector.

- (iv) 'Other materials' to include service charges and therefore, presented as 'Other materials and Service charges' based on information received from study on cost of construction by CBRI.
- (v) Use of NSS 70th round, All India Debt and Investment Survey (AIDIS), 2013 for preparing benchmark estimates of rural residential buildings, urban residential buildings, non-residential buildings and other construction works.
- (vi) Use of NSS 65th round Survey on Housing Conditions, 2008-09, for obtaining ratios of pucca and kutcha construction for dwellings.
- (vii) Adjustment in the output of construction industry for the own account construction as included in the output of enterprises with major economic activity other than 'construction'.

Pucca Dwellings, Other Buildings & Structures

10.4 The estimates of pucca dwellings, other buildings & structures for the entire National economy are compiled first through the commodity flow approach on the basis of availability of basic construction materials and factor inputs. This forms the control figure of overall output of pucca dwellings, other buildings & structures for the country.

10.5 The output for pucca dwellings, other buildings & structures obtained through commodity flow approach includes both new construction and repair & maintenance. The approach covers the cost of basic materials, other materials and factor payments such as labour cost, contractor's profit, etc. In the current series, the construction costs incurred on seven basic materials used in construction activity have been captured as against five basic materials in the old (2004-05) series. The basic materials considered for construction in the 2011-12 series are (i) cement and cement products, (ii) iron and steel, (iii) bricks and tiles, (iv) timber and round wood (including imports of timber products and veneer plywood), (v) fixtures and fittings, (vi) bitumen and bitumen mixtures and (vii) glass and glass products. The item basket for the above construction materials has been finalized by analyzing the detailed results of Annual Survey of Industries (ASI) 2011-12 at commodity level of 7-digit National Product Classification for Manufacturing Sector (NPCMS). For estimating the value of output of these items from unorganised manufacturing sectors, NSS 67th round Survey on Unincorporated Enterprises, 2010-11 have been used. The estimates of basic materials compiled using ASI and NSS enterprise survey results have been appropriately adjusted with corresponding output estimated in the manufacturing sector. The Trade and Transport Margins (TTM) have been revised based on the Input Output Tables, 2007-08.

New/Revised Methodology for Bitumen & bitumen mixtures, Glass & glass products and Bricks & tiles:

10.6 Two new construction materials, namely, bitumen & bitumen mixtures and glass &

glass products were included in the list of basic materials used for estimation of value of output of construction activity. The detailed results of ASI 2011-12 at 5-digit level of NIC 2008 along with 7-digit level of NPCMS code for commodities, have been analyzed for compilation of base year estimates of bitumen and bitumen mixtures and glass and glass products. The corresponding information from NSS 67th round has also been incorporated to account for manufacturing of glass & glass products in unorganised manufacturing sector. It is assumed that bitumen is not produced in the unorganised manufacturing sector. To these estimates, excise duty, net imports and import duty for the specific commodity has been added. Input ratios of these commodities in manufacturing obtained from ASI, 2011-12 have been applied to deduct the intermediate consumption thereby getting an estimate of use in construction. The methodology for compilation of estimates of “bricks & tiles” has been revised. For estimating the production of bricks & tiles in organised sector, detailed results of ASI 2011-12 for 7-digit level of NPCMS code for bricks & tiles at 5-digit level of NIC 2008 have been analyzed. For estimating the production of bricks & tiles in un-organised sector, results of NSS 67th round have been used. The methodology for compilation of estimates of remaining basic materials remains the same in the new series as in the old (2004-05) series.

10.7 It has been estimated from the results obtained from the study of cost of construction by CBRI that the seven basic material groups account for 74.96 percent of the total construction materials while the remaining 25.04 percent accounts for ‘other materials and service charges’. ‘Other materials and service charges’ include sand, kerosene oil, steam coal, cement primer, cement paint, driver charges, mixing charges, water charges, etc. After obtaining the estimated value of output of pucca construction from the basic materials, these ratios are used to estimate output from ‘other material sand service charges’. In other words, the total value of construction materials is estimated as total value of basic materials divided by the number ‘0.7496’. The revised norms for basic materials, other materials and factor inputs used in new series for construction activity are 48.7 percent, 16.3 percent, and 35.0 percent as against the norms of 49.5 percent, 15.7 percent, and 34.8 percent, respectively in old series. The factor incomes consist of wages of all type of construction workers, contractors' profits, etc.

10.8 The estimates of output of dwellings, other buildings & structures for different institutions namely General Government, public corporations, private corporations and households are also compiled independently from budget documents, annual reports, MCA21 database and results of AIDIS.

10.9 The estimates of output for General Government and public corporations are prepared using information available from budget documents and annual reports.

10.10 The estimates for private corporations are prepared using information on financial parameters of non-government companies from MCA21 database provided by Ministry of Corporate Affairs. In the 2004-05 series, these estimates were prepared on the basis of the sample studies of non-Government financial and non-financial Companies by RBI. In the earlier series, construction expenditure by new companies was used to supplement the estimates from RBI study. As the MCA21 database includes the new companies also, this adjustment has been done away with in the 2011-12 series.

10.11 In respect of 'Households', the estimates of new construction and repair and maintenance for (i) Rural Residential Buildings (RRB), (ii) Urban Residential Buildings (URB) and (iii) Non-Residential and Other Construction Works (NRB and OCW) are prepared initially for the benchmark year using the results of AIDIS 2013. The benchmark estimates for RRBs and URBs are extrapolated with various indicators such as inter censal growth rates of rural and urban dwellings, and composite price indices, for compiling the estimates for subsequent years. The above said estimates of RRBs and URBs are further apportioned to Pucca and Kutcha dwellings using the NSS Report, 65th round, 2008-09. The norms used for apportioning the RRBs into pucca and kutcha dwellings are 83:17 (as against 79:21 used in 2004-05 series) and for URBs, these ratios are 98:2 (as against 97:3 used in 2004-05 series). As regards NRB & OCW, expenditure on wells and other irrigation resources by households engaged in farm business and expenditure on workplace, workshop and other constructions by households engaged in non- farm business are shown under 'pucca buildings & structures'. The expenditure on barns and animal sheds and 'other construction works' under farm business, and development of land are shown under 'kutcha buildings & structures'.

Kutcha Dwellings, Other Buildings & Structures

10.12 In the current series, the kutcha DOBS includes kutcha construction undertaken in the General Government, public corporations and households. The value of output in kutcha DOBS from General Government and public corporations is compiled from the analysis of budget documents. No kutcha DOBS is constructed by private corporations. The methodology for compilation of value of output from household sector has already been explained above.

Plantations

10.13 The capital expenditure incurred on cultivation of plantation crops during the gestation period is treated as output of the 'Construction Industry' for that year. Now, the

coverage of capital expenditure in cultivation of plantation crops also include cardamom based on data available from NHB and NABARD for the year 2014-15 in this series. The estimates of expenditure of General Government and public corporations are compiled from the analysis of budget document and annual reports. The value of output of private corporations is estimated as per the information on fixed asset block available from annual reports contained in MCA21 database. For compilation of estimates of household sector, total capital expenditure on plantation is derived as a product of cost available from NABARD and increment in area under cultivation available from States' DES/NHB. Thereafter, value of output in the household sector is worked out by residual approach.

Mineral exploration

10.14 As regards expenditure in mineral exploration, this is the expenditure incurred by all institutional sectors on mineral exploration asset. No mineral exploration is undertaken by General Government and households. The expenditure incurred by public corporations (NDEs) on mineral exploration is worked out from annual reports. The estimates of private corporations are compiled as per the balance sheet information available from MCA21 database. The estimates of mineral exploration are then added to the commodity flow estimates of construction.

10.15 The final estimate of Gross Value Added from construction at National level is compiled as sum of (i) factor payments (factor inputs) as 53.9 percent of total value of construction materials in pucca DOBS; (ii) 75 percent of total value of output in kutchha DOBS; (iii) 75 percent of expenditure incurred on plantations; and (iv) fixed proportion (75%) of expenditure on mineral exploration based on the information available from annual accounts of public and private corporations.

Estimation at State level

General Government: Administrative Departments

10.16 NVA of State Government in construction is taken from State Government budget documents. NVA of Central Government in construction is allocated to the States based on the information in the "works annexure" of the budget documents of Central Government. NVA of local bodies of the State are compiled and supplied by the NSO. CFC of General Government is allocated on the basis of NVA as derived above. GVA is calculated as sum of NVA and CFC. These estimates of GVA are deflated with index of urban wages to compile GVA at constant prices.

Public Corporations: Departmental Enterprises

10.17 The estimates of GVA at current prices are compiled by the analysis of budget

documents for Central and State Governments using production approach in the industry. The estimates of Central DEs are allocated to the States using State-wise outlay on construction. The GVA at constant prices is estimated by deflating the current prices estimate with index of urban wages.

Public Corporations: Non-Departmental Enterprises

10.18 The estimates of GVA compiled at National level by analysis of annual reports using production approach are allocated to States in the case of multistate NDEs. In case of single- state NDE, the entire GVA is allocated to that State where NDE is located. In case of NHAI, GVA is allocated using state-wise length of highways awarded under Public Private (PP) and Engineering, Procurement & Construction (EPC) projects in the year. In case of other NDEs, CE is distributed on the basis of the number of employees in each State in proportion to State-wise employment in that NDE, while OS is distributed in proportion to the State-wise gross block (value of assets) of that NDE. The above estimates of NDE at current prices are deflated with index of urban wages to arrive at estimates at constant prices.

Household sector

Rural/Urban residential buildings new construction outlays plus repair & maintenance

10.19 The base year State-wise estimates of expenditure on new construction and repairs & maintenance in respect of rural and urban residential buildings based on the results of AIDIS, 2013 are moved to later years with the help of inter-censal growth rate in the number of dwellings as per Census 2011. The price changes are imposed with the help of Rural/Urban Cost of Construction Index (CCI) to arrive at estimates of expenditure at current prices. Cost of Construction Index (CCI) for Rural/Urban Housing is a weighted index of prices of building materials (i.e. cement, iron & steel, bricks and timber) and labour. Additionally for the urban CCI, fixtures & fittings and 'other materials' are also considered. These estimates of expenditure at current and constant prices are converted into the estimates of GVA using the ratio of GVA to expenditure supplied by the NSO.

Rural/Urban non-residential buildings and other construction works (new construction plus repairs & maintenance)

10.20 The base year State-wise estimates of expenditure on new construction and repairs & maintenance in respect of rural and urban non-residential buildings based on the results of AIDIS, 2013 are moved to later years with the help of combined index of value of output from agriculture sector and manufacturing sector at current and constant prices. These estimates of expenditure at current and constant prices are converted into the estimates of

GVA using the ratio of GVA to expenditure supplied by the NSO.

Plantations in the household sector

10.21 All India estimates of GVO of construction in plantations in the household sector are distributed to the States using State-wise information on increment in area under cultivation of the plantation crops. The eighteen plantation crops namely, coconut, tea, coffee, rubber, citrus fruits, pineapple, cashew nut, areca nut, banana, mango, grapes, papaya, apple, litchi, sapota, guava, pomegranate and cardamom are considered. The GVA estimates of plantation sector at current prices are supplied by the NSO. The estimates at constant prices are compiled by deflating the current prices estimates with Rural Cost of Construction Index (CCI).

Other households sector

10.22 Other households sector includes Non-Profit Institution Serving Household (NPISH) and unincorporated enterprises not covered in AIDIS. These estimates are obtained as residual through the commodity flow method of the household sector and allocated on the basis of a composite indicator using State-wise consumption of cement and iron & steel. The GVA estimates of this sector at current prices are supplied by the NSO. The estimates at constant prices are compiled by deflating the current prices estimates with Rural Cost of Construction Index (CCI).

Residual Sector

10.23 The residual sector includes data on private corporate sector and other un-allocated portion of GVA construction at the National level. The estimates are allocated on the basis of a composite indicator using State-wise consumption of cement (weight: 19.66%) and iron & steel (weight: 80.34%). The GVA estimates of this sector at current prices are supplied by the NSO. The estimates at constant prices are compiled by deflating the current prices estimates with Urban Cost of Construction Index (CCI).

10.24 The estimates of GVA for different components i.e. public sector, household sector, plantation, other households and residual sectors at both current and constant prices as compiled above are added to work out the total GVA from construction sector.

10.25 From the estimates of GVA so arrived, FISIM has been deducted. The NVA has been obtained after deducting CFC from GVA. The estimates of CFC have been supplied by the NSO.

The detailed estimates of GVA and NVA from Construction sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 36 and 37**.

Table – 36
Gross State Value Added and Net State Value Added
Construction Sector (at Current Prices)

(₹ Lakh)												
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gross State Value Added (unadjusted)	3077524	3161255	3706096	3822236	3763894	4099129	4442068	5090357	5205745	4927431	5840842
2	Less: FISIM	101558	118863	134161	160152	155449	163555	163912	187334	205938	207213	230713
3	Gross State Value Added	2975966	3042391	3571936	3662085	3608446	3935574	4278155	4903023	4999807	4720217	5610128
4	Less: CFC	136915	155999	216909	215023	214404	241464	273321	324381	377065	408020	431980
5	Net State Value Added	2839051	2886392	3355027	3447062	3394042	3694110	4004834	4578641	4622742	4312197	5178149

Table – 37
Gross State Value Added and Net State Value Added
Construction Sector (at Constant Prices)

(₹ Lakh)												
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gross State Value Added (unadjusted)	3077524	2879887	3200116	3167305	3105454	3306185	3508504	3819058	3875539	3532019	3968729
2	Less: FISIM	101558	118389	131440	152627	147275	153978	145441	153826	159392	157559	167074
3	Gross State Value Added	2975966	2761498	3068676	3014678	2958179	3152208	3363063	3665232	3716146	3374460	3801655
4	Less: CFC	136915	148829	204106	199422	199925	230377	259500	299320	347505	373539	362298
5	Net State Value Added	2839051	2612669	2864570	2815256	2758254	2921831	3103563	3365912	3368642	3000921	3439358

XI**TRADE, REPAIR, HOTELS AND RESTAURANTS SECTORS****COVERAGE**

11.1 Trade activity includes wholesale and retail trade in all commodities whether produced domestically, imported or exported. The activities of purchase and selling agents, brokers and auctioneers are also included under this sub-sector. The 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. The retail trade covers units which mainly resell without transformation new and used goods for personal or household consumption. The repair services of computers, household goods and motor vehicles (including motor cycles) are also included in this section. In the earlier series, repair of computers was a part of computer related activities. It has been made a part of this category in the current series as per NIC 2008. Hotels and restaurants activity covers the services rendered by hotels and other lodging places, restaurants, cafes and other eating and drinking places.

METHODOLOGY AND SOURCE OF MATERIAL**Estimates at Current Prices****Trade and Repair Services**

11.2 The benchmark year estimates of GVA for this sub-sector in the old series were prepared separately for the public sector, private organised sector and households sector. For public sector trading units, GVA estimates were compiled by analyzing the annual accounts of public trading enterprises and budget documents. The estimates for private organised part comprising private corporate sector and cooperative societies engaged in trade were prepared using the results for the RBI study on company finances and total paid up capital of companies available from Ministry of Company Affairs and the information available from the NABARD publication viz “Statistical statement relating to the cooperative movement in India 2003-04” respectively. As the category of unorganised sector was not covered in the NSS 63rd round Enterprise Survey, the GVA of this sector for the year 1999-2000 was moved to 2004-05 using the index of gross turnover based on the total sales tax receipts in the State.

11.3 In this series, the estimates of GVA for trade and repair services have been prepared separately for the categories (as per NIC 2008 classification) namely (i) trade and repair of motor vehicles (including motor cycles) and retail sale of automotive fuel, (ii) wholesale trade except of motor vehicles and motor cycles + wholesale of lottery tickets, (iii) retail

trade except of motor vehicles and motor cycles + retail sale of lottery tickets and (iv) repair of computers and personal and household goods. The revision in GVA estimates of public, private and unorganised components in 2011-12 in this series has occurred due to the availability of latest data from different source agencies.

11.4 For public sector trading units, estimates of GVA are compiled using income approach in case of DEs and production approach in case of NDEs. In case of DEs and NDEs, GVA estimates have been compiled by analyzing the budget documents and the annual accounts of public trading enterprises, respectively. There is no change in the sources and methods of estimating the GVA of these enterprises. GVA of Central DEs are allocated to the States on the basis of the location of the DE. The estimates of GVA from Central NDEs are allocated to States in the case of multi-State NDEs. CE is distributed on the basis of the number of employees in each State in proportion to the State-wise employment in that NDE while OS is distributed in proportion to the State-wise gross block (value of assets) of that NDE.

11.5 The estimates of private organised part comprising private corporate sector, quasi-corporations and co-operative societies engaged in trade and repair services have been prepared as per the methodology given below.

In case of private corporate sector, estimates of GVA at current prices are compiled using production approach. The estimates of private incorporated enterprises at National level have been derived using the MCA21 database for the annual reports of private sector. The base year National GVA of private corporate sector is allocated to States on the basis of GVA estimated using Gross Value Added Per Worker (GVAPW) from NSS 67th round and labour input from NSS 68th round.

For subsequent years, GVA at current prices is obtained by extrapolation using index of sales tax. Thereafter, current prices GVA worked out for subsequent years is adjusted to NAS supplied by the NSO. The base year National GVA from cooperatives compiled using the information from NABARD publication, “Statistical statements relating to co-operative movement in India, 2004-05” is allocated to the States on the basis of LI in the sector from 68th round. For subsequent years, GVA at current prices is obtained by extrapolation using index of sales tax.

11.6 The estimates of the un-incorporated segment (quasi-corporations and household enterprises) have been compiled using the labour input method. The private un-incorporated sector (quasi-corporations and household sector) covers (i) maintenance and repair of motor vehicles and motor cycles, (ii) sale of motor vehicles, (iii) whole sale trade

except of motor vehicles, (iv) repair of personal and household goods and (v) retail trade (except motor vehicle). The base year National GVA is prepared by using the results of NSS 68th round Employment and Unemployment Survey (EUS), 2011-12, population census 2011 and NSS 67th round Employment Survey (ES), 2010-11. The base year State-wise GVA is allocated using GVAPW from NSS 67th round and labour input from NSS 68th round. For subsequent years, GVA at current prices is obtained by extrapolation using index of sales tax. Thereafter, current prices GVA worked out as above for subsequent years are adjusted to NAS.

Hotels and Restaurants

11.7 The methodology followed for estimating National GVA of public sector, private organised sector and households in the new series is same as that of trade and repair services.

11.8 The GVA of Central NDEs at current prices is allocated to States in the case of multi- State NDEs. CE is distributed on the basis of the number of employees in each state in proportion to State-wise employment in that NDE while OS is distributed in proportion to the State-wise gross block (value of assets) of that NDE.

11.9 The National GVA of private corporations at current prices is allocated to States on the basis of tourist arrivals (domestic + international tourists).

11.10 In case of private un-incorporated enterprises, base year State-wise GVA is compiled using GVAPW from NSS 67th round and labour input from NSS 68th round. For subsequent years, current prices estimates are obtained by using corporate growth in the corporate sector.

Estimates at Constant Prices

11.11 The estimates at constant (2011-12) prices in case of both Trade and Repair Services and Hotels and Restaurants have been prepared by deflating the current prices estimates with the wholesale price index of all commodities.

11.12 The estimates of GVA from Trade and Repair Services and Hotels and Restaurants are adjusted separately for FISIM. To arrive at NVA, estimates of CFC supplied by the NSO have been deducted from the GVA.

The detailed estimates of GVA and NVA from Trade, Repair, Hotels and Restaurants sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in Tables 38 and 39.

Table – 38
Gross State Value Added and Net State Value Added
Trade, Repair, Hotels and Restaurants Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
A Trade and Repair Services												
1	Gross State Value Added (unadjusted)	3296010	3868913	4318104	4920010	5524662	6254008	7204324	8309802	9072385	7456276	10108125
2	Less: FISIM	104484	118002	122634	145632	158005	172611	190915	223947	251758	285784	333568
3	Gross State Value Added	3191526	3750911	4195470	4774378	5366657	6081397	7013409	8085855	8820627	7170493	9774557
4	Less: CFC	142889	177236	210686	242262	306341	351128	384255	504468	562458	612923	835514
5	Net State Value Added	3048637	3573675	3984784	4532116	5060316	5730269	6629155	7581388	8258169	6557570	8939043
B Hotels and Restaurants												
1	Gross State Value Added (unadjusted)	122536	134873	147551	154149	167444	183666	196211	218580	238742	111169	137071
2	Less: FISIM	3320	3912	6005	6705	6999	7806	7790	8745	9885	7737	5538
3	Gross State Value Added	119216	130961	141546	147444	160445	175860	188421	209835	228857	103432	131534
4	Less: CFC	5338	6188	9270	9780	14603	15737	11737	19624	22459	24102	30651
5	Net State Value Added	113878	124773	132276	137664	145842	160123	176684	190211	206398	79329	100883
C Trade, Repair, Hotels and Restaurants												
1	Gross State Value Added	3310742	3881872	4337016	4921821	5527102	6257258	7201831	8295691	9049484	7273924	9906091
2	Less: CFC	148227	183424	219956	252042	320944	366866	395992	524092	584917	637025	866165
3	Net State Value Added	3162515	3698448	4117060	4669779	5206158	5890392	6805839	7771599	8464568	6636899	9039926

Table – 39
Gross State Value Added and Net State Value Added
Trade, Repair, Hotels and Restaurants Sector (at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
A Trade and Repair Services												
1	Gross State Value Added (unadjusted)	3296010	3619189	3838315	4319587	5036155	5603950	6270082	6936396	7448592	6042363	7251166
2	Less: FISIM	104484	117532	120147	138790	149697	162503	169401	183889	194856	217301	241557
3	Gross State Value Added	3191526	3501657	3718168	4180797	4886458	5441447	6100681	6752506	7253736	5825062	7009609
4	Less: CFC	142890	166941	191640	212666	274062	311154	326107	408900	450577	479311	420577
5	Net State Value Added	3048637	3334716	3526528	3968131	4612396	5130293	5774574	6343606	6803159	5345751	6589032
B Hotels and Restaurants												
1	Gross State Value Added (unadjusted)	122536	126167	131156	135337	152638	164575	170767	182454	196011	90088	98330
2	Less: FISIM	3321	3896	5884	6390	6631	7349	6912	7180	7651	5883	4010
3	Gross State Value Added	119216	122271	125273	128947	146007	157227	163855	175274	188361	84205	94319
4	Less: CFC	5337	5829	8502	8595	13047	13909	9923	15783	17886	18793	8489
5	Net State Value Added	113878	116442	116771	120352	132960	143318	153931	159490	170475	65412	85831
C Trade, Repair, Hotels and Restaurants												
1	Gross State Value Added	3310742	3623929	3843440	4309744	5032465	5598673	6264536	6927780	7442097	5909267	7103928
2	Less: CFC	148227	172770	200142	221261	287109	325063	336030	424683	468463	498104	429065
3	Net State Value Added	3162515	3451159	3643298	4088483	4745356	5273610	5928506	6503097	6973634	5411163	6674863

TRANSPORT, STORAGE, COMMUNICATION AND SERVICES RELATED TO BROADCASTING SECTORS

COVERAGE

12.1 The economic activities covered in this sector are:

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

12.2 Railway workshops and railway manufacturing establishments are included in the 'manufacturing' sector. Construction activity of the railways is 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 telecommunication workshops are excluded from communication and included in manufacturing sector.

12.3 In the current series with base year 2011-12, the activities of travel agencies and tour operators are no longer a part of category, 'Services incident to transport' as per NIC 2008. This will form a part of new category, 'Real estate, ownership of dwellings and professional services' group. In case of Communication and services related to broadcasting, a new category, 'Recording, publishing and broadcasting services' has been included in this category.

METHODOLOGY AND SOURCE OF MATERIAL

Estimates at Current and Constant Prices

Transport by Railways

12.4 There is no change in compilation procedure for estimation of GVA of Railway transport services at National level. The estimates of gross value added have been prepared by following the income approach in case of DEs and production approach in case of NDEs and private corporate companies. The National GVA is compiled on the basis of analysis of Annual Railway Budget in case of DEs and Annual reports in case of NDEs. However, in the current series, estimates of 'Railways' operated by the private companies, have been prepared using their accounts as available in the MCA21 database. National estimates of GVA are allocated to States on the basis of indicators

like section-wise passenger and freight earnings, State-wise number of employees and the capital-at-charge in each zone. The constant prices estimates at the National level are estimated using the Implicit Price Deflator (IPD). However, the State SDP estimates of this sub-sector at both current and constant prices are prepared by the CSO and are used by the State as such.

Transport by Other Means

12.5 This sub-sector covers all transport services other than railways. However, air transport and water transport do not exist in Haryana.

Road Transport

12.6 In the old series, public sector GVA estimates for mechanized road transport were compiled by analyzing the Budget documents of State Government. The base year estimates of GVA for private sector (private corporate and unorganised) of mechanised and non-mechanised road transport were compiled by the labour input method using the results available from NSS, 61st round, EUS 2004-05, population census 2011 and NSS, 63rd round 2006-07. The base year GVA was moved to subsequent years using different indicators.

12.7 In the current series, there is no change in the methodology for compilation of public sector estimates. The GVA estimates of State DE at current prices are compiled using production approach by the analysis of State budget document. In case of Central NDEs, estimates of National GVA at current prices are estimated by the production approach from the analysis of annual reports and allocated to States. CE is distributed on the basis of number of employees in each State in proportion to State-wise employment in that NDE while OS is distributed in proportion to the State-wise gross block (value of asset) of that NDE. The estimates of State DE and Central NDEs at constant prices are compiled by deflating the current prices estimates with CPI (T&C).

12.8 In case of private corporate sector, the National GVA is compiled by production approach using MCA21 data base for the annual reports of private sector companies whereas GVA of co-operatives is worked out on the basis of NSS 63rd round ES, 2006-07. The National GVA of private corporate sector and co-operatives is then allocated to the States on the basis of GVA estimated using GVAPW from NSS 67th round and labour input from NSS 68th round. The GVA at constant prices is worked out by extrapolation of base year estimate with the growth in vehicles.

12.9 In case of un-incorporated road transport, GVA for base year has been compiled by using the workforce estimated by the department of Economic and Statistical Affairs,

Haryana and GVA per worker available from the NSO. The workforce for 2011-12 has been compiled by employing either one or two persons to each vehicle of different categories (private vehicles on road/in use provided by State Transport Department) depending upon the requirement of persons (driver/conductor) for each category. While estimating the workforce, it has been considered that all the private sector vehicles (data provided by State Transport Department) were engaged in private corporate, co-operatives and un-incorporated road transport. Therefore, the base year GVA for un-incorporated transport has been calculated by deducting the GVA of private corporate/cooperatives (provided by NSO) from the total GVA as worked out above. Then, the base year GVA for un-incorporated road transport has been moved to subsequent years on the basis of growth in private sector vehicles to work out GVA at constant prices. The GVA at current prices is compiled by inflating constant prices GVA with CPI (T&C).

Services Incidental to Transport

12.10 In the old series, the estimates of Services Incidental to Transport for private sector were worked out by multiplying the workforce based on NSS, 61st round EUS 2004-05 and population census, 2001 with GVA per worker available from the NSS, 63rd round 2006-07 adjusted for the base year. The benchmark year estimates of GVA were moved forward with the index of value of output of commodity producing sectors. In case of public sector, the estimates were supplied by the NSO.

12.11 In the current series, the methodology for compilation of public sector National estimates at both current and constant prices remains the same as in case of road transport. GVA of Central DEs at current prices are allocated to States on the basis of location of the DE. In the case of Central NDEs, estimates of National GVA at current prices are estimated by the production approach from the analysis of annual reports and allocated to States. CE is distributed on the basis of number of employees in each State in proportion to State-wise employment in that NDE while OS is distributed in proportion to the State-wise gross block (value of asset) of that NDE. The estimates of State DE and Central NDEs at constant prices are compiled by deflating the current prices estimates with CPI (T&C).

12.12 In case of private corporate sector, the National GVA at current prices is compiled by production approach using MCA21 data base for the annual reports of private sector companies whereas GVA of co-operatives is worked out on the basis of NSS 63rd round ES, 2006-07. The National GVA of private corporate sector and co-operatives is then

allocated to the States on the basis of GVA estimated using GVAPW from NSS 67th round and labour input from NSS 68th round. The GVA at constant prices is worked out by extrapolation of base year estimate with the growth in vehicles.

12.13 In case of private un-incorporated enterprises, the base year GVA at National level is prepared by effective LI method using the results available from NSS 68th round EUS, 2011-12, population census 2011 and NSS 67th round ES, 2010-11. The base year State-wise GVA at current prices is compiled using GVA from NSS 67th round and LI from NSS 68th round. The GVA at constant prices for subsequent years is worked out by extrapolation of base year estimate with the growth in vehicles. Then, the current prices estimates are compiled by inflating the constant prices estimates with CPI (T&C).

Storage

12.14 The activity of Storage is being carried out by State Warehousing Corporation (SWC) and Central Warehousing Corporation (CWC) in the State.

In case of SWC, GVA at current prices is obtained by the analysis of annual accounts. GVA at constant prices is compiled by the extrapolation of base year GVA with index of storage capacity of SWC. The GVA of CWC at current prices worked out from the analysis of annual accounts is allocated to the State in proportion to the capacity of CWC warehouses in the State to total storage capacity of CWC. The GVA of CWC at constant prices is compiled by extrapolating the base year GVA with index of storage capacity of SWC in the State.

Communication and Services Related to Broadcasting

12.15 Under this sub-sector, the GVA is prepared for Department of Posts and NDEs in public sector and courier activities, cable operators and other communication in private sector.

12.16 In the earlier series, the public sector GVA estimate was prepared by analyzing the budget documents and annual accounts of Department of Posts and NDEs. The estimates of private corporate and unorganised sector for both cable and courier services were compiled using the LI method. The GVO estimates of private corporate sector for other communication services (reclassified as telecommunication in new series) was compiled as a product of the annualized average revenue per user and number of subscribers. The GVO/GVA ratio of sampled private cellular companies was applied on the revenue so obtained to get the GVA for this activity. The estimates of unorganized part for other communication services were compiled using LI method.

12.17 In the current series, the National GVA of Department of Posts and Central NDEs

at current prices compiled using production approach by the analysis of budget documents and annual reports is allocated to the States on the basis of indicators like receipts, rent, interest etc. In case of broadcasting (Prasar Bharati), it has been allocated on the basis of sanctioned strength. The constant prices estimates are obtained by deflating the current prices estimates using CPI (T&C).

12.18 In case of private corporate sector enterprises, the National GVA for all categories of courier activities cable operators, telecommunication and recording, publishing and broadcasting services have been compiled using MCA21 data base. The National GVA from courier activities at current prices has been allocated on the basis of GVA of Posts. GVA of cable operators, recording, publishing and broadcasting services has been allocated to the State on the basis of population having television as per census 2011. GVA of telecommunication in the base year has been allocated on the basis of number of subscribers in the base year. This has been extrapolated using growth in subscribers and CPI (T&C) for the current prices estimates of subsequent years. The State estimates at constant prices for all categories have been obtained by deflating the current prices estimates with CPI (T&C).

12.19 In case of private un-incorporated sector, the National base year GVA at current prices as compiled using GVA from NSS 67th round and LI from NSS 68th round has been allocated to the State on the same criteria as adopted in the private corporate sector. The current prices estimates are deflated using CPI (T&C) to reach at constant prices estimates.

12.20 GVA as worked out above for Transport by other means, Storage and Communication and Services related to broadcasting has adjusted for FISIM separately. To arrive at NVA, estimates of CFC as supplied by the NSO have been deducted from the GVA.

The detailed estimates of GVA and NVA from Transport, Storage and Communication sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 40 and 41**, respectively.

Table – 40
Gross State Value Added and Net State Value Added
Transport, Storage, Communication & Services related to Broadcasting Sector
(at Current Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16
1	2	3	4	5	6	7
I	Gross State Value Added (unadjusted)	1744817	1984975	2247469	2535225	2702006
1	Railways	268949	333924	349621	429758	439666
2	Transport by other means	1160737	1313302	1468579	1623489	1698695
2.1	Road Transport (Mechanised)	1019438	1153998	1302412	1468400	1544665
2.2	Road Transport (Non-Mechanised)	0	0	0	0	0
2.3	Water Transport	0	0	0	0	0
2.4	Air Transport	0	0	0	0	0
2.5	Services incidental to Transport	141299	159304	166167	155089	154030
3	Storage	12019	16640	14528	15336	10353
3.1	Warehousing	11675	16517	14508	14989	9667
3.2	Cold Storage	344	123	20	347	686
4	Communication	303112	321109	414741	466642	553292
II	Less: FISIM	17128	19416	21298	21762	23875
1	Railways	0	0	0	0	0
2	Transport by other means	17063	19306	21148	21592	23782
3	Storage	65	110	150	170	98
4	Communication	0	0	0	0	0
III	Gross State Value Added	1727689	1965560	2226171	2513463	2678131
1	Railways	268949	333924	349621	429758	439666
2	Transport by other means	1143674	1293997	1447431	1601897	1674914
3	Storage	11955	16530	14378	15166	10255
4	Communication	303112	321109	414741	466642	553292
IV	Less: CFC	229985	256885	348110	402166	414068
1	Railways	92479	110250	132602	175690	177912
2	Transport by other means	78826	86574	111896	113913	109986
3	Storage	1693	2227	2213	2340	1530
4	Communication	56987	57834	101399	110223	124635
V	Net State Value Added	1497704	1708675	1878061	2111297	2264063
1	Railways	176470	223674	217019	254068	261754
2	Transport by other means	1064848	1207423	1335535	1487984	1564928
3	Storage	10262	14303	12165	12826	8725
4	Communication	246125	263275	313342	356419	428657

Contd....

Gross State Value Added and Net State Value Added
Transport, Storage, Communication & Services related to Broadcasting Sector
(at Current Prices)

(₹ Lakh)

Sr. No.	Items	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	8	9	10	11	12	13
I	Gross State Value Added (unadjusted)	2814576	2887853	3125734	2820597	2688561	3948959
1	Railways	421821	409102	382044	417882	368721	599017
2	Transport by other means	1841174	1941965	2114156	1693676	1505891	2447220
2.1	Road Transport (Mechanised)	1675248	1772129	1956265	1537363	1354766	2201627
2.2	Road Transport (Non-Mechanised)	0	0	0	0	0	0
2.3	Water Transport	0	0	0	0	0	0
2.4	Air Transport	0	0	0	0	0	0
2.5	Services incidental to Transport	165926	169836	157891	156313	151125	245593
3	Storage	12577	22635	26840	33870	32740	27768
3.1	Warehousing	11891	21949	26154	33184	32054	27082
3.2	Cold Storage	686	686	686	686	686	686
4	Communication	539004	514151	602694	675169	781209	874954
II	Less: FISIM	24330	27998	33354	25849	27826	40370
1	Railways	0	0	0	0	0	0
2	Transport by other means	24303	27964	33335	25832	27748	40304
3	Storage	26	34	19	17	79	67
4	Communication	0	0	0	0	0	0
III	Gross State Value Added	2790246	2859854	3092380	2794748	2660735	3908588
1	Railways	421821	409102	382044	417882	368721	599017
2	Transport by other means	1816870	1914001	2080821	1667844	1478143	2406916
3	Storage	12551	22601	26821	33853	32661	27701
4	Communication	539004	514151	602694	675169	781209	874954
IV	Less: CFC	449848	546191	624836	716373	733075	1046471
1	Railways	184580	221445	231192	271221	237360	386965
2	Transport by other means	129193	164420	179267	203816	228058	326439
3	Storage	1898	3482	2303	3105	3464	3464
4	Communication	134177	156844	212074	238232	264193	329603
V	Net State Value Added	2340398	2313664	2467544	2078374	1927659	2862118
1	Railways	237241	187657	150852	146661	131361	212052
2	Transport by other means	1687677	1749581	1901554	1464028	1250085	2080477
3	Storage	10653	19119	24518	30748	29197	24237
4	Communication	404827	357307	390619	436937	517016	545351

Table – 41
Gross State Value Added and Net State Value Added
Transport, Storage, Communication & Services related to Broadcasting Sector
(at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16
1	2	3	4	5	6	7
I	Gross State Value Added (unadjusted)	1744817	1893760	2067844	2314501	2460814
1	Railways	268949	318532	324588	375196	374015
2	Transport by other means	1160737	1256388	1357423	1512761	1585977
2.1	Road Transport (Mechanised)	1019438	1103988	1193702	1330772	1395706
2.2	Road Transport (Non-Mechanised)	0	0	0	0	0
2.3	Water Transport	0	0	0	0	0
2.4	Air Transport	0	0	0	0	0
2.5	Services incidental to Transport	141299	152400	163721	181989	190271
3	Storage	12019	12982	12605	12023	12083
3.1	Warehousing	11675	12594	12237	11678	11728
3.2	Cold Storage	344	388	368	345	354
4	Communication	303112	305858	373228	414521	488738
II	Less: FISIM	17128	19338	20865	20740	22620
1	Railways	0	0	0	0	0
2	Transport by other means	17063	19229	20718	20578	22531
3	Storage	65	109	147	162	88
4	Communication	0	0	0	0	0
III	Gross State Value Added	1727689	1874422	2046979	2293761	2438194
1	Railways	268949	318532	324588	375196	374015
2	Transport by other means	1143674	1237159	1336705	1492184	1563446
3	Storage	11955	12872	12458	11861	11994
4	Communication	303112	305858	373228	414521	488738
IV	Less: CFC	229985	244879	326117	355995	363287
1	Railways	92479	103392	121167	152810	154750
2	Transport by other means	78826	82905	103889	105228	101574
3	Storage	1693	2099	2011	2041	1364
4	Communication	56987	56483	99050	95916	105599
V	Net State Value Added	1497704	1629543	1720862	1937766	2074907
1	Railways	176470	215140	203421	222386	219265
2	Transport by other means	1064848	1154254	1232816	1386956	1461872
3	Storage	10262	10773	10447	9820	10630
4	Communication	246125	249375	274178	318605	383139

Contd....

Gross State Value Added and Net State Value Added
Transport, Storage, Communication & Services related to Broadcasting Sector
(at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	8	9	10	11	12	13
I	Gross State Value Added (unadjusted)	2486098	2495628	2568604	2587015	2151801	2457854
1	Railways	324551	308399	282367	253863	180985	229263
2	Transport by other means	1684482	1741258	1781796	1784525	1415231	1658752
2.1	Road Transport (Mechanised)	1481256	1533893	1568817	1569601	1194004	1399458
2.2	Road Transport (Non-Mechanised)	0	0	0	0	0	0
2.3	Water Transport	0	0	0	0	0	0
2.4	Air Transport	0	0	0	0	0	0
2.5	Services incidental to Transport	203226	207365	212979	214924	221227	259294
3	Storage	11899	11666	13123	14544	15998	15736
3.1	Warehousing	11547	11325	12718	14080	15549	15298
3.2	Cold Storage	352	341	405	465	449	438
4	Communication	465166	434306	491317	534083	539587	554103
II	Less: FISIM	22905	24843	27388	20007	21158	29235
1	Railways	0	0	0	0	0	0
2	Transport by other means	22880	24813	27372	19994	21099	29186
3	Storage	25	30	15	13	60	49
4	Communication	0	0	0	0	0	0
III	Gross State Value Added	2463192	2470785	2541216	2567008	2130643	2428619
1	Railways	324551	308399	282367	253863	180985	229263
2	Transport by other means	1661601	1716445	1754424	1764531	1394132	1629565
3	Storage	11874	11636	13108	14531	15938	15687
4	Communication	465166	434306	491317	534083	539587	554103
IV	Less: CFC	392158	464809	518516	532969	539222	537563
1	Railways	158425	183189	186400	168788	120333	152432
2	Transport by other means	117497	146141	156250	169801	204443	162443
3	Storage	1677	2919	1830	2450	2665	2665
4	Communication	114559	132561	174035	191930	211782	220023
V	Net State Value Added	2071034	2005975	2022700	2034040	1591421	1891056
1	Railways	166126	125210	95967	85075	60652	76831
2	Transport by other means	1544104	1570303	1598173	1594730	1189689	1467122
3	Storage	10197	8717	11278	12081	13273	13022
4	Communication	350607	301745	317282	342153	327806	334080

FINANCIAL SERVICES SECTOR**COVERAGE**

13.1 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.

In the current series of national accounts, the following information has been incorporated for the first time:-

- (i) Annual accounts of the Mutual Funds (excluding UTI MF) registered with the Securities and Exchange Board of India (SEBI);
- (ii) Annual accounts of the stock brokers and stock exchanges registered with SEBI (who are also registered under the Companies Act);
- (iii) Annual accounts of the financial regulatory authorities, like SEBI, IRDA and Pension Fund Regulatory and Development Authority (PFRDA) ; and
- (iv) Annual accounts of the Pension Funds registered with the PFRDA.

METHODOLOGY AND SOURCE OF MATERIAL**Estimates at Current and Constant Prices**

13.2 Due to non-availability of State-wise data in respect of this supra-regional sector, the GVA of this sector is compiled first at National level and then allocated to States. The National estimates of GVA at current prices are split into CE, rent, profit, etc. and are allocated to States by the NSO at the enterprise level using the information like State-wise salaries, deposits, premiums and number of employees. The current price estimates are deflated by the implicit price deflator for financial services as derived at the National level to workout estimates at constant prices. However, the estimates of GVA and NVA of the State at both current and constant prices communicated by the NSO to the State are used as such to represent the income from this sector.

The detailed estimates of GVA and NVA from Financial Services sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 42 and 43**, respectively.

Table – 42
Gross State Value Added and Net State Value Added
Financial Services Sector (at Current Prices)

(₹ Lakh)												
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gross State Value Added	1165659	1321389	1483809	1677707	1976589	2166627	1969560	2738078	2874807	3088573	3514796
2	Less: CFC	18407	23407	24636	30833	39978	48292	43900	178340	65481	74709	84355
5	Net State Value Added	1147252	1297982	1459173	1646874	1936611	2118335	1925660	2559738	2809326	3013864	3430441

Table – 42
Gross State Value Added and Net State Value Added
Financial Services Sector (at Constant Prices)

(₹ Lakh)												
Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gross State Value Added	1165659	1304010	1432685	1591068	1830994	2010042	1696015	2204257	2195708	2340747	2741541
2	Less: CFC	18407	31562	23440	27331	34713	42251	35650	160753	52780	59520	68539
3	Net State Value Added	1147252	1272448	1409245	1563737	1796281	1967791	1660365	2043504	2142928	2281227	2673002

XIV

REAL ESTATE, OWNERSHIP OF DWELLINGS AND PROFESSIONAL SERVICES SECTORS

COVERAGE

14.1 In the previous series, the GVA estimates were prepared for the following economic activities separately:-

- i) Real Estate Services:** This sub-sector includes buying, selling, renting and operating of self owned or leased real estate such as apartmental 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.

14.2 In the current series, the economic activities of this sector have been classified as (i) real estate activities, (ii) computer and information related services, (iii) professional, scientific and technical activities including R & D and (iv) administrative and support service activities and other professional activities. Under the category, 'Computer and Information related Services', 'Repair of computers' and 'Software publishing' are no longer a part of this category and have been moved to 'Trade and repair services' and 'Communication and services related to broadcasting' respectively in the new series. Under

the category 'Professional, scientific and technical activities including 'R&D', the category 'research and development etc.' in the old series has been modified with inclusion of veterinary activities and appropriately renamed. The 'Administrative and support activities and other professional activities' is a new category culled out from the certain activities of the previous category, 'research and development etc.' and includes all administrative and support service activities. It also includes legal and accounting activities.

METHODOLOGY AND SOURCE OF MATERIAL

Estimates at Current Prices

14.3 In the earlier series, the estimates for the public sector for all categories of real estate, ownership of dwellings and professional services were derived from the budget documents and annual reports of public sector companies. In case of 'computer and information related services', estimates for the private corporate sector in the earlier series were derived based on the information available from NASSCOM. For the unorganised sector of 'computer and information related services', as also for the private corporate and unorganised sectors of remaining categories, labour input method was used for compiling the base year (2004-05) estimates. The category-wise methodology followed for compilation of estimates in the current series is described in the following paragraphs.

Real Estate and Professional Services

14.4 The estimates of National GVA from Central NDEs at current prices are estimated by the production approach from the analysis of annual reports. In case of multi-State NDEs, it is allocated to States. CE is distributed on the basis of number of employees in each State in proportion to State-wise employment in that NDE while OS is distributed in proportion to the State-wise gross block (value of asset) of that NDE. In case of single State NDE, the entire GVA is allocated to that State.

14.5 In case of private corporations, the National GVA compiled by production approach using MCA21 data for the annual reports of private sector companies has been allocated to States on the basis of base year GVA as compiled using GVA from NSS 67th round and LI from NSS 68th round.

14.6 In case of private un-incorporated enterprises, the base year National GVA worked out using the results from NSS 68th round EUS, 2011-12, population census 2011 and NSS 67th round ES, 2010-11 has been allocated on the basis of GVA as compiled using enterprise information from NSS 67th round and LI from NSS 68th round. For the subsequent years, estimates are moved using corporate growth (same as in organized sector).

Computer and Information related Services

14.7 The National GVA of computer and information related services from private corporations is worked out by production approach using MCA21 data base for the annual reports of private sector companies. The National GVA is allocated to States on the basis of information on State-wise software exports made by units registered under STPI.

14.8 In case of private un-incorporated enterprises, the National base year GVA is compiled using the results from NSS 68th round EUS, 2011-12, population census 2011 and NSS 67th round ES, 2010-11. The National base year GVA is then allocated to States on the basis of GVA as compiled using enterprise information from NSS 67th round and LI from NSS 68th round. For the subsequent years, estimates are moved using corporate growth.

Ownership of Dwellings

14.9 The GVA for the Ownership of Dwellings is equivalent to gross rental of the residential census houses less the cost of repair and maintenance. The GVA of this component has been worked out for rural and urban dwellings separately.

14.10 In case of urban dwellings, gross rental is worked out as the product of number of census houses (urban) available from population censuses and rent per household as obtained from NSS 68th round CES, 2011-12 for the base year. For the years subsequent to the base year, rent per household as in the base year is extrapolated using the index of house rent (urban areas) and the number of dwellings is extrapolated using the inter-censal growth rate of urban dwellings. The estimates of cost of repair and maintenance are provided by the NSO.

14.11 In case of rural dwellings, gross rental at the National level is estimated through user cost approach, using the capital stock of rural residential buildings. The National level estimates are allocated to States using State-wise stock of rural dwellings as estimated from AIDIS, duly extrapolated for the reference year using growth in the number of dwellings and CPI(R). However, the State-wise estimates are compiled and supplied by the NSO.

Estimates at Constant Prices

14.12 In case of real estate, professional services and computer and information related services, the constant prices estimates of public sector are obtained by deflating the current prices estimates with CPI (General). The estimates of private corporations and private un-incorporated enterprises at constant prices are obtained by deflating the current prices estimates with CPI (Misc.). In case of urban dwellings, the estimates of gross value for constant prices are obtained by moving the base year estimates with inter-censal growth rate of dwellings. The estimates of repair and maintenance at constant prices are obtained by deflating the current prices estimates with the index of building material and labour. The

estimates of rural GVA at constant prices are worked out by deflating the current prices estimates using CPI (R).

The total GVA as worked out above for real estate, ownership of dwellings, computer and information related services and professional services is adjusted for FISIM. To arrive at NVA, estimates of CFC as supplied by the NSO have been deducted from the GVA.

The detailed estimates of GVA and NVA from Real Estate, Ownership of Dwellings and Professional services sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 44 and 45**, respectively.

Table – 44
Gross State Value Added and Net State Value Added
Real Estate, Ownership of Dwellings and Professional Services Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gross State Value Added (unadjusted)	4120406	5045830	6305088	7043426	8031525	9151768	10102668	11226983	12128332	12081363	13582551
1.1	Ownership of Dwellings	2025312	2447259	2894696	3241248	3488965	3851579	4337119	4841744	5154917	5425001	5834440
1.1.1	Urban Dwellings	885403	1007843	1120684	1238968	1362849	1507801	1706973	1944472	2105585	2305055	2463799
1.1.2	Rural Dwellings	1139909	1439416	1774012	2002280	2126116	2343778	2630146	2897272	3049331	3119946	3370641
1.2	Real Estate & Professional Services	2095094	2598571	3410392	3802178	4542560	5300189	5765549	6385239	6973415	6656361	7748111
2	Less: FISIM	27607	37844	42875	35921	42567	26540	35359	45110	39875	40093	44822
3	Gross State Value Added	4092800	5007987	6262214	7007505	7988958	9125228	10067309	11181873	12088456	12041269	13537729
4	Less: CFC	515145	636380	770105	967707	1071505	1206990	1362062	1513288	1607504	1710142	1827593
5	Net State Value Added	3577655	4371607	5492109	6039798	6917453	7918238	8705247	9668585	10480953	10331127	11710135

Table – 45
Gross State Value Added and Net State Value Added
Real Estate, Ownership of Dwellings and Professional Services Sector (at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gross State Value Added (unadjusted)	4120406	4681245	5475992	5845855	6401096	6972003	7355265	7780865	8038675	7537935	8033493
1.1	Ownership of Dwellings	2025312	2243591	2465079	2615458	2694825	2824499	3023476	3236186	3315918	3323103	3434809
1.1.1	Urban Dwellings	885403	931241	979201	1030119	1082788	1139661	1199899	1261617	1328383	1396796	1468485
1.1.2	Rural Dwellings	1139909	1312350	1485878	1585339	1612037	1684838	1823578	1974569	1987534	1926308	1966325
1.2	Real Estate & Professional Services	2095094	2437653	3010913	3230397	3706271	4147505	4331788	4544679	4722757	4214832	4598683
2	Less: FISIM	27607	37693	42005	34234	40329	24986	31375	37041	30863	30486	32459
3	Gross State Value Added	4092800	4643552	5433987	5811621	6360767	6947017	7323890	7743824	8007812	7507450	8001034
4	Less: CFC	515145	595376	697064	826454	906856	1014354	1100190	1164190	1223660	1279446	1208156
5	Net State Value Added	3577655	4048176	4736923	4985167	5453911	5932663	6223700	6579634	6784152	6228004	6792878

PUBLIC ADMINISTRATION SECTOR

COVERAGE

15.1 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 and 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 OF MATERIAL

Estimates at Current Prices

15.2 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 NVA 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 National GVA at current prices is compiled by the analysis of budget documents of Central Government using production approach. The National GVA is allocated to States on the basis of number of Central Government employees across States. However, the estimates of Gross/Net State Value Added from Central Government Administration under the supra-regional sectors have been prepared and supplied by the NSO.

(ii) State Government: The estimates are compiled by the analysis of State Government budget using production approach. 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 travelling allowance) has been taken into account. The wages and salaries of staff engaged in departmental commercial undertakings, construction activities, and education, medical and public health have been excluded from this sector and accounted for in the respective industry groups. 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 National GVA are compiled using production approach for the sampled Central autonomous institutions for the base year and these benchmark estimates have been projected for the subsequent years at the National level with the help of total grants given to all autonomous institutions. These estimates are allocated to the States on the basis of indicators like location of these institutions and State-wise public sector LI proportions as per NSS 68th round. The estimates of GVA of State autonomous institutions are also compiled by the analysis of annual accounts using production approach.

(iv) Local Bodies: The local bodies cover Municipal Committees, Zila Parisad and Panchayat Samities, Gram Panchayats, Market Committees, Improvement Trusts and Cantonment Boards. As per the recommendations of the Thirteenth Finance Commission (TFC), one of the milestones to be achieved by the States' Directorate of Economics and Statistics (DES), is the economic and purpose classification of expenditure of local bodies (LB) by collecting their receipt and payment accounts. Under TFC, eleven States namely Uttar Pradesh, Tamilnadu, Meghalaya, Maharashtra, Kerala, Karnataka, Himachal Pradesh, Delhi, Chandigarh, Andhra Pradesh and Telangana have collected the accounts of local bodies and analysed these accounts for the economic and purpose classification of their expenditure. On the basis of this information, which accounts for about 60 percent of the transfers to all local bodies, National level estimates are compiled. In the States where accounts of local bodies have not been analysed, the National level estimates are apportioned to the State based on the share of the transfers received by the State, after making due adjustments for the actual estimates of the above mentioned eleven States.

Estimates at Constant Prices

15.3 The estimates of value added at constant prices have been obtained by deflating the current prices estimates with CPI (General) with base year 2011-12.

15.4 The estimates of CFC supplied by the NSO have been used.

The detailed estimates of GVA and NVA from Public Administration sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in Tables 46 and 47.

Table – 46
Gross State Value Added and Net State Value Added
Public Administration Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Net State Value Added	563446	639584	693296	829134	893038	990669	1182032	1273180	1418947	1614300	1657533
1.1	State Government & Local Bodies	518645	589797	639741	769692	829037	912524	1096067	1183413	1319401	1508200	1543624
1.2	Central Government	30162	33630	36580	41102	43449	55863	61849	65455	70860	76089	81491
1.3	Autonomous Institutions	14639	16157	16975	18340	20552	22282	24116	24312	28686	30011	32418
2	Add: CFC	166368	182602	192364	219462	221234	233407	259269	268533	287069	323316	549099
3	Gross State Value Added	729814	822186	885660	1048596	1114272	1224076	1441301	1541713	1706016	1937616	2206632

Table – 47
Gross State Value Added and Net State Value Added
Public Administration Sector (at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Net State Value Added	563446	588556	588636	667418	691045	734482	841484	880971	941792	1016882	984471
1.1	State Government & Local Bodies	518645	542741	543166	619570	641521	676545	780285	818858	875721	950047	919766
1.2	Central Government	30162	30947	31058	33085	33621	41417	44030	45291	47032	47930	46402
1.3	Autonomous Institutions	14639	14868	14412	14763	15903	16520	17168	16823	19040	18905	18302
2	Add: CFC	166368	175472	179417	198491	201446	212036	228765	228410	239999	264650	398592
3	Gross State Value Added	729814	764028	768053	865909	892491	946518	1070249	1109381	1181792	1281532	1383063

OTHER SERVICES SECTOR

COVERAGE

16.1 The economic activities covered under this sector are:

- (i) Education services
- (ii) Human health and care services
- (iii) Recreation, cultural and sporting activities
- (iv) Activities of membership organizations
- (v) Personal services including washing, hair dressing, custom tailoring and other personal service activities
- (vi) Private households with employed person

The activity of extra territorial organizations and bodies was the economic activity under this sector in the previous (2004-05) series. This activity is not a part of GDP and hence, have been excluded from this group. The categories 'Sewerage and refuse disposal' and 'Veterinary services' have been removed from this group and classified as a part of utility services in 'Electricity, gas, water supply and other utility services' group and 'Professional services' respectively. 'Social work with and without accommodation' which was part of activities of membership organizations in old series is now a part of 'Human health and care services'. Further, 'Broadcasting' which was earlier a part of 'Recreation' is now covered in the group 'Communication and services related to broadcasting'.

METHODOLOGY AND SOURCE OF MATERIAL

Estimates at Current Prices

16.2 In the earlier series, the base year estimates of value added of private corporate as well as unorganized parts for this activity were prepared using the labour input method. For the public sector part, estimates were compiled by analyzing the budget documents of Central and State Governments, reports of autonomous institutions and annual reports of public undertakings.

16.3 In the current series, there is no change in the estimation of public part. There is a deviation in the case of private corporate sector, which has now been covered under the MCA21 data base. For the private un-incorporated enterprises (quasi-corporations and household enterprises), the estimates of all categories except 'private households employing persons' have been compiled using effective labour input method for the current series. The value added generated by private households with employed persons relates to wages paid to 'employed persons' by the households. Therefore, the information related to

wages was estimated from the NSS 68th round, Employment and Unemployment, Survey 2011-12.

16.4 In case of Administrative Departments and Public Corporations, the estimates of State GVA at current prices from Education, Health and Recreation are estimated by the analysis of budget documents and annual reports using production approach. In case of Central NDEs, GVA is allocated to States. CE is distributed on the basis of the number of employees in each State in proportion to State-wise employment in that NDE, while OS is distributed in proportion to the State-wise gross block (value of assets) of that NDE.

16.5 In case of central autonomous institutions, the estimates of GVA from Education and Health are compiled using production approach for the sampled autonomous institutions for the base year and these benchmark estimates have been projected at the National level with the help of total grants given to all autonomous institutions. These are allocated to the States on the basis of indicators like location of these institutions and State-wise public sector LI proportions as per NSS 68th round. The estimates of GVA are compiled using production approach for the State autonomous institutions.

16.6 In case of private corporations, the National GVA from coaching centers, activities of the individuals providing tuition, education excluding coaching and human health activities and care services, the National GVA is compiled by production approach using MCA21 data base and allocated to States for the base year on the basis of LI from NSS 68th round. For subsequent years, previous year's estimate is moved using State-wise inter-survey growth in the expenditure on education/health between NSS 64th and NSS 71st rounds. For remaining social and personal services, the estimates of National GVA are compiled by production approach using MCA21 data base and allocated to States on the basis of LI from NSS 68th round.

16.7 In case of private unincorporated enterprises, base year National GVA from coaching centers, activities of the individuals providing tuition and education excluding coaching has been allocated to States on the basis of GVA from NSS 67th round and LI from NSS 68th round. For subsequent years, previous year's estimate is moved using State-wise inter-survey growth in the expenditure on education between NSS 64th and NSS 71st rounds. In case of human health activities and care services, base year National GVA has been allocated on the basis of GVA from NSS 67th round and LI from NSS 68th round. For subsequent years, previous year's estimate is moved using State-wise inter-survey growth in the consumer expenditure on health between NSS 61st and NSS 68th rounds. In case of remaining social and personal services, base year GVA has been allocated on the basis of

GVA from NSS 67th round and LI from NSS 68th round. For subsequent years, previous year's estimate is moved using inter-survey growth in consumer expenditure in non-food items (excluding education and health). In case of private households with employed persons, base year National GVA has been allocated on the basis of LI from NSS 68th round. For subsequent years, previous year's estimate is moved using inter-survey growth of LI between NSS 61st round and NSS 68th round and CPI (General).

Estimates at Constant Prices

16.8 The estimates of GVA from Education services at current prices are deflated with CPI (Education) to compile GVA at constant prices. The estimates of GVA from Health services at current prices are deflated with CPI (Health) to work out GVA at constant prices. In case of private households with employed person, base year's estimate is moved using inter-survey growth of LI between NSS 61st round and NSS 68th round. In the remaining services, the current prices estimates are deflated with CPI (Misc.) to reach at constant prices estimates.

16.9 The estimates of GVA are adjusted for FISIM. The estimates of CFC as supplied by the NSO have been used to compile NVA.

The detailed estimates of GVA and NVA from Other Services sector for the years 2011-12 to 2021-22 at both current and constant prices have been given in **Tables 48 and 49**.

Table – 48
Gross State Value Added and Net State Value Added
Other Services Sector (at Current Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gross State Value Added (unadjusted)	1291118	1498868	1676974	2039377	2293707	2635205	3131404	3475229	4000747	4392478	4892895
1.1	Education	819871	955359	1053356	1312160	1453778	1661973	2018114	2197356	2538253	2750119	3045492
1.2	Medical	241452	275170	308934	358310	408190	466919	519598	585512	651083	691897	730484
1.3	Private Households	12473	12705	13770	14525	15109	15769	16422	16896	16335	15593	15904
1.4	Remaining Services	217322	255633	300913	354382	416631	490543	577270	675464	795076	934870	1101015
2	Less: FISIM	25306	22783	24148	29163	41745	52704	61376	71633	81170	98694	103354
3	Gross State Value Added	1265812	1476085	1652825	2010214	2251962	2582501	3070029	3403596	3919578	4293784	4789541
4	Less: CFC	69633	81228	89898	106990	147582	167190	163283	233207	268425	285741	325656
5	Net State Value Added	1196179	1394857	1562927	1903224	2104380	2415310	2906746	3170389	3651153	4008044	4463885

Table – 49
Gross State Value Added and Net State Value Added
Other Services Sector (at Constant Prices)

(₹ Lakh)

Sr. No.	Items	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gross State Value Added (unadjusted)	1291118	1406945	1468329	1688309	1805818	1975372	2226730	2306563	2486091	2590715	2803391
1.1	Education	819871	899755	918918	1074308	1126785	1222309	1394881	1410642	1524057	1568518	1726564
1.2	Medical	241452	254622	270734	299491	325536	355423	383977	401091	409332	416031	409004
1.3	Private Households	12473	12650	12829	13011	13196	13383	13572	13765	13960	14157	14358
1.4	Remaining Services	217322	239919	265848	301499	340301	384258	434299	481066	538742	592008	653465
2	Less: FISIM	25306	22692	23659	27793	39551	49618	54459	58820	62824	75044	78045
3	Gross State Value Added	1265812	1384253	1444671	1660516	1766267	1925754	2172271	2247743	2423267	2515671	2725346
4	Less: CFC	69633	77567	83493	94360	130553	147377	138963	188768	214591	224348	241523
5	Net State Value Added	1196179	1306686	1361178	1566156	1635714	1778377	2033308	2058975	2208676	2291323	2483823

Table – 50
Gross State Domestic Product of various States and All-India (at Current Prices)

Sr. No.	State/UT	(₹ Crore)										
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Andhra Pradesh	379402	411404	464272	524976	604229	684416	786135	873721	925839	956788	1133837
2	Arunachal Pradesh	11063	12547	14581	17959	18509	19902	22475	25335	30024	30548	35124
3	Assam	143175	156864	177745	195723	227959	254382	283165	309336	346851	353605	412612
4	Bihar	247144	282368	317101	342951	371602	421051	468746	527976	581855	567263	650302
5	Chhattisgarh	158074	177511	206833	221118	225163	262802	282737	327107	344648	347752	406416
6	Goa	42367	38120	35921	47814	55054	62976	69352	71853	75032	75705	82604
7	Gujarat	615606	724495	807623	921773	1029010	1167156	1329095	1492156	1617143	1616106	1937066
8	Haryana	297539	347032	399268	437145	495504	561424	638832	698940	732195	741850	870665
9	Himachal Pradesh	72720	82820	94764	103772	114239	125634	138551	148383	159164	155251	176269
10	Jharkhand	150918	174724	188567	218525	206613	236250	269816	305695	310305	296664	358863
11	Karnataka	606010	695413	816666	913923	1045168	1207608	1333240	1479391	1611134	1625073	1962725
12	Kerala	364048	412313	465041	512564	561994	634886	701588	788286	812935	771724	932470
13	Madhya Pradesh	315562	380925	439483	479939	541068	649823	726284	829805	927855	961643	1136137
14	Maharashtra	1280369	1459629	1649647	1779138	1966225	2198185	2352782	2528854	2657371	2627542	3108022
15	Manipur	12915	13743	16182	18129	19531	21294	25789	27388	29813	29776	36594
16	Meghalaya	19918	21872	22938	23235	25117	27439	29508	32176	34770	33776	38785
17	Mizoram	7259	8362	10293	13509	15139	17192	19385	21912	24990	23923	27824
18	Nagaland	12177	14121	16612	18401	19524	21722	24393	26527	29716	29832	31913
19	Odisha	230987	261700	296475	314250	328550	392804	440395	498611	537502	540150	670881
20	Punjab	266628	297734	332147	355102	390087	426988	471014	512510	537031	540853	614227
21	Rajasthan	434837	493551	551031	615642	681482	760587	832529	911519	998679	1019442	1218193
22	Sikkim	11165	12338	13862	15407	18034	20687	25971	28402	31441	33018	37557
23	Tamil Nadu	751486	854825	968530	1072678	1176500	1302639	1465051	1630209	1743144	1788074	2071286
24	Telangana	359434	401594	451580	505849	577902	658325	750050	857427	950090	942814	1128907
25	Tripura	19208	21663	25593	29533	35938	39479	43716	49823	54151	53504	62550
26	Uttar Pradesh	724050	822393	940356	1011790	1137808	1288700	1439925	1582180	1700062	1645317	1974532
27	Uttarakhand	115328	131613	149074	161439	177163	195125	220222	230314	239247	236860	272159
28	West Bengal	520485	591465	676849	718082	797300	872527	974700	1102054	1179097	1155821	1363926
29	Andaman & Nicobar	3978	4421	5023	5477	6032	6836	7890	9003	9765	9310	10371
30	Chandigarh	18768	21609	24822	26549	29275	32427	36344	40139	43421	39442	45635
31	Delhi	343798	391388	443960	494803	550804	616085	677900	738389	792911	763435	904642
32	Jammu & Kashmir-UT *	78256	87138	95621	98367	117168	124848	139709	159859	164103	167652	199917
33	Puducherry	16818	18875	21870	22574	26617	29573	32129	34171	36999	36116	44238
	All-India GDP	8736329	9944013	11233522	12467959	13771876	15391668	17090042	18899669	20103594	19829927	23471013

Source : Department of Economic & Statistical Affairs, Haryana for Haryana State & NSO, New Delhi for other States as per the data published as on 01.08.2023 & for All-India as per the data published as on 31.05.2023.

* : For the years 2011-12 to 2018-19, information relates to Jammu & Kashmir and Ladakh and for the years 2019-20 to 2021-22, relates to UT of Jammu & Kashmir.

Table – 51
Gross State Domestic Product of various States and All-India (at Constant Prices)

Sr. No.	State/UT	₹ Crore										
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Andhra Pradesh	379402	380629	407115	444564	498606	540212	594737	626614	649810	633720	704889
2	Arunachal Pradesh	11063	11299	12339	14383	14240	14893	15572	16668	19140	18451	19801
3	Assam	143175	147342	154525	165212	191109	202081	219919	231040	240707	242946	262523
4	Bihar	247144	256851	269650	279482	296488	318797	344028	381383	398329	368733	399930
5	Chhattisgarh	158074	165977	182580	185813	190584	213705	220136	244579	251325	246804	267681
6	Goa	42367	35850	31568	40116	46091	51249	52653	53063	54812	53360	55548
7	Gujarat	615606	682650	734284	811428	894465	981342	1086570	1183020	1265277	1241118	1372204
8	Haryana	297539	320912	347507	370535	413405	456709	482036	532996	544275	510306	568086
9	Himachal Pradesh	72720	77384	82847	89060	96274	103055	109406	116414	121187	117555	126433
10	Jharkhand	150918	163250	165816	186534	174881	193174	210587	229274	231755	219483	243348
11	Karnataka	606010	643033	704466	748429	831330	941774	1019708	1085101	1148806	1108212	1229713
12	Kerala	364048	387693	402781	419956	451210	485302	516190	554228	559194	511703	572747
13	Madhya Pradesh	315562	351683	365134	383944	418736	470669	497102	543272	567525	543935	600689
14	Maharashtra	1280369	1357942	1451615	1543165	1654284	1807046	1888706	1957381	2004663	1858370	2027971
15	Manipur	12915	12993	14115	15245	16424	17082	18751	18262	19187	18073	20515
16	Meghalaya	19918	20354	20726	20140	20638	21730	22564	23719	24923	22967	24267
17	Mizoram	7259	7778	9038	11261	12324	13595	14758	16100	17884	16427	18494
18	Nagaland	12177	12868	13793	14399	14660	15650	16440	16868	18477	17673	18363
19	Odisha	230987	243363	265892	270665	292229	337348	361117	386733	397530	389125	432960
20	Punjab	266628	280823	299450	312125	330052	352721	375406	397019	413295	407264	433769
21	Rajasthan	434837	454564	486230	521509	563340	596746	628020	643278	676785	663515	738922
22	Sikkim	11165	11421	12114	13071	14370	15397	17673	18625	19492	19557	20728
23	Tamil Nadu	751486	791824	851976	893915	967562	1036762	1125793	1204667	1243836	1244650	1343287
24	Telangana	359434	370113	389957	416332	464542	507946	557410	608401	640968	602284	674371
25	Tripura	19208	20873	22819	26965	26787	30538	33093	36754	38063	36404	39487
26	Uttar Pradesh	724050	758205	802070	834432	908241	1011500	1056399	1097353	1141630	1093168	1204660
27	Uttarakhand	115328	123710	134182	141278	152699	167703	180956	186083	189740	178764	193412
28	West Bengal	520485	542191	558535	574364	609545	653416	694981	738920	761901	711235	787758
29	Andaman & Nicobar	3978	4156	4488	4742	5092	5752	6464	6867	7266	6715	7172
30	Chandigarh	18768	20285	22105	22870	24932	26917	28480	29866	31679	28618	30287
31	Delhi	343798	366628	392908	428355	475623	511765	542015	565327	586168	547682	597765
32	Jammu & Kashmir-UT *	78256	80767	85102	82372	97001	100203	106624	115062	113919	112273	124728
33	Puducherry	16818	17310	19170	18207	19060	20474	22318	26209	26374	24021	27834
	All-India GDP	8736329	9213017	9801370	10527674	11369495	12308193	13144583	13992916	14534641	13687118	14925840

Source : Department of Economic & Statistical Affairs, Haryana for Haryana State & NSO, New Delhi for other States as per the data published as on 01.08.2023 & for All-India as per the data published as on 31.05.2023.

* : For the years 2011-12 to 2018-19, information relates to Jammu & Kashmir and Ladakh and for the years 2019-20 to 2021-22, relates to UT of Jammu & Kashmir.

Table – 52
Per Capita Income of various States and All-India (at Current Prices)

Sr. No.	State/UT	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Andhra Pradesh	69000	74687	82870	93903	108002	120676	138299	154031	160341	163746	192587
2	Arunachal Pradesh	73540	82626	94135	114789	116985	124129	138836	155103	182171	181684	205645
3	Assam	41142	44599	49734	52895	60817	66330	75151	81034	90123	90482	102965
4	Bihar	21750	24487	26948	28671	30404	34045	36850	40715	44175	42083	47498
5	Chhattisgarh	55177	60849	69880	72936	72991	83285	88793	102024	106603	104788	120704
6	Goa	259444	234354	215776	289185	334576	378953	411740	423716	435949	431351	472070
7	Gujarat	87481	102826	113139	127017	139254	156295	176961	197457	212428	207324	241930
8	Haryana	106085	121269	137770	147382	164963	184982	208437	223022	230563	229065	264835
9	Himachal Pradesh	87721	99730	114095	123299	135512	150290	165497	174804	186559	177924	201271
10	Jharkhand	41254	47360	50006	57301	52754	60018	67484	75421	75016	69963	84059
11	Karnataka	90263	102319	118829	130024	148108	169898	185840	205245	221431	221310	265623
12	Kerala	97912	110314	123388	135537	148133	166246	183252	205437	208879	194432	233855
13	Madhya Pradesh	38497	44773	51849	55678	62080	74324	81966	92337	101909	103654	121594
14	Maharashtra	99597	112092	125261	132836	146815	163726	172663	182865	189889	183704	215233
15	Manipur	39762	41230	47798	52717	55447	59345	71507	73795	78574	75784	91560
16	Meghalaya	60013	64036	65118	64638	68836	73753	77504	82653	87653	90751	103335
17	Mizoram	57654	65013	77584	103049	114055	127107	155222	164708	195365	173521	198962
18	Nagaland	53010	61225	71510	78367	82466	91347	102003	109198	122759	119781	125887
19	Odisha	48387	54762	60687	63345	64835	77507	87055	98005	104633	103203	128181
20	Punjab	85577	94318	103831	108970	118858	128780	139835	149974	154385	150620	168705
21	Rajasthan	57192	63658	69480	76429	83426	91924	98698	106604	115360	115122	135962
22	Sikkim	158667	174183	194624	214148	245987	280729	349163	375773	412627	415045	463509
23	Tamil Nadu	93112	105340	116960	129494	142028	156595	175276	194373	206165	209628	242253
24	Telangana	91121	101007	112162	124104	140840	159395	179358	209848	231326	225663	270839
25	Tripura	47155	52574	61815	69857	84267	91596	100444	113016	121456	118401	137472
26	Uttar Pradesh	32002	35812	40124	42267	47118	52671	57944	62350	65660	61434	73048
27	Uttarakhand	100314	113654	126356	136099	147936	161752	180858	186195	190543	184002	211657
28	West Bengal	51543	58195	65932	68876	75992	82291	91401	103920	110313	106510	124798
29	Andaman & Nicobar	89100	98777	111087	126344	137064	153904	178709	204254	219653	205368	229080
30	Chandigarh	158967	180457	203356	212594	230009	252236	280512	307812	330703	290671	333932
31	Delhi	185001	205568	227900	247209	270261	295558	318323	338730	355798	331112	389529
32	Jammu & Kashmir-UT *	51775	57279	61907	62327	74950	78960	87710	98738	101868	101540	120790
33	Puducherry	119649	130548	148147	146921	172727	187356	198357	204140	217937	208453	251344
	All-India PCI	63462	70983	79118	86647	94797	104880	115224	125946	132341	127065	148524

Source : Department of Economic & Statistical Affairs, Haryana for Haryana State & NSO, New Delhi for other States as per the data published as on 01.08.2023 & for All-India as per the data published as on 31.05.2023.

* : For the years 2011-12 to 2018-19, information relates to Jammu & Kashmir and Ladakh and for the years 2019-20 to 2021-22, relates to UT of Jammu & Kashmir.

Table – 53
Per Capita Income of various States and All-India (at Constant Prices)

Sr. No.	State/UT	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 (P)	2021-22 (Q)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Andhra Pradesh	69000	68865	72254	79174	88609	94115	103177	108853	110587	105880	117464
2	Arunachal Pradesh	73540	73960	79004	91034	88768	91311	94001	99570	113081	106002	111776
3	Assam	41142	41609	43002	44809	50642	53575	57835	59943	61519	61304	65726
4	Bihar	21750	22201	22776	23223	24064	25455	26719	29092	29798	26820	28679
5	Chhattisgarh	55177	56777	61409	61122	61433	67139	68374	75438	76749	73259	78377
6	Goa	259444	220019	188358	241081	278601	305875	308296	308753	313973	298527	310201
7	Gujarat	87481	96683	102589	111370	120683	129738	143604	154887	164060	156285	170384
8	Haryana	106085	111780	119791	125032	137833	150259	156200	169604	170616	155756	172657
9	Himachal Pradesh	87721	92672	98816	105241	112723	122208	129303	136292	140944	134111	143639
10	Jharkhand	41254	44176	43779	48781	44524	48826	52277	56133	55658	51464	56559
11	Karnataka	90263	94375	101858	105697	116813	131186	140745	149024	156086	149030	164471
12	Kerala	97912	103551	107846	112444	120387	129251	137181	147347	147951	132531	148810
13	Madhya Pradesh	38497	41142	42548	44027	47351	52782	54824	59005	60452	56320	61534
14	Maharashtra	99597	104008	109597	115058	122889	133686	137808	140782	142211	127970	138490
15	Manipur	39762	38954	41441	44101	46389	47151	51211	48106	49267	44449	49602
16	Meghalaya	60013	59703	58681	55880	56039	57752	58493	60132	61755	60522	63295
17	Mizoram	57654	60261	67594	85056	91845	99089	117272	119022	130741	116229	129785
18	Nagaland	53010	55482	58619	60372	60663	64259	66813	70218	73361	68272	70020
19	Odisha	48387	50769	54209	54361	57806	66416	71032	75421	76462	73357	81178
20	Punjab	85577	88915	93238	95807	100141	105848	110857	115592	118487	113025	118227
21	Rajasthan	57192	58441	61053	64496	68565	71324	73529	73975	76643	73140	80545
22	Sikkim	158667	160553	168897	180675	195066	207355	232483	240743	248691	237212	246526
23	Tamil Nadu	93112	97257	102191	107117	115875	123206	133029	141844	144845	143482	154557
24	Telangana	91121	92732	96039	101424	112267	121512	131503	146777	153286	140703	158202
25	Tripura	47155	50501	54645	63992	61612	69860	75020	82313	83985	79123	85210
26	Uttar Pradesh	32002	32908	34044	34583	36973	40847	41771	42333	43061	39735	43420
27	Uttarakhand	100314	106359	112900	118979	127249	138784	148011	150179	150820	137987	149015
28	West Bengal	51543	53157	53815	54520	57255	60618	64007	68195	69559	63562	69890
29	Andaman & Nicobar	89100	92644	98735	106711	114660	129532	145562	154233	161564	146995	163138
30	Chandigarh	158967	169336	180615	182867	195205	208231	218201	227231	239289	209368	219778
31	Delhi	185001	192220	200702	213669	233115	244255	252960	257597	260559	234569	252024
32	Jammu & Kashmir-UT *	51775	52821	54783	51649	61388	62398	65621	69183	68437	65444	72574
33	Puducherry	119649	119196	129127	117102	121000	126532	134934	155466	153166	135586	155246
	All-India PCI	63462	65538	68572	72805	77659	83003	87586	92133	94420	86054	92583

Source : Department of Economic & Statistical Affairs, Haryana for Haryana State & NSO, New Delhi for other States as per the data published as on 01.08.2023 & for All-India as per the data published as on 31.05.2023.

* : For the years 2011-12 to 2018-19, information relates to Jammu & Kashmir and Ladakh and for the years 2019-20 to 2021-22, relates to UT of Jammu & Kashmir.

ABBREVIATIONS USED IN THE PUBLICATION

A	Advance
AIDIS	All India Debt and Investment Survey
ASI	Annual Survey of Industries
CBRI	Central Building Research Institute
CCI	Cost of Construction Index
CCS	Cost of Cultivation Studies
CE	Compensation of Employees
CES	Consumer Expenditure Survey
CFC	Consumption of Fixed Capital
CPI (AL)	Consumer Price Index of Agricultural Labourers
CPI (General)	Consumer Price Index (General)
CPI (Health)	Consumer Price Index of Health
CPI (IW)	Consumer Price Index of Industrial Workers
CPI (Misc.)	Consumer Price Index (Miscellaneous)
CPI (R)	Consumer Price Index (Rural)
CPI (RL)	Consumer Price Index of Rural Labourers
CPI (T&C)	Consumer Price Index of Transport and Communication
CSO	Central Statistics Office
CWC	Central Warehousing Corporation
DCU	Departmental Commercial Undertaking
DE	Departmental Enterprises
DES	Directorate of Economics and Statistics
DGE&T	Director General, Employment and Training
DLR	Directorate of Land Records
DME	Directory Manufacturing Enterprises
DOBS	Dwellings, Other Buildings & Structures
DR	Deposit Rate
DSO	District Statistical Officer
ELI	Effective Labour Input
EPC	Engineering, Procurement & Construction
ES	Employment Survey
EUS	Employment and Unemployment Survey
FISIM	Financial Intermediation Services Indirectly Measured

ABBREVIATIONS USED IN THE PUBLICATION

FSI	Forest Survey of India
GAIL	Gas Authority of India Limited
GDP	Gross Domestic Product
GOI	Government of India
GSDP	Gross State Domestic Product
GSVA	Gross State Value Added
GVA	Gross Value Added
GVAPW	Gross Value Added Per Worker
GVO	Gross Value of Output
IASRI	Indian Agricultural Statistics Research Institute
IBM	Indian Bureau of Mines
IIP	Index of Industrial Production
IPD	Implicit Price Deflator
IRDA	Insurance Regulatory and Development Authority
ISFR	India State of Forest Report
ISS	Integrated Sample Survey
KVIC	Khadi and Village Industries Commission
LI	Labour Input
LPG	Liquefied Petroleum Gas
LR	Lending Rate
MCA	Ministry of Corporate Affairs
MSME	Micro, Small and Medium Enterprises
MT	Metric Tonnes
NABARD	National Bank for Agriculture and Rural Development
NAD	National Accounts Division
NAS	National Accounts Statistics
NASSCOM	National Association of Software and Service Companies
NDCU	Non Departmental Commercial Undertaking
NDE	Non-Departmental Enterprise
NDP	Net Domestic Product
NHAI	National Highways Authority of India
NHB	National Horticulture Board
NHPC	National Hydroelectric Power Corporation

ABBREVIATIONS USED IN THE PUBLICATION

NIC	National Industrial Classification
NPCMS	National Product Classification for Manufacturing Sector
NPI	Non-Profit Institution
NPISH	Non-Profit Institution Serving Household
NRB	Non-Residential Building
NRCM	National Research Centre on Meat
NSDP	Net State Domestic Product
NSO	National Statistical Office
NSS	National Sample Survey
NSSO	National Sample Survey Organisation
NSVA	Net State Value Added
NTPC	National Thermal Power Corporation
NVA	Net Value Added
OAE	Own Account Enterprise
OCW	Other Construction Work
OS	Operating Surplus
P	Provisional
PCI	Per Capita Income
PFRDA	Pension Fund Regulatory and Development Authority
POSI	Profit on Sale of Investments
PP	Public Private
Q	Quick
RBI	Reserve Bank of India
R&D	Research & Development
RR	Reference Rate
RRB	Rural Residential Building
SDP	State Domestic Product
SEBI	Securities and Exchange Board of India
SNA	System of National Accounts
SSB	State Statistical Bureau
STPI	Software Technology Park of India
SWC	State Warehousing Corporation
TFC	Thirteenth Finance Commission

ABBREVIATIONS USED IN THE PUBLICATION

TOF	Trees Outside Forests
TTM	Trade & Transport Margin
UNME	Urban Non-Manual Employees
URB	Urban Residential Building
UTIMF	Unit Trust of India Mutual Funds
VAPW	Value Added Per Worker
VPH	Value Per Hectare
WPI	Wholesale Price Index
..	Not Available
-	Nil or Negligible
