

Preparation of Input-Output Transaction Table for Uttar Pradesh

REPORT

Sponsored by



**Directorate of Economics and Statistics, Department of Planning,
Government of Uttar Pradesh
Lucknow**

Submitted by

**B. K. Bajpai
Shivakar Tiwari**

Consultants

Prof. Shri Prakash

Prof. Yashvir Tyagi



GIRI INSTITUTE OF DEVELOPMENT STUDIES
(An Autonomous Institute Funded by ICSSR and Govt. Of Uttar Pradesh)
Sector - O, Aliganj Housing Scheme
LUCKNOW - 226024, U.P.
INDIA

April 2020

PREFACE

Sustainable Development Goals (SDGs) of United Nations has listed reduction in inequality and poverty incidence as important Goals. In India, Higher economic growth and balanced regional development along with poverty reduction remained important objective of development planning. Achieving higher economic growth requires, among different factors, investment in sectors with higher backward-forward linkages as crucial factor. Further for balanced development, contribution of all the sectors of economy is necessary and is mandatory for both inclusive developments essential for poverty reduction as well as improvement in standard of living.

Designing policy and planning for optimum level of production requires understanding of interdependence of different sectors of the economy and has strong implication of the planning process. It not only affects the economic outcome of the present but also decide the future direction is also dependent on the backward and forward linkages among the different sectors of the economy. Tools like national income accounting are helpful in examination of the role of different sectors of the economy but for future policy it has limited effect. In this context Input-output economic is effective. Input-output technique deals with the quantitative analysis of the interdependence among various producing sectors of the economy as well as final consuming sectors. There have been various attempts by individual researcher and from various institutions like Indian Statistical Institute (ISI) and Gokhale Institute of Politics and economics in designing input-output transaction table (IOTT) for India. Since 1970s this task has been taken by CSO that publishes IOTT for all India at regular interval the lasts being all India IOT for the year 2007-08.

The economy of the state of Uttar Pradesh has huge implication on the objective of development planning at all India level. The overall higher economic development of India will be a distant dream if Uttar Pradesh remained laggard. In the last four decades the economy of Uttar Pradesh has expanded five times. At 2004-05 prices Rs 88296 crore in 1980-81 which grows to up to Rs 427759 crore in 2014-15. However, the per capita income of the state increases from Rs 8400 in 1980-81 to Rs 20057 in 2014-15. During this period, the Uttar Pradesh economy has underwent through significant structural transformation. The share of agriculture sector has declined from around 40.5 percent in 1980-81 to around 20.0 percent in 2014-15 and the share of services sector has increased from 35.6 percent to around 58.3 percent in the same period. Even in services sector the share of communication and storage has increased from less than 0.5 percent in 1980-81 to around 3.0 percent in 2014-15. Similarly the share of Banking and Insurance sectors has increased from around 0.9 percent to around 8 percent during the same period. So it can be seen that over the period the share of certain new

sector in the state economy has become dominant while that of traditionally important sectors has declined.

The construction of an I-O table in Uttar Pradesh was for the first time taken up by the Perspective Planning Division of the State Planning Institute, U.P. and IOTT consisting of 64 sectors was prepared for the year 1970-71. Further, this table was updated for the year 1977-78 and since then there has not been any attempt for preparation of the IOTT. Therefore, there is an urgent need for constructing an Input-Output Table for the latest year. In this way, the present study has crucial role as it has considered 107 sectors for the preparation of IOTT for the state. It has been the largest so far not only for the state of Uttar Pradesh but also in comparison to transaction table prepared by any other state.

Preparation of input-output table has been a huge exercise and it always been a team effort. In the preparation of the present table there has been contribution of many individuals and support from different institutions. The generous support from Directorate of Economics and Statistics, Department of Planning, Government of Uttar Pradesh has made this a possibility. Out heartfelt thanks are due to Shri Arvind Pandey, Director DES, UP for his support and making his team available for providing us required data and other information.

The IOTT of the state would not have been possible to take without the sincere guidance and painful effort of Prof. Shri Prakash, Former Dean, Centre for Research Studies, BIMTECH, Noida and Prof. Yashvir Tyagi, Former Head, Department of Economics, University of Lucknow. They have been a driving force and contributed as an anchor during the entire study and taken responsibility at all stages of finalising of the report. The contribution of Ms. Shikha Dixit and other team members of Prof. Shri Prakash in finalisation of study tables have been of immense importance for the successful completion of this study. We express our deep sense of gratitude to them. The data collection and its compilation in desired format has been base for preparation of matrix and the untiring effort of Mr. Satpal in this regard is duly recognised and appreciated. The important task of primary data collection by the field staff members, Ms. Sapna Gupta and Ms. Kajal Kiran has been done quite efficiently. We are thankful to them. Lastly the support of different departments of the state government for providing data and the support of the staff of Giri Institute of development studies is highly appreciated.

April 2020

B. K. Bajpai
Project Director

LIST OF ABBREVIATIONS

| | |
|-------|---|
| ASI | Annual Survey of Industry |
| CSO | Central Statistical Organisation |
| GFCE | Gross Fixed Capital Expenditure |
| GVA | Gross Value Added |
| GVO | Gross Value of Output |
| IOTT | Input Output Transaction Table |
| ISI | Indian Statistical Institute |
| NIC | National Industrial Classification |
| NSSO | National Sample Survey Organisation |
| PFCE | Private Final Consumption Expenditure |
| UME | Unorganised Manufacturing Enterprises |
| UPDES | Uttar Pradesh Directorate of Economics and Statistics |

CONTENT

Preface

List of Abbreviations

| Chapter no | Name | Page No |
|------------|---|---------|
| 1 | Introduction to the Report <i>Need of the Input output Transaction Table</i> <i>Brief History of IOTT in India and Uttar Pradesh</i> <i>Objectives Data Requirement and Computation</i> <i>Uses of IOTT in Planning Process</i> | 1-6 |
| 2 | Methods and Data Sources <i>Introduction</i> <i>Methodology of IOTT Preparation</i> <i>Classification and Aggregation</i> | 7-14 |
| 3 | Input Output Table: Features and Analysis | 15-26 |
| 4 | Concluding Observation | 27-30 |
| | Input Output Matrix | 31-125 |
| | Input Coefficient Matrix | 126-180 |
| | Leontief Inverse Matrix | 181-224 |
| | Appendix | 225-232 |
| | References | 233-234 |

CHAPTER 1

INTRODUCTION OF THE REPORT

1.1 NEED FOR THE INPUT-OUTPUT TRANSACTION TABLE (IOTT)

One of the important features of human civilization is expansion in its economic activities along with improvement in the way it performs the activities over the period. In the post industrialisation, at the macro level, the pace of economic development has led to diversification of economy in different sectors which is modifying consistently over the period. Although the broad sectors of classification remained primary secondary and tertiary but there has been many sectors that comprises these broad groups which is changing over the period.

The growth in the economic size has led to improvement in the standard of living of the people and is always desired to achieve higher economic growth in every period. This increase in size of economy as it grows over the period led to the transformation in the sectors of the economy. The sectoral transformation of economy arises the need to capture its changing economic structure. For this, statistical techniques and tools are utilised to better capture the transformation. Among various statistical tools, the input-output transaction table (IOTT) that describes all the transactions between the industries of an economy is useful tool to capture the changes in the economic structure.

Uttar Pradesh is the largest state of India in population size. As per census 2011, the state holds around one-sixth of total population of nation and currently population of the state is estimated to be around 220 million. Such large population of the states contributes significantly in the nation's economy both in demand and supply of goods and services. Similar to the all India economy, at 2004-05 prices, over the period the economy of the state has grown multifold by around 5 times between 1981-82 and 2014-15. This increase in size of the economy has led to introduction of many new sectors in the economy and many sectors

became either obsolete or their share in the economy is very negligible. Earlier, there have been attempts to construct IOTT for the economy of Uttar Pradesh and it has been more than 30 years since the last table was prepared. Since then the state economy has transformed significantly as we can see that the share of agriculture sector has declined significantly while those of services sectors has increased. So in order to capture the economic structure and studying the linkages between different sectors the updated IOTT for the state is highly desired.

Briefly discussing, Input- output economics was developed by W.W. Leontief for which he was also awarded Nobel Prize in Economics in 1973. It is an essential component of Linear Economics and input-output models emerged in the course of evolution of linear economics that comprises input-output economics, linear programming and game theory during the nineteen thirties. Input output analysis is powerful technique to describe in detail the structure of an economy and the inter-sectoral transactions. The table gives systematic description of the inter-dependence of different sectors of the economy by way of a two-way table consisting of rows and columns. The rows of the table give the distribution of the output of a sector in the form of flow of goods and services from a sector to all other sectors of the economy, while the columns give the input structure of a sector.

Further, I-O tables give the inter-industry transactions in value terms in the form of commodity cross industry matrix where the columns represent the industries and rows as groups of commodities, which are principal products of the corresponding industries. Each row of the matrix shows in the relevant columns, the deliveries of the total output of the commodities to the different industries for immediate consumption and final use. The final use vector consists of private consumption, government consumption, investment, net exports and changes in stocks.

The present chapter discusses the brief history of compilation of input output tables in India and Uttar Pradesh over the period since 1950s in section 1.2. Section 1.3 discusses the objective and data requirement for preparation of IOTT, and the main features of the IOTT are also described as well as utility of IOTT in planning process is discussed in Section 1.4.

1.2 BRIEF HISTORY OF IOTT IN INDIA AND UTTAR PRADESH

Historically, the compilation of IOTT in India can be described in three phases. The first includes the decades of 1950s where individual scholars made attempt to generate input output tables. The second phase includes the decades of 1960s and 1970s when Indian Statistical Institute (ISI) took initiative to compile input output tables. In the third phase since 1970s Government of India started compilation and publication of Input output transaction tables regularly through central statistical organization (CSO).

In the first phase as mentioned above, the first table was compiled by Chowdhury (1954). The target year of the Chowdhury's table was for 1948/49 and it consisted of 23 industrial sectors. Malenbaum (1955) also estimated a small four-sector table for the same target year. Since then, several tables for 1949/50, 1950/51, 1952/53, and 1953/54 were compiled in the early 1950's by the scholars and institutions such as Datta (1954), Mukherjee (1954), Goodwin and Chowdhury (1955), Indian Institute of Public Opinion (IIPO) (1954) and Malenbaum (1955), respectively.

Later on planning Unit of the Indian Statistical Institute (ISI) started to compile the I-O tables in as systematic manner from the late 1950s. In 1960, the ISI released its first 1951/52 table that is valued at the market price and consists of 36 industrial sectors. The tables for 1953/54 and 1955/56 tables with the same sector classification were also released in 1961. Further, the ISI compiled the tables valued at producer's price for 1960/61 (31 sectors) and 1964/65 (144 sectors)

In the third phase as mentioned above, along the CSO, the Planning Commission of India came out with several IOT table with increasing number of sectors. The first IOTT consistent with National Account statistics related to the year 1968-69 which was published by CSO jointly with the planning commission in the publication "National Account Statistics, 1978". Subsequent to its completion CSO undertook the preparation of IOTT for the year 1973-74 at its own and decided to continue the work relating to the preparation of IOTT on regular basis and publish them once in every five years. In this series, the Input Output Tables for the year 1973-74, 1978-79, 1983-84, 1989-90, 1993-94, 1998-99, 2003-04 and 2007-08 were published by CSO.

Over the period as the economy grows and its size expands the number of sectors considered in input-output tables have also increased subsequently. This was also facilitated by the greater availability of data about the inter-sectoral flows.

Input-Output Table Construction in Uttar Pradesh

The construction of an I-O table in Uttar Pradesh was for the first time taken up by the Perspective Planning Division of the State Planning Institute, U.P. and IOTT consisting of 64 sectors was prepared for the year 1970-71. Further, this table was updated for the year 1977-78 and since then there has not been any attempt for preparation of the IOTT. Therefore, there is an urgent need for constructing an Input-Output Table for the latest year. This Report is an attempt in this direction.

1.3 OBJECTIVES, DATA REQUIREMENT AND COMPUTATION:

The main objective of the study is to prepare input-output transaction table (IOTT) for the economy of state of Uttar Pradesh.

- Sector- classification of the state economy for the purpose of IOT has to be proceeded keeping in mind the broad structure of the economy and the relative importance of various sectors .The broad category of sectors: Agriculture, Industry and Services have to be divided into various sub-sectors. While preparing the table it will be taken care of that maximum possible sector is included in the transaction table. It may be the same as for the Indian economy for which the latest I-O table is a 130x130 sector table. The previous I.O. table for U.P. had 64 sectors. The present exercise would have to be a table with sectors numbering between 64 and 130. The ultimate number would emerge after all the data are available.
- Apart from number of sectors, the objective is also to prepare table for the latest reference period. Here the reference year is 2015-16 for which maximum data is available. However, once it is prepared the same can be updated for latest year with the availability of data.
- Once an IOTT is prepared, input-output coefficient matrix and inverse Leontief's matrix can also be generated which may be used for analytical and forecasting purposes. Given the time and resource this exercise may also be undertaken.

The construction of I-O table requires an enormous amount of data mostly secondary data from diverse sources but also primary data to fill up gaps in the secondary data. Since detailed description of data used in the preparation of table is discussed in chapter 2 here in brief the main source of data is mentioned.

Data on the flow of commodities and services among various sectors have to be obtained from ASI surveys, State income accounts, Economic census, Agriculture census, General census and other surveys. One of component of final demand is government expenditure and investment for which data on indirect taxes, subsidies, primary inputs are also required. Further for the private consumption expenditure NSSO data on consumption expenditure may be used. Other components like Exports and Imports from the state economy will be required for adjusted final demand component.

In the computation of table one of the challenges is dealing with the prices: the choice has to be between producer and purchaser prices. Valuation of inputs and outputs of various sectors is done at purchasers' prices. However, later these may be changed to factor cost by subtracting trade, transport margins and net indirect taxes. Once primary table is prepared for all the intermediate inputs and final demand for different sectors of the economy, the overall balancing is also essential in IOTT. This is done by adjusting the various items in the table. Compatibility with the State Income and GSDP estimates also has to be checked.

1.4 FEATURES AND USES OF IOTT IN PLANNING PROCESS

The input-output table has many important features which enable it as potent tool in the planning process.

- It deals with the quantitative analysis of the inter-dependence among various producing sectors of the economy as well as the final consuming sectors.
- An input-output table contains much useful information and provides a link with, and is statistical framework for a national accounting system.
- Input-output techniques are important analytical tools for analysing the structure of production in an economy.

As mentioned above, IOTT can be used in the planning process in several ways. Some of the important uses can be cited here.

Firstly, with the help of IOTT interdependence among the sectors can be captured by computing the backward and forward linkages. This would help in identifying the leading sectors of the economy.

Secondly, Technology matrix of the economy can be worked out which would help in knowing the resource efficiency of various sectors.

Thirdly, given the vector of final demand, consistent levels of output in different sectors can be worked out.

Fourthly income and employment multipliers for various sectors can also be computed.

Fifthly, the demand for different primary inputs, corresponding to a particular set of final demand, can be estimated with the help on input-output analysis.

Sixthly, IOTT of the state can be compared with the IOTT of India or other states to know the technological level and the structural transformation of the economy.

CHAPTER 2

METHODS AND DATA SOURCES

2.1 INTRODUCTION

The construction of Input Output Transaction Tables (IOTT) is an intensive empirical modeling that requires information from all the sectors of the economy. At a point of time the information on both its output produced as well as its sources of input for all the sectors of economy is required. Further, the distribution of output of sectors into different sectors and final consumption also required. Thus the most important task in the construction of IOTT is collection of authentic information for different sectors from all the agencies. The data procured and processed from different agencies for construction of IOTT has been discussed here. The process and source of data is discussed here below for different sectors separately.

2.2 METHODOLOGY OF IOTT PREPARATION

An input-output table shows the flows of goods and services from each branch (called sectors) of the economy to different branches of the economy over a specified period of time (usually a year). For producing the output in any branch of the economy, different types of raw material inputs and capital equipment along with labour are required. The outputs produced may be utilised for both intermediate and final use. The part of total gross output used as input for further production of goods and services may be termed as intermediate use. The remainder of gross output is directly utilised by final users. These final users may be further subdivided into broad groups such as private and public consumption, private and public investment and exports. The output produced by each branches are thus distributed to the other branches that use them as input into their production process and to final consumers.

The input-output system strictly depends on the assumption that inputs are dependent on the level of corresponding output in physical terms only and the input coefficients per unit of

gross output are invariant with respect to changes in prices of inputs or outputs. In actual practice almost all tables are prepared in money values as most of the statistics required for the compilation of the table are available only in value terms and for some of the inputs like services it is not possible to measure in quantity terms. The only alternative is to prepare the table in value terms along with the material balances for important commodities in quantity terms.

For constructing the input-output table the basic data requirements are the inputs going into different sectors, the output levels and the component wise final demands for the output of different sectors.

Once it is decided to have the table in money value the next question is about the type of prices to be used to get these values. Generally, the tables are prepared on the basis of two types of price--- producers' prices and purchasers prices. Producers' prices are those which are received by producers (ex-factory prices in the case of factories) while purchaser prices are those that are paid by the purchasers. The difference between the two sets of prices consists of trade and transport margins and net indirect taxes.

The data for the inputs are generally available at purchaser prices and it may be convenient to prepare table at these prices. The preparation of the table at producers' prices needs a table of distributive margins (trade, transport and net indirect taxes). To get this matrix is not an easy task.

2.3 CLASSIFICATION AND AGGREGATION

The first step in the preparation of an input-output table is to divide the whole economy into a number of sectors. A sector is either a commodity or a set of commodities taken together. This implies the grouping or classification of different commodities into sectors. This combination of commodities into sectors is called the aggregation of commodities.

There are various ways of working out the aggregation. One has to choose the scheme of aggregation in such a way that the margin of error is reduced. There will be no error introduced if either the input structure of the constituents is exactly the same or the constituents are expected to have the same rate of growth. Based on these criteria two alternative methods of aggregation have been suggested to reduce the instability of the coefficients: (1) aggregate commodities which have similar input structure and (2) aggregate

commodities whose outputs are likely to change in equal proportions. In practice, however, the classification scheme depends on the availability of specific data and the purpose of the study.

As per discussion in the above section, the first step is classification of economy in different sectors. The study as attempted to generate input-output table at the possible disaggregate level. For the total 100 sectors the input-output table for the state has been prepared. The data collection for intermediate input and output of different sectors has been extensive task. Here below the detailed about the process involved in preparation of final data for the table is discussed.

Data for Agricultural Crops

The tehsil wise data has been procured from Directorate of Economics and Statistics, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Govt. of India. We have received tehsil wise input-output data of 13 crops for nine agro-climatic zones of the state. There is 900 tehsils in the state and number of tehsils differs between the crops since no tehsil grows all these thirteen crops. The highest number of tehsils is associated with wheat and paddy crops. Since, the data provided are a mixture of words (names of Tehsils, blocks, zone, etc) and numerical values. Computer algorithms do not accept non-numerical data. These data sets cannot be straight away subjected to manipulation. Therefore, the first step was to create a new table for each crop grown in different tehsils that comprises different numbers of rows and columns as number of tehsils differs between the crops. As complete data of inputs and output of all 13 crops are available, each crop corresponds to one sector/crop. Initial computer algorithm is used to add all entries in a column, excluding rows of land, labor, capita and GVA. This operation yields total value of each input used in production of crop and output in all tehsils where the crop is grown. Summation of entries in last column furnish estimate of gross value of output. This algorithm is used step wise separately for each of the 13 crops. Next step classifies inputs of each crop in different production sectors in a separate table. This is defined as partial transaction matrix of agriculture of UP. As many as seven of these 13 crops do not have separate sectors of classification in Indian table, so, UP table is likely to have more sectors of agriculture than All India I-O table.

Besides, all India I-O table provides information in additional rows, that is, after 130 rows of the table, about gross value added and value added per unit of output and imports. It contains no information about land, labor and capital services used in production. So, U.P. table will also have one row each for sum of values of (i) land services, (ii) human labor services, and (iii) capital/machine, building, equipment, tools etc. These decisions having been made and appropriate data tables having been created, first step was to aggregate each of the 13 columns to determine total values of each input and output of each crop separately. Second step classified inputs used in production in appropriate production sectors of these inputs. Third step was to enter the values of inputs and crop wise data in the table to yield the transaction matrix of these 13 crops depending upon the number of sectors supplying inputs for production of crop outputs, number of cells having non-zero entries differ between the crops. Such sectors as have non-zero entries against them are mainly seeds, fertilizers, water supply, animal services, etc.

Horticulture Crops

The data of Horticulture output is provided from DES, Uttar Pradesh for 5 crops. Further, input data for Horticulture has been collected from Udhyan Bhawan, Lucknow. However, the data of inputs of 5 horticulture crops has been received from Udhyan Bhawan in the unit as input per 10000 plants. For computation of IOTT this information is converted to input per hectare. It is done by adjusting number of plants with the total plant in per hectare.

Manufacturing Sector

For manufacture sector data is collected from UPDES, Lucknow for detailed input and output of different sectors based on NIC classification at two digit level provided in ASI data ranging from code 10 to code 35. For some sectors like sugar, khandsari, Tractor, Aircraft, Paints, Watches, and cotton data has been extracted from five digit level NIC. These information on detailed input and output of different manufacturing sector has been used to construct table. The process is discussed as below.

The data on different manufacturing sectors comprises of 8100 rows which were based on clustering of more 70000 rows. In the first couple of rounds, transaction matrix of 39 user sectors was prepared. But very brief description of items produced by certain ASI sectors such as Inorganic chemicals; organic chemicals; Iron & Steel alloys; Iron & Steel foundries ;

Iron & Steel casting etc was supposed to have resulted in incorrect identification of some of their products of other sectors.

As against this, ASI sectors like Other Chemicals and Other non-electrical machinery, other non-metallic products etc were detailed but these could still be loaded with items which may not belong to these. These thoughts made us look deeper into the classification of certain items, 39 user sectors and their suppliers. So an exercise of re-examining the same was undertaken. Dictionaries and internet were consulted for clarification. We also looked into the detailed handout of CSO relating to ASI in order to have clarity and accuracy, in the process of classification of items into production sectors.

This exercise led to removal of 90 goods earlier classified as products of sector 86 (Other Chemicals), while 30 other goods earlier classified as products of different sectors were added to these sectors. Most of these 90 items have now been classified as products of Organic and Inorganic chemicals and a few other production sectors. This exercise has helped us in accurate classification of goods in the 114 x 66 transaction table.

This table represents about Rs 2.73 Lac Crores worth of SDP of UP; this represents about 20% of Total SDP of UP; though evaluation of SDP in current and constant prices will furnish different values. This table does not include values of private consumption goods consumed privately and exports, besides imports are also not a part of this table.

The table has been compiled on the basis of following assumptions used identification of certain goods of used as inputs or which represent outputs of particular sectors.

- The item special purpose machine has not been found as a product or by-product of any ASI sector and it is not specified in explanatory notes of ASI table. As non-electrical machinery includes a large number of machines and equipment; both of general and special purposes this has been classified as a product- other non-electrical machines.
- Similar is the case of general purpose machine, this could have been put either as the sector- other non-electrical machines or machine tools; as machine tools include many general purpose machine and is included in sector 99.
- There is an item mentioned only as furniture that is not specified whether it is made of plastic or wood or steel. It is assumed that this is wood furniture because despite

increasing popularity of plastic and steel furniture, wood furniture is most in common use.

- One item is mentioned as Manufacture of Gas. There is ambiguity of description of this item also as we have natural gas as a product of mining , LPG as a product of petroleum and its products and CNG is not classified anywhere in ASI sectors. As LPG is in most common use, this is also assumed to be LPG, which is product of Sector 76- Petroleum products.
- The good described as Manufacture of Irradiation, electro-medical and electrotherapeutic equipment is not mentioned as a specific product of any ASI sector, but there is a sector –Medical, precision & Optical Instruments that is the producer of medical instruments of all types which is shown as the product of Sector 115. This sector also produces Optical goods of all types, which was earlier, included as a product of Drugs and medicines – Sector 83; so the current table has included all optical items as products of sector 115.
- Measurement of measuring, testing, navigation and control equipment; watches and clocks is not included as product or by-product of any ASI sector; this apparently appears as part of Machine tools- Sector 99
- There is no ASI sector which shows Military fighting vehicles, it has been identified as sector of Other non-electrical machinery i.e. Sector 100, which includes production of Arms and ammunition as Gun mounted jeeps, Tankers etc constitute the military arms and these have been included in Sector 100.
- Manufacture item other fabricated metal products are shows as output of Iron & Steel foundries as this sector includes production of Iron steel Structurals, Pipes, Plates, Wire drawings ,tools etc i.e. Sector 92.
- The items described as Pharmaceuticals, medicinal chemical and botanical products are included as the products of Sector 86 as Other Chemicals, which includes products derived from Vegetable, animal fats dyes, chemical medicines etc. The description seems to be in favour of Pharma products and against in favour of Botanical and medicinal products.
- The item described as Structural metal products, tanks and reservoirs have been classified in sector 108 Ships and Boats erroneously, it will be transferred to Sector 101 in final table.
- Product Wiring & Wiring Devices has been classified as Sector 100- Other nonelectrical machinery.

- As Spinning Textiles is not mentioned whether it is that of cotton or silk, this has been identified as a product of Sector 67 which is an agglomeration of production of textiles, not elsewhere classified.

The above assumptions have been forced by incomplete or ambiguous description of goods included in 8100 rows. We have not included a few rows that included Consumables Stores and some ambiguous items that refer to being part of another sub-item within ASI classification. These will be included in the final table. Errors and omissions in all probability would be taken care of in the final version.

Services Sector

In the IOTT, 11 sectors in services sectors is considered that are trade; hotel & restaurants; Banking, Education and Research; Medical and Health; Business services; computer and related activities; real estate activities; community, social and personal services; Other services and public administration. The source of data for these activities is directorate of economics and statistics that provides data for output of these sectors. Since input of these sectors can be ascertained it has been decided to use all India input coefficient for these sector from all India IOTT 2007-08 The detailed methodology of computing input of services sector is elaborated in appendix II.

Private Consumption Expenditure

In the construction of Input Output Transaction Table (IOTT) for Uttar Pradesh it was attempted to compute the private final consumption expenditure which is a component of final demand. This was taken from the NSSO consumption Survey of 2011-12 for disaggregated commodities. In the first step, item wise expenditure incurred by sampled household has been taken from the NSSO Survey. The total number of commodities reported for UP is 659. An important property of data is that total expenditure on consumption of commodities varies between commodities and households. Therefore, the total number of consumers of each good differs between the families. Both these traits are taken into consideration in data massaging. Expenditure on each item incurred by consuming sampled families has been summed up to determine total consumption expenditure on every item separately for all sampled families, who are actual consumers of reported goods. Total expenditure on commodities by all families is multiplied by 12 to determine annual expenditure on the basis of monthly commodity wise expenditure reported in the data. Total

annual expenditure on a good by all-consuming families is divided by the sum total of total consumers of the good in all sampled consuming families of this good. This determines per capita item wise annual expenditure in the sample. Total size of the sample for U.P. is 9243 households/families. Average family size in the sample is 5.58. Thus, the sample comprises $9243 \times 5.58 = 51575. = 51576$. Number of consumers of each commodity is divided by the total sample size that is, 41576. This gives proportionate share of item wise consumers in the sample. The multiplication of total population of UP by above commodity wise proportions of consumers in the state furnishes total number of consumers of each good in U.P.'s population. Numbers of consumers in the population of state is multiplied by per capita sample consumption expenditure on each good. This yields us 659×1 consumption vector for UP. This vector has to be compressed into 130×1 vector for to determine private consumption expenditure in the state for I-O transaction table in purchaser's prices.

Export-Import The export data on four digit HS code level has been procured from Uttar Pradesh Export Promotion Council, Lucknow that consists of 1007 rows. First, each of these commodity groups has been identified with appropriate production industry. Subsequently, these industries have been clubbed into identified 90 sectors of CSO table.

This data is commodity wise for imports 167 sectors. Each commodity of import has been first identified with an Industry producing a same or similar good in UP. Subsequently, commodities have been grouped into unified industries, which have been classified in 78 sectors of CSO table.

CHAPTER 3

INPUT OUTPUT TABLE: FEATURES AND ANALYSIS

Input-Output Transaction Table (IOTT) for the state of Uttar Pradesh has been prepared for the reference period 2016-17. As mentioned earlier the first IOTT for the state was prepared only for 64 sectors with the reference year 1970-71. However, the latest IOTT for the reference year 2016-17, has total of 107 sectors for the economy of the state. An attempt has also been made to further extend this table to 144x144 sectors in certain aspects. The salient features of the Input Output table of Uttar Pradesh, 2016-17 with analysis are discussed in this chapter.

SALIENT FEATURES:

To understand the features of the IOTT, it would be instructive to outline the assumptions and procedures that have been followed in the preparation of the table

ASSUMPTIONS & PROCEDURES:

Gaps, limitations and expanse of Data differ across sectors and parameters. Intermediate Inputs, Total Final Demand, Total Output and Total Supply are the main parameters of Input output table. Each of the above variables has its own components that are elaborated here:

Intermediate inputs – In case of a totally closed economy, total output and total supply don't differ from each other. But in an open economy, output may exceed or fall short of total supply, depending on balance of trade. In case of negative balance of trade, supply shall exceed output, while in case of positive balance of trade; output will exceed supply, since exports will be larger than imports. This is further complicated in a doubly open economy like the economy of Uttar Pradesh. It has trade with rest of India as well as rest of the world. So both the exports and imports of the state are of two types; Exports/Imports to/from other states of India and other countries. We however, do not have any data relating to imports either from other states or countries; we also do not have data relating to rest of India but we have data of exports to other countries from UP.

In view of the above, a decomposable 144x144 Transaction matrix has been prepared. Of these 144 sectors UP does not have production facilities (may be data gap for most of these sectors) of 37 commodities/sectors, while 107 have production operations located in the state. Naturally, their output is put to multiple uses, while some inputs used in production of these sectors are imported from other states. For simplicity it may be assumed that foreign imports are used only for satisfying final demand while imports from other states are used only for meeting intermediate demand. The imposition of these strong assumptions is necessitated by data limitations and absence of adequate information in some cases.

It is further assumed that 37 production sectors only supply 107 sectors of UP, while 107 sectors of UP do not supply any inputs used in production processes in other states. Above are simplifying assumptions that are embodied in the limitations, expanse of data.

Accounting Approach based on Residuals

The transaction matrix has been compiled column/sector wise. It has led to identification of certain inputs as outputs of 37 Indian sectors not located in UP. The sector wise distribution of inputs within the columns represents backward linkages. The entries in column cells have their counterparts as row cells. Whereas sum total of a column furnishes an estimate of intermediate inputs used in the production processes of the sector. This represents backward linkage/dependence of a given sector on the rest of the economy. This constitutes the base of the estimation of Gross Value added in a sector.

As against this, total intermediate inputs in a row furnish estimates of the supply of the intermediate inputs by a sector to the other sectors of the economy of UP. This represents the dependence of a particular production sector. Part of this total maybe accounted by supplies from 37 sectors located outside UP, just as a column total of intermediate inputs maybe accounted by inputs imported from other states. The row sum of Intermediate inputs constitutes the base of determination of final demand as a residual of output/total supply. This approach has been used to estimate the final demand.

Disaggregation of aggregate sectoral final demand

Aggregate final demand of a sector comprises the following;

Public consumption + Private Consumption + Investment + Exports (+/- Imports)

The minus or plus sign attached to imports depends on the nature of the residual as due to lack of data imports are treated as residuals.

PUBLIC CONSUMPTION

No useable data were available sector wise public consumption expenditure, though aggregate public expenditure was available. In view of this, it is assumed that public consumption expenditure has in UP, a pattern sector wise similar to the pattern of Indian public expenditure. The assumption is justified partly by the fact that each state has numerous public functionaries in the direct employment of central government, while, a part of the public functionaries are state government employees. The wages and salaries of public functionaries are generally governed by recommendations of the Finance Commissions; the government of UP is no exception to this. The pay packages and hierarchical status of functionaries are generally governed by norms, recommendations of the Pay Commissions, therefore, the above assumption.

In the first instance, the proportion of Public consumption expenditure in total public expenditure of central govt. is used to generate the estimate of total public consumption expenditure of UP. This figure has then been distributed among different sectors in accordance with their proportionate share in the Indian I-O table.

Private Consumption

We got private consumption data for UP for year 2011-2 from NSSO. This expenditure was classified in 84 sectors. These proportionate shares are used in the distributing the total private consumption estimated for 2016-7 in UP; however the total private expenditure of UP is estimated as a share of total GSDP as a proportion of the share in Indian table. This figure has been distributed among different sectors as stated above.

Total Investment

So far as total investment is concerned we have not received its distribution between public/private. So total investment has been estimated and distributed among different sectors. Total investment has been estimated as a proportion of GSDP of UP in 2016-7 but its sectoral distribution is guided and governed by 107 sectors in the Indian table.

Exports

As stated earlier, data of exports had been accessed and re-classified into 87 sectors of UP table.

Aggregate demand of each sector has been used a control factor; proportions of public/private consumption, investment and exports in output is used to ensure consistency in the figures.

TESTS OF REPRESENTATIVENESS & CONSISTENCY

Representativeness of I-O table is an important feature of input-output modeling, since the table is the miniaturized replica of the economy, the table represents the (i) system of production; (ii) structure of production in the economy, that is economic structure, (iii) embodies technology of production, and (iv) captures degree and direction of inter-dependence among the sectors, (v) table/matrix has to satisfy the twin conditions of (a) technological feasibility of production and economic viability in terms of inter-relations between costs and prices, and (vi) over and above the these conditions, the condition of consistency is also warranted since I-O model is a general equilibrium model.

The (a) existence of the solution, (b) uniqueness of the solution, and (c) stability of solution revolves around above features of I-O table.

The 144x144/ (107x107) transactions matrices have been used to prepare following tables of aggregate figures and their proportions/percentages in total output and total supplies. The tables contain values of the following core parameters/variables of input output model:

1. Aggregate values of Intermediate inputs supplied by and used in production sectors (row totals)- which capture the forward linkages.
2. Aggregate Final Demand of all sectors- which is excess of output over aggregate intermediate demand.
3. Aggregate Gross Output of production sectors contained in I-O table- It comprises total intermediate inputs (row sums) and aggregate final demand. It may, however, be noted that aggregate intermediate inputs also includes goods imported from other states and aggregate final demand may also include a small proportion of goods imported from other states which are used for consumption and/or investment. Consequently, gross value of aggregate output reported in I-O table may differ from the estimated GSDP of U.P. for the year 2016-17;
3. AggregateSupply which represents sums of aggregate intermediate demand and imports net of exports. However, no data relating to imports is available; therefore, growth accounting

residual factor approach is used to generate estimates of sector-wise imports. (For details See, Dennison, E.F., 1969, Kendrick, 1967, Abramovitz, 1965, Prakash, Shri, 1976, 1977, Sharma, Amit, 2013). Consequently, imports are the residuals derived from the following identity:

$$IMPORTS = SUPPLY - OUTPUT NET OF EXPORTS.$$

TEST OF REPRESENTATIVE CHARACTER OF I-O TABLE

The value of gross output of 107 sectors, entailed in the I-O table of U.P. is Rs 16,349,424,425,145/ crore. The aggregate of gross output of 107 production sectors entailed in the I-O table is found to be different from the GSDP of U.P. for the corresponding year. Excess of gross output over estimated GSDP of the economy of U.P. may be imputed to the inter-state imports into U.P. for meeting technical requirements of intermediate demand and final demand. Imported intermediate inputs used up in production sectors are known to be worth Rs 80,000/ crore. Though value of inter-state imports absorbed by consumption and investment is not precisely known, it may not be unreasonable to assume their magnitude to be in the range of Rs, 100,000/ crore. The part of the gap between GSDP and Gross Output of I-O table may also be explained by the errors of estimation, approximation and rounding off and exclusion of certain sectors for want of relevant data. It would, therefore, be reasonable to infer that the I-O table is representative of the entire production system of the economy of the state of Uttar Pradesh.

TEST OF CONSISTENCY

Mutual compatibility of broad magnitudes of the core parameters/variables has been tested to evaluate the internal consistency of estimates of Intermediate Demand, Final Demand with Gross Output and Supply at broad aggregate level.

Values reported in table 3.11 show that (1) 41% of output is accounted by intermediate demand; (2) final demand accounts for 60% of gross output, and (3) sum of intermediate and final demand accounts for gross output which amounts to 1% error; in view of 107x107 transaction matrix comprising 11449 cell values along with estimates of values of public consumption, private consumption, investment and exports shown in 428 cells, 1% error of estimation may be treated as negligible. But the sum of intermediate and final demand

accounts for 86% of total supply which is attributable to residual values of global imports. Thus, the detected discrepancies at aggregate level are well within the limits of tolerance. Therefore, the I-O table may be treated as the proper representation of economic structure of Uttar Pradesh.

CONSISTENCY AT DISAGGREGATED LEVEL

When the consistency of the table at dis-aggregated level of final demand is considered; final demand is dis-aggregated into its consumption, investment and exports components; total /aggregate final demand, gross output and supply are now the variables of concern.

Table 3.2 shows that (i) sum of private and public consumption, investment and exports account for 42%, 13% and 5% of gross output respectively. Thus, the sum of three individual components of final demand exactly equals 60% of gross output which is in perfect consonance with the share of final demand in output at aggregate level.

DERIVATION OF IMPORTS

The table 3.3 incorporates share of imports from the rest of the world in output and supply of total goods and services in the state of Uttar Pradesh. The table furnishes the following interesting inferences: (i) Global imports into U.P. are far in excess to its exports to the world. Whereas only 5% of gross output is exported, global imports account for 17% of aggregate gross output. Thus, U.P. like India has adverse balance of trade with the rest of the world; (ii) Imports account for 15% of total supplies of goods and services in U.P.; and (ii) Change in stocks explain 1.1% of gross output and 0.96% of supply.

The above discussion highlights that (i) I-O table is representative of the economy of U.P. and it is expected to have replicated the structure of the economy it represents; (ii) Core variables of I-O model have been found to satisfy the criteria of consistency both at highly aggregative and dis-aggregative levels.

As discussed above in the IOTT, the economy of Uttar Pradesh is targeted to be classified into 144 sectors and it is larger than the I-O tables of India which comprises 130 sectors. So it is to be understood that the state IOTT is not strictly comparable with the all India table. Against the targeted 144 sectors in the IOTT, it may broadly be classified into two groups as per the production facilities in the state.

- I. The 107 sectors that have production facilities located in the state of Uttar Pradesh.
- II. Remaining 37 sectors do not have any production facilities in the state of Uttar Pradesh (*as per the data available*) though some sectors of U.P. table draw supplies of intermediate inputs from these sectors located in rest of India.

So, output of these 37 sectors of has not been considered a part of state's domestic output, though a part of output of these sectors is used in production process of some sectors of state economy. The quantum of such inputs used in production constitutes a part of supply of goods and services in U.P. This may, therefore, be treated as part of inter-state trade of U.P. which is different from global import and export trade of U.P.

Detailed explanation of some important features of input output table is furnished here.

Total supply of goods and services of 107 sectors of U.P I-O table comprises total domestic output of U.P. plus inter-state trade. The total supply of goods and services of 107 Sectors of U.P. I-O table is Rs.16,11,573.50 crores. Total supply of goods and commodities/services comprises domestic GSDP and intermediate inputs imported in U.P. from other states of India. This measures the degree of dependence of U.P. economy on imports from other states of India. Imported inputs represent backward linkages of productive activities of U.P., though the degree of dependence varies between sectors of U. P. economy.

The broad sectoral composition of input output table of UP for 2016-17 includes: agriculture; forestry and fishing; animal husbandry & dairy farming; mining; manufacturing; energy & power; and services. Each sector comprises of many sectors listed here.

Firstly, the group of agriculture crops comprised of following 28 crops. It includes bajra, gram, groundnut, jowar, maize, paddy, sugarcane, tobacco, vegetables, wheat, arhar, barley, cotton, gooseberry, guava, lentils, litchi, mango, other crops, other fruits, other oilseeds, other pulses, papaya, potato, rapeseed & mustard, sesamum, urad and other non-food crops. In the total 28 agriculture crops, 12 are food grain crops, 6 are fruit crops, 2 are vegetable crops, 4 crops are those of oilseeds and 4 are other non-food commercial crops. Secondly, forestry & logging and fishing, comprise of two sectors. Third, animal husbandry contains two sectors: livestock & dairy farming. Fourth, mining & quarrying group comprises 3 sectors: limestone, other non-metallic minerals and natural Gas. Fifth, manufacturing group comprises 58 sectors, while energy group has 3 sectors and services group comprise 11 sectors.

Table 3.1: Broad View of IO Table

| Sectors | Share of Output (%) | Input in Total Output (%) | GVA of Total Output (%) | Intermediate Inputs* (Rs Crore) | Total Output (Rs Crore) | GVA (Rs crore) |
|--------------------|---------------------|---------------------------|-------------------------|---------------------------------|-------------------------|----------------|
| Agriculture | 11.23 | 2.65 | 97.35 | 4801.45 | 181027.82 | 176226.37 |
| Animal Husbandry | 7.53 | 50.92 | 49.08 | 61778.88 | 121333.29 | 59554.41 |
| Energy | 1.71 | 63.38 | 36.62 | 17440.02 | 27518.60 | 10078.59 |
| Fishing & Forestry | 1.31 | 19.25 | 80.75 | 4060.30 | 21089.56 | 17029.26 |
| Manufacturing | 35.24 | 68.36 | 31.64 | 388288.69 | 567996.24 | 179707.55 |
| Mining | 0.13 | 17.27 | 82.73 | 369.05 | 2136.44 | 1767.39 |
| Services | 42.84 | 28.45 | 71.55 | 196433.26 | 690471.56 | 494038.30 |
| Grand Total | 100.00 | 41.77 | 58.23 | 673171.64 | 1611573.50 | 938401.86 |

Thus in the IOTT of the state, manufacturing sector has higher number of sectors followed by agriculture and services. In the IOTT, manufacturing sector accounts for 54.21% of total sectors followed by agriculture which has 26.17% and services account for the third largest share in production activities, its share being 10.28% in total sectors. Remaining 10 sectors of other groups of mining & quarrying, live-stock, dairy farming, forestry & fishing, energy and power, taken together account for 9.35% of total sectors of I-O table of U.P.

The detailed I-O table for 2016-17 is given in Appendix matrix. Here the broad characteristics of the table are shown in Table 3.2, 3.3 and 3.4 that shows the aggregate component of the table and the disaggregate decomposition of final demand. It is clear from the Table 3.1 that supply of total Inputs is around 41% of total output thus value addition in the economy comes around 59%. Since total output is sum of total input and final demand that represent the value added in the economy.

Table 3.2: Aggregate Components of IO Table

| | Values (Rs) | Proportion of Output (%) | Proportion of Supply (%) |
|------------------------|----------------|--------------------------|--------------------------|
| Supply of Total Inputs | 6731716409062 | 41.2 | 35.3 |
| Total Final Demand | 9719466851765 | 59.5 | 51.0 |
| Total Output | 16346740159029 | 100.0 | 85.7 |
| Total Supply | 19063297409829 | 116.6 | 100 |

As mentioned in methodology chapter the aggregate final demand in the matrix comprised the following:

$$Public\ consumption + Private\ Consumption + Investment + Exports (+/- Imports)$$

The minus or plus sign attached to imports depends on the nature of the residual as due to lack of data imports are treated as residuals. The decomposition of final demand in different component is shown in Table 3.2 below. Calculated as proportion of total output the percentage proportion of consumption, investment and export is found to be 41.8 %, 12.6 % and 5.1 % respectively. Further in Table 3.3 below the proportion share of imports is also given which is around 17.3 % of total output and 14.8 % of total supply.

Table 3.3: Disaggregated Component of Final Demand

| | Values (Rs) | Proportion of Output (%) | Proportion of Supply (%) |
|------------------------|----------------|--------------------------|--------------------------|
| Supply of Total Inputs | 6731716409062 | 41.2 | 35.3 |
| Total Consumption | 6825896069931 | 41.8 | 35.8 |
| Investment | 2054293420723 | 12.6 | 10.8 |
| Export | 839277361111 | 5.1 | 4.4 |
| Total Final Demand | 9719466851765 | 59.5 | 51.0 |
| CIS | 184150686582 | 1.1 | 1.0 |
| Total Ouput | 16346740159029 | 100.0 | 85.7 |
| Total Supply | 19063297409829 | 116.6 | 100.0 |

Table 3.4: Disaggregated Component of Final Demand with Import

| | Values (Rs) | Proportion of Output (%) | Proportion of Supply (%) |
|------------------------|----------------|--------------------------|--------------------------|
| Supply of Total Inputs | 6731716409062 | 41.2 | 35.3 |
| Total Consumption | 6825896069931 | 41.8 | 35.8 |
| Investment | 2054293420723 | 12.6 | 10.8 |
| Export | 839277361111 | 5.1 | 4.4 |
| Total Final Demand | 9719466851765 | 59.5 | 51.0 |
| Imports | 2822852516216 | 17.3 | 14.8 |
| CIS | 184150686582 | 1.1 | 1.0 |
| Total Ouput | 16346740159029 | 100.0 | 85.7 |
| Total Supply | 19063297409829 | 116.6 | 100.0 |

INTERMEDIATE INPUTS, OUTPUT & VALUE ADDED

As mentioned earlier the use matrix shows the distribution of supply of goods of sectors into intermediate inputs by other sectors of the economy and final output. Table 3.4 here reports three basic components of input-output table: Intermediate inputs, gross value of output and value added of broad sectors of the economy.

Table 3.4: Broad Sector wise Intermediate Inputs, Output and GVA (Rs Crore)

| Sectors | Intermediate Inputs* | Total Output | GVA |
|--------------------|----------------------|--------------|-----------|
| Agriculture | 4801.45 | 181027.82 | 176226.37 |
| Animal Husbandry | 61778.88 | 121333.29 | 59554.41 |
| Energy | 17440.02 | 27518.60 | 10078.59 |
| Fishing & Forestry | 4060.30 | 21089.56 | 17029.26 |
| Manufacturing | 388288.69 | 567996.24 | 179707.55 |
| Mining | 369.05 | 2136.44 | 1767.39 |
| Services | 196433.26 | 690471.56 | 494038.30 |
| Grand Total | 673171.64 | 1611573.50 | 938401.86 |

*Rs 1,65,000cr are imported from other states.

The table shows that the manufacturing and services are the major contributors to gross value of output and gross value added although the contribution of the services is much higher than manufacturing in GVA. Consequently, manufacturing also absorbs the greatest amount of intermediate inputs/working capital. Magnitudes of both these variables are mainly explained by the large number of sectors that are included in the manufacturing. But the basic structure of output may better be gauged from the proportionate shares of different sectors in total output/GVO, GVA and intermediate inputs. This is shown in Table 3.2 reported here under.

In the state, the agriculture sectors are the least working capital/inputs intensive as these sectors generate 97 percent of value addition. This may stand in contrast to Punjab agriculture, which is relatively more capital intensive. This facet of agriculture of U.P. may also be a reflection of domination of small size operational holdings in the state. Low

magnitudes and spread of backward linkages of agriculture in U.P. constrains the growth effect of agriculture on the economy of U.P.

Table 3.5: Percentage shares of GVA and Intermediate Input

| Sectors | Inputs Share (%) | GVA share (%) |
|--------------------|------------------|---------------|
| Agriculture | 3 | 97 |
| Animal Husbandry | 51 | 49 |
| Energy | 63 | 37 |
| Fishing & Forestry | 19 | 81 |
| Manufacturing | 68 | 32 |
| Mining | 17 | 83 |
| Services | 28 | 72 |
| Grand Total | 42 | 58 |

Mining, forestry & fishing and services follow agriculture in the generation of income/GVA as these sectors have their GVA accounts for 83%, 81% and 72% of their GVO. We have animal husbandry & dairy farming, energy & power and manufacturing sectors, at the other end of the spectrum, GVA of which constitutes 49%, 37% and 32% of their GVO respectively. On the whole, GVA accounts for 58% of total output of the economy of Uttar Pradesh. Thus, the manufacturing emerges as the most working capital/inputs intensive sectors while agriculture emerges as the least working capital/inputs intensive sectors of the economy.

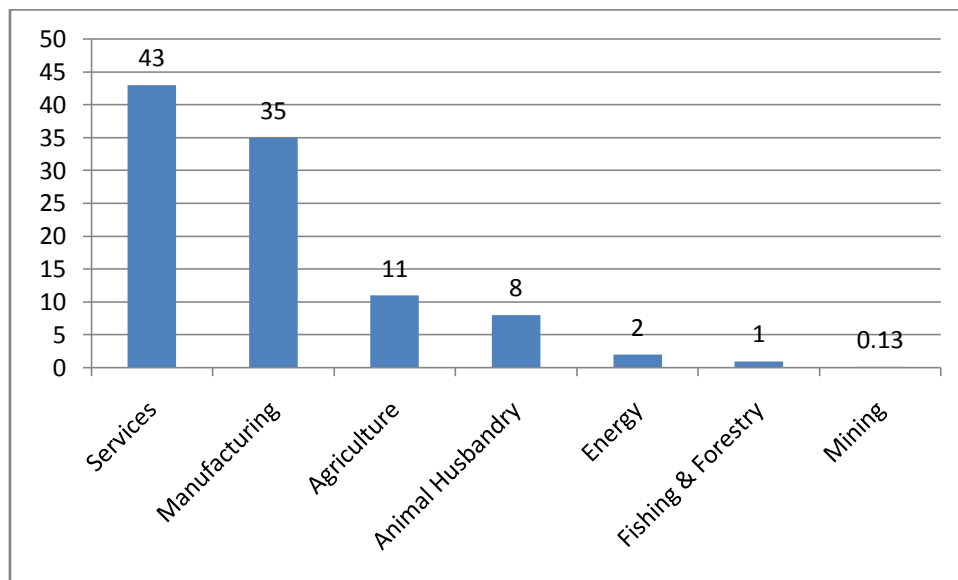
Above figures may also be looked at from another angle. Agriculture sectors are the most efficient in the use of working capital invested in these sectors which leads to much greater returns on investment in physical and human capital since GVA comprises wages and interest payments to workers and investors. As against this, manufacturing is least efficient in the utilization of invested working capital which results in lowly 32% GVA in GVO.

However, modern growth is technology centric which is highly capital intensive and it requires more and better educated manpower/human capital than what is currently available in U.P.

PROPRTIONATE SHARRES OF DIFFERENT SECTORS IN GVO

The structural transformation of GSDP is reflected in the shifting share of different sectors of the economy. The input-output table shows the contribution of different sectors in total GVO of the economy. The following figure 3.1 reports relative shares of 7 broad sectors in GVO of U.P. in 2016-17.

Figure 3.1: Percentage Share of Different Sectors in GVO



If we all three primary sectors comprising agriculture, animal husbandry & dairying and forestry & logging and fishing are taken together, these account 20% or one fifth of total output of produced in U.P. in 2016-17, while manufacturing and services account for 35% and 43% of GVO of the state. This highlights the fact that the economy of U.P., like the Indian economy, is dominated by tertiary sectors. This highlights the urgent need for accelerating the growth of agriculture and manufacturing so as to raise the commodity base of production/output. Digitilisation and diversification of industry Mix of the economy of the state of U.P. offers opportunities for this.

CHAPTER 4

CONCLUDING OBSERVATION

As an economy expands, the need to examine its economic structure in detail arises and for this statistical techniques and tools are used to better present the structural transformation. Among various statistical tools, the input-output (I-O) table that describes all the transactions between the industries of an economy is very useful to capture the changes in the economic structure that occurs in the rapidly growing economy like India and for that matter Uttar Pradesh which holds around one-sixth of total population of India and contributes significantly in the nation's economy both in demand and supply of goods and services. The size of U.P's economy is about 17 trillion rupees and its share in India's GDP is more than 8%. Apart from growth performance of an economy, it is also important to look at the structural changes taking place in the economy over time. The economy of Uttar Pradesh faces huge development challenges but the opportunities and the potential for accelerated development of the economy are also vast and unlimited. If U.P. is to translate the mantra of, "Sabka Saath, Sabka Vikas and Sabka Vishwas" into a reality and achieve sustainable development with the attendant SDGs, the state has to perform very well in general and in the economic sphere in particular. It is in this background that the present work of constructing an Input-Output Table for U.P. has been taken up

To recapitulate, Input output modelling of an economy is a powerful technique to describe in detail the structure of an economy and the inter-sectoral transactions. The first task of input-output analysis is to prepare an I-O table that gives systematic description of the interdependence of different sectors of the economy by way of a two-way table consisting of rows and columns. The rows of the table give the distribution of the output of a sector in the form of flow of goods and services from a sector to all other sectors of the economy, while the columns give the input structure of a sector. I-O tables give the inter-industry transactions in value terms in the form of commodity cross industry matrix where the columns represent the industries and rows as groups of commodities, which are principal products of the corresponding industries. Each row of the matrix shows in the relevant columns, the

deliveries of the total output of the commodities to the different industries for immediate consumption and final use. The final use vector consists of private consumption, government consumption, investment, net exports and changes in stocks.

In preparing an I-O table a great mass of data has to be collected from diverse sources and integrated and made compatible to the requirement of an I-O table. The challenges at the state level in this context are more demanding. Still we have attempted to construct an I-O table that comes as closely as possible to an ideal I-O table. The background, methodology, data sources and the main features of the I-O table has already been described in earlier chapters. The Table has several components and can be looked and analyzed separately and also present an integrated picture of inter-industrial transactions in the state economy.

Broadly put, the table has three main components, namely, Agriculture and allied activities, Industrial sector and Services. The table has brought out the input structure of these sectors and the sub sectors of these broad categories. It is revealed that there are many linkages among sectors and the sub sectors. These linkages are from demand and supply routes. An industry supplies goods and services to other industries which use them as inputs to produce a variety of goods and services. If an industry has high demand for inputs from other industries it is then said to have high backward linkages. Similarly, an industry supplying goods to many other industries would have high forward linkages. These linkages are revealed by the inter-industrial demand/consumption. This can be gauged from the inter-industrial consumption component of the table. These forward and backward linkages would help in identifying the key sectors of the economy in terms of their linkages.

The other major component of the I-O table is the Final demand/consumption sub-divided into categories- private consumption, public consumption/expenditure, investment, exports, imports and change in stocks. Admittedly, this component posed several challenges due to paucity of data and there is scope for further detailing of this component.

Another feature of I-O table is the attempt to look at the links between the Gross State Domestic Product (GSDP) and transaction matrix. Data from state income accounts have been used extensively to build up the I-O table.

This work should be considered as a basis for further studies in this field. This basic I-O table may be used to derive input-output coefficient matrix. This matrix will be an aid to understand the nature of technology being used by various industries/sectors. Capital and

labour intensities of various industries may be determined and industries classified according to their use of capital and labour. This may help planning for employment generation in the economy. Further, imports into the economy throw light on the import intensity of different sectors of the economy. This information may be used to plan for indigenization of production within the state.

The technological structure of the state economy is undergoing many changes which are brought out by the I-O table of U.P. The I-O table has brought out the degree of interdependence among sector specially within the industrial sectors. This sector comprises fifty eight sub- sectors which gives an insight into the manufacturing activities in the state economy and their relative importance. Both in terms of number of sectors and the share in GVA and total Output this sector dominates other sectors of the state economy.

Agriculture and allied sectors which traditionally have played a major role in the state's economy have also been analysed extensively in this I-O table. This broad sector has been divided into twenty eight agriculture crops, livestock and dairying, forestry & logging and fishing. Within crop sector food grains dominates with twelve activities. The I-O table reinforces the view that to strengthen this sector there is need to give boost to horticulture, livestock and dairy sectors. There is considerable scope for these sectors to expand. This would spur development in the rural sector of the economy.

Services also have an important role in the economy in terms of their share in the GVA and Total output. The I-O table presents a disaggregated view of the services that have been divided into eleven sub sectors

Final demand vector of the I-O table may also be useful in planning for investment in different industries. This component also brings out the dominant nature of the private consumption in the final demand.

It is thus clear that this IOTT can be useful in the planning process in several ways. Some of the important ways this can be accomplished can be outlined here. Firstly, with the help of IOTT interdependence among and structure of the sectors can be understood better in a comprehensive manner by computing the backward and forward linkages. This would help in identifying the leading sectors of the economy. Secondly, Technology matrix of the economy can be worked out which would help in knowing the resource efficiency of various sectors. Thirdly, given the vector of final demand, consistent levels of output in different sectors can

be worked out. Fourthly income and employment multipliers for various sectors can also be computed. Fifthly, the demand for different primary inputs, corresponding to a particular set of final demand, can be estimated with the help on input-output analysis. Sixthly, IOTT of the state can be compared with the IOTT of India or other states to know the technological level and the structural transformation of the economy.

It is expected that this study may be quite useful in policy planning specially for development. There may be subsequent studies related to I-O analysis and this IOTT may serve as the basis of analysis. Despite some limitations which are mainly due to data constraints the IOTT has filled a gap in our information about the structure of state economy. The IOTT may be updated and expanded in subsequent years.

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

| | | Rs. | | | | | |
|-----------------|-------------------------|------------|----------|----------|----------|----------|----------|
| Sr. Code | Sector/ Industry | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Paddy | 1679 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 2588 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 35284 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 76 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 118 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 196 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sector/ Industry | 1 | 2 | 3 | 4 | 5 | 6 |
|-----------------|--|----------|----------|----------|----------|----------|----------|
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | Forestry and logging | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | Petroleum products | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | Electricity | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | Natural gas | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | Cotton textiles | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | Readymade garments | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | Miscellaneous textile products | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | Furniture and fixtures-wooden | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sector/ Industry | 1 | 2 | 3 | 4 | 5 | 6 |
|-----------------|-----------------------------------|----------|----------|----------|----------|----------|----------|
| 50 | Wood and wood products | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | Paper, paper prods. & newsprint | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | Printing and publishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | Rubber products | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | Plastic products | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | Coal tar products | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | Inorganic heavy chemicals | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | Fertilizers | 1892 | 3076 | 7 | 63 | 78 | 15 |
| 60 | Paints, varnishes and lacquers | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | Drugs and medicines | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | Synthetic fibers, resin | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | Other chemicals | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | Other non-metallic mineral prods. | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | Iron, steel and ferro alloys | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | Iron and steel foundries | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | Non-ferrous basic metals | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | Tractors and agri. implements | 1870 | 4760 | 10 | 270 | 144 | 105 |
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | Electrical industrial Machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | Electrical appliances | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sector/ Industry | 1 | 2 | 3 | 4 | 5 | 6 |
|-----------------|-------------------------------------|----------|----------|----------|----------|----------|----------|
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | Electronic equipments(incl.TV) | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instru.s | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | Construction | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 1521 | 3225 | 3 | 29 | 47 | 19 |
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 0 | 0 |
| 92 | Land tpt including via pipeline | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | Air transport | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | Trade | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sector/ Industry | 1 | 2 | 3 | 4 | 5 | 6 |
|-----------------|-----------------------------------|-----------|-----------|----------|----------|----------|----------|
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | O.com, social & personal services | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total Inputs | 6962 | 13649 | 35305 | 438 | 387 | 335 |
| | GVA(Output - Input) | 265991 | 426229 | 2689 | 23194 | 21554 | 36245 |
| | Total Output | 265998406 | 426242784 | 2724619 | 23194696 | 21554350 | 36244886 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sector/ Industry | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|-------------------------|----------|----------|----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 33 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 1026 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 511474 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 2 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 94 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 107377 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sector/ Industry | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|--|----------|----------|----------|-----------|-----------|-----------|
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | Forestry and logging | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | Petroleum products | 0 | 0 | 96117 | 0 | 0 | 26199 |
| 35 | Electricity | 0 | 0 | 59613 | 0 | 0 | 16249 |
| 36 | Natural gas | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | Cotton textiles | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | Readymade garments | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sector/ Industry | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|-----------------------------------|----------|----------|----------|-----------|-----------|-----------|
| 48 | Miscellaneous textile products | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | Furniture and fixtures-wooden | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | Wood and wood products | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | Paper, paper prods. & newsprint | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | Printing and publishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | Rubber products | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | Plastic products | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | Coal tar products | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | Inorganic heavy chemicals | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | Fertilizers | 24 | 737 | 175623 | 0 | 283 | 47870 |
| 60 | Paints, varnishes and lacquers | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | Drugs and medicines | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | Synthetic fibers, resin | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | Other chemicals | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | Other non-metallic mineral prods. | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | Iron, steel and ferro alloys | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | Iron and steel foundries | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | Non-ferrous basic metals | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | Tractors and agri. implements | 78 | 296 | 45318 | 19 | 519 | 12352 |
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | Electrical industrial Machinery | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sector/ Industry | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|-------------------------------------|----------|----------|----------|-----------|-----------|-----------|
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | Electrical appliances | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | Electronic equipments(incl.TV) | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instru.s | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | Construction | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 39 | 848 | 3659 | 0 | 247 | 280 |
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 0 | 0 |
| 92 | Land tpt including via pipeline | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | Air transport | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sector/ Industry | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------|---------------------------------|----------------|------------------|----------------|----------------|-----------------|----------------|
| 96 | Communication | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | Trade | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 133076 | 0 | 0 | 36273 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | O.com, social&personal services | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total Inputs | 174 | 2908 | 1024880 | 21 | 1142 | 246599 |
| | GVA(Output - Input) | 6944 | 348137 | 3109 | 5335 | 30780 | 880 |
| | Total Output | 6944160 | 348140269 | 4133700 | 5335077 | 30781136 | 1126724 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| S. no. | Sector/ Industry | 13 | 14 | 15 | 16 | 17 | 18 |
|--------|--------------------|-----|----|----|-----|---------|------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 183 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 33 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 78 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 134 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 4302194 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 1038 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| S. no. | Sector/ Industry | 13 | 14 | 15 | 16 | 17 | 18 |
|--------|--|----|----|----|----|---------|----|
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | Forestry and logging | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | Petroleum products | 0 | 0 | 0 | 0 | 1241610 | 0 |
| 35 | Electricity | 0 | 0 | 0 | 0 | 770063 | 0 |
| 36 | Natural gas | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | Cotton textiles | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | Readymade garments | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| S. no. | Sector/ Industry | 13 | 14 | 15 | 16 | 17 | 18 |
|--------|-----------------------------------|-------|----|----|-----|---------|-----|
| 48 | Miscellaneous textile products | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | Furniture and fixtures-wooden | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | Wood and wood products | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | Paper, paper prods. & newsprint | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | Printing and publishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | Rubber products | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | Plastic products | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | Coal tar products | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | Inorganic heavy chemicals | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | Fertilizers | 18504 | 4 | 25 | 6 | 2268638 | 508 |
| 60 | Paints, varnishes and lacquers | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | Drugs and medicines | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | Synthetic fibers, resin | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | Other chemicals | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | Other non-metallic mineral prods. | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | Iron, steel and ferro alloys | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | Iron and steel foundries | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | Non-ferrous basic metals | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | Tractors and agri. implements | 0 | 53 | 71 | 241 | 585398 | 398 |
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | Electrical industrial Machinery | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| S. no. | Sector/ Industry | 13 | 14 | 15 | 16 | 17 | 18 |
|--------|------------------------------------|-------|----|----|------|-------|-------|
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | Electrical appliances | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | Electronic equipments(incl.TV) | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instrus | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | Construction | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 18049 | 6 | 31 | 2967 | 30778 | 17150 |
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 0 | 0 |
| 92 | Land tpt including via pipeline | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | Air transport | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| S. no. | Sector/ Industry | 13 | 14 | 15 | 16 | 17 | 18 |
|--------|----------------------------------|--------|----------|---------|----------|----------|-----------|
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | Trade | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 0 | 0 | 1719025 | 0 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Other Social & personal services | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total Inputs | 36736 | 96 | 206 | 3348 | 10917706 | 19093 |
| | GVA(Output - Input) | 69 | 17324 | 6944 | 15941 | 42480 | 147930 |
| | Total Output | 105678 | 17324073 | 6944160 | 15944686 | 53397641 | 147948891 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 19 | 20 | 21 | 22 | 23 | 24 |
|-----------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 1663580 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 119153 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 4232 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 3925 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 40445 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 19 | 20 | 21 | 22 | 23 | 24 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 123819 |
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | Forestry and logging | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | Petroleum products | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | Electricity | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | Natural gas | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 19 | 20 | 21 | 22 | 23 | 24 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 46 | Cotton textiles | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | Readymade garments | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | Miscellaneous textile products | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | Furniture and fixtures-wooden | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | Wood and wood products | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | Paper, paper prods. & newsprint | 0 | 52681 | 12752 | 4142 | 26600 | 7481 |
| 52 | Printing and publishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | Rubber products | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | Plastic products | 0 | 231326 | 98862 | 20364 | 151226 | 6265 |
| 57 | Coal tar products | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | Inorganic heavy chemicals | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | Fertilizers | 3501701 | 271040 | 44476 | 15641 | 127045 | 7090 |
| 60 | Paints, varnishes and lacquers | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | Drugs and medicines | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | Synthetic fibers, resin | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | Other chemicals | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | Other non-metallic mineral prods. | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | Iron, steel and ferro alloys | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | Iron and steel foundries | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | Non-ferrous basic metals | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | Tractors and agri. implements | 967126 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 19 | 20 | 21 | 22 | 23 | 24 |
|-----------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | Electrical industrial Machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | Electrical appliances | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | Electronic equipments(incl.TV) | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instru.s | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | Construction | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 949226 | 129791 | 67116 | 8234 | 84849 | 4791 |
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 19 | 20 | 21 | 22 | 23 | 24 |
|-----------------|-------------------------------------|-----------------|------------------|-----------------|----------------|----------------|----------------|
| 92 | Land tpt including via pipeline | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | Air transport | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | Trade | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, social&personal services | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total Inputs | 7081632 | 803990 | 227437 | 52307 | 430165 | 149446 |
| | GVA(Output - Input) | 84712 | 108247 | 12302 | 1225 | 6041 | 1500 |
| | Total Output | 91793512 | 109051161 | 12529667 | 1277665 | 6470955 | 1649020 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/ Industry | 25 | 26 | 27 | 28 | 29 | 30 |
|-----------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 3379 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 1326 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 289 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 12707 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 11831 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 21822 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/ Industry | 25 | 26 | 27 | 28 | 29 | 30 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 25 | Other Fruits | 1756987 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 28684 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 1057 | 0 | 335182 | 576557519 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 1044547 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 2033 | 0 |
| 30 | Other liv.st. produ. | 0 | 40381 | 0 | 3430361 | 996 | 0 |
| 31 | Forestry and logging | 0 | 0 | 0 | 0 | 1464 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | Petroleum products | 0 | 97845 | 1084 | 2092938 | 0 | 0 |
| 35 | Electricity | 0 | 357116 | 456 | 1298069 | 0 | 0 |
| 36 | Natural gas | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 0 | 0 | 0 | 7079 | 30345133 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | Cotton textiles | 0 | 0 | 0 | 0 | 33693 | 0 |
| 47 | Readymade garments | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/ Industry | 25 | 26 | 27 | 28 | 29 | 30 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 48 | Miscellaneous textile products | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | Furniture and fixtures-wooden | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | Wood and wood products | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | Paper, paper prods. & newsprint | 82543 | 0 | 0 | 0 | 0 | 0 |
| 52 | Printing and publishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | Rubber products | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | Plastic products | 382177 | 0 | 0 | 0 | 0 | 0 |
| 57 | Coal tar products | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | Inorganic heavy chemicals | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | Fertilizers | 316152 | 1425796 | 2268 | 3824162 | 0 | 0 |
| 60 | Paints, varnishes and lacquers | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | Drugs and medicines | 0 | 0 | 0 | 0 | 4491 | 107197 |
| 62 | Synthetic fibers, resin | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | Other chemicals | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | Other non-metallic mineral prods. | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | Iron, steel and ferro alloys | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | Iron and steel foundries | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | Non-ferrous basic metals | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | Tractors and agri. implements | 0 | 12667 | 246 | 986785 | 313 | 0 |
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 0 | 0 | 0 | 0 | 0 | 9802500 |
| 71 | Electrical industrial Machinery | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/ Industry | 25 | 26 | 27 | 28 | 29 | 30 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | Electrical appliances | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | Electronic equipments(incl.TV) | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instru.s | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | Construction | 0 | 0 | 0 | 0 | 451 | 0 |
| 90 | Water supply | 205999 | 3155 | 3 | 22387 | 0 | 0 |
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 1451 | 0 |
| 92 | Land transport including via pipeline | 0 | 0 | 0 | 0 | 43109 | 0 |
| 93 | Air transport | 0 | 0 | 0 | 0 | 772 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/ Industry | 25 | 26 | 27 | 28 | 29 | 30 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|------------|
| 94 | Supporting and aux. transport activities | 0 | 0 | 0 | 0 | 4790 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | Trade | 0 | 611582 | 0 | 0 | 244541 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 0 | 0 | 0 | 0 | 5315 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 4 | 2897699 | 0 | 0 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, Social & personal services | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total Inputs | 2743858 | 2577226 | 5118 | 15596948 | 737033 | 616812348 |
| | GVA(Output - Input) | 68194 | 9861 | 29 | 74414 | 2767 | 593017 |
| | Total Output | 70937544 | 12437916 | 34269 | 90010514 | 3503964 | 1209828888 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 31 | 32 | 33 | 34 | 35 | 36 |
|-----------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 8905 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 31 | 32 | 33 | 34 | 35 | 36 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 0 | 15 | 0 |
| 31 | Forestry and logging | 9188900 | 0 | 0 | 0 | 3529 | 0 |
| 32 | Fishing | 0 | 4732829 | 0 | 0 | 15 | 0 |
| 33 | Coal and lignite | 0 | 0 | 363181 | 20388 | 21503891 | 0 |
| 34 | Petroleum products | 13959300 | 716627 | 406478 | 1655729 | 19057744 | 184985 |
| 35 | Electricity | 934900 | 0 | 550485 | 50937 | 40688091 | 332586 |
| 36 | Natural gas | 0 | 0 | 0 | 1263214 | 5621578 | 15713 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 0 | 0 | 0 | 0 | 7313 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 0 | 0 | 0 | 41011 | 0 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 0 | 15 | 0 |
| 46 | Cotton textiles | 0 | 0 | 0 | 0 | 75 | 0 |
| 47 | Readymade garments | 0 | 0 | 12434 | 0 | 471690 | 21241 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 31 | 32 | 33 | 34 | 35 | 36 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 48 | Miscellaneous textile products | 0 | 1398171 | 0 | 0 | 90 | 0 |
| 49 | Furniture and fixtures-wooden | 0 | 0 | 10054 | 0 | 487818 | 17168 |
| 50 | Wood and wood products | 0 | 29924 | 62084 | 0 | 8454 | 20558 |
| 51 | Paper, paper prods. & newsprint | 0 | 0 | 13018 | 0 | 289447 | 4276 |
| 52 | Printing and publishing | 0 | 0 | 5856 | 0 | 323430 | 3049 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 0 | 0 | 0 | 3994 | 0 |
| 55 | Rubber products | 0 | 0 | 53737 | 0 | 43969 | 45025 |
| 56 | Plastic products | 0 | 0 | 0 | 32 | 270 | 0 |
| 57 | Coal tar products | 0 | 0 | 0 | 155323 | 656921 | 0 |
| 58 | Inorganic heavy chemicals | 0 | 0 | 0 | 0 | 13981 | 0 |
| 59 | Fertilizers | 293000 | 0 | 0 | 0 | 0 | 0 |
| 60 | Paints, varnishes and lacquers | 0 | 0 | 0 | 0 | 330 | 0 |
| 61 | Drugs and medicines | 0 | 0 | 0 | 0 | 586 | 0 |
| 62 | Synthetic fibers, resin | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | Other chemicals | 0 | 56216 | 479964 | 114713 | 1183797 | 360823 |
| 64 | Other non-metallic mineral prods. | 0 | 0 | 0 | 0 | 571 | 28225 |
| 65 | Iron, steel and ferro alloys | 0 | 0 | 0 | 0 | 826 | 0 |
| 66 | Iron and steel foundries | 0 | 0 | 0 | 0 | 646 | 0 |
| 67 | Non-ferrous basic metals | 0 | 0 | 0 | 0 | 2313 | 0 |
| 68 | Tractors and agri. implements | 2670600 | 0 | 0 | 0 | 0 | 0 |
| 69 | Machine tools | 0 | 0 | 97518 | 0 | 2433 | 33045 |
| 70 | Other non-electrical machinery | 799600 | 0 | 295314 | 0 | 2915613 | 523972 |
| 71 | Electrical industrial Machinery | 0 | 0 | 0 | 0 | 6441385 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 31 | 32 | 33 | 34 | 35 | 36 |
|-----------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 4565 | 0 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 15632 | 0 |
| 74 | Electrical appliances | 0 | 0 | 228 | 0 | 25769 | 392 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 0 | 0 | 0 | 0 | 3387243 | 0 |
| 77 | Electronic equipments(incl.TV) | 0 | 0 | 4046 | 0 | 166100 | 6136 |
| 78 | Ships and boats | 0 | 1752693 | 0 | 0 | 75339 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 200366 | 0 | 1159650 | 74553 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 31565 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 7253 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 15 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instrus | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 345 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 0 | 2339 | 0 | 1519615 | 9084 |
| 89 | Construction | 0 | 0 | 54477 | 0 | 4202350 | 299819 |
| 90 | Water supply | 61800 | 0 | 4198 | 0 | 236093 | 12613 |
| 91 | Railway transport services | 0 | 10974 | 160324 | 0 | 3064819 | 127549 |
| 92 | Land tpt including via pipeline | 0 | 528685 | 553881 | 0 | 4228088 | 248152 |
| 93 | Air transport | 0 | 253 | 9919 | 0 | 98149 | 15763 |
| 94 | Supporting and aux. tpt activities | 0 | 50252 | 55406 | 0 | 416608 | 79879 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 31 | 32 | 33 | 34 | 35 | 36 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 95 | Storage and warehousing | 0 | 0 | 3071 | 0 | 0 | 15358 |
| 96 | Communication | 0 | 0 | 26288 | 0 | 1835942 | 17838 |
| 97 | Trade | 0 | 827175 | 327962 | 0 | 13562216 | 138973 |
| 98 | Hotels and restaurants | 0 | 0 | 21987 | 0 | 1398401 | 36170 |
| 99 | Banking | 0 | 0 | 285142 | 0 | 10778149 | 163895 |
| 100 | Education and research | 0 | 0 | 339830 | 0 | 0 | 40294 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 1754800 | 0 | 69699 | 0 | 59526 | 65229 |
| 103 | Computer & related activities | 0 | 0 | 1306 | 0 | 34734 | 1404 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, social & personal services | 0 | 0 | 17 | 0 | 579780 | 25 |
| 106 | Other services | 0 | 0 | 66980 | 0 | 30093 | 138454 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 17705140 | 0 |
| | Total Inputs | 29662900 | 10103800 | 4537590 | 3260336 | 164403925 | 3082246 |
| | GVA(Output - Input) | 128646 | 42483 | 13214 | 754 | 89016 | 16711 |
| | Total Output | 158308629 | 52586993 | 17751531 | 4014106 | 253420400 | 19792900 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 37 | 38 | 39 | 40 | 41 | 42 |
|-----------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 59629813 | 1197107 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 32430610 | 284866 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 44638 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 96314 | 4302309 |
| 6 | Gram | 0 | 0 | 0 | 0 | 253689 | 1293096 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 399566 |
| 8 | Sugarcane | 0 | 0 | 630305 | 409307 | 0 | 250334070 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 86446 | 241598 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 4065 | 15363299 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 178922 | 6116472 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 434174 | 5154 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 5678721 | 760 |
| 16 | Urad | 0 | 0 | 0 | 0 | 1114843 | 651774 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 719655 | 3666164 |
| 18 | Potato | 0 | 0 | 0 | 0 | 225697 | 568270 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 60602 | 528084 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 54448 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 47694 | 29237 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 37 | 38 | 39 | 40 | 41 | 42 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 9030 |
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 1359238 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 0 | 0 | 2229739 | 6216343 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 258415 | 158384470 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 0 | 3845 | 138268888 |
| 31 | Forestry and logging | 0 | 0 | 0 | 0 | 2410154 | 18337454 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 0 | 0 | 10680 | 1122 | 281674 | 5380663 |
| 34 | Petroleum products | 11402 | 13491 | 4737 | 13649 | 560427 | 12414929 |
| 35 | Electricity | 11981 | 10331 | 907 | 5403 | 4048220 | 13615009 |
| 36 | Natural gas | 0 | 0 | 25 | 0 | 406390 | 457678 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 32953 |
| 38 | Other non metallic minerals | 0 | 0 | 0 | 0 | 0 | 179819 |
| 39 | Sugar | 0 | 0 | 39235 | 0 | 253081 | 10586341 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 8944 | 334392 | 1075489 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 15413924 | 14757615 |
| 42 | Miscellaneous food products (Incl Dairy) | 0 | 0 | 0 | 0 | 4827749 | 32820670 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 37 | 38 | 39 | 40 | 41 | 42 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 46 | Cotton textiles | 0 | 0 | 0 | 0 | 4123 | 321815 |
| 47 | Readymade garments | 140 | 28 | 0 | 0 | 0 | 0 |
| 48 | Miscellaneous textile products | 0 | 0 | 0 | 0 | 3009 | 0 |
| 49 | Furniture and fixtures-wooden | 0 | 47 | 0 | 0 | 0 | 119495 |
| 50 | Wood and wood products | 0 | 536 | 0 | 0 | 0 | 21933 |
| 51 | Paper, paper prods. & newsprint | 120 | 125 | 16098 | 0 | 0 | 271085 |
| 52 | Printing and publishing | 176 | 60 | 0 | 0 | 1902 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 0 | 0 | 0 | 0 | 88561 |
| 55 | Rubber products | 3270 | 1622 | 0 | 0 | 0 | 747827 |
| 56 | Plastic products | 0 | 46 | 7120 | 5957 | 1712439 | 23899224 |
| 57 | Coal tar products | 0 | 0 | 0 | 0 | 0 | 377342 |
| 58 | Inorganic heavy chemicals | 0 | 1 | 7279 | 6322 | 0 | 162345 |
| 59 | Fertilizers | 0 | 0 | 0 | 0 | 0 | 216074 |
| 60 | Paints, varnishes and lacquers | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | Drugs and medicines | 0 | 0 | 0 | 0 | 56486 | 676149 |
| 62 | Synthetic fibers, resin | 0 | 0 | 0 | 0 | 7539 | 33148 |
| 63 | Other chemicals | 17269 | 35222 | 231 | 876 | 18773 | 2838521 |
| 64 | Other non-metallic mineral prods. | 0 | 0 | 0 | 0 | 0 | 6668 |
| 65 | Iron, steel and ferro alloys | 0 | 5 | 0 | 0 | 0 | 637 |
| 66 | Iron and steel foundries | 0 | 3 | 0 | 0 | 145927 | 1165 |
| 67 | Non-ferrous basic metals | 0 | 0 | 0 | 0 | 0 | 104729 |
| 68 | Tractors and agri. implements | 0 | 0 | 0 | 0 | 815 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 37 | 38 | 39 | 40 | 41 | 42 |
|-----------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 17272 | 12777 | 0 | 0 | 0 | 0 |
| 71 | Electrical industrial Machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 3 | 4 | 0 | 0 | 0 | 0 |
| 74 | Electrical appliances | 10 | 2 | 0 | 0 | 0 | 0 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | Electronic equipments(incl.TV) | 2 | 0 | 0 | 0 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 543 | 625 | 0 | 0 | 0 | 0 |
| 81 | Motor cycles and scooters | 2 | 1 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 14 | 3 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instru.s | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 29 | 13 | 0 | 0 | 0 | 20840 |
| 89 | Construction | 11941 | 8860 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 58 | 1 | 0 | 0 | 0 | 61187 |
| 91 | Railway transport services | 1328 | 7407 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 37 | 38 | 39 | 40 | 41 | 42 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 92 | Land tpt including via pipeline | 7573 | 14245 | 0 | 0 | 0 | 0 |
| 93 | Air transport | 70 | 88 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 300 | 482 | 0 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 747 | 1267 | 0 | 0 | 0 | 0 |
| 97 | Trade | 4541 | 5468 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 683 | 8455 | 0 | 0 | 0 | 0 |
| 99 | Banking | 5350 | 15885 | 0 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 21 | 41 | 0 | 0 | 0 | 0 |
| 103 | Computer & related activities | 39 | 66 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, social & personal services | 31 | 61 | 0 | 0 | 0 | 0 |
| 106 | Other services | 4963 | 6341 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 0 | 33654260 |
| | Total Inputs | 99879 | 143609 | 700521 | 445259 | 133940269 | 762600503 |
| | GVA(Output - Input) | 313 | 1015 | 149 | 37 | 15809 | 150218 |
| | Total Output | 412639 | 1158857 | 849801 | 482583 | 149749324 | 912818641 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 43 | 44 | 45 | 46 | 47 | 48 |
|-----------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 112416 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 4235 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 449071 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 20413 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 214094 |
| 19 | Vegetables | 0 | 14957 | 0 | 0 | 284 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | Other Fruits | 1821 | 1372830 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 43 | 44 | 45 | 46 | 47 | 48 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 26 | Tobacco | 0 | 6452298 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 161070 | 3053387 | 0 | 0 | 0 | 210 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 969612 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 7605 | 0 | 0 | 0 | 0 | 5415 |
| 31 | Forestry and logging | 0 | 6334436 | 0 | 0 | 0 | 708593 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 1620587 | 180530 | 0 | 0 | 1493870 | 667931 |
| 34 | Petroleum products | 2155249 | 163764 | 0 | 1403 | 714812 | 363709 |
| 35 | Electricity | 2770877 | 473080 | 247435 | 5175 | 1631540 | 711999 |
| 36 | Natural gas | 6258 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 166 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 4318 | 0 | 0 | 0 | 0 | 13456 |
| 39 | Sugar | 15464909 | 11417 | 0 | 0 | 0 | 148163 |
| 40 | Khandsari, boora | 7257 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 1265814 | 583 | 0 | 0 | 0 | 13568 |
| 42 | Miscellaneous food (Incl Dairy) products | 6306540 | 1255491 | 0 | 0 | 0 | 28249 |
| 43 | Beverages | 3064186 | 2705521 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 1390155 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 2187 | 0 | 0 | 0 | 194471 | 237 |
| 46 | Cotton textiles | 118363 | 6933 | 90660 | 232541 | 6186126 | 98639 |
| 47 | Readymade garments | 0 | 0 | 0 | 0 | 7087506 | 0 |
| 48 | Miscellaneous textile products | 0 | 11 | 675181 | 2741 | 10707754 | 477875 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 43 | 44 | 45 | 46 | 47 | 48 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 49 | Furniture and fixtures-wooden | 0 | 0 | 0 | 0 | 0 | 34678 |
| 50 | Wood and wood products | 143036 | 979784 | 0 | 0 | 1282 | 3192018 |
| 51 | Paper, paper prods. & newsprint | 33865 | 1840751 | 0 | 0 | 740902 | 955288 |
| 52 | Printing and publishing | 616 | 140911 | 0 | 17043 | 223723 | 2495 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 62902 | 0 |
| 54 | Leather and leather products | 0 | 0 | 0 | 0 | 517395 | 22893 |
| 55 | Rubber products | 0 | 23533 | 0 | 0 | 22155 | 125189 |
| 56 | Plastic products | 11398195 | 3646499 | 0 | 253 | 2093725 | 955138 |
| 57 | Coal tar products | 153251 | 0 | 0 | 0 | 0 | 163 |
| 58 | Inorganic heavy chemicals | 366155 | 0 | 0 | 0 | 4809 | 413905 |
| 59 | Fertilizers | 0 | 0 | 0 | 0 | 0 | 61148 |
| 60 | Paints, varnishes and lacquers | 2448 | 0 | 0 | 42865 | 68595 | 732958 |
| 61 | Drugs and medicines | 0 | 6473 | 0 | 0 | 0 | 0 |
| 62 | Synthetic fibers, resin | 336913 | 608 | 0 | 0 | 18773 | 2464616 |
| 63 | Other chemicals | 1208808 | 267370 | 0 | 188 | 107474 | 1502856 |
| 64 | Other non-metallic mineral prods. | 0 | 0 | 0 | 0 | 2095 | 127259 |
| 65 | Iron, steel and ferro alloys | 0 | 0 | 0 | 0 | 0 | 14127 |
| 66 | Iron and steel foundries | 0 | 433 | 0 | 0 | 360 | 1107831 |
| 67 | Non-ferrous basic metals | 0 | 0 | 0 | 6504 | 75420 | 217912 |
| 68 | Tractors and agri. implements | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 | 65549 |
| 70 | Other non-electrical machinery | 0 | 0 | 0 | 11362 | 0 | 1548 |
| 71 | Electrical industrial Machinery | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 43 | 44 | 45 | 46 | 47 | 48 |
|-----------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 73 | Batteries | 0 | 0 | 17057 | 0 | 0 | 0 |
| 74 | Electrical appliances | 0 | 0 | 0 | 0 | 0 | 16417 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 0 | 0 | 0 | 0 | 54796 | 30668 |
| 77 | Electronic equipments(incl.TV) | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 0 | 0 | 0 | 2627 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instru.s | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 37842 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 0 | 0 | 0 | 0 | 63659 |
| 89 | Construction | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 161225 | 53 | 0 | 0 | 0 | 0 |
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 0 | 0 |
| 92 | Land tpt including via pipeline | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | Air transport | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 43 | 44 | 45 | 46 | 47 | 48 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 97 | Trade | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, social & personal services | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 445888 | 0 |
| | Total Inputs | 47847817 | 30771046 | 1030333 | 340489 | 32456658 | 15600925 |
| | GVA(Output - Input) | 18255 | 40063 | 36090 | 213 | 47918 | 6578 |
| | Total Output | 66102359 | 70833827 | 37120752 | 553950 | 80374428 | 22179165 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 49 | 50 | 51 | 52 | 53 | 54 |
|-----------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 214094 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 49 | 50 | 51 | 52 | 53 | 54 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 25 | Other Fruits | 0 | 0 | 11471 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 210 | 3643677 | 0 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 5415 | 0 | 0 | 1223813 | 10271947 |
| 31 | Forestry and logging | 123676 | 708593 | 748099 | 2031 | 164569 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 0 | 667931 | 7342421 | 1023852 | 1092967 | 966273 |
| 34 | Petroleum products | 13917 | 363709 | 8336398 | 393687 | 488020 | 431548 |
| 35 | Electricity | 15748 | 711999 | 5392774 | 1115078 | 1256238 | 811963 |
| 36 | Natural gas | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 627 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 1635 | 13456 | 41710 | 0 | 0 | 153850 |
| 39 | Sugar | 0 | 148163 | 1918266 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 13568 | 599336 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 28249 | 43617 | 0 | 0 | 123124 |
| 43 | Beverages | 0 | 0 | 57 | 75 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 314 | 237 | 0 | 4992 | 0 | 85778 |
| 46 | Cotton textiles | 1604 | 98639 | 200477 | 255661 | 992418 | 556540 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 49 | 50 | 51 | 52 | 53 | 54 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 47 | Readymade garments | 700 | 0 | 0 | 0 | 103182 | 16805 |
| 48 | Miscellaneous textile products | 20175 | 477875 | 3009 | 75980 | 1480407 | 1275625 |
| 49 | Furniture and fixtures-wooden | 40528 | 34678 | 0 | 0 | 0 | 0 |
| 50 | Wood and wood products | 39435 | 3192018 | 200050 | 22455 | 77 | 8867 |
| 51 | Paper, paper prods. & newsprint | 3633 | 955288 | 38830312 | 18613675 | 3743 | 67 |
| 52 | Printing and publishing | 0 | 2495 | 981902 | 76849 | 34470 | 1009 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 6563410 | 665438 |
| 54 | Leather and leather products | 2550 | 22893 | 7812 | 104330 | 16728256 | 9298676 |
| 55 | Rubber products | 15140 | 125189 | 26883 | 0 | 1118236 | 19281 |
| 56 | Plastic products | 24409 | 955138 | 3363498 | 1073197 | 3010541 | 640101 |
| 57 | Coal tar products | 0 | 163 | 53626 | 24914 | 36511 | 74739 |
| 58 | Inorganic heavy chemicals | 7374 | 413905 | 14447 | 460 | 28741 | 305818 |
| 59 | Fertilizers | 0 | 61148 | 613 | 169696 | 13520 | 2354 |
| 60 | Paints, varnishes and lacquers | 8487 | 732958 | 447531 | 167978 | 591049 | 29470 |
| 61 | Drugs and medicines | 0 | 0 | 162 | 0 | 0 | 0 |
| 62 | Synthetic fibers, resin | 1038 | 2464616 | 514082 | 57201 | 528202 | 17726 |
| 63 | Other chemicals | 1283 | 1502856 | 13213323 | 570449 | 2729094 | 6693601 |
| 64 | Other non-metallic mineral prods. | 1546 | 127259 | 0 | 0 | 2660 | 0 |
| 65 | Iron, steel and ferro alloys | 5129 | 14127 | 0 | 0 | 0 | 0 |
| 66 | Iron and steel foundries | 18633 | 1107831 | 126280 | 296703 | 25745 | 25321 |
| 67 | Non-ferrous basic metals | 12415 | 217912 | 841982 | 25712 | 8408 | 0 |
| 68 | Tractors and agri. implements | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | Machine tools | 4483 | 65549 | 0 | 431 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 49 | 50 | 51 | 52 | 53 | 54 |
|-----------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 70 | Other non-electrical machinery | 2108 | 1548 | 0 | 79045 | 24811 | 0 |
| 71 | Electrical industrial Machinery | 0 | 0 | 2797 | 0 | 0 | 0 |
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | Electrical appliances | 0 | 16417 | 0 | 0 | 0 | 0 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 2327 | 30668 | 0 | 0 | 0 | 0 |
| 77 | Electronic equipments(incl.TV) | 0 | 0 | 0 | 7705 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 618 | 2627 | 0 | 0 | 0 | 0 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instrus | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 37842 | 0 | 0 | 0 | 25846 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 63659 | 477565 | 2614564 | 3894 | 61694 |
| 89 | Construction | 6434 | 0 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 | Railway transport services | 2006 | 0 | 0 | 0 | 0 | 0 |
| 92 | Land tpt including via pipeline | 17593 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 49 | 50 | 51 | 52 | 53 | 54 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 93 | Air transport | 8732 | 0 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 3534 | 0 | 0 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 2974 | 0 | 0 | 0 | 0 | 0 |
| 97 | Trade | 104924 | 0 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 62929 | 0 | 0 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 74419 | 0 | 0 | 0 | 0 | 0 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, social & personal services | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 1909574 | 0 | 1177554 | 1044772 | 0 | 0 |
| | Total Inputs | 2562022 | 15600925 | 88562357 | 27821491 | 38252980 | 32563459 |
| | GVA(Output - Input) | 1885 | 13487 | 31958 | 12641 | 10653 | 17167 |
| | Total Output | 4446934 | 29087429 | 120520688 | 40462635 | 48905566 | 49730289 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 55 | 56 | 57 | 58 | 59 | 60 |
|-----------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 882 | 23599 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 55 | 56 | 57 | 58 | 59 | 60 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 0 | 349187 | 15442 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 108 | 0 | 0 | 173323 | 3 |
| 31 | Forestry and logging | 3047422 | 351705 | 0 | 2270 | 219278 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 486636 | 1578254 | 94695 | 2554211 | 6243661 | 0 |
| 34 | Petroleum products | 363595 | 2315561 | 3771 | 60786846 | 29162304 | 1185 |
| 35 | Electricity | 924678 | 4890908 | 1107 | 3307758 | 6317805 | 6377 |
| 36 | Natural gas | 0 | 0 | 0 | 26434466 | 31810861 | 0 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 46476 | 128 |
| 38 | Other non metallic minerals | 285417 | 211451 | 0 | 9159177 | 1146317 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 680 | 830077 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 1413 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 1780 | 0 | 0 | 690013 | 700 |
| 43 | Beverages | 392 | 0 | 0 | 0 | 490244 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 134 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 13635 | 0 | 0 | 0 | 20205 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 55 | 56 | 57 | 58 | 59 | 60 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 46 | Cotton textiles | 2332 | 10134 | 0 | 900 | 220914 | 0 |
| 47 | Readymade garments | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | Miscellaneous textile products | 690708 | 217805 | 0 | 0 | 29489 | 0 |
| 49 | Furniture and fixtures-wooden | 5663 | 152 | 0 | 0 | 37347 | 0 |
| 50 | Wood and wood products | 37902 | 81159 | 0 | 0 | 12600 | 5358 |
| 51 | Paper, paper prods. & newsprint | 241880 | 1122210 | 0 | 0 | 0 | 0 |
| 52 | Printing and publishing | 0 | 149375 | 0 | 0 | 0 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 5207 | 774155 | 0 | 0 | 231301 | 0 |
| 55 | Rubber products | 1695826 | 667851 | 0 | 36194 | 14443 | 0 |
| 56 | Plastic products | 1893802 | 33673766 | 31 | 534080 | 3684923 | 12778 |
| 57 | Coal tar products | 0 | 3387599 | 0 | 575531 | 809312 | 0 |
| 58 | Inorganic heavy chemicals | 1597540 | 630233 | 0 | 4876 | 2511504 | 13985 |
| 59 | Fertilizers | 0 | 1943520 | 0 | 0 | 332084 | 0 |
| 60 | Paints, varnishes and lacquers | 59575 | 1437848 | 0 | 76415 | 687113 | 133104 |
| 61 | Drugs and medicines | 0 | 14306 | 0 | 0 | 3627 | 0 |
| 62 | Synthetic fibers, resin | 2296849 | 7790888 | 0 | 0 | 364932 | 15495 |
| 63 | Other chemicals | 1078553 | 11173116 | 0 | 4506878 | 5124768 | 191034 |
| 64 | Other non-metallic mineral prods. | 2120 | 78967 | 0 | 5515248 | 20229917 | 0 |
| 65 | Iron, steel and ferro alloys | 34485 | 1097 | 0 | 0 | 1471 | 0 |
| 66 | Iron and steel foundries | 293879 | 971277 | 0 | 0 | 63940 | 0 |
| 67 | Non-ferrous basic metals | 14036 | 80597 | 0 | 0 | 341942 | 0 |
| 68 | Tractors and agri. implements | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 55 | 56 | 57 | 58 | 59 | 60 |
|-----------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 1173 | 98826 | 0 | 0 | 7660 | 0 |
| 71 | Electrical industrial Machinery | 0 | 169576 | 0 | 0 | 40728 | 0 |
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | Electrical appliances | 18032 | 0 | 0 | 0 | 0 | 0 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 119942 | 205807 | 0 | 0 | 0 | 0 |
| 77 | Electronic equipments(incl.TV) | 0 | 22934 | 0 | 0 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 0 | 0 | 145259 | 0 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instru.s | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 3989 | 1336163 | 0 | 0 | 37 | 0 |
| 89 | Construction | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 55 | 56 | 57 | 58 | 59 | 60 |
|-----------------|---------------------------------------|-----------------|------------------|---------------|------------------|------------------|---------------|
| 92 | Land tpt including via pipeline | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | Air transport | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | Trade | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, social & personal services | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 0 | 0 | 0 | 0 | 13723 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total Inputs | 15215269 | 75389125 | 99604 | 113847011 | 112098772 | 380146 |
| | GVA(Output - Input) | 13356 | 25228 | 85 | 31526 | 12296 | 337 |
| | Total Output | 28570924 | 100617491 | 184452 | 145373135 | 124394561 | 716688 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors | 61 | 62 | 63 | 64 | 65 | 66 |
|-----------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 691052 | 0 | 0 |
| 2 | Wheat | 1 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 45 | 0 | 458060 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 659 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 99 | 0 | 0 | 0 |
| 12 | Other oilseeds | 227 | 0 | 392586 | 0 | 0 | 0 |
| 13 | Cotton | 17 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 6 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 2 | 0 | 18901 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 23182 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors | 61 | 62 | 63 | 64 | 65 | 66 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 25 | Other Fruits | 13 | 0 | 139319 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 246 | 0 | 603471 | 2907488 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 145 | 0 | 58043 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 21 | 0 | 113022 | 0 | 0 | 0 |
| 31 | Forestry and logging | 86 | 0 | 1681588 | 65223 | 0 | 770136 |
| 32 | Fishing | 0 | 0 | 135 | 0 | 0 | 0 |
| 33 | Coal and lignite | 42 | 388388 | 1403955 | 4865535 | 4521275 | 1702436 |
| 34 | Petroleum products | 577 | 508099 | 2692197 | 6740913 | 3310256 | 1557186 |
| 35 | Electricity | 1274 | 526869 | 2679764 | 6792925 | 9110673 | 2436594 |
| 36 | Natural gas | 182 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 153783 | 535105 | 367 | 0 |
| 38 | Other non metallic minerals | 5 | 0 | 1901858 | 2817028 | 47518 | 115909 |
| 39 | Sugar | 352 | 0 | 2285225 | 15321 | 0 | 504 |
| 40 | Khandsari, boora | 170 | 0 | 30645 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 509955 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 1546 | 0 | 1650498 | 7833 | 0 | 144637 |
| 43 | Beverages | 52 | 0 | 171649 | 0 | 0 | 0 |
| 44 | Tobacco products | 2 | 0 | 4888 | 187872 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 5 | 0 | 23850 | 0 | 0 | 3639 |
| 46 | Cotton textiles | 30 | 0 | 234850 | 14728 | 59110 | 17904 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors | 61 | 62 | 63 | 64 | 65 | 66 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 47 | Readymade garments | 19 | 15649 | 0 | 0 | 0 | 0 |
| 48 | Miscellaneous textile products | 212 | 563980 | 26203 | 952 | 0 | 24201 |
| 49 | Furniture and fixtures-wooden | 0 | 0 | 195859 | 124506 | 0 | 181 |
| 50 | Wood and wood products | 372 | 1328927 | 166156 | 443603 | 10010 | 720021 |
| 51 | Paper, paper prods. & newsprint | 67 | 8224 | 107122 | 137474 | 64553 | 10691 |
| 52 | Printing and publishing | 115 | 0 | 9777 | 2776 | 0 | 2403 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 1 | 0 | 10501 | 2169 | 0 | 177452 |
| 55 | Rubber products | 1 | 4161 | 157133 | 0 | 0 | 57468 |
| 56 | Plastic products | 697 | 2267025 | 8296054 | 4360820 | 470924 | 6092356 |
| 57 | Coal tar products | 0 | 0 | 1254850 | 3592 | 0 | 2302 |
| 58 | Inorganic heavy chemicals | 1121 | 3217 | 12234088 | 2587507 | 6596 | 131458 |
| 59 | Fertilizers | 0 | 0 | 758264 | 1166 | 0 | 36505 |
| 60 | Paints, varnishes and lacquers | 9 | 22430 | 2287878 | 218819 | 405031 | 1176631 |
| 61 | Drugs and medicines | 17141 | 0 | 1893259 | 59232 | 0 | 7121 |
| 62 | Synthetic fibers, resin | 3 | 74762 | 106296 | 153133 | 1642 | 52766 |
| 63 | Other chemicals | 579 | 882550 | 21197821 | 1668612 | 72722 | 1539041 |
| 64 | Other non-metallic mineral prods. | 11 | 0 | 328805 | 5725372 | 18757 | 1307907 |
| 65 | Iron, steel and ferro alloys | 1 | 0 | 14171 | 1022537 | 333886 | 4517253 |
| 66 | Iron and steel foundries | 0 | 0 | 510 | 958532 | 89497742 | 19145018 |
| 67 | Non-ferrous basic metals | 12 | 0 | 362034 | 104866 | 5870895 | 5985756 |
| 68 | Tractors and agri. implements | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors | 61 | 62 | 63 | 64 | 65 | 66 |
|-----------------|--------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 | 3194 |
| 70 | Other non-electrical machinery | 15 | 0 | 1091 | 38219 | 22507 | 193932 |
| 71 | Electrical industrial Machinery | 0 | 0 | 0 | 0 | 0 | 44398 |
| 72 | Electrical wires & cables | 0 | 0 | 816 | 159152 | 0 | 213271 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | Electrical appliances | 0 | 0 | 0 | 289367 | 0 | 1195980 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 0 | 0 | 77928 | 75274 | 0 | 220275 |
| 77 | Electronic equipments(incl.TV) | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 0 | 0 | 0 | 31982 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 0 | 1345 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 0 | 204704 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instr.u.s | 52 | 0 | 7962 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 235 | 71621 | 5410774 | 56937 | 0 | 49573 |
| 89 | Construction | 736 | 0 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 0 | 0 | 246 | 8537 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors | 61 | 62 | 63 | 64 | 65 | 66 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 91 | Railway transport services | 293 | 0 | 0 | 0 | 0 | 0 |
| 92 | Land tpt including via pipeline | 3192 | 0 | 0 | 0 | 0 | 0 |
| 93 | Air transport | 268 | 0 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 236 | 0 | 0 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 211 | 0 | 0 | 0 | 0 | 0 |
| 97 | Trade | 4109 | 0 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 595 | 0 | 0 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 121 | 0 | 0 | 0 | 0 | 0 |
| 103 | Computer & related activities | 192 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, Social & personal services | 1720 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 19 | 0 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total Inputs | 38065 | 6665903 | 72137123 | 43844176 | 113824464 | 49894131 |
| | GVA(Output - Input) | 23 | 4945 | 71279 | 56913 | 96440 | 65510 |
| | Total Output | 60683 | 11611248 | 143416572 | 100757443 | 210264603 | 115404544 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 67 | 68 | 69 | 70 | 71 | 72 |
|-----------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 67 | 68 | 69 | 70 | 71 | 72 |
|----------|--|----------|------|-------|---------|---------|-------|
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 92 | 0 | 881 |
| 31 | Forestry and logging | 0 | 0 | 0 | 0 | 4361 | 42 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 10108840 | 0 | 8416 | 3693645 | 4269394 | 11 |
| 34 | Petroleum products | 738778 | 0 | 11085 | 833787 | 1904576 | 11476 |
| 35 | Electricity | 22245289 | 3617 | 26167 | 2433612 | 1223804 | 33348 |
| 36 | Natural gas | 3404 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 110941 | 0 | 0 | 23 | 0 | 0 |
| 38 | Other non metallic minerals | 148896 | 0 | 0 | 271513 | 1096700 | 1482 |
| 39 | Sugar | 1260 | 0 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 675604 | 0 | 0 | 0 | 0 | 0 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 16219 | 0 | 24 |
| 46 | Cotton textiles | 0 | 0 | 0 | 15304 | 7312 | 122 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 67 | 68 | 69 | 70 | 71 | 72 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 47 | Readymade garments | 0 | 0 | 0 | 0 | 0 | 3687 |
| 48 | Miscellaneous textile products | 0 | 0 | 0 | 50072 | 13906 | 12108 |
| 49 | Furniture and fixtures-wooden | 1377 | 0 | 0 | 0 | 0 | 0 |
| 50 | Wood and wood products | 5709 | 0 | 207 | 270404 | 93026 | 4230 |
| 51 | Paper, paper prods. & newsprint | 7362 | 0 | 0 | 434723 | 41742 | 9851 |
| 52 | Printing and publishing | 0 | 0 | 0 | 192799 | 0 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 83511 | 0 | 23456 | 52316 | 19688 | 1534 |
| 55 | Rubber products | 6742 | 0 | 4287 | 4021816 | 36642 | 17448 |
| 56 | Plastic products | 137206 | 0 | 108958 | 3430007 | 916568 | 61139 |
| 57 | Coal tar products | 2675990 | 0 | 0 | 3110 | 190 | 0 |
| 58 | Inorganic heavy chemicals | 1595780 | 0 | 0 | 6786 | 1724 | 17929 |
| 59 | Fertilizers | 0 | 0 | 0 | 863 | 866 | 352 |
| 60 | Paints, varnishes and lacquers | 53480 | 0 | 18628 | 292736 | 162609 | 1314 |
| 61 | Drugs and medicines | 0 | 0 | 0 | 39345 | 0 | 2 |
| 62 | Synthetic fibers, resin | 2881939 | 0 | 0 | 1440040 | 145414 | 147160 |
| 63 | Other chemicals | 106323 | 0 | 2667 | 55772 | 75073 | 24031 |
| 64 | Other non-metallic mineral prods. | 225529 | 0 | 29429 | 12420 | 652778 | 4383 |
| 65 | Iron, steel and ferro alloys | 1905344 | 0 | 0 | 3785295 | 3397158 | 59943 |
| 66 | Iron and steel foundries | 13302835 | 957 | 14784 | 11489162 | 21016556 | 44667 |
| 67 | Non-ferrous basic metals | 3955683 | 0 | 7330 | 6227935 | 5214529 | 623378 |
| 68 | Tractors and agri. implements | 0 | 235063 | 0 | 5287700 | 0 | 0 |
| 69 | Machine tools | 0 | 0 | 0 | 4486 | 117 | 22951 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 67 | 68 | 69 | 70 | 71 | 72 |
|-----------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 70 | Other non-electrical machinery | 0 | 0 | 30609 | 8484062 | 995230 | 2446 |
| 71 | Electrical industrial Machinery | 0 | 0 | 0 | 107943 | 1035084 | 15947 |
| 72 | Electrical wires & cables | 0 | 0 | 0 | 1176461 | 184929 | 31183 |
| 73 | Batteries | 63515 | 0 | 0 | 93536 | 643273 | 6 |
| 74 | Electrical appliances | 1432 | 0 | 0 | 38952 | 761261 | 1875 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 5533 |
| 76 | Other electrical Machinery | 0 | 0 | 41689 | 2121035 | 6030029 | 24220 |
| 77 | Electronic equipments(incl.TV) | 0 | 0 | 204933 | 67226 | 3338289 | 1179 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 0 | 1906653 | 152397 | 0 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 54043 | 5701 | 6 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 208632 | 253659 | 0 |
| 84 | Watches and clocks | 0 | 0 | 86131 | 1013 | 0 | 0 |
| 85 | Medical, precision&optical instru.s | 0 | 0 | 2747 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 49 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 1790 | 0 | 2701 | 34779 | 154505 | 13380 |
| 89 | Construction | 0 | 0 | 0 | 0 | 0 | 2574 |
| 90 | Water supply | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 0 | 5026 |
| 92 | Land tpt including via pipeline | 0 | 0 | 0 | 0 | 0 | 72006 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 67 | 68 | 69 | 70 | 71 | 72 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 93 | Air transport | 0 | 0 | 0 | 0 | 0 | 8532 |
| 94 | Supporting and aux. tpt activities | 0 | 0 | 0 | 0 | 0 | 4989 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 0 | 0 | 0 | 0 | 0 | 9983 |
| 97 | Trade | 0 | 0 | 0 | 0 | 0 | 75153 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 0 | 0 | 0 | 0 | 0 | 46286 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 0 | 0 | 0 | 460 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 27383 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, social & personal services | 0 | 0 | 0 | 0 | 0 | 283 |
| 106 | Other services | 0 | 0 | 0 | 0 | 0 | 923 |
| 107 | Public administration | 0 | 0 | 0 | 56118273 | 0 | 0 |
| | Total Inputs | 61044558 | 239636 | 624225 | 114774587 | 53849091 | 1452914 |
| | GVA(Output - Input) | 37323 | 25 | 707 | 48796 | 16607 | 1638 |
| | Total Output | 98367379 | 264517 | 1331528 | 163570144 | 70456254 | 3091039 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 73 | 74 | 75 | 76 | 77 | 78 |
|-----------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 73 | 74 | 75 | 76 | 77 | 78 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | Forestry and logging | 0 | 0 | 0 | 459 | 475 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 161168 | 50656 | 3055933 | 194723 | 539012 | 563 |
| 34 | Petroleum products | 190569 | 63628 | 381674 | 159653 | 589653 | 1462 |
| 35 | Electricity | 385359 | 175024 | 573782 | 300599 | 682103 | 2318 |
| 36 | Natural gas | 339557 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 65753 | 422239 | 0 | 4502 | 0 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | Cotton textiles | 0 | 3671 | 0 | 1356 | 4771 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 73 | 74 | 75 | 76 | 77 | 78 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 47 | Readymade garments | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | Miscellaneous textile products | 0 | 3822 | 114955 | 34652 | 0 | 0 |
| 49 | Furniture and fixtures-wooden | 0 | 0 | 0 | 5 | 0 | 0 |
| 50 | Wood and wood products | 0 | 0 | 0 | 328004 | 34437 | 0 |
| 51 | Paper, paper prods. & newsprint | 0 | 7227 | 910617 | 682 | 1702 | 0 |
| 52 | Printing and publishing | 0 | 0 | 1855695 | 604 | 2178978 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 0 | 0 | 2813 | 31257 | 0 |
| 55 | Rubber products | 8799 | 33044 | 0 | 42659 | 9876 | 0 |
| 56 | Plastic products | 440753 | 1551324 | 1451376 | 478660 | 5318690 | 126 |
| 57 | Coal tar products | 0 | 0 | 4708 | 0 | 832 | 0 |
| 58 | Inorganic heavy chemicals | 134263 | 0 | 0 | 0 | 2726 | 0 |
| 59 | Fertilizers | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | Paints, varnishes and lacquers | 0 | 151282 | 4455 | 55474 | 170378 | 0 |
| 61 | Drugs and medicines | 565869 | 0 | 0 | 0 | 1868 | 0 |
| 62 | Synthetic fibers, resin | 17512 | 102361 | 13337 | 16968 | 79883 | 0 |
| 63 | Other chemicals | 47374 | 0 | 5246 | 125867 | 167469 | 0 |
| 64 | Other non-metallic mineral prods. | 20861 | 8001 | 40053 | 152200 | 309616 | 0 |
| 65 | Iron, steel and ferro alloys | 1151 | 0 | 1263 | 359559 | 0 | 0 |
| 66 | Iron and steel foundries | 17227 | 973774 | 364055 | 1238705 | 557717 | 38344 |
| 67 | Non-ferrous basic metals | 222406 | 291378 | 187781 | 788492 | 982134 | 0 |
| 68 | Tractors and agri. implements | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 73 | 74 | 75 | 76 | 77 | 78 |
|-----------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 0 | 68000 | 2322 | 82375 | 6648122 | 0 |
| 71 | Electrical industrial Machinery | 10925 | 0 | 7454 | 5808 | 614026 | 0 |
| 72 | Electrical wires & cables | 0 | 116678 | 15163 | 104658 | 345100 | 0 |
| 73 | Batteries | 16100 | 0 | 0 | 103959 | 16843 | 0 |
| 74 | Electrical appliances | 26883 | 15494 | 0 | 95688 | 539075 | 0 |
| 75 | Communication equipments | 0 | 0 | 0 | 67592 | 196071 | 0 |
| 76 | Other electrical Machinery | 388003 | 871703 | 53302065 | 1148766 | 11435687 | 22849 |
| 77 | Electronic equipments(incl.TV) | 0 | 184478 | 27575360 | 51373 | 842570 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 5450 | 0 | 0 | 17255 | 0 |
| 81 | Motor cycles and scooters | 42 | 52441 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 23424 | 0 | 0 | 35507 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instrus | 0 | 0 | 0 | 23577 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 6552 | 7323 | 6786 | 470174 | 0 |
| 89 | Construction | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 73 | 74 | 75 | 76 | 77 | 78 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 92 | Land tpt including via pipeline | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | Air transport | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | Trade | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, social & personal services | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total Inputs | 3083998 | 5158228 | 89874618 | 6012723 | 32788501 | 65663 |
| | GVA(Output - Input) | 1250 | 6181 | 22209 | 5523 | 17287 | 34 |
| | Total Output | 4333546 | 11339049 | 112083719 | 11535330 | 50075254 | 100015 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17**Rs.**

| Sr. Code | Sectors/Industry | 79 | 80 | 81 | 82 | 83 | 84 |
|----------|--------------------|----|----|----|----|----|----|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 79 | 80 | 81 | 82 | 83 | 84 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 469 | 0 | 0 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | Forestry and logging | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 404568 | 4003279 | 299749 | 0 | 909748 | 0 |
| 34 | Petroleum products | 103788 | 1295038 | 16853 | 364 | 285407 | 1247000 |
| 35 | Electricity | 139596 | 3295987 | 69934 | 3926 | 836977 | 2568300 |
| 36 | Natural gas | 0 | 0 | 0 | 0 | 5247 | 0 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 0 | 0 | 0 | 0 | 10191 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 7750 | 0 | 0 | 0 | 0 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 22340 | 0 | 0 | 0 | 0 |
| 46 | Cotton textiles | 0 | 46129 | 0 | 0 | 0 | 0 |
| 47 | Readymade garments | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 79 | 80 | 81 | 82 | 83 | 84 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 48 | Miscellaneous textile products | 20622 | 85813 | 0 | 0 | 0 | 0 |
| 49 | Furniture and fixtures-wooden | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | Wood and wood products | 0 | 10662 | 0 | 0 | 13153 | 0 |
| 51 | Paper, paper prods. & newsprint | 0 | 96839 | 0 | 0 | 0 | 0 |
| 52 | Printing and publishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 962383 | 0 | 0 | 2120 | 0 |
| 55 | Rubber products | 28996 | 5641932 | 6099 | 0 | 2568360 | 0 |
| 56 | Plastic products | 68840 | 2479236 | 826 | 0 | 2507050 | 2322000 |
| 57 | Coal tar products | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | Inorganic heavy chemicals | 23695 | 14507 | 0 | 0 | 0 | 0 |
| 59 | Fertilizers | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | Paints, varnishes and lacquers | 13816 | 147911 | 0 | 0 | 198090 | 0 |
| 61 | Drugs and medicines | 0 | 1146786 | 0 | 0 | 0 | 0 |
| 62 | Synthetic fibers, resin | 0 | 143568 | 0 | 0 | 118807 | 0 |
| 63 | Other chemicals | 3787 | 1027593 | 0 | 0 | 205287 | 0 |
| 64 | Other non-metallic mineral prods. | 35038 | 31301 | 0 | 0 | 49770 | 0 |
| 65 | Iron, steel and ferro alloys | 1035714 | 1765708 | 0 | 0 | 426248 | 0 |
| 66 | Iron and steel foundries | 724768 | 10224730 | 0 | 78 | 6934962 | 0 |
| 67 | Non-ferrous basic metals | 54881 | 3913254 | 0 | 1442 | 462482 | 0 |
| 68 | Tractors and agri. implements | 0 | 112577 | 0 | 0 | 0 | 0 |
| 69 | Machine tools | 0 | 25370 | 0 | 0 | 545 | 0 |
| 70 | Other non-electrical machinery | 115582 | 4829240 | 0 | 0 | 1288782 | 0 |
| 71 | Electrical industrial Machinery | 59511 | 847806 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 79 | 80 | 81 | 82 | 83 | 84 |
|-----------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 72 | Electrical wires & cables | 0 | 291087 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 0 | 4742 | 16724 | 0 | 13102 | 0 |
| 74 | Electrical appliances | 0 | 653 | 15418 | 0 | 0 | 0 |
| 75 | Communication equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 77395 | 1251407 | 6375 | 0 | 933294 | 0 |
| 77 | Electronic equipments(incl.TV) | 49440 | 19197 | 0 | 37 | 0 | 0 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | Rail equipments | 263256 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 1763 | 20480458 | 593405 | 0 | 1363556 | 0 |
| 81 | Motor cycles and scooters | 0 | 514759 | 42096 | 5301 | 632109 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 77772 | 2288334 | 0 |
| 83 | Other transport equipments | 429653 | 16533182 | 83865 | 0 | 20018866 | 0 |
| 84 | Watches and clocks | 0 | 3062 | 0 | 0 | 0 | 5694500 |
| 85 | Medical, precision&optical instru.s | 0 | 0 | 0 | 13 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 274051 | 0 | 0 | 536441 | 13609500 |
| 89 | Construction | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | Water supply | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 0 | 0 |
| 92 | Land tpt including via pipeline | 0 | 0 | 0 | 4162 | 0 | 0 |
| 93 | Air transport | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 79 | 80 | 81 | 82 | 83 | 84 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 96 | Communication | 0 | 0 | 0 | 362 | 0 | 0 |
| 97 | Trade | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | Banking | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 0 | 1308 | 0 | 0 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, social & personal services | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | Other services | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Public administration | 0 | 452252 | 0 | 0 | 4011025 | 0 |
| | Total Inputs | 3654710 | 82003057 | 1151346 | 94765 | 46619955 | 25441300 |
| | GVA(Output - Input) | 2357 | 28679 | 325 | 109 | 14207 | 61778 |
| | Total Output | 6011740 | 110681595 | 1476084 | 203963 | 60827230 | 87219400 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 85 | 86 | 87 | 88 | 89 | 90 |
|-----------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 81 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 85 | 86 | 87 | 88 | 89 | 90 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 0 | 0 | 10966 | 3065878 | 604 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 0 | 400266 | 16 |
| 31 | Forestry and logging | 0 | 0 | 0 | 207509 | 29281752 | 0 |
| 32 | Fishing | 0 | 29474 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 115171 | 57715 | 1572 | 392134 | 0 | 182 |
| 34 | Petroleum products | 97378 | 12562 | 7136 | 219371 | 13312554 | 20473 |
| 35 | Electricity | 263145 | 36726 | 10588 | 512581 | 11885557 | 168495 |
| 36 | Natural gas | 0 | 0 | 0 | 0 | 0 | 2022 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 206 | 167237 | 0 | 39115 | 17783646 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 0 | 0 | 97704 | 0 | 0 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 647 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 40259 | 0 | 12992 | 0 | 0 |
| 46 | Cotton textiles | 34401 | 19078 | 0 | 74443 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 85 | 86 | 87 | 88 | 89 | 90 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 47 | Readymade garments | 33735 | 0 | 0 | 0 | 656062 | 7504 |
| 48 | Miscellaneous textile products | 133 | 113 | 0 | 241421 | 182574 | 262 |
| 49 | Furniture and fixtures-wooden | 81 | 0 | 0 | 1212 | 394273 | 12814 |
| 50 | Wood and wood products | 2698 | 0 | 0 | 1793985 | 14772733 | 176 |
| 51 | Paper, paper prods. & newsprint | 2935 | 0 | 0 | 173792 | 1676292 | 14697 |
| 52 | Printing and publishing | 0 | 0 | 0 | 27433 | 738584 | 10247 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 242701 | 0 | 0 | 185800 | 0 | 0 |
| 55 | Rubber products | 18978 | 0 | 415 | 928559 | 99107 | 1449 |
| 56 | Plastic products | 1513281 | 27398 | 1268 | 1191941 | 234681 | 1273 |
| 57 | Coal tar products | 253 | 0 | 0 | 28470 | 17346302 | 0 |
| 58 | Inorganic heavy chemicals | 1362 | 0 | 0 | 15079 | 0 | 17879 |
| 59 | Fertilizers | 0 | 0 | 0 | 0 | 471321 | 101161 |
| 60 | Paints, varnishes and lacquers | 5018 | 2094 | 0 | 206970 | 11630603 | 0 |
| 61 | Drugs and medicines | 50530 | 0 | 0 | 0 | 0 | 0 |
| 62 | Synthetic fibers, resin | 37032 | 0 | 0 | 146346 | 0 | 0 |
| 63 | Other chemicals | 61979 | 4985 | 0 | 1576010 | 0 | 14734 |
| 64 | Other non-metallic mineral prods. | 16099 | 45654 | 15287 | 509768 | 34176276 | 123 |
| 65 | Iron, steel and ferro alloys | 1846 | 0 | 12 | 108023 | 85396831 | 8680 |
| 66 | Iron and steel foundries | 127649 | 2450196 | 0 | 706941 | 41389531 | 5364 |
| 67 | Non-ferrous basic metals | 178995 | 54195 | 143 | 268684 | 0 | 0 |
| 68 | Tractors and agri. implements | 0 | 0 | 0 | 5003 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 85 | 86 | 87 | 88 | 89 | 90 |
|----------|-------------------------------------|--------|-------|--------|--------|-----------|--------|
| 69 | Machine tools | 0 | 0 | 0 | 0 | 35 | 0 |
| 70 | Other non-electrical machinery | 13362 | 0 | 0 | 3835 | 1786682 | 44187 |
| 71 | Electrical industrial Machinery | 176 | 0 | 0 | 0 | 0 | 2193 |
| 72 | Electrical wires & cables | 107812 | 0 | 0 | 7794 | 10339226 | 0 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 20619 | 321 |
| 74 | Electrical appliances | 0 | 0 | 0 | 0 | 51553 | 556 |
| 75 | Communication equipments | 1720 | 0 | 0 | 0 | 0 | 5707 |
| 76 | Other electrical Machinery | 1265 | 0 | 141603 | 124573 | 0 | 2792 |
| 77 | Electronic equipments(incl.TV) | 1605 | 0 | 0 | 0 | 143687 | 9680 |
| 78 | Ships and boats | 0 | 0 | 0 | 0 | 9071 | 1546 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 69 | 0 |
| 80 | Motor vehicles | 5199 | 0 | 0 | 140461 | 791255 | 6161 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 1014 | 75 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 4623 | 33689 | 711 |
| 83 | Other transport equipments | 190 | 0 | 0 | 1718 | 0 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instru.s | 630736 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 55739 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 9244 | 66564 | 0 | 648764 | 5937471 | 11568 |
| 89 | Construction | 0 | 0 | 0 | 0 | 151568382 | 663597 |
| 90 | Water supply | 0 | 0 | 0 | 0 | 2174052 | 727775 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 85 | 86 | 87 | 88 | 89 | 90 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|------------|-----------|
| 91 | Railway transport services | 0 | 0 | 0 | 0 | 5012752 | 14349 |
| 92 | Land tpt including via pipeline | 0 | 0 | 0 | 0 | 48193748 | 1103480 |
| 93 | Air transport | 0 | 0 | 0 | 0 | 409982 | 1802 |
| 94 | Supporting and aux. tpt activities | 0 | 0 | 0 | 0 | 4849056 | 2407 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 0 | 0 | 0 | 0 | 1099860 | 28506 |
| 97 | Trade | 0 | 0 | 0 | 0 | 95824871 | 20328 |
| 98 | Hotels and restaurants | 0 | 0 | 0 | 0 | 461755 | 93850 |
| 99 | Banking | 0 | 0 | 0 | 0 | 23699852 | 189855 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 92 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 0 | 0 | 0 | 0 | 14993399 | 252867 |
| 103 | Computer & related activities | 0 | 0 | 0 | 0 | 97148 | 1219 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 1640990 | 0 |
| 105 | Community, social & personal services | 0 | 0 | 0 | 0 | 63424 | 5043 |
| 106 | Other services | 0 | 0 | 0 | 0 | 456533 | 4813 |
| 107 | Public administration | 0 | 0 | 0 | 0 | 0 | 619175 |
| | Total Inputs | 3576995 | 3069989 | 178026 | 10614017 | 654555089 | 4203367 |
| | GVA(Output - Input) | 1932 | 8883 | 29 | 5981 | 649197 | 4380 |
| | Total Output | 5509472 | 11952495 | 207470 | 16594887 | 1303752077 | 8583300 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 91 | 92 | 93 | 94 | 95 | 96 |
|-----------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | 0 | 41 | 0 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 2850 | 0 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 1437 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 137624 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 52976 | 0 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 9800 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 91 | 92 | 93 | 94 | 95 | 96 |
|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 9483571 | 0 | 0 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 0 | 0 | 0 | 68178 | 0 |
| 30 | Other liv.st. produ. | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | Forestry and logging | 570 | 0 | 0 | 0 | 0 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 162756 | 0 | 0 | 0 | 149276 | 0 |
| 34 | Petroleum products | 2679253 | 103648515 | 805 | 220 | 699649 | 2927240 |
| 35 | Electricity | 13064023 | 2154648 | 2070 | 394 | 2457889 | 4057284 |
| 36 | Natural gas | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | Sugar | 0 | 0 | 0 | 0 | 1027 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 83 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 22895 | 0 | 0 | 2687 | 0 |
| 43 | Beverages | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | Cotton textiles | 9948 | 29109 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 91 | 92 | 93 | 94 | 95 | 96 |
|-----------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 47 | Readymade garments | 1072 | 91695 | 0 | 1 | 0 | 171596 |
| 48 | Miscellaneous textile products | 1780 | 7294752 | 0 | 0 | 0 | 0 |
| 49 | Furniture and fixtures-wooden | 3058 | 35274 | 0 | 1 | 0 | 384698 |
| 50 | Wood and wood products | 593 | 5103 | 0 | 2 | 320 | 0 |
| 51 | Paper, paper prods. & newsprint | 51750 | 1778771 | 0 | 298 | 0 | 980282 |
| 52 | Printing and publishing | 95513 | 1267728 | 0 | 361 | 0 | 669952 |
| 53 | Leather footwear | 0 | 60194 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 1037 | 0 | 0 | 0 | 0 |
| 55 | Rubber products | 844 | 12373871 | 0 | 27 | 0 | 132777 |
| 56 | Plastic products | 730 | 2706729 | 0 | 140 | 30808 | 261619 |
| 57 | Coal tar products | 2008 | 0 | 0 | 0 | 0 | 0 |
| 58 | Inorganic heavy chemicals | 0 | 6491 | 0 | 0 | 0 | 0 |
| 59 | Fertilizers | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | Paints, varnishes and lacquers | 0 | 682953 | 0 | 51 | 0 | 0 |
| 61 | Drugs and medicines | 183 | 3201 | 0 | 0 | 0 | 0 |
| 62 | Synthetic fibers, resin | 0 | 9406 | 0 | 0 | 0 | 0 |
| 63 | Other chemicals | 3537 | 6124 | 0 | 0 | 86382 | 0 |
| 64 | Other non-metallic mineral prods. | 8830 | 373884 | 0 | 0 | 35964 | 0 |
| 65 | Iron, steel and ferro alloys | 3377 | 2988 | 6272 | 0 | 0 | 0 |
| 66 | Iron and steel foundries | 2989 | 2466 | 0 | 0 | 0 | 0 |
| 67 | Non-ferrous basic metals | 0 | 1649 | 0 | 0 | 0 | 0 |
| 68 | Tractors and agri. implements | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 91 | 92 | 93 | 94 | 95 | 96 |
|-----------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 69 | Machine tools | 38447 | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 117806 | 7097628 | 0 | 0 | 0 | 511573 |
| 71 | Electrical industrial Machinery | 135010 | 0 | 0 | 0 | 0 | 0 |
| 72 | Electrical wires & cables | 3286 | 888806 | 0 | 0 | 0 | 276997 |
| 73 | Batteries | 456 | 2312693 | 0 | 6 | 0 | 21668 |
| 74 | Electrical appliances | 56518 | 1502 | 0 | 0 | 0 | 37960 |
| 75 | Communication equipments | 223792 | 9325 | 0 | 0 | 0 | 31160010 |
| 76 | Other electrical Machinery | 88075 | 367 | 0 | 0 | 0 | 945037 |
| 77 | Electronic equipments(incl.TV) | 8260 | 10215 | 0 | 135 | 0 | 152616 |
| 78 | Ships and boats | 1620 | 0 | 0 | 0 | 0 | 17068 |
| 79 | Rail equipments | 25987926 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 9361730 | 0 | 121 | 0 | 534432 |
| 81 | Motor cycles and scooters | 46 | 196 | 0 | 0 | 0 | 3214 |
| 82 | Bicycles, cycle-rickshaw | 183 | 1796 | 0 | 0 | 0 | 9836 |
| 83 | Other transport equipments | 0 | 11292 | 0 | 0 | 0 | 0 |
| 84 | Watches and clocks | 102358 | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instrus | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 2886001 | 1734802 | 0 | 0 | 0 | 401822 |
| 89 | Construction | 8323387 | 3231098 | 0 | 269 | 0 | 2260336 |
| 90 | Water supply | 5271 | 82281 | 0 | 0 | 85 | 18786 |
| 91 | Railway transport services | 175990 | 729291 | 0 | 82 | 0 | 364083 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 91 | 92 | 93 | 94 | 95 | 96 |
|-----------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 92 | Land tpt including via pipeline | 1370727 | 10312518 | 0 | 1840 | 0 | 2500010 |
| 93 | Air transport | 13896 | 145055 | 0 | 8 | 0 | 159654 |
| 94 | Supporting and aux. tpt activities | 26354 | 779409 | 0 | 34 | 0 | 60459 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 37 | 0 | 0 |
| 96 | Communication | 181329 | 5309336 | 0 | 708 | 0 | 1876220 |
| 97 | Trade | 2034824 | 31266580 | 0 | 144 | 0 | 1897805 |
| 98 | Hotels and restaurants | 232006 | 40197563 | 0 | 1621 | 0 | 638614 |
| 99 | Banking | 2451924 | 2561993 | 0 | 306 | 0 | 539835 |
| 100 | Education and research | 205242 | 0 | 0 | 0 | 0 | 2197910 |
| 101 | Medical and health | 2204037 | 0 | 0 | 0 | 0 | 306617 |
| 102 | Business services | 56267 | 11433118 | 0 | 250 | 0 | 377106 |
| 103 | Computer & related activities | 156002 | 228585 | 0 | 36 | 0 | 176943 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 50096 |
| 105 | Community, Social & personal services | 1255 | 632598 | 0 | 187 | 0 | 424791 |
| 106 | Other services | 25053 | 196308 | 0 | 4 | 0 | 77472 |
| 107 | Public administration | 0 | 5614471 | 0 | 0 | 0 | 438101 |
| | Total Inputs | 63206162 | 276388541 | 9147 | 7282 | 3542149 | 58022517 |
| | GVA(Output - Input) | 117434 | 213921 | 3 | 5 | 5132 | 187132 |
| | Total Output | 180640460 | 490309820 | 12319 | 12639 | 8674027 | 245154910 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 97 | 98 | 99 | 100 | 101 | 102 |
|-----------------|-------------------------|-----------|-----------|-----------|------------|------------|------------|
| 1 | Paddy | 0 | 2335473 | 0 | 205167 | 299985 | 0 |
| 2 | Wheat | 0 | 1491081 | 0 | 224860 | 140206 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 1899 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 19 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 16006 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 590023 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 3410941 | 0 | 115592 | 411348 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 3285707 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 97 | 98 | 99 | 100 | 101 | 102 |
|-----------------|--|-----------|-----------|-----------|------------|------------|------------|
| 25 | Other Fruits | 0 | 532653 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 2871177 | 0 | 1037030 | 2020906 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 8655074 | 0 | 272019 | 646178 | 0 |
| 30 | Other livestock prod. | 0 | 2913537 | 0 | 26346 | 63242 | 0 |
| 31 | Forestry and logging | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | Fishing | 0 | 327017 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 0 | 24304 | 0 | 0 | 0 | 2679 |
| 34 | Petroleum products | 12390495 | 745546 | 1270586 | 1649567 | 1770293 | 3719 |
| 35 | Electricity | 6661828 | 1220954 | 4603558 | 878825 | 918166 | 13414 |
| 36 | Natural gas | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Other non metallic minerals | 0 | 0 | 0 | 0 | 0 | 4896 |
| 39 | Sugar | 0 | 1096002 | 0 | 0 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 963112 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 9354893 | 0 | 0 | 0 | 0 |
| 43 | Beverages | 0 | 1660954 | 0 | 0 | 0 | 0 |
| 44 | Tobacco products | 0 | 496 | 0 | 0 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | Cotton textiles | 18178 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 97 | 98 | 99 | 100 | 101 | 102 |
|----------|-----------------------------------|---------|---------|---------|---------|----------|-------|
| 47 | Readymade garments | 49737 | 1208537 | 257952 | 812434 | 2174246 | 0 |
| 48 | Miscellaneous textile products | 0 | 63 | 0 | 445702 | 1351919 | 0 |
| 49 | Furniture and fixtures-wooden | 85557 | 753391 | 536018 | 2302280 | 4938419 | 0 |
| 50 | Wood and wood products | 759817 | 0 | 6681 | 0 | 0 | 0 |
| 51 | Paper, paper prods. & newsprint | 3139493 | 599452 | 1140638 | 405196 | 554056 | 3965 |
| 52 | Printing and publishing | 6771992 | 99274 | 1265588 | 2895781 | 1236472 | 0 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | Rubber products | 63858 | 763 | 114052 | 44195 | 37305 | 0 |
| 56 | Plastic products | 485148 | 0 | 0 | 0 | 0 | 56570 |
| 57 | Coal tar products | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | Inorganic heavy chemicals | 16341 | 0 | 0 | 120268 | 166401 | 0 |
| 59 | Fertilizers | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | Paints, varnishes and lacquers | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | Drugs and medicines | 0 | 0 | 0 | 2998398 | 69440977 | 0 |
| 62 | Synthetic fibers, resin | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | Other chemicals | 38 | 24 | 0 | 0 | 0 | 24502 |
| 64 | Other non-metallic mineral prods. | 242 | 44070 | 52 | 66 | 74 | 0 |
| 65 | Iron, steel and ferro alloys | 64177 | 0 | 0 | 0 | 0 | 0 |
| 66 | Iron and steel foundries | 39647 | 0 | 0 | 0 | 0 | 0 |
| 67 | Non-ferrous basic metals | 0 | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 97 | 98 | 99 | 100 | 101 | 102 |
|-----------------|------------------------------------|-----------|-----------|-----------|------------|------------|------------|
| 68 | Tractors and agri. implements | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | Machine tools | 442618 | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 60210 | 710055 | 280825 | 210765 | 321286 | 0 |
| 71 | Electrical industrial Machinery | 0 | 0 | 22317 | 0 | 0 | 0 |
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 14172 | 991 | 29415 | 11987 | 8572 | 0 |
| 74 | Electrical appliances | 3674 | 70326 | 34101 | 49859 | 49041 | 0 |
| 75 | Communication equipments | 0 | 97462 | 503 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 51 | 113216 | 0 | 0 | 0 | 0 |
| 77 | Electronic equipments(incl.TV) | 26827 | 327984 | 2274143 | 86875 | 4547453 | 0 |
| 78 | Ships and boats | 0 | 670 | 39550 | 55523 | 166070 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 145396 | 13568 | 241709 | 505639 | 486951 | 0 |
| 81 | Motor cycles and scooters | 510 | 73 | 686201 | 3623 | 4010 | 0 |
| 82 | Bicycles, cycle-rickshaw | 4720 | 24 | 30439 | 12712 | 37231 | 0 |
| 83 | Other transport equipments | 13 | 0 | 17 | 0 | 74 | 0 |
| 84 | Watches and clocks | 0 | 0 | 0 | 132 | 12693 | 0 |
| 85 | Medical, precision&optical instrus | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 2971390 | 256837 | 442184 | 1298050 | 865630 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 97 | 98 | 99 | 100 | 101 | 102 |
|----------|---------------------------------------|------------|-----------|-----------|------------|-----------|-----------|
| 89 | Construction | 4628192 | 2195433 | 5260969 | 13427847 | 4313248 | 0 |
| 90 | Water supply | 1174 | 57511 | 153827 | 39650 | 28549 | 0 |
| 91 | Railway transport services | 233555 | 117151 | 1563021 | 75414 | 410134 | 0 |
| 92 | Land tpt including via pipeline | 43701948 | 3344491 | 5401659 | 36465860 | 7831871 | 0 |
| 93 | Air transport | 158102 | 67956 | 1066292 | 530140 | 272466 | 0 |
| 94 | Supporting and aux. tpt activities | 354408 | 371291 | 59004 | 141410 | 708132 | 0 |
| 95 | Storage and warehousing | 5521096 | 11056 | 0 | 0 | 0 | 0 |
| 96 | Communication | 3141572 | 301319 | 9908763 | 3602833 | 3835826 | 0 |
| 97 | Trade | 6391624 | 10018760 | 839248 | 2057924 | 5944145 | 0 |
| 98 | Hotels and restaurants | 14322488 | 4602379 | 8086419 | 15830175 | 32696511 | 0 |
| 99 | Banking | 34448892 | 1810588 | 15162842 | 22717914 | 4408313 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 7186696 | 1652198 | 0 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | Business services | 7604213 | 108037 | 1444544 | 2453504 | 34031 | 0 |
| 103 | Computer & related activities | 934004 | 110194 | 493553 | 195353 | 215258 | 0 |
| 104 | Real estate activities | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Community, social & personal services | 110967 | 234262 | 1038664 | 13239 | 817030 | 0 |
| 106 | Other services | 6429 | 55379 | 31828 | 429632 | 157424 | 0 |
| 107 | Public administration | 0 | 0 | 0 | 41209002 | 13006584 | 114738391 |
| | Total Inputs | 155774794 | 69199458 | 63787163 | 163045480 | 169000920 | 114848136 |
| | GVA(Output - Input) | 922648 | 46066 | 362008 | 1061955 | 261199 | 129564 |
| | Total Output | 1078423201 | 115265541 | 425795370 | 1225000000 | 430200000 | 244412322 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 103 | 104 | 105 | 106 | 107 |
|-----------------|-------------------------|------------|------------|------------|------------|------------|
| 1 | Paddy | 0 | 70 | 0 | 0 | 0 |
| 2 | Wheat | 0 | 70 | 0 | 0 | 0 |
| 3 | Jowar | 0 | 0 | 0 | 0 | 0 |
| 4 | Bajra | 0 | 0 | 0 | 0 | 0 |
| 5 | Maize | 0 | 0 | 0 | 0 | 0 |
| 6 | Gram | 0 | 0 | 0 | 0 | 0 |
| 7 | Barley | 0 | 0 | 0 | 0 | 0 |
| 8 | Sugarcane | 0 | 0 | 0 | 0 | 0 |
| 9 | Groundnut | 0 | 0 | 0 | 0 | 0 |
| 10 | Sesamum | 0 | 0 | 0 | 0 | 0 |
| 11 | Rapeseed & Mustard | 0 | 0 | 0 | 0 | 0 |
| 12 | Other oilseeds | 0 | 0 | 23599 | 0 | 0 |
| 13 | Cotton | 0 | 0 | 0 | 0 | 0 |
| 14 | Arhar | 0 | 0 | 0 | 0 | 0 |
| 15 | Lentil | 0 | 0 | 0 | 0 | 0 |
| 16 | Urad | 0 | 0 | 0 | 0 | 0 |
| 17 | Other Pulses | 0 | 211 | 0 | 0 | 0 |
| 18 | Potato | 0 | 0 | 0 | 0 | 0 |
| 19 | Vegetables | 0 | 0 | 0 | 0 | 0 |
| 20 | Mango | 0 | 0 | 0 | 0 | 0 |
| 21 | Guava | 0 | 0 | 0 | 0 | 0 |
| 22 | Litchi | 0 | 0 | 0 | 0 | 0 |
| 23 | Gooseberry | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 103 | 104 | 105 | 106 | 107 |
|-----------------|--|------------|------------|------------|------------|------------|
| 24 | Papaya | 0 | 0 | 0 | 0 | 0 |
| 25 | Other Fruits | 0 | 0 | 0 | 0 | 0 |
| 26 | Tobacco | 0 | 0 | 0 | 0 | 0 |
| 27 | Other crops | 0 | 11662 | 15442 | 0 | 0 |
| 28 | Other Non-food crops | 0 | 0 | 0 | 0 | 0 |
| 29 | Milk and milk products | 0 | 351 | 0 | 0 | 0 |
| 30 | Other liv.st. produ. | 0 | 15105 | 173323 | 0 | 0 |
| 31 | Forestry and logging | 0 | 0 | 219278 | 0 | 0 |
| 32 | Fishing | 0 | 0 | 0 | 0 | 0 |
| 33 | Coal and lignite | 142710 | 913 | 6243661 | 388388 | 0 |
| 34 | Petroleum products | 3369 | 5831 | 29162304 | 508099 | 0 |
| 35 | Electricity | 8108 | 54096 | 6317805 | 526869 | 17705140 |
| 36 | Natural gas | 0 | 0 | 31810861 | 0 | 0 |
| 37 | Lime stone | 0 | 0 | 46476 | 0 | 0 |
| 38 | Other non metallic minerals | 0 | 0 | 1146317 | 0 | 0 |
| 39 | Sugar | 0 | 0 | 830077 | 0 | 0 |
| 40 | Khandsari, boora | 0 | 0 | 0 | 0 | 0 |
| 41 | Milling of Grain and Pulses | 0 | 0 | 0 | 0 | 0 |
| 42 | Miscellaneous food (Incl Dairy) products | 0 | 0 | 690013 | 0 | 33654260 |
| 43 | Beverages | 0 | 0 | 490244 | 0 | 0 |
| 44 | Tobacco products | 0 | 0 | 134 | 0 | 0 |
| 45 | Khadi, cotton textiles(handlooms) | 0 | 0 | 20205 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 103 | 104 | 105 | 106 | 107 |
|-----------------|-----------------------------------|------------|------------|------------|------------|------------|
| 46 | Cotton textiles | 0 | 2740 | 220914 | 0 | 0 |
| 47 | Readymade garments | 0 | 0 | 0 | 15649 | 445888 |
| 48 | Miscellaneous textile products | 0 | 36884 | 29489 | 563980 | 0 |
| 49 | Furniture and fixtures-wooden | 0 | 316709 | 37347 | 0 | 1909574 |
| 50 | Wood and wood products | 0 | 0 | 12600 | 1328927 | 0 |
| 51 | Paper, paper prods. & newsprint | 0 | 75243 | 0 | 8224 | 1177554 |
| 52 | Printing and publishing | 0 | 17283 | 0 | 0 | 1044772 |
| 53 | Leather footwear | 0 | 0 | 0 | 0 | 0 |
| 54 | Leather and leather products | 0 | 0 | 231301 | 0 | 0 |
| 55 | Rubber products | 0 | 0 | 14443 | 4161 | 0 |
| 56 | Plastic products | 4443 | 0 | 3684923 | 2267025 | 0 |
| 57 | Coal tar products | 0 | 0 | 809312 | 0 | 0 |
| 58 | Inorganic heavy chemicals | 0 | 0 | 2511504 | 3217 | 0 |
| 59 | Fertilizers | 0 | 0 | 332084 | 0 | 0 |
| 60 | Paints, varnishes and lacquers | 0 | 0 | 687113 | 22430 | 0 |
| 61 | Drugs and medicines | 0 | 19671 | 3627 | 0 | 0 |
| 62 | Synthetic fibers, resin | 0 | 0 | 364932 | 74762 | 0 |
| 63 | Other chemicals | 0 | 28242 | 5124768 | 882550 | 0 |
| 64 | Other non-metallic mineral prods. | 0 | 1686 | 20229917 | 0 | 0 |
| 65 | Iron, steel and ferro alloys | 0 | 0 | 1471 | 0 | 0 |
| 66 | Iron and steel foundries | 0 | 0 | 63940 | 0 | 0 |
| 67 | Non-ferrous basic metals | 0 | 0 | 341942 | 0 | 0 |
| 68 | Tractors and agri. implements | 0 | 0 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 103 | 104 | 105 | 106 | 107 |
|-----------------|------------------------------------|------------|------------|------------|------------|------------|
| 69 | Machine tools | 0 | 0 | 0 | 0 | 0 |
| 70 | Other non-electrical machinery | 0 | 703 | 7660 | 0 | 56118273 |
| 71 | Electrical industrial Machinery | 0 | 0 | 40728 | 0 | 0 |
| 72 | Electrical wires & cables | 0 | 0 | 0 | 0 | 0 |
| 73 | Batteries | 0 | 0 | 0 | 0 | 0 |
| 74 | Electrical appliances | 0 | 10257 | 0 | 0 | 0 |
| 75 | Communication equipments | 0 | 206268 | 0 | 0 | 0 |
| 76 | Other electrical Machinery | 0 | 843 | 0 | 0 | 0 |
| 77 | Electronic equipments(incl.TV) | 0 | 773 | 0 | 0 | 0 |
| 78 | Ships and boats | 0 | 283549 | 0 | 0 | 0 |
| 79 | Rail equipments | 0 | 0 | 0 | 0 | 0 |
| 80 | Motor vehicles | 0 | 0 | 145259 | 0 | 452252 |
| 81 | Motor cycles and scooters | 0 | 0 | 0 | 0 | 0 |
| 82 | Bicycles, cycle-rickshaw | 0 | 0 | 0 | 0 | 0 |
| 83 | Other transport equipments | 0 | 0 | 0 | 0 | 4011025 |
| 84 | Watches and clocks | 0 | 0 | 0 | 0 | 0 |
| 85 | Medical, precision&optical instrus | 0 | 0 | 0 | 0 | 0 |
| 86 | Jems & jewelry | 0 | 0 | 0 | 0 | 0 |
| 87 | Aircraft & spacecraft | 0 | 0 | 0 | 0 | 0 |
| 88 | Miscellaneous manufacturing | 0 | 39202 | 37 | 71621 | 0 |
| 89 | Construction | 0 | 68135651 | 0 | 0 | 0 |
| 90 | Water supply | 0 | 0 | 0 | 0 | 619175 |
| 91 | Railway transport services | 0 | 913 | 0 | 0 | 0 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors/Industry | 103 | 104 | 105 | 106 | 107 |
|-----------------|---------------------------------------|------------|------------|------------|------------|------------|
| 92 | Land tpt including via pipeline | 0 | 69763 | 0 | 0 | 5614471 |
| 93 | Air transport | 0 | 3232 | 0 | 0 | 0 |
| 94 | Supporting and aux. tpt activities | 0 | 6393 | 0 | 0 | 0 |
| 95 | Storage and warehousing | 0 | 0 | 0 | 0 | 0 |
| 96 | Communication | 0 | 908747 | 0 | 0 | 438101 |
| 97 | Trade | 0 | 61614 | 0 | 0 | 0 |
| 98 | Hotels and restaurants | 0 | 5002359 | 0 | 0 | 0 |
| 99 | Banking | 0 | 13126143 | 0 | 0 | 0 |
| 100 | Education and research | 0 | 0 | 0 | 0 | 41209002 |
| 101 | Medical and health | 0 | 0 | 0 | 0 | 13006584 |
| 102 | Business services | 0 | 11522 | 0 | 0 | 114738391 |
| 103 | Computer & related activities | 0 | 14613 | 0 | 0 | 1165393 |
| 104 | Real estate activities | 0 | 10747944 | 0 | 0 | 1056570 |
| 105 | Community, social & personal services | 0 | 1830702 | 0 | 0 | 0 |
| 106 | Other services | 0 | 119293 | 13723 | 0 | 554289 |
| 107 | Public administration | 1165393 | 1056570 | 0 | 554289 | 662276928 |
| | Total Inputs | 1324022 | 102223822 | 112098772 | 7220192 | 957197642 |
| | GVA(Output - Input) | 3768 | 1768695 | 413751 | 19340 | 0 |
| | Total Output | 5092393 | 1870919050 | 525849736 | 26560295 | 957197642 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors | Supply of Total Inputs | Total Output | Final Demand |
|-----------------|--------------------|-------------------------------|---------------------|---------------------|
| 1 | Paddy | 64360388 | 265998406 | 201638 |
| 2 | Wheat | 34580511 | 426242784 | 391662 |
| 3 | Jowar | 79922 | 2724619 | 2645 |
| 4 | Bajra | 4739 | 23194696 | 23190 |
| 5 | Maize | 4969571 | 21554350 | 16585 |
| 6 | Gram | 1713318 | 36244886 | 34532 |
| 7 | Barley | 403834 | 6944160 | 6540 |
| 8 | Sugarcane | 251986127 | 348140269 | 96154 |
| 9 | Groundnut | 839517 | 4133700 | 3294 |
| 10 | Sesamum | 2 | 5335077 | 5335 |
| 11 | Rapeseed & Mustard | 15367556 | 30781136 | 15414 |
| 12 | Other oilseeds | 7292735 | 1126724 | -6166 |
| 13 | Cotton | 20613 | 105678 | 85 |
| 14 | Arhar | 439361 | 17324073 | 16885 |
| 15 | Lentil | 5679558 | 6944160 | 1265 |
| 16 | Urad | 1766751 | 15944686 | 14178 |
| 17 | Other Pulses | 12700908 | 53397641 | 40697 |
| 18 | Potato | 1223193 | 147948891 | 146726 |
| 19 | Vegetables | 5572198 | 91793512 | 86221 |
| 20 | Mango | 173601 | 109051161 | 108878 |
| 21 | Guava | 4232 | 12529667 | 12525 |
| 22 | Litchi | 90657 | 1277665 | 1187 |
| 23 | Gooseberry | 40445 | 6470955 | 6431 |
| 24 | Papaya | 156032 | 1649020 | 1493 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors | Supply of Total Inputs | Total Output | Final Demand |
|-----------------|--|-------------------------------|---------------------|---------------------|
| 25 | Other Fruits | 5174332 | 70937544 | 65763 |
| 26 | Tobacco | 6480982 | 12437916 | 5957 |
| 27 | Other crops | 614591936 | 34269 | -614558 |
| 28 | Other Non-food crops | 1044547 | 90010514 | 88966 |
| 29 | Milk and milk products | 169314517 | 3503964 | -165811 |
| 30 | Other liv.st. produ. | 157137964 | 1209828888 | 1052691 |
| 31 | Forestry and logging | 74583650 | 158308629 | 83725 |
| 32 | Fishing | 5089471 | 52586993 | 47498 |
| 33 | Coal and lignite | 101838215 | 17751531 | -84087 |
| 34 | Petroleum products | 352393756 | 4014106 | -348380 |
| 35 | Electricity | 223412961 | 253420400 | 30007 |
| 36 | Natural gas | 98177454 | 19792900 | -78385 |
| 37 | Lime stone | 927043 | 412639 | -514 |
| 38 | Other non metallic minerals | 37262931 | 1158857 | -36104 |
| 39 | Sugar | 33630099 | 849801 | -32780 |
| 40 | Khandsari, boora | 2420093 | 482583 | -1938 |
| 41 | Milling of Grain and Pulses | 32575774 | 149749324 | 117174 |
| 42 | Miscellaneous food (Incl Dairy) products | 122829722 | 912818641 | 789989 |
| 43 | Beverages | 8584021 | 66102359 | 57518 |
| 44 | Tobacco products | 1583681 | 70833827 | 69250 |
| 45 | Khadi, cotton textiles(handlooms) | 461603 | 37120752 | 36659 |
| 46 | Cotton textiles | 10246685 | 553950 | -9693 |
| 47 | Readymade garments | 13659188 | 80374428 | 66715 |
| 48 | Miscellaneous textile products | 28636476 | 22179165 | -6457 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors | Supply of Total Inputs | Total Output | Final Demand |
|-----------------|-----------------------------------|-------------------------------|---------------------|---------------------|
| 49 | Furniture and fixtures-wooden | 12820261 | 4446934 | -8373 |
| 50 | Wood and wood products | 30172090 | 29087429 | -1085 |
| 51 | Paper, paper prods. & newsprint | 77727396 | 120520688 | 42793 |
| 52 | Printing and publishing | 22349489 | 40462635 | 18113 |
| 53 | Leather footwear | 7351944 | 48905566 | 41554 |
| 54 | Leather and leather products | 29838064 | 49730289 | 19892 |
| 55 | Rubber products | 31265636 | 28570924 | -2695 |
| 56 | Plastic products | 148703993 | 100617491 | -48087 |
| 57 | Coal tar products | 28437310 | 184452 | -28253 |
| 58 | Inorganic heavy chemicals | 26117299 | 145373135 | 119256 |
| 59 | Fertilizers | 16848460 | 124394561 | 107546 |
| 60 | Paints, varnishes and lacquers | 23836928 | 716688 | -23120 |
| 61 | Drugs and medicines | 77116685 | 60683 | -77056 |
| 62 | Synthetic fibers, resin | 23040694 | 11611248 | -11429 |
| 63 | Other chemicals | 89999747 | 143416572 | 53417 |
| 64 | Other non-metallic mineral prods. | 90532761 | 100757443 | 10225 |
| 65 | Iron, steel and ferro alloys | 104290811 | 210264603 | 105974 |
| 66 | Iron and steel foundries | 225519821 | 115404544 | -110115 |
| 67 | Non-ferrous basic metals | 38052159 | 98367379 | 60315 |
| 68 | Tractors and agri. implements | 10930799 | 264517 | -10666 |
| 69 | Machine tools | 806771 | 1331528 | 525 |
| 70 | Other non-electrical machinery | 104682516 | 163570144 | 58888 |
| 71 | Electrical industrial Machinery | 9603815 | 70456254 | 60852 |
| 72 | Electrical wires & cables | 14266982 | 3091039 | -11176 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors | Supply of Total Inputs | Total Output | Final Demand |
|-----------------|-------------------------------------|-------------------------------|---------------------|---------------------|
| 73 | Batteries | 3425398 | 4333546 | 908 |
| 74 | Electrical appliances | 3424695 | 11339049 | 7914 |
| 75 | Communication equipments | 31973982 | 112083719 | 80110 |
| 76 | Other electrical Machinery | 83277267 | 11535330 | -71742 |
| 77 | Electronic equipments(incl.TV) | 40131256 | 50075254 | 9944 |
| 78 | Ships and boats | 2402698 | 100015 | -2303 |
| 79 | Rail equipments | 26251251 | 6011740 | -20240 |
| 80 | Motor vehicles | 38969919 | 110681595 | 71712 |
| 81 | Motor cycles and scooters | 2038373 | 1476084 | -562 |
| 82 | Bicycles, cycle-rickshaw | 2509340 | 203963 | -2305 |
| 83 | Other transport equipments | 41815836 | 60827230 | 19011 |
| 84 | Watches and clocks | 5899888 | 87219400 | 81320 |
| 85 | Medical, precision&optical instru.s | 665087 | 5509472 | 4844 |
| 86 | Jems & jewelry | 157664 | 11952495 | 11795 |
| 87 | Aircraft & spacecraft | 0 | 207470 | 207 |
| 88 | Miscellaneous manufacturing | 44525451 | 16594887 | -27931 |
| 89 | Construction | 268596051 | 1303752077 | 1035156 |
| 90 | Water supply | 6008596 | 8583300 | 2575 |
| 91 | Railway transport services | 12077911 | 180640460 | 168563 |
| 92 | Land tpt including via pipeline | 171633074 | 490309820 | 318677 |
| 93 | Air transport | 2971131 | 12319 | -2959 |
| 94 | Supporting and aux. tpt activities | 7974833 | 12639 | -7962 |
| 95 | Storage and warehousing | 5550619 | 8674027 | 3123 |
| 96 | Communication | 32528731 | 245154910 | 212626 |

Matrix 1: Input-Output Matrix (Commodity x Industry) 2016-17

Rs.

| Sr. Code | Sectors | Supply of Total Inputs | Total Output | Final Demand |
|-----------------|-------------------------------------|-------------------------------|---------------------|---------------------|
| 97 | Trade | 172264510 | 1078423201 | 906159 |
| 98 | Hotels and restaurants | 123631435 | 115265541 | -8366 |
| 99 | Banking | 132482005 | 425795370 | 293313 |
| 100 | Education and research | 52831263 | 1225000000 | 1172169 |
| 101 | Medical and health | 15517238 | 430200000 | 414683 |
| 102 | Business services | 160318949 | 244412322 | 84093 |
| 103 | Computer & related activities | 3853425 | 5092393 | 1239 |
| 104 | Real estate activities | 13495600 | 1870919050 | 1857423 |
| 105 | Community, social&personal services | 5754082 | 525849736 | 520096 |
| 106 | Other services | 2389675 | 26560295 | 24171 |
| 107 | Public administration | 957197642 | 957197642 | 0 |
| | Total Inputs | 6230380177 | | |
| | Total Output | 16115734998 | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 | Paddy | 0.00001 | | | | | | | | | |
| 2 | Wheat | | 0.00001 | | | | | | | | |
| 3 | Jowar | | | 0.01295 | | | | | | | |
| 4 | Bajra | | | | 0.00000 | | | | | | |
| 5 | Maize | | | | | 0.00001 | | | | | |
| 6 | Gram | | | | | | 0.00001 | | | | |
| 7 | Barley | | | | | | | 0.00000 | | | |
| 8 | Sugarcane | | | | | | | | 0.00000 | | |
| 9 | Groundnut | | | | | | | | | 0.12373 | |
| 10 | Sesamum | | | | | | | | | | 0.00000 |
| 11 | Rapeseed & Mustard | | | | | | | | | | |
| 12 | Other oilseeds | | | | | | | | | | |
| 13 | Cotton | | | | | | | | | | |
| 14 | Arhar | | | | | | | | | | |
| 15 | Lentil | | | | | | | | | | |
| 16 | Urad | | | | | | | | | | |
| 17 | Other Pulses | | | | | | | | | | |
| 18 | Potato | | | | | | | | | | |
| 19 | Vegetables | | | | | | | | | | |
| 20 | Mango | | | | | | | | | | |
| 21 | Guava | | | | | | | | | | |
| 22 | Litchi | | | | | | | | | | |
| 23 | Gooseberry | | | | | | | | | | |
| 24 | Papaya | | | | | | | | | | |
| 25 | Other Fruits | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| 26 | Tobacco | | | | | | | | | | |
| 27 | Other crops | | | | | | | | | | |
| 28 | Other Non-food crops | | | | | | | | | | |
| 29 | Milk and milk products | | | | | | | | | | |
| 30 | Other liv.st. produ. | | | | | | | | | | |
| 31 | Forestry and logging | | | | | | | | | | |
| 32 | Fishing | | | | | | | | | | |
| 33 | Coal and lignite | | | | | | | | | | |
| 34 | Petroleum products | | | | | | | | | 0.02325 | |
| 35 | Electricity | | | | | | | | | 0.01442 | |
| 36 | Natural gas | | | | | | | | | | |
| 37 | Lime stone | | | | | | | | | | |
| 38 | Other non metallic minerals | | | | | | | | | | |
| 39 | Sugar | | | | | | | | | | |
| 40 | Khandsari, boora | | | | | | | | | | |
| 41 | Milling of Grain and Pulses | | | | | | | | | | |
| 42 | Miscellaneous food (Incl Dairy) products | | | | | | | | | | |
| 43 | Beverages | | | | | | | | | | |
| 44 | Tobacco products | | | | | | | | | | |
| 45 | Khadi, cotton textiles(handlooms) | | | | | | | | | | |
| 46 | Cotton textiles | | | | | | | | | | |
| 47 | Readymade garments | | | | | | | | | | |
| 48 | Miscellaneous textile products | | | | | | | | | | |
| 49 | Furniture and fixtures- | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | wooden | | | | | | | | | | |
| 50 | Wood and wood products | | | | | | | | | | |
| 51 | Paper, paper prods. & newsprint | | | | | | | | | | |
| 52 | Printing and publishing | | | | | | | | | | |
| 53 | Leather footwear | | | | | | | | | | |
| 54 | Leather and leather products | | | | | | | | | | |
| 55 | Rubber products | | | | | | | | | | |
| 56 | Plastic products | | | | | | | | | | |
| 57 | Coal tar products | | | | | | | | | | |
| 58 | Inorganic heavy chemicals | | | | | | | | | | |
| 59 | Fertilizers | 0.00001 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.04249 | |
| 60 | Paints, varnishes and lacquers | | | | | | | | | | |
| 61 | Drugs and medicines | | | | | | | | | | |
| 62 | Synthetic fibers, resin | | | | | | | | | | |
| 63 | Other chemicals | | | | | | | | | | |
| 64 | Other non-metallic mineral prods. | | | | | | | | | | |
| 65 | Iron, steel and ferro alloys | | | | | | | | | | |
| 66 | Iron and steel foundries | | | | | | | | | | |
| 67 | Non-ferrous basic metals | | | | | | | | | | |
| 68 | Tractors and agri. implements | 0.00001 | 0.00001 | 0.00000 | 0.00001 | 0.00001 | 0.00000 | 0.00001 | 0.00000 | 0.01096 | 0.00000 |
| 69 | Machine tools | | | | | | | | | | |
| 70 | Other non-electrical machinery | | | | | | | | | | |
| 71 | Electrical industrial | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----|-------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | Machinery | | | | | | | | | | |
| 72 | Electrical wires & cables | | | | | | | | | | |
| 73 | Batteries | | | | | | | | | | |
| 74 | Electrical appliances | | | | | | | | | | |
| 75 | Communication equipments | | | | | | | | | | |
| 76 | Other electrical Machinery | | | | | | | | | | |
| 77 | Electronic equipments(incl.TV) | | | | | | | | | | |
| 78 | Ships and boats | | | | | | | | | | |
| 79 | Rail equipments | | | | | | | | | | |
| 80 | Motor vehicles | | | | | | | | | | |
| 81 | Motor cycles and scooters | | | | | | | | | | |
| 82 | Bicycles, cycle-rickshaw | | | | | | | | | | |
| 83 | Other transport equipments | | | | | | | | | | |
| 84 | Watches and clocks | | | | | | | | | | |
| 85 | Medical, precision&optical instru.s | | | | | | | | | | |
| 86 | Jems & jewelry | | | | | | | | | | |
| 87 | Aircraft & spacecraft | | | | | | | | | | |
| 88 | Miscellaneous manufacturing | | | | | | | | | | |
| 89 | Construction | | | | | | | | | | |
| 90 | Water supply | 0.00001 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00089 | |
| 91 | Railway transport services | | | | | | | | | | |
| 92 | Land tpt including via pipeline | | | | | | | | | | |
| 93 | Air transport | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------|------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| 94 | Supporting and aux. tpt activities | | | | | | | | | | |
| 95 | Storage and warehousing | | | | | | | | | | |
| 96 | Communication | | | | | | | | | | |
| 97 | Trade | | | | | | | | | | |
| 98 | Hotels and restaurants | | | | | | | | | | |
| 99 | Banking | | | | | | | | | | |
| 100 | Education and research | | | | | | | | | | |
| 101 | Medical and health | | | | | | | | | | |
| 102 | Business services | | | | | | | | | 0.03219 | |
| 103 | Computer & related activities | | | | | | | | | | |
| 104 | Real estate activities | | | | | | | | | | |
| 105 | O.com, social&personal services | | | | | | | | | | |
| 106 | Other services | | | | | | | | | | |
| 107 | Public administration | | | | | | | | | | |
| Total Input | | 0.00003 | 0.00003 | 0.01296 | 0.00002 | 0.00002 | 0.00001 | 0.00003 | 0.00001 | 0.24793 | 0.00000 |
| GVA | | 0.99997 | 0.99997 | 0.98704 | 0.99998 | 0.99998 | 0.99999 | 0.99997 | 0.99999 | 0.75207 | 1.00000 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | | | | | | | | | | |
| 2 | Wheat | | | | | | | | | | |
| 3 | Jowar | | | | | | | | | | |
| 4 | Bajra | | | | | | | | | | |
| 5 | Maize | | | | | | | | | | |
| 6 | Gram | | | | | | | | | | |
| 7 | Barley | | | | | | | | | | |
| 8 | Sugarcane | | | | | | | | | | |
| 9 | Groundnut | | | | | | | | | | |
| 10 | Sesamum | | | | | | | | | | |
| 11 | Rapeseed & mustard | 0.00000 | | | | | | | | | |
| 12 | Other oilseeds | | 0.09530 | | | | | | | | |
| 13 | Cotton | | | 0.00173 | | | | | | | |
| 14 | Arhar | | | | 0.00000 | | | | | | |
| 15 | Lentil | | | | | 0.00001 | | | | | |
| 16 | Urad | | | | | | 0.00001 | | | | |
| 17 | Other Pulses | | | | | | | 0.08057 | | | |
| 18 | Potato | | | | | | | | 0.00001 | | |
| 19 | Vegetables | | | | | | | | | 0.01812 | |
| 20 | Mango | | | | | | | | | | 0.00109 |
| 21 | Guava | | | | | | | | | | |
| 22 | Litchi | | | | | | | | | | |
| 23 | Gooseberry | | | | | | | | | | |
| 24 | Papaya | | | | | | | | | | |
| 25 | Other Fruits | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 26 | Tobacco | | | | | | | | | | |
| 27 | Other crops | | | | | | | | | | |
| 28 | Other Non-food crops | | | | | | | | | | |
| 29 | Milk and milk products | | | | | | | | | | |
| 30 | Other liv.st. prod. | | | | | | | | | | |
| 31 | Forestry and logging | | | | | | | | | | |
| 32 | Fishing | | | | | | | | | | |
| 33 | Coal and lignite | | | | | | | | | | |
| 34 | Petroleum products | | 0.02325 | | | | | 0.02325 | | | |
| 35 | Electricity | | 0.01442 | | | | | 0.01442 | | | |
| 36 | Natural gas | | | | | | | | | | |
| 37 | Lime stone | | | | | | | | | | |
| 38 | Other non metallic minerals | | | | | | | | | | |
| 39 | Sugar | | | | | | | | | | |
| 40 | Khandsari, boora | | | | | | | | | | |
| 41 | Milling of Grain and Pulses | | | | | | | | | | |
| 42 | Miscellaneous food (Incl Dairy) products | | | | | | | | | | |
| 43 | Beverages | | | | | | | | | | |
| 44 | Tobacco products | | | | | | | | | | |
| 45 | Khadi, cotton textiles(handlooms) | | | | | | | | | | |
| 46 | Cotton textiles | | | | | | | | | | |
| 47 | Readymade garments | | | | | | | | | | |
| 48 | Miscellaneous textile products | | | | | | | | | | |
| 49 | Furniture and fixtures-wooden | | | | | | | | | | |
| 50 | Wood and wood products | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 51 | Paper, paper prods. & newsprint | | | | | | | | | | 0.00048 |
| 52 | Printing and publishing | | | | | | | | | | |
| 53 | Leather footwear | | | | | | | | | | |
| 54 | Leather and leather products | | | | | | | | | | |
| 55 | Rubber products | | | | | | | | | | |
| 56 | Plastic products | | | | | | | | | | 0.00212 |
| 57 | Coal tar products | | | | | | | | | | |
| 58 | Inorganic heavy chemicals | | | | | | | | | | |
| 59 | Fertilizers | 0.00001 | 0.04249 | 0.17510 | 0.00000 | 0.00000 | 0.00000 | 0.04249 | 0.00000 | 0.03815 | 0.00249 |
| 60 | Paints, varnishes and lacquers | | | | | | | | | | |
| 61 | Drugs and medicines | | | | | | | | | | |
| 62 | Synthetic fibers, resin | | | | | | | | | | |
| 63 | Other chemicals | | | | | | | | | | |
| 64 | Other non-metallic mineral prods. | | | | | | | | | | |
| 65 | Iron, steel and ferro alloys | | | | | | | | | | |
| 66 | Iron and steel foundries | | | | | | | | | | |
| 67 | Non-ferrous basicmetals | | | | | | | | | | |
| 68 | Tractors and agri. Implements | 0.00002 | 0.01096 | - | 0.00000 | 0.00001 | 0.00002 | 0.01096 | 0.00000 | 0.01054 | |
| 69 | Machine tools | | | | | | | | | | |
| 70 | Other non-electrical machinery | | | | | | | | | | |
| 71 | Electrical industrial Machinery | | | | | | | | | | |
| 72 | Electrical wires & cables | | | | | | | | | | |
| 73 | Batteries | | | | | | | | | | |
| 74 | Electrical appliances | | | | | | | | | | |
| 75 | Communication equipments | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-----|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 76 | Other electrical Machinery | | | | | | | | | | |
| 77 | Electronic equipments(incl.TV) | | | | | | | | | | |
| 78 | Ships and boats | | | | | | | | | | |
| 79 | Rail equipments | | | | | | | | | | |
| 80 | Motor vehicles | | | | | | | | | | |
| 81 | Motor cycles and scooters | | | | | | | | | | |
| 82 | Bicycles, cycle-rickshaw | | | | | | | | | | |
| 83 | Other transport equipments | | | | | | | | | | |
| 84 | Watches and clocks | | | | | | | | | | |
| 85 | Medical, precision & optical instr. | | | | | | | | | | |
| 86 | Jems & jewelry | | | | | | | | | | |
| 87 | Aircraft & spacecraft | | | | | | | | | | |
| 88 | Miscellaneous manufacturing | | | | | | | | | | |
| 89 | Construction | | | | | | | | | | |
| 90 | Water supply | 0.00001 | 0.00025 | 0.17079 | 0.00000 | 0.00000 | 0.00019 | 0.00058 | 0.00012 | 0.01034 | 0.00119 |
| 91 | Railway transport services | | | | | | | | | | |
| 92 | Land transport | | | | | | | | | | |
| 93 | Air transport | | | | | | | | | | |
| 94 | Supporting and aux. tpt activities | | | | | | | | | | |
| 95 | Storage and warehousing | | | | | | | | | | |
| 96 | Communication | | | | | | | | | | |
| 97 | Trade | | | | | | | | | | |
| 98 | Hotels and restaurants | | | | | | | | | | |
| 99 | Banking | | | | | | | | | | |
| 100 | Education and research | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---------------------|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 101 | Medical and health | | | | | | | | | | |
| 102 | Business services | | 0.03219 | | | | | 0.03219 | | | |
| 103 | Computer & related activities | | | | | | | | | | |
| 104 | Real estate activities | | | | | | | | | | |
| 105 | Community, social & personal services | | | | | | | | | | |
| 106 | Other services | | | | | | | | | | |
| 107 | Public administration | | | | | | | | | | |
| Total Input | | 0.00004 | 0.21886 | 0.34762 | 0.00001 | 0.00003 | 0.00021 | 0.20446 | 0.00013 | 0.07715 | 0.00737 |
| GVA | | 0.99996 | 0.78114 | 0.65238 | 0.99999 | 0.99997 | 0.99979 | 0.79554 | 0.99987 | 0.92285 | 0.99263 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|----|--------------------|---------|---------|---------|---------|----|----|----|----|---------|----|
| 1 | Paddy | | | | | | | | | | |
| 2 | Wheat | | | | | | | | | 0.00096 | |
| 3 | Jowar | | | | | | | | | | |
| 4 | Bajra | | | | | | | | | 0.00038 | |
| 5 | Maize | | | | | | | | | 0.00008 | |
| 6 | Gram | | | | | | | | | 0.00363 | |
| 7 | Barley | | | | | | | | | | |
| 8 | Sugarcane | | | | | | | | | 0.00338 | |
| 9 | Groundnut | | | | | | | | | | |
| 10 | Sesamum | | | | | | | | | | |
| 11 | Rapeseed & mustard | | | | | | | | | | |
| 12 | Other oilseeds | | | | | | | | | | |
| 13 | Cotton | | | | | | | | | | |
| 14 | Arhar | | | | | | | | | | |
| 15 | Lentil | | | | | | | | | | |
| 16 | Urad | | | | | | | | | | |
| 17 | Other Pulses | | | | | | | | | 0.00623 | |
| 18 | Potato | | | | | | | | | | |
| 19 | Vegetables | | | | | | | | | | |
| 20 | Mango | | | | | | | | | | |
| 21 | Guava | 0.00034 | | | | | | | | | |
| 22 | Litchi | | 0.00307 | | | | | | | | |
| 23 | Gooseberry | | | 0.00625 | | | | | | | |
| 24 | Papaya | | | | 0.07509 | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|----|--|----|----|----|----|---------|---------|---------|---------|---------|---------|
| 25 | Other Fruits | | | | | 0.02477 | | | | | |
| 26 | Tobacco | | | | | | 0.00231 | | | | |
| 27 | Other crops | | | | | | | 0.03085 | | 0.09566 | 0.47656 |
| 28 | Other Non-food crops | | | | | | | | 0.01160 | | |
| 29 | Milk and milk products | | | | | | | | | 0.00058 | |
| 30 | Other liv.st. prod. | | | | | | 0.00325 | | 0.03811 | 0.00028 | |
| 31 | Forestry and logging | | | | | | | | | 0.00042 | |
| 32 | Fishing | | | | | | | | | | |
| 33 | Coal and lignite | | | | | | | | | | |
| 34 | Petroleum products | | | | | | 0.00787 | 0.03164 | 0.02325 | | |
| 35 | Electricity | | | | | | 0.02871 | 0.01332 | 0.01442 | | |
| 36 | Natural gas | | | | | | | | | | |
| 37 | Lime stone | | | | | | | | | | |
| 38 | Other non metallic minerals | | | | | | | | | | |
| 39 | Sugar | | | | | | | | | | |
| 40 | Khandsari, boora | | | | | | | | | | |
| 41 | Milling of Grain and Pulses | | | | | | | | | | |
| 42 | Miscellaneous food (Incl Dairy) products | | | | | | | | | 0.00202 | 0.02508 |
| 43 | Beverages | | | | | | | | | | |
| 44 | Tobacco products | | | | | | | | | | |
| 45 | Khadi, cotton textiles(handlooms) | | | | | | | | | | |
| 46 | Cotton textiles | | | | | | | | | 0.00962 | |
| 47 | Readymade garments | | | | | | | | | | |
| 48 | Miscellaneous textile products | | | | | | | | | | |
| 49 | Furniture and fixtures-wooden | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|----|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 50 | Wood and wood products | | | | | | | | | | |
| 51 | Paper, paper prods. & newsprint | 0.00102 | 0.00324 | 0.00411 | 0.00454 | 0.00116 | | | | | |
| 52 | Printing and publishing | | | | | | | | | | |
| 53 | Leather footwear | | | | | | | | | | |
| 54 | Leather and leather products | | | | | | | | | | |
| 55 | Rubber products | | | | | | | | | | |
| 56 | Plastic products | 0.00789 | 0.01594 | 0.02337 | 0.00380 | 0.00539 | | | | | |
| 57 | Coal tar products | | | | | | | | | | |
| 58 | Inorganic heavy chemicals | | | | | | | | | | |
| 59 | Fertilizers | 0.00355 | 0.01224 | 0.01963 | 0.00430 | 0.00446 | 0.11463 | 0.06618 | 0.04249 | | |
| 60 | Paints, varnishes and lacquers | | | | | | | | | | |
| 61 | Drugs and medicines | | | | | | | | | 0.00128 | 0.00009 |
| 62 | Synthetic fibers, resin | | | | | | | | | | |
| 63 | Other chemicals | | | | | | | | | | |
| 64 | Other non-metallic mineral prods. | | | | | | | | | | |
| 65 | Iron, steel and ferro alloys | | | | | | | | | | |
| 66 | Iron and steel foundries | | | | | | | | | | |
| 67 | Non-ferrous basicmetals | | | | | | | | | | |
| 68 | Tractors and agri. Implements | | | | | | 0.00102 | 0.00717 | 0.01096 | 0.00009 | |
| 69 | Machine tools | | | | | | | | | | |
| 70 | Other non-electrical machinery | | | | | | | | | | 0.00810 |
| 71 | Electrical industrial Machinery | | | | | | | | | | |
| 72 | Electrical wires & cables | | | | | | | | | | |
| 73 | Batteries | | | | | | | | | | |
| 74 | Electrical appliances | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|----|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----|
| 75 | Communication equipments | | | | | | | | | | |
| 76 | Other electrical Machinery | | | | | | | | | | |
| 77 | Electronic equipments(incl.TV) | | | | | | | | | | |
| 78 | Ships and boats | | | | | | | | | | |
| 79 | Rail equipments | | | | | | | | | | |
| 80 | Motor vehicles | | | | | | | | | | |
| 81 | Motor cycles and scooters | | | | | | | | | | |
| 82 | Bicycles, cycle-rickshaw | | | | | | | | | | |
| 83 | Other transport equipments | | | | | | | | | | |
| 84 | Watches and clocks | | | | | | | | | | |
| 85 | Medical, precision & optical instr. | | | | | | | | | | |
| 86 | Jems & jewelry | | | | | | | | | | |
| 87 | Aircraft & spacecraft | | | | | | | | | | |
| 88 | Miscellaneous manufacturing | | | | | | | | | | |
| 89 | Construction | | | | | | | | | 0.00013 | |
| 90 | Water supply | 0.00536 | 0.00644 | 0.01311 | 0.00291 | 0.00290 | 0.00025 | 0.00007 | 0.00025 | | |
| 91 | Railway transport services | | | | | | | | | 0.00041 | |
| 92 | Land transport | | | | | | | | | 0.01230 | |
| 93 | Air transport | | | | | | | | | 0.00022 | |
| 94 | Supporting and aux. tpt activities | | | | | | | | | 0.00137 | |
| 95 | Storage and warehousing | | | | | | | | | - | |
| 96 | Communication | | | | | | | | | - | |
| 97 | Trade | | | | | | 0.04917 | | | 0.06979 | |
| 98 | Hotels and restaurants | | | | | | | | | - | |
| 99 | Banking | | | | | | | | | 0.00152 | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---------------------|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 100 | Education and research | | | | | | | | | | |
| 101 | Medical and health | | | | | | | | | | |
| 102 | Business services | | | | | | | 0.00012 | 0.03219 | | |
| 103 | Computer & related activities | | | | | | | | | | |
| 104 | Real estate activities | | | | | | | | | | |
| 105 | Community, social & personal services | | | | | | | | | | |
| 106 | Other services | | | | | | | | | | |
| 107 | Public administration | | | | | | | | | | |
| Total Input | | 0.01815 | 0.04094 | 0.06648 | 0.09063 | 0.03868 | 0.20721 | 0.14935 | 0.17328 | 0.21034 | 0.50983 |
| GVA | | 0.98185 | 0.95906 | 0.93352 | 0.90937 | 0.96132 | 0.79279 | 0.85065 | 0.82672 | 0.78966 | 0.49017 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|----|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | | | | | | | | | | |
| 2 | Wheat | | | | | | | | | | |
| 3 | Jowar | | | | | | | | | | |
| 4 | Bajra | | | | | | | | | | |
| 5 | Maize | | | | | | | | | | |
| 6 | Gram | | | | | | | | | | |
| 7 | Barley | | | | | | | | | | |
| 8 | Sugarcane | | | | | 0.00004 | | | | 0.74171 | 0.84816 |
| 9 | Groundnut | | | | | | | | | | |
| 10 | Sesamum | | | | | | | | | | |
| 11 | Rapeseed & mustard | | | | | | | | | | |
| 12 | Other oilseeds | | | | | | | | | | |
| 13 | Cotton | | | | | | | | | | |
| 14 | Arhar | | | | | | | | | | |
| 15 | Lentil | | | | | | | | | | |
| 16 | Urad | | | | | | | | | | |
| 17 | Other Pulses | | | | | | | | | | |
| 18 | Potato | | | | | | | | | | |
| 19 | Vegetables | | | | | | | | | | |
| 20 | Mango | | | | | | | | | | |
| 21 | Guava | | | | | | | | | | |
| 22 | Litchi | | | | | | | | | | |
| 23 | Gooseberry | | | | | | | | | | |
| 24 | Papaya | | | | | | | | | | |
| 25 | Other Fruits | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|----|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 26 | Tobacco | | | | | | | | | | |
| 27 | Other crops | | | | | | | | | | |
| 28 | Other Non-food crops | | | | | | | | | | |
| 29 | Milk and milk products | | | | | | | | | | |
| 30 | Other liv.st. prod. | | | | | 0.00000 | | | | | |
| 31 | Forestry and logging | 0.05804 | | | | 0.00001 | | | | | |
| 32 | Fishing | | 0.09000 | | | 0.00000 | | | | | |
| 33 | Coal and lignite | | | 0.00357 | 0.00508 | 0.08485 | | | | 0.01257 | 0.00233 |
| 34 | Petroleum products | 0.08818 | 0.01363 | 0.00399 | 0.41248 | 0.07520 | 0.00188 | 0.01230 | 0.00036 | 0.00557 | 0.02828 |
| 35 | Electricity | 0.00591 | | 0.00541 | 0.01269 | 0.16056 | 0.00339 | 0.01292 | 0.00028 | 0.00107 | 0.01120 |
| 36 | Natural gas | | | | 0.31469 | 0.02218 | 0.00016 | | | 0.00003 | |
| 37 | Lime stone | | | | | | | | | | |
| 38 | Other non metallic minerals | | | | | 0.00003 | | | | | |
| 39 | Sugar | | | | | | | | | 0.04617 | |
| 40 | Khandsari, boora | | | | | | | | | | 0.01853 |
| 41 | Milling of Grain and Pulses | | | | | | | | | | |
| 42 | Miscellaneous food (Incl Dairy) products | | | | | 0.00016 | | | | | |
| 43 | Beverages | | | | | | | | | | |
| 44 | Tobacco products | | | | | | | | | | |
| 45 | Khadi, cotton textiles(handlooms) | | | | | 0.00000 | | | | | |
| 46 | Cotton textiles | | | | | 0.00000 | | | | | |
| 47 | Readymade garments | | | 0.00012 | | 0.00186 | 0.00022 | 0.00015 | 0.00000 | | |
| 48 | Miscellaneous textile products | | 0.02659 | - | | 0.00000 | | | | | |
| 49 | Furniture and fixtures-wooden | | | 0.00010 | | 0.00192 | 0.00017 | | 0.00000 | | |
| 50 | Wood and wood products | | 0.00057 | 0.00061 | | 0.00003 | 0.00021 | | 0.00001 | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|----|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 51 | Paper, paper prods. & newsprint | | | 0.00013 | | 0.00114 | 0.00004 | 0.00013 | 0.00000 | 0.01894 | |
| 52 | Printing and publishing | | | 0.00006 | | 0.00128 | 0.00003 | 0.00019 | 0.00000 | | |
| 53 | Leather footwear | | | | | | | | | | |
| 54 | Leather and leather products | | | | | 0.00002 | | | | | |
| 55 | Rubber products | | | 0.00053 | | 0.00017 | 0.00046 | 0.00353 | 0.00004 | | |
| 56 | Plastic products | | | | 0.00001 | 0.00000 | | | 0.00000 | 0.00838 | 0.01234 |
| 57 | Coal tar products | | | | 0.03869 | 0.00259 | | | | | |
| 58 | Inorganic heavy chemicals | | | | | 0.00006 | | | 0.00000 | 0.00857 | 0.01310 |
| 59 | Fertilizers | 0.00185 | | | | | | | | | |
| 60 | Paints, varnishes and lacquers | | | | | 0.00000 | | | | | |
| 61 | Drugs and medicines | | | | | 0.00000 | | | | | |
| 62 | Synthetic fibers, resin | | | | | | | | | | |
| 63 | Other chemicals | | 0.00107 | 0.00471 | 0.02858 | 0.00467 | 0.00368 | 0.01863 | 0.00095 | 0.00027 | 0.00182 |
| 64 | Other non-metallic mineral prods. | | | | | 0.00000 | 0.00029 | | | | |
| 65 | Iron, steel and ferro alloys | | | | | 0.00000 | | | 0.00000 | | |
| 66 | Iron and steel foundries | | | | | 0.00000 | | | 0.00000 | | |
| 67 | Non-ferrous basicmetals | | | | | 0.00001 | | | | | |
| 68 | Tractors and agri. Implements | 0.01687 | | | | | | | | | |
| 69 | Machine tools | | | 0.00096 | | 0.00001 | 0.00034 | | | | |
| 70 | Other non-electrical machinery | 0.00505 | | 0.00290 | | 0.01151 | 0.00534 | 0.01863 | 0.00034 | | |
| 71 | Electrical industrial Machinery | | | | | 0.02542 | | | | | |
| 72 | Electrical wires & cables | | | | | 0.00002 | | | | | |
| 73 | Batteries | | | | | 0.00006 | | 0.00000 | 0.00000 | | |
| 74 | Electrical appliances | | | 0.00000 | | 0.00010 | 0.00000 | 0.00001 | 0.00000 | | |
| 75 | Communication equipments | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|-----|-------------------------------------|---------|---------|---------|----|---------|---------|---------|---------|----|----|
| 76 | Other electrical Machinery | | | | | 0.01337 | | | | | |
| 77 | Electronic equipments(incl.TV) | | | 0.00004 | | 0.00066 | 0.00006 | 0.00000 | | | |
| 78 | Ships and boats | | 0.03333 | | | 0.00030 | | | | | |
| 79 | Rail equipments | | | | | | | | | | |
| 80 | Motor vehicles | | | 0.00197 | | 0.00458 | 0.00076 | 0.00059 | 0.00002 | | |
| 81 | Motor cycles and scooters | | | | | 0.00012 | | 0.00000 | 0.00000 | | |
| 82 | Bicycles, cycle-rickshaw | | | | | 0.00003 | | 0.00001 | 0.00000 | | |
| 83 | Other transport equipments | | | | | 0.00000 | | | | | |
| 84 | Watches and clocks | | | | | | | | | | |
| 85 | Medical, precision & optical instr. | | | | | | | | | | |
| 86 | Jems & jewelry | | | | | 0.00000 | | | | | |
| 87 | Aircraft & spacecraft | | | | | | | | | | |
| 88 | Miscellaneous manufacturing | | | 0.00002 | | 0.00600 | 0.00009 | 0.00003 | 0.00000 | | |
| 89 | Construction | | | 0.00053 | | 0.01658 | 0.00305 | 0.01288 | 0.00024 | | |
| 90 | Water supply | 0.00039 | | 0.00004 | | 0.00093 | 0.00013 | 0.00006 | 0.00000 | | |
| 91 | Railway transport services | | 0.00021 | 0.00157 | | 0.01209 | 0.00130 | 0.00143 | 0.00020 | | |
| 92 | Land transport | | 0.01005 | 0.00544 | | 0.01668 | 0.00253 | 0.00817 | 0.00038 | | |
| 93 | Air transport | | 0.00000 | 0.00010 | | 0.00039 | 0.00016 | 0.00008 | 0.00000 | | |
| 94 | Supporting and aux. tpt activities | | 0.00096 | 0.00054 | | 0.00164 | 0.00081 | 0.00032 | 0.00001 | | |
| 95 | Storage and warehousing | | | 0.00003 | | | 0.00016 | | | | |
| 96 | Communication | | | 0.00026 | | 0.00724 | 0.00018 | 0.00081 | 0.00003 | | |
| 97 | Trade | | 0.01573 | 0.00322 | | 0.05352 | 0.00142 | 0.00490 | 0.00015 | | |
| 98 | Hotels and restaurants | | | 0.00022 | | 0.00552 | 0.00037 | 0.00074 | 0.00023 | | |
| 99 | Banking | | | 0.00280 | | 0.04253 | 0.00167 | 0.00577 | 0.00043 | | |
| 100 | Education and research | | | 0.00334 | | | 0.00041 | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|---------------------|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 101 | Medical and health | | | - | | | | | | | |
| 102 | Business services | 0.01108 | | 0.00068 | | 0.00023 | 0.00066 | 0.00002 | 0.00000 | | |
| 103 | Computer & related activities | | | 0.00001 | | 0.00014 | 0.00001 | 0.00004 | 0.00000 | | |
| 104 | Real estate activities | | | - | | | | | | | |
| 105 | Community, social & personal services | | | 0.00000 | | 0.00229 | 0.00000 | 0.00003 | 0.00000 | | |
| 106 | Other services | | | 0.00066 | | 0.00012 | 0.00141 | 0.00535 | 0.00017 | | |
| 107 | Public administration | | | | | 0.06986 | | | | | |
| Total Input | | 0.18737 | 0.19213 | 0.25562 | 0.81222 | 0.64874 | 0.15572 | 0.24205 | 0.12392 | 0.82433 | 0.92266 |
| GVA | | 0.81263 | 0.80787 | 0.74438 | 0.18778 | 0.35126 | 0.84428 | 0.75795 | 0.87608 | 0.17567 | 0.07734 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|----|--------------------|---------|---------|---------|---------|----|---------|---------|---------|----|---------|
| 1 | Paddy | 0.39820 | 0.00131 | | | | | | | | |
| 2 | Wheat | 0.21657 | 0.00031 | | | | | | | | |
| 3 | Jowar | | 0.00005 | | | | | | | | |
| 4 | Bajra | | | | | | | | | | |
| 5 | Maize | 0.00064 | 0.00471 | 0.00170 | | | | | | | |
| 6 | Gram | 0.00169 | 0.00142 | | | | | | | | |
| 7 | Barley | | 0.00044 | 0.00006 | | | | | | | |
| 8 | Sugarcane | | 0.27424 | | | | | | | | |
| 9 | Groundnut | 0.00058 | 0.00026 | | | | | | | | |
| 10 | Sesamum | | | | | | | | | | |
| 11 | Rapeseed & mustard | 0.00003 | 0.01683 | | | | | | | | |
| 12 | Other oilseeds | 0.00119 | 0.00670 | | 0.00634 | | | | | | |
| 13 | Cotton | | | | | | 0.03685 | | | | |
| 14 | Arhar | 0.00290 | 0.00001 | | | | | | | | |
| 15 | Lentil | 0.03792 | 0.00000 | | | | | | | | |
| 16 | Urad | 0.00744 | 0.00071 | | | | | | | | |
| 17 | Other Pulses | 0.00481 | 0.00402 | | | | | | | | |
| 18 | Potato | 0.00151 | 0.00062 | | | | | | 0.00965 | | 0.00736 |
| 19 | Vegetables | 0.00040 | 0.00058 | | 0.00021 | | | 0.00000 | | | |
| 20 | Mango | | 0.00006 | | | | | | | | |
| 21 | Guava | | | | | | | | | | |
| 22 | Litchi | 0.00032 | 0.00003 | | | | | | | | |
| 23 | Gooseberry | | | | | | | | | | |
| 24 | Papaya | | 0.00001 | | | | | | | | |
| 25 | Other Fruits | | 0.00149 | 0.00003 | 0.01938 | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|----|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 26 | Tobacco | | | | 0.09109 | | | | | | |
| 27 | Other crops | 0.01489 | 0.00681 | 0.00244 | 0.04311 | | | | 0.00001 | | 0.00001 |
| 28 | Other Non-food crops | | | | | | | | | | |
| 29 | Milk and milk products | 0.00173 | 0.17351 | 0.01467 | | | | | | | |
| 30 | Other liv.st. prod. | 0.00003 | 0.15147 | 0.00012 | | | | | 0.00024 | | 0.00019 |
| 31 | Forestry and logging | 0.01609 | 0.02009 | | 0.08943 | | | | 0.03195 | 0.02781 | 0.02436 |
| 32 | Fishing | | | | | | | | | | |
| 33 | Coal and lignite | 0.00188 | 0.00589 | 0.02452 | 0.00255 | | | 0.01859 | 0.03012 | | 0.02296 |
| 34 | Petroleum products | 0.00374 | 0.01360 | 0.03260 | 0.00231 | | 0.00253 | 0.00889 | 0.01640 | 0.00313 | 0.01250 |
| 35 | Electricity | 0.02703 | 0.01492 | 0.04192 | 0.00668 | 0.00667 | 0.00934 | 0.02030 | 0.03210 | 0.00354 | 0.02448 |
| 36 | Natural gas | 0.00271 | 0.00050 | 0.00009 | | | | | | | |
| 37 | Lime stone | | 0.00004 | | 0.00000 | | | | | | |
| 38 | Other non metallic minerals | | 0.00020 | 0.00007 | | | | | 0.00061 | 0.00037 | 0.00046 |
| 39 | Sugar | 0.00169 | 0.01160 | 0.23395 | 0.00016 | | | | 0.00668 | | 0.00509 |
| 40 | Khandsari, boora | 0.00223 | 0.00118 | 0.00011 | | | | | - | | |
| 41 | Milling of Grain and Pulses | 0.10293 | 0.01617 | 0.01915 | 0.00001 | | | | 0.00061 | | 0.00047 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.03224 | 0.03596 | 0.09541 | 0.01772 | | | | 0.00127 | | 0.00097 |
| 43 | Beverages | | | 0.04636 | 0.03820 | | | | | | |
| 44 | Tobacco products | | | | 0.01963 | | | | | | |
| 45 | Khadi, cotton textiles(handlooms) | | | 0.00003 | | | | 0.00242 | 0.00001 | 0.00007 | 0.00001 |
| 46 | Cotton textiles | 0.00003 | 0.00035 | 0.00179 | 0.00010 | 0.00244 | 0.41979 | 0.07697 | 0.00445 | 0.00036 | 0.00339 |
| 47 | Readymade garments | | | | | | | 0.08818 | - | 0.00016 | |
| 48 | Miscellaneous textile products | 0.00002 | | | 0.00000 | 0.01819 | 0.00495 | 0.13322 | 0.02155 | 0.00454 | 0.01643 |
| 49 | Furniture and fixtures-wooden | | 0.00013 | | | | | | 0.00156 | 0.00911 | 0.00119 |
| 50 | Wood and wood products | | 0.00002 | 0.00216 | 0.01383 | | | 0.00002 | 0.14392 | 0.00887 | 0.10974 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|----|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 51 | Paper, paper prods. & newsprint | | 0.00030 | 0.00051 | 0.02599 | | | 0.00922 | 0.04307 | 0.00082 | 0.03284 |
| 52 | Printing and publishing | 0.00001 | | 0.00001 | 0.00199 | | 0.03077 | 0.00278 | 0.00011 | | 0.00009 |
| 53 | Leather footwear | | | | | | | 0.00078 | | | |
| 54 | Leather and leather products | | 0.00010 | | | | | 0.00644 | 0.00103 | 0.00057 | 0.00079 |
| 55 | Rubber products | | 0.00082 | | 0.00033 | | | 0.00028 | 0.00564 | 0.00340 | 0.00430 |
| 56 | Plastic products | 0.01144 | 0.02618 | 0.17243 | 0.05148 | | 0.00046 | 0.02605 | 0.04306 | 0.00549 | 0.03284 |
| 57 | Coal tar products | | 0.00041 | 0.00232 | | | | | 0.00001 | | 0.00001 |
| 58 | Inorganic heavy chemicals | | 0.00018 | 0.00554 | | | | 0.00006 | 0.01866 | 0.00166 | 0.01423 |
| 59 | Fertilizers | | 0.00024 | | | | | | 0.00276 | | 0.00210 |
| 60 | Paints, varnishes and lacquers | | | 0.00004 | | | 0.07738 | 0.00085 | 0.03305 | 0.00191 | 0.02520 |
| 61 | Drugs and medicines | 0.00038 | 0.00074 | | 0.00009 | | | | | | |
| 62 | Synthetic fibers, resin | 0.00005 | 0.00004 | 0.00510 | 0.00001 | | | 0.00023 | 0.11112 | 0.00023 | 0.08473 |
| 63 | Other chemicals | 0.00013 | 0.00311 | 0.01829 | 0.00377 | | 0.00034 | 0.00134 | 0.06776 | 0.00029 | 0.05167 |
| 64 | Other non-metallic mineral prods. | | 0.00001 | | | | | 0.00003 | 0.00574 | 0.00035 | 0.00438 |
| 65 | Iron, steel and ferro alloys | | 0.00000 | | | | | | 0.00064 | 0.00115 | 0.00049 |
| 66 | Iron and steel foundries | 0.00097 | 0.00000 | | 0.00001 | | | 0.00000 | 0.04995 | 0.00419 | 0.03809 |
| 67 | Non-ferrous basicmetals | | 0.00011 | | | | 0.01174 | 0.00094 | 0.00983 | 0.00279 | 0.00749 |
| 68 | Tractors and agri. Implements | 0.00001 | | | | | | | | | |
| 69 | Machine tools | | | | | | | | 0.00296 | 0.00101 | 0.00225 |
| 70 | Other non-electrical machinery | | | | | | 0.02051 | | 0.00007 | 0.00047 | 0.00005 |
| 71 | Electrical industrial Machinery | | | | | | | | | | |
| 72 | Electrical wires & cables | | | | | | | | | | |
| 73 | Batteries | | | | | 0.00046 | | | | | |
| 74 | Electrical appliances | | | | | | | | 0.00074 | | 0.00056 |
| 75 | Communication equipments | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|-----|-------------------------------------|----|---------|---------|---------|----|----|---------|---------|---------|---------|
| 76 | Other electrical Machinery | | | | | | | 0.00068 | 0.00138 | 0.00052 | 0.00105 |
| 77 | Electronic equipments(incl.TV) | | | | | | | | | | |
| 78 | Ships and boats | | | | | | | | | | |
| 79 | Rail equipments | | | | | | | | | | |
| 80 | Motor vehicles | | | | | | | | 0.00012 | 0.00014 | 0.00009 |
| 81 | Motor cycles and scooters | | | | | | | | | | |
| 82 | Bicycles, cycle-rickshaw | | | | | | | | | | |
| 83 | Other transport equipments | | | | | | | | | | |
| 84 | Watches and clocks | | | | | | | | | | |
| 85 | Medical, precision & optical instr. | | | | | | | | | | |
| 86 | Jems & jewelry | | | | | | | | 0.00171 | | 0.00130 |
| 87 | Aircraft & spacecraft | | | | | | | | | | |
| 88 | Miscellaneous manufacturing | | 0.00002 | | | | | | 0.00287 | | 0.00219 |
| 89 | Construction | | | | | | | | | 0.00145 | |
| 90 | Water supply | | 0.00007 | 0.00244 | 0.00000 | | | | | | |
| 91 | Railway transport services | | | | | | | | | 0.00045 | |
| 92 | Land transport | | | | | | | | | 0.00396 | |
| 93 | Air transport | | | | | | | | | 0.00196 | |
| 94 | Supporting and aux. tpt activities | | | | | | | | | 0.00079 | |
| 95 | Storage and warehousing | | | | | | | | | | |
| 96 | Communication | | | | | | | | | 0.00067 | |
| 97 | Trade | | | | | | | | | 0.02359 | |
| 98 | Hotels and restaurants | | | | | | | | | | |
| 99 | Banking | | | | | | | | | 0.01415 | |
| 100 | Education and research | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|---------------------|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 101 | Medical and health | | | | | | | | | | |
| 102 | Business services | | | | | | | | | 0.01673 | |
| 103 | Computer & related activities | | | | | | | | | | |
| 104 | Real estate activities | | | | | | | | | | |
| 105 | Community, social & personal services | | | | | | | | | | |
| 106 | Other services | | | | | | | | | | |
| 107 | Public administration | | 0.03687 | | | | | 0.00555 | | 0.42941 | |
| Total Input | | 0.89443 | 0.83543 | 0.72384 | 0.43441 | 0.02776 | 0.61466 | 0.40382 | 0.70340 | 0.57613 | 0.53635 |
| GVA | | 0.10557 | 0.16457 | 0.27616 | 0.56559 | 0.97224 | 0.38534 | 0.59618 | 0.29660 | 0.42387 | 0.46365 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|----|--------------------|---------|----|----|----|----|----|----|---------|---------|----|
| 1 | Paddy | | | | | | | | | | |
| 2 | Wheat | | | | | | | | | | |
| 3 | Jowar | | | | | | | | | | |
| 4 | Bajra | | | | | | | | | | |
| 5 | Maize | | | | | | | | | | |
| 6 | Gram | | | | | | | | | | |
| 7 | Barley | | | | | | | | | | |
| 8 | Sugarcane | | | | | | | | | | |
| 9 | Groundnut | | | | | | | | | | |
| 10 | Sesamum | | | | | | | | | | |
| 11 | Rapeseed & mustard | | | | | | | | | | |
| 12 | Other oilseeds | | | | | | | | 0.00001 | 0.00018 | |
| 13 | Cotton | | | | | | | | | | |
| 14 | Arhar | | | | | | | | | | |
| 15 | Lentil | | | | | | | | | | |
| 16 | Urad | | | | | | | | | | |
| 17 | Other Pulses | | | | | | | | | | |
| 18 | Potato | | | | | | | | | | |
| 19 | Vegetables | | | | | | | | | | |
| 20 | Mango | | | | | | | | | | |
| 21 | Guava | | | | | | | | | | |
| 22 | Litchi | | | | | | | | | | |
| 23 | Gooseberry | | | | | | | | | | |
| 24 | Papaya | | | | | | | | | | |
| 25 | Other Fruits | 0.00010 | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|----|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 26 | Tobacco | | | | | | | | | | |
| 27 | Other crops | 0.03023 | | | | | | | 0.00237 | 0.00012 | |
| 28 | Other Non-food crops | | | | | | | | | | |
| 29 | Milk and milk products | | | | | | | | | | |
| 30 | Other liv.st. prod. | | - | 0.02502 | 0.20655 | | 0.00000 | | | 0.00136 | 0.00000 |
| 31 | Forestry and logging | 0.00621 | 0.00005 | 0.00337 | | 0.10666 | 0.00350 | | 0.00002 | 0.00171 | |
| 32 | Fishing | | | | | | | | | | |
| 33 | Coal and lignite | 0.06092 | 0.02530 | 0.02235 | 0.01943 | 0.01703 | 0.01569 | 0.01537 | 0.01731 | 0.04883 | |
| 34 | Petroleum products | 0.06917 | 0.00973 | 0.00998 | 0.00868 | 0.01273 | 0.02301 | 0.00061 | 0.41185 | 0.22806 | 0.00165 |
| 35 | Electricity | 0.04475 | 0.02756 | 0.02569 | 0.01633 | 0.03236 | 0.04861 | 0.00018 | 0.02241 | 0.04941 | 0.00890 |
| 36 | Natural gas | | | | | | | | 0.17910 | 0.24877 | - |
| 37 | Lime stone | 0.00001 | | | | | | | | 0.00036 | 0.00018 |
| 38 | Other non metallic minerals | 0.00035 | | | 0.00309 | 0.00999 | 0.00210 | | 0.06206 | 0.00896 | |
| 39 | Sugar | 0.01592 | | | | | | | 0.00000 | 0.00649 | |
| 40 | Khandsari, boora | | | | | | | | | | |
| 41 | Milling of Grain and Pulses | 0.00497 | | | | | | | 0.00001 | | |
| 42 | Miscellaneous food (Incl Dairy) products | 0.00036 | | | 0.00248 | | 0.00002 | | | 0.00540 | 0.00098 |
| 43 | Beverages | 0.00000 | 0.00000 | | | 0.00001 | | | | 0.00383 | |
| 44 | Tobacco products | | | | | | | | | 0.00000 | |
| 45 | Khadi, cotton textiles(handlooms) | | 0.00012 | | 0.00172 | 0.00048 | | | | 0.00016 | |
| 46 | Cotton textiles | 0.00166 | 0.00632 | 0.02029 | 0.01119 | 0.00008 | 0.00010 | | 0.00001 | 0.00173 | |
| 47 | Readymade garments | | | 0.00211 | 0.00034 | | | | | | |
| 48 | Miscellaneous textile products | 0.00002 | 0.00188 | 0.03027 | 0.02565 | 0.02418 | 0.00216 | | | 0.00023 | |
| 49 | Furniture and fixtures-wooden | | | | | 0.00020 | 0.00000 | | | 0.00029 | |
| 50 | Wood and wood products | 0.00166 | 0.00055 | 0.00000 | 0.00018 | 0.00133 | 0.00081 | | | 0.00010 | 0.00748 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|----|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 51 | Paper, paper prods. & newsprint | 0.32219 | 0.46002 | 0.00008 | 0.00000 | 0.00847 | 0.01115 | | | | |
| 52 | Printing and publishing | 0.00815 | 0.00190 | 0.00070 | 0.00002 | | 0.00148 | | | | |
| 53 | Leather footwear | | | 0.13421 | 0.01338 | | | | | | |
| 54 | Leather and leather products | 0.00006 | 0.00258 | 0.34205 | 0.18698 | 0.00018 | 0.00769 | | | 0.00181 | |
| 55 | Rubber products | 0.00022 | | 0.02287 | 0.00039 | 0.05935 | 0.00664 | | 0.00025 | 0.00011 | |
| 56 | Plastic products | 0.02791 | 0.02652 | 0.06156 | 0.01287 | 0.06628 | 0.33467 | 0.00001 | 0.00362 | 0.02882 | 0.01783 |
| 57 | Coal tar products | 0.00044 | 0.00062 | 0.00075 | 0.00150 | | 0.03367 | | 0.00390 | 0.00633 | |
| 58 | Inorganic heavy chemicals | 0.00012 | 0.00001 | 0.00059 | 0.00615 | 0.05591 | 0.00626 | | 0.00003 | 0.01964 | 0.01951 |
| 59 | Fertilizers | 0.00001 | 0.00419 | 0.00028 | 0.00005 | | 0.01932 | | | 0.00260 | |
| 60 | Paints, varnishes and lacquers | 0.00371 | 0.00415 | 0.01209 | 0.00059 | 0.00209 | 0.01429 | | 0.00052 | 0.00537 | 0.18572 |
| 61 | Drugs and medicines | 0.00000 | | | | | 0.00014 | | | 0.00003 | |
| 62 | Synthetic fibers, resin | 0.00427 | 0.00141 | 0.01080 | 0.00036 | 0.08039 | 0.07743 | | | 0.00285 | 0.02162 |
| 63 | Other chemicals | 0.10964 | 0.01410 | 0.05580 | 0.13460 | 0.03775 | 0.11105 | | 0.03054 | 0.04008 | 0.26655 |
| 64 | Other non-metallic mineral prods. | | | 0.00005 | | 0.00007 | 0.00078 | | 0.03737 | 0.15821 | |
| 65 | Iron, steel and ferro alloys | | | | | 0.00121 | 0.00001 | | | 0.00001 | |
| 66 | Iron and steel foundries | 0.00105 | 0.00733 | 0.00053 | 0.00051 | 0.01029 | 0.00965 | | | 0.00050 | |
| 67 | Non-ferrous basicmetals | 0.00699 | 0.00064 | 0.00017 | | 0.00049 | 0.00080 | | | 0.00267 | |
| 68 | Tractors and agri. Implements | | | | | | | | | | |
| 69 | Machine tools | | 0.00001 | | | | | | | | |
| 70 | Other non-electrical machinery | | 0.00195 | 0.00051 | | 0.00004 | 0.00098 | | | 0.00006 | |
| 71 | Electrical industrial Machinery | 0.00002 | | | | | 0.00169 | | | 0.00032 | |
| 72 | Electrical wires & cables | | | | | | | | | | |
| 73 | Batteries | | | | | | | | | | |
| 74 | Electrical appliances | | | | | 0.00063 | | | | | |
| 75 | Communication equipments | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|-----|-------------------------------------|---------|---------|---------|---------|---------|---------|----|----|---------|----|
| 76 | Other electrical Machinery | | | | | 0.00420 | 0.00205 | | | | |
| 77 | Electronic equipments(incl.TV) | | 0.00019 | | | | 0.00023 | | | | |
| 78 | Ships and boats | | | | | | | | | | |
| 79 | Rail equipments | | | | | | | | | | |
| 80 | Motor vehicles | | | | | | | | | 0.00114 | |
| 81 | Motor cycles and scooters | | | | | | | | | | |
| 82 | Bicycles, cycle-rickshaw | | | | | | | | | | |
| 83 | Other transport equipments | | | | | | | | | | |
| 84 | Watches and clocks | | | | | | | | | | |
| 85 | Medical, precision & optical instr. | | | | | | | | | | |
| 86 | Jems & jewelry | | | | 0.00052 | | | | | | |
| 87 | Aircraft & spacecraft | | | | | | | | | | |
| 88 | Miscellaneous manufacturing | 0.00396 | 0.06462 | 0.00008 | 0.00124 | 0.00014 | 0.01328 | | | 0.00000 | |
| 89 | Construction | | | | | | | | | | |
| 90 | Water supply | | | | | | | | | | |
| 91 | Railway transport services | | | | | | | | | | |
| 92 | Land transport | | | | | | | | | | |
| 93 | Air transport | | | | | | | | | | |
| 94 | Supporting and aux. tpt activities | | | | | | | | | | |
| 95 | Storage and warehousing | | | | | | | | | | |
| 96 | Communication | | | | | | | | | | |
| 97 | Trade | | | | | | | | | | |
| 98 | Hotels and restaurants | | | | | | | | | | |
| 99 | Banking | | | | | | | | | | |
| 100 | Education and research | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|---------------------|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 101 | Medical and health | | | | | | | | | | |
| 102 | Business services | | | | | | | | | | |
| 103 | Computer & related activities | | | | | | | | | | |
| 104 | Real estate activities | | | | | | | | | | |
| 105 | Community, social & personal services | | | | | | | | | | |
| 106 | Other services | | | | | | | | | 0.00011 | |
| 107 | Public administration | 0.00977 | 0.02582 | | | | | | | | |
| Total Input | | 0.73483 | 0.68758 | 0.78218 | 0.65480 | 0.53254 | 0.74926 | 0.54000 | 0.78314 | 0.90115 | 0.53042 |
| GVA | | 0.26517 | 0.31242 | 0.21782 | 0.34520 | 0.46746 | 0.25074 | 0.46000 | 0.21686 | 0.09885 | 0.46958 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|----|--------------------|---------|----|---------|---------|----|----|----|----|----|----|
| 1 | Paddy | 0.00000 | | | 0.00686 | | | | | | |
| 2 | Wheat | 0.00001 | | | | | | | | | |
| 3 | Jowar | | | | | | | | | | |
| 4 | Bajra | 0.00000 | | | | | | | | | |
| 5 | Maize | 0.00075 | | 0.00318 | | | | | | | |
| 6 | Gram | | | | | | | | | | |
| 7 | Barley | | | | | | | | | | |
| 8 | Sugarcane | 0.01085 | | | | | | | | | |
| 9 | Groundnut | 0.00000 | | | | | | | | | |
| 10 | Sesamum | | | | | | | | | | |
| 11 | Rapeseed & mustard | | | 0.00000 | | | | | | | |
| 12 | Other oilseeds | 0.00373 | | 0.00273 | | | | | | | |
| 13 | Cotton | 0.00029 | | | | | | | | | |
| 14 | Arhar | | | | | | | | | | |
| 15 | Lentil | | | | | | | | | | |
| 16 | Urad | | | | | | | | | | |
| 17 | Other Pulses | 0.00010 | | | | | | | | | |
| 18 | Potato | | | | | | | | | | |
| 19 | Vegetables | 0.00004 | | 0.00013 | | | | | | | |
| 20 | Mango | | | | | | | | | | |
| 21 | Guava | | | | | | | | | | |
| 22 | Litchi | | | | | | | | | | |
| 23 | Gooseberry | | | | | | | | | | |
| 24 | Papaya | | | 0.00016 | | | | | | | |
| 25 | Other Fruits | 0.00021 | | 0.00097 | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|----|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 26 | Tobacco | | | | | | | | | | |
| 27 | Other crops | 0.00405 | | 0.00419 | 0.02886 | | | | | | |
| 28 | Other Non-food crops | | | | | | | | | | |
| 29 | Milk and milk products | 0.00240 | | 0.00040 | | | | | | | |
| 30 | Other liv.st. prod. | 0.00034 | | 0.00079 | | | | | | | 0.00000 |
| 31 | Forestry and logging | 0.00141 | | 0.01169 | 0.00065 | | 0.00667 | | | | |
| 32 | Fishing | 0.00001 | | 0.00000 | | | | | | | |
| 33 | Coal and lignite | 0.00070 | 0.02527 | 0.00976 | 0.04829 | 0.02150 | 0.01475 | 0.09018 | | 0.00632 | 0.02258 |
| 34 | Petroleum products | 0.00950 | 0.03306 | 0.01871 | 0.06690 | 0.01574 | 0.01349 | 0.00659 | | 0.00832 | 0.00510 |
| 35 | Electricity | 0.02099 | 0.03429 | 0.01863 | 0.06742 | 0.04333 | 0.02111 | 0.19846 | 0.01367 | 0.01965 | 0.01488 |
| 36 | Natural gas | 0.00299 | | | | | | 0.00003 | | | |
| 37 | Lime stone | | | 0.00107 | 0.00531 | 0.00000 | | 0.00099 | | | 0.00000 |
| 38 | Other non metallic minerals | 0.00009 | | 0.01322 | 0.02796 | 0.00023 | 0.00100 | 0.00133 | | | 0.00166 |
| 39 | Sugar | 0.00580 | | 0.01588 | 0.00015 | | 0.00000 | 0.00001 | | | |
| 40 | Khandsari, boora | 0.00281 | | 0.00021 | | | | | | | |
| 41 | Milling of Grain and Pulses | | | 0.00354 | | | | | | | |
| 42 | Miscellaneous food (Incl Dairy) products | 0.02548 | | 0.01147 | 0.00008 | | 0.00125 | 0.00603 | | | |
| 43 | Beverages | 0.00086 | | 0.00119 | | | | | | | |
| 44 | Tobacco products | 0.00004 | | 0.00003 | 0.00186 | | | | | | |
| 45 | Khadi, cotton textiles(handlooms) | 0.00009 | | 0.00017 | | | 0.00003 | | | | 0.00010 |
| 46 | Cotton textiles | 0.00049 | | 0.00163 | 0.00015 | 0.00028 | 0.00016 | | | | 0.00009 |
| 47 | Readymade garments | 0.00031 | 0.00102 | | | | - | | | | |
| 48 | Miscellaneous textile products | 0.00350 | 0.03670 | 0.00018 | 0.00001 | | 0.00021 | | | | 0.00031 |
| 49 | Furniture and fixtures-wooden | 0.00000 | | 0.00136 | 0.00124 | | 0.00000 | 0.00001 | | | |
| 50 | Wood and wood products | 0.00613 | 0.08648 | 0.00115 | 0.00440 | 0.00005 | 0.00624 | 0.00005 | | 0.00016 | 0.00165 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|----|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 51 | Paper, paper prods. & newsprint | 0.00111 | 0.00054 | 0.00074 | 0.00136 | 0.00031 | 0.00009 | 0.00007 | | | 0.00266 |
| 52 | Printing and publishing | 0.00189 | | 0.00007 | 0.00003 | | 0.00002 | | | | 0.00118 |
| 53 | Leather footwear | | | | | | | | | | |
| 54 | Leather and leather products | 0.00001 | | 0.00007 | 0.00002 | | 0.00154 | 0.00075 | | 0.01762 | 0.00032 |
| 55 | Rubber products | 0.00002 | 0.00027 | 0.00109 | - | | 0.00050 | 0.00006 | | 0.00322 | 0.02459 |
| 56 | Plastic products | 0.01149 | 0.14753 | 0.05767 | 0.04328 | 0.00224 | 0.05279 | 0.00122 | | 0.08183 | 0.02097 |
| 57 | Coal tar products | | | 0.00872 | 0.00004 | | 0.00002 | 0.02387 | | | 0.00002 |
| 58 | Inorganic heavy chemicals | 0.01847 | 0.00021 | 0.08504 | 0.02568 | 0.00003 | 0.00114 | 0.01424 | | | 0.00004 |
| 59 | Fertilizers | | | 0.00527 | 0.00001 | | 0.00032 | | | | 0.00001 |
| 60 | Paints, varnishes and lacquers | 0.00015 | 0.00146 | 0.01590 | 0.00217 | 0.00193 | 0.01020 | 0.00048 | | 0.01399 | 0.00179 |
| 61 | Drugs and medicines | 0.28247 | | 0.01316 | 0.00059 | | 0.00006 | | | | 0.00024 |
| 62 | Synthetic fibers, resin | 0.00006 | 0.00487 | 0.00074 | 0.00152 | 0.00001 | 0.00046 | 0.02571 | | | 0.00880 |
| 63 | Other chemicals | 0.00954 | 0.05743 | 0.14735 | 0.01656 | 0.00035 | 0.01334 | 0.00095 | | 0.00200 | 0.00034 |
| 64 | Other non-metallic mineral prods. | 0.00019 | | 0.00229 | 0.05682 | 0.00009 | 0.01133 | 0.00201 | | 0.02210 | 0.00008 |
| 65 | Iron, steel and ferro. alloys | 0.00001 | | 0.00010 | 0.01015 | 0.00159 | 0.03914 | 0.01700 | | | 0.02314 |
| 66 | Iron and steel foundries | 0.00001 | | 0.00000 | 0.00951 | 0.42564 | 0.16589 | 0.11868 | 0.00362 | 0.01110 | 0.07024 |
| 67 | Non-ferrous basic metals | 0.00020 | | 0.00252 | 0.00104 | 0.02792 | 0.05187 | 0.03529 | | 0.00550 | 0.03808 |
| 68 | Tractors and agri. Implements | | | | | | | | 0.88865 | | 0.03233 |
| 69 | Machine tools | 0.00001 | | | | | 0.00003 | | | | 0.00003 |
| 70 | Other non-electrical machinery | 0.00025 | | 0.00001 | 0.00038 | 0.00011 | 0.00168 | | | 0.02299 | 0.05187 |
| 71 | Electrical industrial Machinery | | | | | | 0.00038 | | | | 0.00066 |
| 72 | Electrical wires & cables | | | 0.00001 | 0.00158 | | 0.00185 | | | | 0.00719 |
| 73 | Batteries | | | | | | | 0.00057 | | | 0.00057 |
| 74 | Electrical appliances | | | | 0.00287 | | 0.01036 | 0.00001 | | | 0.00024 |
| 75 | Communication equipments | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|-----|-------------------------------------|---------|---------|---------|---------|----|---------|---------|----|---------|---------|
| 76 | Other electrical Machinery | 0.00000 | | 0.00054 | 0.00075 | | 0.00191 | | | 0.03131 | 0.01297 |
| 77 | Electronic equipments(incl.TV) | | | | | | | | | 0.15391 | 0.00041 |
| 78 | Ships and boats | | | | | | | | | | |
| 79 | Rail equipments | | | | | | | | | | |
| 80 | Motor vehicles | | | | | | 0.00028 | | | | 0.01166 |
| 81 | Motor cycles and scooters | | | | | | 0.00001 | | | | 0.00033 |
| 82 | Bicycles, cycle-rickshaw | | | | | | | | | | |
| 83 | Other transport equipments | | | | | | 0.00177 | | | | 0.00128 |
| 84 | Watches and clocks | | | | | | | | | 0.06469 | 0.00001 |
| 85 | Medical, precision & optical instr. | 0.00086 | | 0.00006 | | | | | | 0.00206 | |
| 86 | Jems & jewelry | | | | | | | | | | |
| 87 | Aircraft & spacecraft | | | | | | | | | | |
| 88 | Miscellaneous manufacturing | 0.00387 | 0.00466 | 0.03761 | 0.00057 | | 0.00043 | 0.00002 | | 0.00203 | 0.00021 |
| 89 | Construction | 0.01213 | | | | | | | | | |
| 90 | Water supply | 0.00000 | | 0.00000 | 0.00008 | | | | | | |
| 91 | Railway transport services | 0.00482 | | | | | | | | | |
| 92 | Land transport | 0.05261 | | | | | | | | | |
| 93 | Air transport | 0.00442 | | | | | | | | | |
| 94 | Supporting and aux. tpt activities | 0.00388 | | | | | | | | | |
| 95 | Storage and warehousing | | | | | | | | | | |
| 96 | Communication | 0.00348 | | | | | | | | | |
| 97 | Trade | 0.06772 | | | | | | | | | |
| 98 | Hotels and restaurants | | | | | | | | | | |
| 99 | Banking | 0.00981 | | | | | | | | | |
| 100 | Education and research | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|---------------------|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 101 | Medical and health | | | | | | | | | | |
| 102 | Business services | 0.00199 | | | | | | | | | |
| 103 | Computer & related activities | 0.00317 | | | | | | | | | |
| 104 | Real estate activities | | | | | | | | | | |
| 105 | Community, social & personal services | 0.02834 | | | | | | | | | |
| 106 | Other services | 0.00031 | | | | | | | | | |
| 107 | Public administration | | | | | | | | | | 0.34308 |
| Total Input | | 0.62727 | 0.57409 | 0.50299 | 0.43515 | 0.54134 | 0.43234 | 0.62058 | 0.90594 | 0.46880 | 0.70168 |
| GVA | | 0.37273 | 0.42591 | 0.49701 | 0.56485 | 0.45866 | 0.56766 | 0.37942 | 0.09406 | 0.53120 | 0.29832 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|----|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | | | | | | | | | | |
| 2 | Wheat | | | | | | | | | | |
| 3 | Jowar | | | | | | | | | | |
| 4 | Bajra | | | | | | | | | | |
| 5 | Maize | | | | | | | | | | |
| 6 | Gram | | | | | | | | | | |
| 7 | Barley | | | | | | | | | | |
| 8 | Sugarcane | | | | | | | | | | |
| 9 | Groundnut | | | | | | | | | | |
| 10 | Sesamum | | | | | | | | | | |
| 11 | Rapeseed & mustard | | | | | | | | | | |
| 12 | Other oilseeds | | | | | | | | | | |
| 13 | Cotton | | | | | | | | | | |
| 14 | Arhar | | | | | | | | | | |
| 15 | Lentil | | | | | | | | | | |
| 16 | Urad | | | | | | | | | | |
| 17 | Other Pulses | | | | | | | | | | |
| 18 | Potato | | | | | | | | | | |
| 19 | Vegetables | | | | | | | | | | |
| 20 | Mango | | | | | | | | | | |
| 21 | Guava | | | | | | | | | | |
| 22 | Litchi | | | | | | | | | | |
| 23 | Gooseberry | | | | | | | | | | |
| 24 | Papaya | | | | | | | | | | |
| 25 | Other Fruits | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|----|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 26 | Tobacco | | | | | | | | | | |
| 27 | Other crops | | | | | | | | | | 0.00000 |
| 28 | Other Non-food crops | | | | | | | | | | |
| 29 | Milk and milk products | | | | | | | | | | |
| 30 | Other liv.st. prod. | | 0.00028 | | | | | | | | |
| 31 | Forestry and logging | 0.00006 | 0.00001 | | | | 0.00004 | 0.00001 | | | |
| 32 | Fishing | | | | | | | - | | | |
| 33 | Coal and lignite | 0.06060 | 0.00000 | 0.03719 | 0.00447 | 0.02726 | 0.01688 | 0.01076 | 0.00023 | 0.06730 | 0.03617 |
| 34 | Petroleum products | 0.02703 | 0.00371 | 0.04398 | 0.00561 | 0.00341 | 0.01384 | 0.01178 | 0.00061 | 0.01726 | 0.01170 |
| 35 | Electricity | 0.01737 | 0.01079 | 0.08892 | 0.01544 | 0.00512 | 0.02606 | 0.01362 | 0.00096 | 0.02322 | 0.02978 |
| 36 | Natural gas | | | 0.07836 | | | | | | | |
| 37 | Lime stone | | | | | | | | | | |
| 38 | Other non metallic minerals | 0.01557 | 0.00048 | 0.01517 | 0.03724 | | 0.00039 | | | | |
| 39 | Sugar | | | | | | | | | | |
| 40 | Khandsari, boora | | | | | | | | | | |
| 41 | Milling of Grain and Pulses | | | | | | | | | | |
| 42 | Miscellaneous food (Incl Dairy) products | | | | | | | | | | 0.00007 |
| 43 | Beverages | | | | | | | | | | |
| 44 | Tobacco products | | | | | | | | | | |
| 45 | Khadi, cotton textiles(handlooms) | | 0.00001 | | | | | | | | 0.00020 |
| 46 | Cotton textiles | 0.00010 | 0.00004 | | 0.00032 | | 0.00012 | 0.00010 | - | | 0.00042 |
| 47 | Readymade garments | - | 0.00119 | | | | - | | | | |
| 48 | Miscellaneous textile products | 0.00020 | 0.00392 | | 0.00034 | 0.00103 | 0.00300 | | | 0.00343 | 0.00078 |
| 49 | Furniture and fixtures-wooden | | | | | | 0.00000 | | | | |
| 50 | Wood and wood products | 0.00132 | 0.00137 | | | | 0.02843 | 0.00069 | | | 0.00010 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|----|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 51 | Paper, paper prods. & newsprint | 0.00059 | 0.00319 | | 0.00064 | 0.00812 | 0.00006 | 0.00003 | | | 0.00087 |
| 52 | Printing and publishing | | | | | 0.01656 | 0.00005 | 0.04351 | | | |
| 53 | Leather footwear | | | | | | | | | | |
| 54 | Leather and leather products | 0.00028 | 0.00050 | | | | 0.00024 | 0.00062 | | | 0.00870 |
| 55 | Rubber products | 0.00052 | 0.00564 | 0.00203 | 0.00291 | | 0.00370 | 0.00020 | | 0.00482 | 0.05097 |
| 56 | Plastic products | 0.01301 | 0.01978 | 0.10171 | 0.13681 | 0.01295 | 0.04150 | 0.10621 | 0.00005 | 0.01145 | 0.02240 |
| 57 | Coal tar products | 0.00000 | | | | 0.00004 | | 0.00002 | | | |
| 58 | Inorganic heavy chemicals | 0.00002 | 0.00580 | 0.03098 | | | | 0.00005 | | 0.00394 | 0.00013 |
| 59 | Fertilizers | 0.00001 | 0.00011 | | | | | | | | |
| 60 | Paints, varnishes and lacquers | 0.00231 | 0.00043 | | 0.01334 | 0.00004 | 0.00481 | 0.00340 | | 0.00230 | 0.00134 |
| 61 | Drugs and medicines | | 0.00000 | 0.13058 | | | | 0.00004 | | | 0.01036 |
| 62 | Synthetic fibers, resin | 0.00206 | 0.04761 | 0.00404 | 0.00903 | 0.00012 | 0.00147 | 0.00160 | | | 0.00130 |
| 63 | Other chemicals | 0.00107 | 0.00777 | 0.01093 | | 0.00005 | 0.01091 | 0.00334 | | 0.00063 | 0.00928 |
| 64 | Other non-metallic mineral prods. | 0.00927 | 0.00142 | 0.00481 | 0.00071 | 0.00036 | 0.01319 | 0.00618 | | 0.00583 | 0.00028 |
| 65 | Iron, steel and ferro alloys | 0.04822 | 0.01939 | 0.00027 | | 0.00001 | 0.03117 | | | 0.17228 | 0.01595 |
| 66 | Iron and steel foundries | 0.29829 | 0.01445 | 0.00398 | 0.08588 | 0.00325 | 0.10738 | 0.01114 | 0.01596 | 0.12056 | 0.09238 |
| 67 | Non-ferrous basicmetals | 0.07401 | 0.20167 | 0.05132 | 0.02570 | 0.00168 | 0.06835 | 0.01961 | | 0.00913 | 0.03536 |
| 68 | Tractors and agri. Implements | | | | | | | | | | 0.00102 |
| 69 | Machine tools | 0.00000 | 0.00743 | | | | | | | | 0.00023 |
| 70 | Other non-electrical machinery | 0.01413 | 0.00079 | | 0.00600 | 0.00002 | 0.00714 | 0.13276 | | 0.01923 | 0.04363 |
| 71 | Electrical industrial Machinery | 0.01469 | 0.00516 | 0.00252 | | 0.00007 | 0.00050 | 0.01226 | | 0.00990 | 0.00766 |
| 72 | Electrical wires & cables | 0.00262 | 0.01009 | | 0.01029 | 0.00014 | 0.00907 | 0.00689 | | | 0.00263 |
| 73 | Batteries | 0.00913 | 0.00000 | 0.00372 | | | 0.00901 | 0.00034 | | | 0.00004 |
| 74 | Electrical appliances | 0.01080 | 0.00061 | 0.00620 | 0.00137 | | 0.00830 | 0.01077 | | | 0.00001 |
| 75 | Communication equipments | | 0.00179 | | | | 0.00586 | 0.00392 | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|-----|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 76 | Other electrical Machinery | 0.08559 | 0.00784 | 0.08953 | 0.07688 | 0.47556 | 0.09959 | 0.22837 | 0.00951 | 0.01287 | 0.01131 |
| 77 | Electronic equipments(incl.TV) | 0.04738 | 0.00038 | | 0.01627 | 0.24602 | 0.00445 | 0.01683 | | 0.00822 | 0.00017 |
| 78 | Ships and boats | | | | | | | | | | |
| 79 | Rail equipments | | | | | | | | | 0.04379 | |
| 80 | Motor vehicles | 0.00216 | | | 0.00048 | | | 0.00034 | | 0.00029 | 0.18504 |
| 81 | Motor cycles and scooters | 0.00008 | 0.00000 | 0.00001 | 0.00462 | | | | | | 0.00465 |
| 82 | Bicycles, cycle-rickshaw | | | | | | | | | | |
| 83 | Other transport equipments | 0.00360 | | 0.00541 | | | 0.00308 | | | 0.07147 | 0.14938 |
| 84 | Watches and clocks | | | | | | | | | | 0.00003 |
| 85 | Medical, precision & optical instr. | | | | | | 0.00204 | | | | |
| 86 | Jems & jewelry | | 0.00002 | | | | | | | | |
| 87 | Aircraft & spacecraft | | | | | | | | | | |
| 88 | Miscellaneous manufacturing | 0.00219 | 0.00433 | | 0.00058 | 0.00007 | 0.00059 | 0.00939 | | | 0.00248 |
| 89 | Construction | | 0.00083 | | | | | | | | |
| 90 | Water supply | | | | | | | | | | |
| 91 | Railway transport services | | 0.00163 | | | | | | | | |
| 92 | Land transport | | 0.02330 | | | | | | | | |
| 93 | Air transport | | 0.00276 | | | | | | | | |
| 94 | Supporting and aux. tpt activities | | 0.00161 | | | | | | | | |
| 95 | Storage and warehousing | | | | | | | | | | |
| 96 | Communication | | 0.00323 | | | | | | | | |
| 97 | Trade | | 0.02431 | | | | | | | | |
| 98 | Hotels and restaurants | | | | | | | | | | |
| 99 | Banking | | 0.01497 | | | | | | | | |
| 100 | Education and research | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|---------------------|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 101 | Medical and health | | | | | | | | | | |
| 102 | Business services | | 0.00015 | | | | | | | | |
| 103 | Computer & related activities | | 0.00886 | | | | | | | | |
| 104 | Real estate activities | | | | | | | | | | |
| 105 | Community, social & personal services | | 0.00009 | | | | | | | | |
| 106 | Other services | | 0.00030 | | | | | | | | |
| 107 | Public administration | | | | | | | | | | 0.00409 |
| Total Input | | 0.76429 | 0.47004 | 0.71166 | 0.45491 | 0.80185 | 0.52124 | 0.65478 | 0.65653 | 0.60793 | 0.74089 |
| GVA | | 0.23571 | 0.52996 | 0.28834 | 0.54509 | 0.19815 | 0.47876 | 0.34522 | 0.34347 | 0.39207 | 0.25911 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
|----|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Paddy | | | | | | | | | | |
| 2 | Wheat | | | | | | | | | | |
| 3 | Jowar | | | | | | | | | | |
| 4 | Bajra | | | | | | | | | | |
| 5 | Maize | | | | | | | | | | |
| 6 | Gram | | | | | | | | | | |
| 7 | Barley | | | | | | | | | | |
| 8 | Sugarcane | | | | | | | | | | |
| 9 | Groundnut | | | | | | | | | | |
| 10 | Sesamum | | | | | | | | | | |
| 11 | Rapeseed & mustard | | | | | | | | | | |
| 12 | Other oilseeds | | | | | | | | | | |
| 13 | Cotton | | | | | | | | | | |
| 14 | Arhar | | | | | | | | | | |
| 15 | Lentil | | | | | | | | | | |
| 16 | Urad | | | | | | | | | | |
| 17 | Other Pulses | | | | | | | | | | |
| 18 | Potato | | | | | | | | | | |
| 19 | Vegetables | | | | | 0.00001 | | | | | |
| 20 | Mango | | | | | | | | | | |
| 21 | Guava | | | | | | | | | | |
| 22 | Litchi | | | | | | | | | | |
| 23 | Gooseberry | | | | | | | | | | |
| 24 | Papaya | | | | | | | | | | |
| 25 | Other Fruits | | | | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
|----|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 26 | Tobacco | | | | | | | | | | |
| 27 | Other crops | | | | | | | | 0.00066 | 0.00235 | 0.00007 |
| 28 | Other Non-food crops | | | | | | | | | | |
| 29 | Milk and milk products | | | | | | | | | | |
| 30 | Other liv.st. prod. | | | | | | | | | 0.00031 | 0.00000 |
| 31 | Forestry and logging | | | | | | | | 0.01250 | 0.02246 | |
| 32 | Fishing | | | | | | 0.00247 | | | | |
| 33 | Coal and lignite | 0.20307 | | 0.01496 | | 0.02090 | 0.00483 | 0.00758 | 0.02363 | | 0.00002 |
| 34 | Petroleum products | 0.01142 | 0.00179 | 0.00469 | 0.01430 | 0.01767 | 0.00105 | 0.03440 | 0.01322 | 0.01021 | 0.00239 |
| 35 | Electricity | 0.04738 | 0.01925 | 0.01376 | 0.02945 | 0.04776 | 0.00307 | 0.05103 | 0.03089 | 0.00912 | 0.01963 |
| 36 | Natural gas | | | 0.00009 | | | | | | | 0.00024 |
| 37 | Lime stone | | | | | | | | | | |
| 38 | Other non metallic minerals | | | 0.00017 | | 0.00004 | 0.01399 | | 0.00236 | 0.01364 | |
| 39 | Sugar | | | | | | | | | | |
| 40 | Khandsari, boora | | | | | | | | | | |
| 41 | Milling of Grain and Pulses | | | | | | | | | | |
| 42 | Miscellaneous food (Incl Dairy) products | | | | | | | | 0.00589 | | |
| 43 | Beverages | | | | | | | | | | 0.00008 |
| 44 | Tobacco products | | | | | | | | | | |
| 45 | Khadi, cotton textiles(handlooms) | | | | | - | 0.00337 | | 0.00078 | | |
| 46 | Cotton textiles | | | | | 0.00624 | 0.00160 | | 0.00449 | | |
| 47 | Readymade garments | | | | | 0.00612 | | | - | 0.00050 | 0.00087 |
| 48 | Miscellaneous textile products | | | | | 0.00002 | 0.00001 | | 0.01455 | 0.00014 | 0.00003 |
| 49 | Furniture and fixtures-wooden | | | | | 0.00001 | | | 0.00007 | 0.00030 | 0.00149 |
| 50 | Wood and wood products | | | 0.00022 | | 0.00049 | | | 0.10810 | 0.01133 | 0.00002 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
|----|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 51 | Paper, paper prods. & newsprint | | | | | 0.00053 | | | 0.01047 | 0.00129 | 0.00171 |
| 52 | Printing and publishing | | | | | | | | 0.00165 | 0.00057 | 0.00119 |
| 53 | Leather footwear | | | | | | | | | | |
| 54 | Leather and leather products | | | 0.00003 | | 0.04405 | | | 0.01120 | | |
| 55 | Rubber products | 0.00413 | | 0.04222 | | 0.00344 | | 0.00200 | 0.05595 | 0.00008 | 0.00017 |
| 56 | Plastic products | 0.00056 | | 0.04122 | 0.02662 | 0.27467 | 0.00229 | 0.00611 | 0.07183 | 0.00018 | 0.00015 |
| 57 | Coal tar products | | | | | 0.00005 | | | 0.00172 | 0.01330 | |
| 58 | Inorganic heavy chemicals | | | | | 0.00025 | | | 0.00091 | | 0.00208 |
| 59 | Fertilizers | | | | | | | | | 0.00036 | 0.01179 |
| 60 | Paints, varnishes and lacquers | | | 0.00326 | | 0.00091 | 0.00018 | | 0.01247 | 0.00892 | |
| 61 | Drugs and medicines | | | - | | 0.00917 | | | | | |
| 62 | Synthetic fibers, resin | | | 0.00195 | | 0.00672 | | | 0.00882 | | |
| 63 | Other chemicals | | | 0.00337 | | 0.01125 | 0.00042 | | 0.09497 | | 0.00172 |
| 64 | Other non-metallic mineral prods. | | | 0.00082 | | 0.00292 | 0.00382 | 0.07368 | 0.03072 | 0.02621 | 0.00001 |
| 65 | Iron, steel and ferro alloys | | | 0.00701 | | 0.00034 | | 0.00006 | 0.00651 | 0.06550 | 0.00101 |
| 66 | Iron and steel foundries | | 0.00038 | 0.11401 | | 0.02317 | 0.20499 | | 0.04260 | 0.03175 | 0.00062 |
| 67 | Non-ferrous basicmetals | | 0.00707 | 0.00760 | | 0.03249 | 0.00453 | 0.00069 | 0.01619 | | |
| 68 | Tractors and agri. Implements | | | | | | | | 0.00030 | | |
| 69 | Machine tools | | | 0.00001 | | | | | | 0.00000 | |
| 70 | Other non-electrical machinery | | | 0.02119 | | 0.00243 | | | 0.00023 | 0.00137 | 0.00515 |
| 71 | Electrical industrial Machinery | | | | | 0.00003 | | | | | 0.00026 |
| 72 | Electrical wires & cables | | | | | 0.01957 | | | 0.00047 | 0.00793 | |
| 73 | Batteries | 0.01133 | | 0.00022 | | | | | | 0.00002 | 0.00004 |
| 74 | Electrical appliances | 0.01045 | | | | | | | | 0.00004 | 0.00006 |
| 75 | Communication equipments | - | | | | 0.00031 | | | | | 0.00066 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
|-----|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 76 | Other electrical Machinery | 0.00432 | | 0.01534 | | 0.00023 | | 0.68252 | 0.00751 | | 0.00033 |
| 77 | Electronic equipments(incl.TV) | | 0.00018 | | | 0.00029 | | | | 0.00011 | 0.00113 |
| 78 | Ships and boats | | | | | | | | | 0.00001 | 0.00018 |
| 79 | Rail equipments | | | | | | | | | 0.00000 | |
| 80 | Motor vehicles | 0.40201 | | 0.02242 | | 0.00094 | | | 0.00846 | 0.00061 | 0.00072 |
| 81 | Motor cycles and scooters | 0.02852 | 0.02599 | 0.01039 | | | | | - | 0.00000 | 0.00001 |
| 82 | Bicycles, cycle-rickshaw | | 0.38130 | 0.03762 | | | | | 0.00028 | 0.00003 | 0.00008 |
| 83 | Other transport equipments | 0.05682 | | 0.32911 | | 0.00003 | | | 0.00010 | | |
| 84 | Watches and clocks | | | | 0.06529 | | | | | | |
| 85 | Medical, precision & optical instr. | | 0.00007 | | | 0.11448 | | | | | |
| 86 | Jems & jewelry | | | | | | 0.00466 | | | | |
| 87 | Aircraft & spacecraft | | | | | | | | | | |
| 88 | Miscellaneous manufacturing | | | 0.00882 | 0.15604 | 0.00168 | 0.00557 | | 0.03909 | 0.00455 | 0.00135 |
| 89 | Construction | | | | | | | | | 0.11626 | 0.07731 |
| 90 | Water supply | | | | | | | | | 0.00167 | 0.08479 |
| 91 | Railway transport services | | | | | | | | | 0.00384 | 0.00167 |
| 92 | Land transport | | 0.02040 | | | | | | | 0.03697 | 0.12856 |
| 93 | Air transport | | | | | | | | | 0.00031 | 0.00021 |
| 94 | Supporting and aux. tpt activities | | | | | | | | | 0.00372 | 0.00028 |
| 95 | Storage and warehousing | | | | | | | | | | |
| 96 | Communication | | 0.00177 | | | | | | | 0.00084 | 0.00332 |
| 97 | Trade | | | | | | | | | 0.07350 | 0.00237 |
| 98 | Hotels and restaurants | | | | | | | | | 0.00035 | 0.01093 |
| 99 | Banking | | | | | | | | | 0.01818 | 0.02212 |
| 100 | Education and research | | | | | | | | | 0.00000 | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
|---------------------|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 101 | Medical and health | | | | | | | | | | |
| 102 | Business services | | 0.00641 | | | | | | | 0.01150 | 0.02946 |
| 103 | Computer & related activities | | | | | | | | | 0.00007 | 0.00014 |
| 104 | Real estate activities | | | | | | | | | 0.00126 | |
| 105 | Community, social & personal services | | | | | | | | | 0.00005 | 0.00059 |
| 106 | Other services | | | | | | | | | 0.00035 | 0.00056 |
| 107 | Public administration | | | 0.06594 | | | | | | | 0.07214 |
| Total Input | | 0.78000 | 0.46462 | 0.76643 | 0.29169 | 0.64924 | 0.25685 | 0.85808 | 0.63960 | 0.50205 | 0.48971 |
| GVA | | 0.22000 | 0.53538 | 0.23357 | 0.70831 | 0.35076 | 0.74315 | 0.14192 | 0.36040 | 0.49795 | 0.51029 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|----|--------------------|----|---------|----|---------|---------|----|----|---------|----|---------|
| 1 | Paddy | | 0.00000 | | | | | | 0.02026 | | 0.00017 |
| 2 | Wheat | | 0.00001 | | 0.00000 | | | | 0.01294 | | 0.00018 |
| 3 | Jowar | | | | | | | | | | |
| 4 | Bajra | | 0.00000 | | | | | | 0.00002 | | |
| 5 | Maize | | | | | | | | 0.00000 | | |
| 6 | Gram | | 0.00028 | | | | | | 0.00014 | | |
| 7 | Barley | | | | | | | | | | |
| 8 | Sugarcane | | | | | | | | 0.00512 | | |
| 9 | Groundnut | | | | | | | | | | |
| 10 | Sesamum | | | | | | | | | | |
| 11 | Rapeseed & mustard | | | | | | | | | | |
| 12 | Other oilseeds | | | | | | | | | | |
| 13 | Cotton | | | | | | | | | | |
| 14 | Arhar | | | | | | | | | | |
| 15 | Lentil | | | | | | | | | | |
| 16 | Urad | | | | | | | | | | |
| 17 | Other Pulses | | 0.00011 | | | | | | 0.02959 | | 0.00009 |
| 18 | Potato | | | | | | | | | | |
| 19 | Vegetables | | | | | | | | 0.02851 | | |
| 20 | Mango | | | | | | | | | | |
| 21 | Guava | | | | | | | | | | |
| 22 | Litchi | | | | | 0.00113 | | | | | |
| 23 | Gooseberry | | | | | | | | | | |
| 24 | Papaya | | | | | | | | | | |
| 25 | Other Fruits | | | | | | | | 0.00462 | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|----|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 26 | Tobacco | | | | | | | | | | |
| 27 | Other crops | | 0.01934 | | | | | | 0.02491 | | 0.00085 |
| 28 | Other Non-food crops | | | | | | | | | | |
| 29 | Milk and milk products | | | | | 0.00786 | | | 0.07509 | | 0.00022 |
| 30 | Other liv.st. prod. | | | | | | | | 0.02528 | | 0.00002 |
| 31 | Forestry and logging | 0.00000 | | | | | | | | | |
| 32 | Fishing | | | | | | | | 0.00284 | | |
| 33 | Coal and lignite | 0.00090 | | | | 0.01721 | | | 0.00021 | | |
| 34 | Petroleum products | 0.01483 | 0.21139 | 0.06535 | 0.01743 | 0.08066 | 0.01194 | 0.01149 | 0.00647 | 0.00298 | 0.00135 |
| 35 | Electricity | 0.07232 | 0.00439 | 0.16805 | 0.03116 | 0.28336 | 0.01655 | 0.00618 | 0.01059 | 0.01081 | 0.00072 |
| 36 | Natural gas | | | | | | | | | | |
| 37 | Lime stone | | | | | | | | | | |
| 38 | Other non metallic minerals | | | | | | | | | | |
| 39 | Sugar | | | | | 0.00012 | | | 0.00951 | | |
| 40 | Khandsari, boora | | | | | 0.00001 | | | 0.00836 | | |
| 41 | Milling of Grain and Pulses | | | | | | | | | | |
| 42 | Miscellaneous food (Incl Dairy) products | | 0.00005 | | | 0.00031 | | | 0.08116 | | |
| 43 | Beverages | | | | | | | | 0.01441 | | |
| 44 | Tobacco products | | | | | | | | 0.00000 | | |
| 45 | Khadi, cotton textiles(handlooms) | | | | | | | | | | |
| 46 | Cotton textiles | 0.00006 | 0.00006 | | | | | 0.00002 | | | |
| 47 | Readymade garments | 0.00001 | 0.00019 | | 0.00004 | | 0.00070 | 0.00005 | 0.01048 | 0.00061 | 0.00066 |
| 48 | Miscellaneous textile products | 0.00001 | 0.01488 | | | | | | 0.00000 | | 0.00036 |
| 49 | Furniture and fixtures-wooden | 0.00002 | 0.00007 | | 0.00007 | | 0.00157 | 0.00008 | 0.00654 | 0.00126 | 0.00188 |
| 50 | Wood and wood products | 0.00000 | 0.00001 | | 0.00019 | 0.00004 | | 0.00070 | | 0.00002 | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|----|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 51 | Paper, paper prods. & newsprint | 0.00029 | 0.00363 | | 0.02354 | | 0.00400 | 0.00291 | 0.00520 | 0.00268 | 0.00033 |
| 52 | Printing and publishing | 0.00053 | 0.00259 | | 0.02860 | | 0.00273 | 0.00628 | 0.00086 | 0.00297 | 0.00236 |
| 53 | Leather footwear | | 0.00012 | | | | | | | | |
| 54 | Leather and leather products | | 0.00000 | | | | | | | | |
| 55 | Rubber products | 0.00000 | 0.02524 | | 0.00211 | | 0.00054 | 0.00006 | 0.00001 | 0.00027 | 0.00004 |
| 56 | Plastic products | 0.00000 | 0.00552 | | 0.01106 | 0.00355 | 0.00107 | 0.00045 | | | |
| 57 | Coal tar products | 0.00001 | | | | | | | | | |
| 58 | Inorganic heavy chemicals | | 0.00001 | | | | | 0.00002 | | | 0.00010 |
| 59 | Fertilizers | | | | | | | | | | |
| 60 | Paints, varnishes and lacquers | | 0.00139 | | 0.00404 | | | | | | |
| 61 | Drugs and medicines | 0.00000 | 0.00001 | | | | | | | | 0.00245 |
| 62 | Synthetic fibers, resin | | 0.00002 | | | | | | | | |
| 63 | Other chemicals | 0.00002 | 0.00001 | | | 0.00996 | | 0.00000 | 0.00000 | | |
| 64 | Other non-metallic mineral prods. | 0.00005 | 0.00076 | | | 0.00415 | | 0.00000 | 0.00038 | 0.00000 | 0.00000 |
| 65 | Iron, steel and ferro alloys | 0.00002 | 0.00001 | 0.50914 | 0.00001 | | | 0.00006 | | | |
| 66 | Iron and steel foundries | 0.00002 | 0.00001 | | 0.00001 | | | 0.00004 | | | |
| 67 | Non-ferrous basicmetals | | 0.00000 | | | | | | | | |
| 68 | Tractors and agri. Implements | | | | | | | | | | |
| 69 | Machine tools | 0.00021 | | | | | | 0.00041 | | | |
| 70 | Other non-electrical machinery | 0.00065 | 0.01448 | | 0.00003 | | 0.00209 | 0.00006 | 0.00616 | 0.00066 | 0.00017 |
| 71 | Electrical industrial Machinery | 0.00075 | | | | | | | | 0.00005 | |
| 72 | Electrical wires & cables | 0.00002 | 0.00181 | | | | 0.00113 | | | | |
| 73 | Batteries | 0.00000 | 0.00472 | | 0.00047 | | 0.00009 | 0.00001 | 0.00001 | 0.00007 | 0.00001 |
| 74 | Electrical appliances | 0.00031 | 0.00000 | | 0.00000 | | 0.00015 | 0.00000 | 0.00061 | 0.00008 | 0.00004 |
| 75 | Communication equipments | 0.00124 | 0.00002 | | | | 0.12710 | | 0.00085 | 0.00000 | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|-----|-------------------------------------|---------|---------|----|---------|---------|---------|---------|---------|---------|---------|
| 76 | Other electrical Machinery | 0.00049 | 0.00000 | | | | 0.00385 | 0.00000 | 0.00098 | | |
| 77 | Electronic equipments(incl.TV) | 0.00005 | 0.00002 | | 0.01072 | | 0.00062 | 0.00002 | 0.00285 | 0.00534 | 0.00007 |
| 78 | Ships and boats | 0.00001 | | | 0.00001 | | 0.00007 | | 0.00001 | 0.00009 | 0.00005 |
| 79 | Rail equipments | 0.14387 | | | | | | | | | |
| 80 | Motor vehicles | | 0.01909 | | 0.00955 | | 0.00218 | 0.00013 | 0.00012 | 0.00057 | 0.00041 |
| 81 | Motor cycles and scooters | 0.00000 | 0.00000 | | 0.00000 | | 0.00001 | 0.00000 | 0.00000 | 0.00161 | 0.00000 |
| 82 | Bicycles, cycle-rickshaw | 0.00000 | 0.00000 | | 0.00000 | | 0.00004 | 0.00000 | 0.00000 | 0.00007 | 0.00001 |
| 83 | Other transport equipments | | 0.00002 | | | | | 0.00000 | | 0.00000 | |
| 84 | Watches and clocks | 0.00057 | | | | | | | | | 0.00000 |
| 85 | Medical, precision & optical instr. | | | | | | | | | | |
| 86 | Jems & jewelry | | | | | | | | | | |
| 87 | Aircraft & spacecraft | | | | | | | | | | |
| 88 | Miscellaneous manufacturing | 0.01598 | 0.00354 | | 0.00000 | | 0.00164 | 0.00276 | 0.00223 | 0.00104 | 0.00106 |
| 89 | Construction | 0.04608 | 0.00659 | | 0.02125 | | 0.00922 | 0.00429 | 0.01905 | 0.01236 | 0.01096 |
| 90 | Water supply | 0.00003 | 0.00017 | | 0.00000 | 0.00001 | 0.00008 | 0.00000 | 0.00050 | 0.00036 | 0.00003 |
| 91 | Railway transport services | 0.00097 | 0.00149 | | 0.00651 | | 0.00149 | 0.00022 | 0.00102 | 0.00367 | 0.00006 |
| 92 | Land transport | 0.00759 | 0.02103 | | 0.14562 | | 0.01020 | 0.04052 | 0.02902 | 0.01269 | 0.02977 |
| 93 | Air transport | 0.00008 | 0.00030 | | 0.00059 | | 0.00065 | 0.00015 | 0.00059 | 0.00250 | 0.00043 |
| 94 | Supporting and aux. tpt activities | 0.00015 | 0.00159 | | 0.00269 | | 0.00025 | 0.00033 | 0.00322 | 0.00014 | 0.00012 |
| 95 | Storage and warehousing | | | | 0.00292 | | | 0.00512 | 0.00010 | | |
| 96 | Communication | 0.00100 | 0.01083 | | 0.05598 | | 0.00765 | 0.00291 | 0.00261 | 0.02327 | 0.00294 |
| 97 | Trade | 0.01126 | 0.06377 | | 0.01136 | | 0.00774 | 0.00593 | 0.08692 | 0.00197 | 0.00168 |
| 98 | Hotels and restaurants | 0.00128 | 0.08198 | | 0.12827 | | 0.00260 | 0.01328 | 0.03993 | 0.01899 | 0.01292 |
| 99 | Banking | 0.01357 | 0.00523 | | 0.02421 | | 0.00220 | 0.03194 | 0.01571 | 0.03561 | 0.01855 |
| 100 | Education and research | 0.00114 | | | - | | 0.00897 | | | | 0.00587 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---------------------|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 101 | Medical and health | 0.01220 | | | - | | 0.00125 | | | | |
| 102 | Business services | 0.00031 | 0.02332 | | 0.01975 | | 0.00154 | 0.00705 | 0.00094 | 0.00339 | 0.00200 |
| 103 | Computer & related activities | 0.00086 | 0.00047 | | 0.00288 | | 0.00072 | 0.00087 | 0.00096 | 0.00116 | 0.00016 |
| 104 | Real estate activities | | | | - | | 0.00020 | | | | |
| 105 | Community, social & personal services | 0.00001 | 0.00129 | | 0.01478 | | 0.00173 | 0.00010 | 0.00203 | 0.00244 | 0.00001 |
| 106 | Other services | 0.00014 | 0.00040 | | 0.00032 | | 0.00032 | 0.00001 | 0.00048 | 0.00007 | 0.00035 |
| 107 | Public administration | | 0.01145 | | | | 0.00179 | | | | 0.03364 |
| Total Input | | 0.34990 | 0.56370 | 0.74255 | 0.57619 | 0.40836 | 0.23668 | 0.14445 | 0.60035 | 0.14981 | 0.13310 |
| GVA | | 0.65010 | 0.43630 | 0.25745 | 0.42381 | 0.59164 | 0.76332 | 0.85555 | 0.39965 | 0.85019 | 0.86690 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
|----|--------------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | Paddy | 0.00070 | | | 0.00000 | | | |
| 2 | Wheat | 0.00033 | | | 0.00000 | | | |
| 3 | Jowar | | | | | | | |
| 4 | Bajra | | | | | | | |
| 5 | Maize | | | | | | | |
| 6 | Gram | | | | | | | |
| 7 | Barley | | | | | | | |
| 8 | Sugarcane | | | | | | | |
| 9 | Groundnut | | | | | | | |
| 10 | Sesamum | | | | | | | |
| 11 | Rapeseed & mustard | | | | | | | |
| 12 | Other oilseeds | | | | | 0.00004 | | |
| 13 | Cotton | | | | | | | |
| 14 | Arhar | | | | | | | |
| 15 | Lentil | | | | | | | |
| 16 | Urad | | | | | | | |
| 17 | Other Pulses | 0.00096 | | | 0.00000 | | | |
| 18 | Potato | | | | | | | |
| 19 | Vegetables | | | | | | | |
| 20 | Mango | | | | | | | |
| 21 | Guava | | | | | | | |
| 22 | Litchi | | | | | | | |
| 23 | Gooseberry | | | | | | | |
| 24 | Papaya | | | | | | | |
| 25 | Other Fruits | | | | | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
|----|--|------------|------------|------------|------------|------------|------------|------------|
| 26 | Tobacco | | | | | | | |
| 27 | Other crops | 0.00470 | | | 0.00001 | 0.00003 | | |
| 28 | Other Non-food crops | | | | | | | |
| 29 | Milk and milk products | 0.00150 | | | 0.00000 | | | |
| 30 | Other liv.st. prod. | 0.00015 | | | 0.00001 | 0.00033 | | |
| 31 | Forestry and logging | | | | | 0.00042 | | |
| 32 | Fishing | | | | | | | |
| 33 | Coal and lignite | | 0.00001 | 0.02802 | 0.00000 | 0.01187 | 0.01462 | |
| 34 | Petroleum products | 0.00412 | 0.00002 | 0.00066 | 0.00000 | 0.05546 | 0.01913 | |
| 35 | Electricity | 0.00213 | 0.00005 | 0.00159 | 0.00003 | 0.01201 | 0.01984 | 0.01850 |
| 36 | Natural gas | | | | | 0.06049 | | |
| 37 | Lime stone | | | | | 0.00009 | | |
| 38 | Other non metallic minerals | | 0.00002 | | | 0.00218 | | |
| 39 | Sugar | | | | | 0.00158 | | |
| 40 | Khandsari, boora | | | | | | | |
| 41 | Milling of Grain and Pulses | | | | | | | |
| 42 | Miscellaneous food (Incl Dairy) products | | | | | 0.00131 | | 0.03516 |
| 43 | Beverages | | | | | 0.00093 | | |
| 44 | Tobacco products | | | | | 0.00000 | | |
| 45 | Khadi, cotton textiles(handlooms) | | | | | 0.00004 | | |
| 46 | Cotton textiles | | | | 0.00000 | 0.00042 | | |
| 47 | Readymade garments | 0.00505 | | | | | 0.00059 | 0.00047 |
| 48 | Miscellaneous textile products | 0.00314 | | | 0.00002 | 0.00006 | 0.02123 | |
| 49 | Furniture and fixtures-wooden | 0.01148 | | | 0.00017 | 0.00007 | | 0.00199 |
| 50 | Wood and wood products | | | | | 0.00002 | 0.05003 | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
|----|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|
| 51 | Paper, paper prods. & newsprint | 0.00129 | 0.00002 | | 0.00004 | | 0.00031 | 0.00123 |
| 52 | Printing and publishing | 0.00287 | | | 0.00001 | | | 0.00109 |
| 53 | Leather footwear | | | | | | | |
| 54 | Leather and leather products | | | | | 0.00044 | | |
| 55 | Rubber products | 0.00009 | | | | 0.00003 | 0.00016 | |
| 56 | Plastic products | | 0.00023 | 0.00087 | | 0.00701 | 0.08535 | |
| 57 | Coal tar products | | | | | 0.00154 | | |
| 58 | Inorganic heavy chemicals | 0.00039 | | | | 0.00478 | 0.00012 | |
| 59 | Fertilizers | | | | | 0.00063 | | |
| 60 | Paints, varnishes and lacquers | | | | | 0.00131 | 0.00084 | |
| 61 | Drugs and medicines | 0.16142 | | | 0.00001 | 0.00001 | | |
| 62 | Synthetic fibers, resin | | | | - | 0.00069 | 0.00281 | |
| 63 | Other chemicals | | 0.00010 | | 0.00002 | 0.00975 | 0.03323 | |
| 64 | Other non-metallic mineral prods. | 0.00000 | | | 0.00000 | 0.03847 | | |
| 65 | Iron, steel and ferro alloys | | | | | 0.00000 | | |
| 66 | Iron and steel foundries | | | | | 0.00012 | | |
| 67 | Non-ferrous basicmetals | | | | | 0.00065 | | |
| 68 | Tractors and agri. Implements | | | | | | | |
| 69 | Machine tools | | | | | | | |
| 70 | Other non-electrical machinery | 0.00075 | | | 0.00000 | 0.00001 | | 0.05863 |
| 71 | Electrical industrial Machinery | | | | | 0.00008 | | |
| 72 | Electrical wires & cables | | | | | | | |
| 73 | Batteries | 0.00002 | | | | | | |
| 74 | Electrical appliances | 0.00011 | | | 0.00001 | | | |
| 75 | Communication equipments | | | | 0.00011 | | | |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
|-----|-------------------------------------|---------|-----|-----|---------|---------|---------|---------|
| 76 | Other electrical Machinery | | | | 0.00000 | | | |
| 77 | Electronic equipments(incl.TV) | 0.01057 | | | 0.00000 | | | |
| 78 | Ships and boats | 0.00039 | | | 0.00015 | | | |
| 79 | Rail equipments | | | | | | | |
| 80 | Motor vehicles | 0.00113 | | | | 0.00028 | | 0.00047 |
| 81 | Motor cycles and scooters | 0.00001 | | | | | | |
| 82 | Bicycles, cycle-rickshaw | 0.00009 | | | | | | |
| 83 | Other transport equipments | 0.00000 | | | | | | 0.00419 |
| 84 | Watches and clocks | 0.00003 | | | | | | |
| 85 | Medical, precision & optical instr. | | | | | | | |
| 86 | Jems & jewelry | | | | | | | |
| 87 | Aircraft & spacecraft | | | | | | | |
| 88 | Miscellaneous manufacturing | 0.00201 | | | 0.00002 | 0.00000 | 0.00270 | |
| 89 | Construction | 0.01003 | | | 0.03642 | | | |
| 90 | Water supply | 0.00007 | | | | | | 0.00065 |
| 91 | Railway transport services | 0.00095 | | | 0.00000 | | | |
| 92 | Land transport | 0.01821 | | | 0.00004 | | | 0.00587 |
| 93 | Air transport | 0.00063 | | | 0.00000 | | | |
| 94 | Supporting and aux. tpt activities | 0.00165 | | | 0.00000 | | | |
| 95 | Storage and warehousing | | | | | | | |
| 96 | Communication | 0.00892 | | | 0.00049 | | | 0.00046 |
| 97 | Trade | 0.01382 | | | 0.00003 | | | |
| 98 | Hotels and restaurants | 0.07600 | | | 0.00267 | | | |
| 99 | Banking | 0.01025 | | | 0.00702 | | | |
| 100 | Education and research | 0.00384 | | | | | | 0.04305 |

Matrix 2: Input Coefficient Matrix (Commodity x Industry) 2016-17

| | Sector Name | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
|---------------------|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 101 | Medical and health | | | | | | | 0.01359 |
| 102 | Business services | 0.00008 | | | 0.00001 | | | 0.11987 |
| 103 | Computer & related activities | 0.00050 | | | 0.00001 | | | 0.00122 |
| 104 | Real estate activities | | | | 0.00574 | | | 0.00110 |
| 105 | Community, social & personal services | 0.00190 | | | 0.00098 | | | |
| 106 | Other services | 0.00037 | | | 0.00006 | 0.00003 | | 0.00058 |
| 107 | Public administration | 0.03023 | 0.46945 | 0.22885 | 0.00056 | | 0.02087 | 0.69189 |
| Total Input | | 0.39284 | 0.46990 | 0.26000 | 0.05464 | 0.21318 | 0.27184 | 1.00000 |
| GVA | | 0.60716 | 0.53010 | 0.74000 | 0.94536 | 0.78682 | 0.72816 | 0.00000 |
| Total Output | | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| S. No. | Sector Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Paddy | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 2 | Wheat | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 3 | Jowar | 0.0000 | 0.0000 | 1.0131 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0000 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 5 | Maize | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 6 | Gram | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 7 | Barley | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 |
| 8 | Sugarcane | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 | 0.0014 | 0.0000 |
| 9 | Groundnut | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.1412 | 0.0000 |
| 10 | Sesamum | - | - | - | - | - | - | - | - | - | 1.0000 |
| 11 | Rapeseed & Mustard | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 12 | Other oilseeds | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 13 | Cotton | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | Arhar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | Urad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | Other Pulses | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 18 | Potato | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 19 | Vegetables | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 20 | Mango | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | Guava | - | - | - | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | - | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | Other Fruits | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| S. No. | Sector Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27 | Other crops | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0008 | 0.0000 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - | - | - | - |
| 29 | Milk and milk products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 |
| 30 | Other liv.st. produ. | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 |
| 31 | Forestry and logging | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 |
| 32 | Fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 33 | Coal and lignite | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0064 | 0.0000 |
| 34 | Petroleum products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0720 | 0.0000 |
| 35 | Electricity | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0295 | 0.0000 |
| 36 | Natural gas | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0358 | 0.0000 |
| 37 | Lime stone | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 38 | Other non metallic minerals | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0009 | 0.0000 |
| 39 | Sugar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 |
| 40 | Khandsari, boora | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 41 | Milling of Grain and Pulses | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0037 | 0.0000 |
| 43 | Beverages | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 |
| 44 | Tobacco products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 46 | Cotton textiles | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 |
| 47 | Readymade garments | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 48 | Miscellaneous textile products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 49 | Furniture and fixtures-wooden | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 |
| 50 | Wood and wood products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 |
| 51 | Paper, paper prods. & newsprint | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 |
| 52 | Printing and publishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 |
| 53 | Leather footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| S. No. | Sector Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54 | Leather and leather products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 |
| 55 | Rubber products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 |
| 56 | Plastic products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0044 | 0.0000 |
| 57 | Coal tar products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0034 | 0.0000 |
| 58 | Inorganic heavy chemicals | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0018 | 0.0000 |
| 59 | Fertilizers | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0488 | 0.0000 |
| 60 | Paints, varnishes and lacquers | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 |
| 61 | Drugs and medicines | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 |
| 62 | Synthetic fibers, resin | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 |
| 63 | Other chemicals | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0064 | 0.0000 |
| 64 | Other non-metallic mineral prods. | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0084 | 0.0000 |
| 65 | Iron, steel and ferro alloys | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0000 |
| 66 | Iron and steel foundries | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0022 | 0.0000 |
| 67 | Non-ferrous basic metals | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 |
| 68 | Tractors and agri. implements | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.1143 | 0.0000 |
| 69 | Machine tools | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 70 | Other non-electrical machinery | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0062 | 0.0000 |
| 71 | Electrical industrial Machinery | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0008 | 0.0000 |
| 72 | Electrical wires & cables | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 73 | Batteries | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 74 | Electrical appliances | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 75 | Communication equipments | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 76 | Other electrical Machinery | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 |
| 77 | Electronic equipments(incl.TV) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 78 | Ships and boats | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 79 | Rail equipments | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 80 | Motor vehicles | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| S. No. | Sector Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 82 | Bicycles, cycle-rickshaw | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 83 | Other transport equipments | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 |
| 84 | Watches and clocks | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 85 | Medical, precision&optical instru.s | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 86 | Jems & jewelry | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | - | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 |
| 89 | Construction | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0009 | 0.0000 |
| 90 | Water supply | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0012 | 0.0000 |
| 91 | Railway transport services | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 |
| 92 | Land tpt including via pipeline | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0017 | 0.0000 |
| 93 | Air transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 94 | Supporting and aux. tpt activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 95 | Storage and warehousing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 96 | Communication | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 |
| 97 | Trade | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0020 | 0.0000 |
| 98 | Hotels and restaurants | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 |
| 99 | Banking | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0016 | 0.0000 |
| 100 | Education and research | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0038 | 0.0000 |
| 101 | Medical and health | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0012 | 0.0000 |
| 102 | Business services | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0474 | 0.0000 |
| 103 | Computer & related activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 104 | Real estate activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 105 | O.com, social&personal services | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 106 | Other services | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 107 | Public administration | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0879 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Paddy | 0.0000 | 0.0001 | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 |
| 2 | Wheat | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 3 | Jowar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 5 | Maize | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 6 | Gram | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 7 | Barley | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 8 | Sugarcane | 0.0000 | 0.0014 | 0.0028 | 0.0000 | 0.0000 | 0.0000 | 0.0014 | 0.0000 | 0.0005 | 0.0001 |
| 9 | Groundnut | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 10 | Sesamum | - | - | - | - | - | - | - | - | - | - |
| 11 | Rapeseed & Mustard | 1.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 12 | Other oilseeds | 0.0000 | 1.1054 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 13 | Cotton | 0.0000 | 0.0000 | 1.0018 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | Arhar | 0.0000 | 0.0000 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | Urad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | Other Pulses | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 1.0877 | 0.0000 | 0.0000 | 0.0000 |
| 18 | Potato | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 | 0.0000 | 0.0000 |
| 19 | Vegetables | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0185 | 0.0000 |
| 20 | Mango | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0011 |
| 21 | Guava | - | - | - | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | - | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | Other Fruits | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27 | Other crops | 0.0000 | 0.0008 | 0.0026 | 0.0000 | 0.0000 | 0.0000 | 0.0008 | 0.0000 | 0.0004 | 0.0001 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - | - | - | - |
| 29 | Milk and milk products | 0.0000 | 0.0007 | 0.0013 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 | 0.0001 | 0.0000 |
| 30 | Other liv.st. produ. | 0.0000 | 0.0007 | 0.0013 | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 | 0.0002 | 0.0000 |
| 31 | Forestry and logging | 0.0000 | 0.0004 | 0.0015 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 | 0.0002 | 0.0000 |
| 32 | Fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 33 | Coal and lignite | 0.0000 | 0.0062 | 0.0145 | 0.0000 | 0.0000 | 0.0000 | 0.0061 | 0.0000 | 0.0031 | 0.0004 |
| 34 | Petroleum products | 0.0000 | 0.0696 | 0.0947 | 0.0000 | 0.0000 | 0.0000 | 0.0686 | 0.0000 | 0.0189 | 0.0016 |
| 35 | Electricity | 0.0000 | 0.0286 | 0.0248 | 0.0000 | 0.0000 | 0.0000 | 0.0281 | 0.0000 | 0.0058 | 0.0006 |
| 36 | Natural gas | 0.0000 | 0.0346 | 0.0760 | 0.0000 | 0.0000 | 0.0000 | 0.0341 | 0.0000 | 0.0161 | 0.0012 |
| 37 | Lime stone | 0.0000 | 0.0001 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 |
| 38 | Other non metallic minerals | 0.0000 | 0.0009 | 0.0034 | 0.0000 | 0.0000 | 0.0000 | 0.0009 | 0.0000 | 0.0007 | 0.0001 |
| 39 | Sugar | 0.0000 | 0.0005 | 0.0019 | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0000 | 0.0004 | 0.0001 |
| 40 | Khandsari, boora | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 41 | Milling of Grain and Pulses | 0.0000 | 0.0001 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0000 | 0.0035 | 0.0050 | 0.0000 | 0.0000 | 0.0000 | 0.0035 | 0.0000 | 0.0006 | 0.0001 |
| 43 | Beverages | 0.0000 | 0.0002 | 0.0008 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0002 | 0.0000 |
| 44 | Tobacco products | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 46 | Cotton textiles | 0.0000 | 0.0002 | 0.0007 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0001 | 0.0000 |
| 47 | Readymade garments | 0.0000 | 0.0001 | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 48 | Miscellaneous textile products | 0.0000 | 0.0001 | 0.0008 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 |
| 49 | Furniture and fixtures-wooden | 0.0000 | 0.0003 | 0.0007 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0001 | 0.0000 |
| 50 | Wood and wood products | 0.0000 | 0.0003 | 0.0012 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0002 | 0.0001 |
| 51 | Paper, paper prods. & newsprint | 0.0000 | 0.0006 | 0.0020 | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 | 0.0002 | 0.0008 |
| 52 | Printing and publishing | 0.0000 | 0.0002 | 0.0006 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0001 | 0.0000 |
| 53 | Leather footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54 | Leather and leather products | 0.0000 | 0.0002 | 0.0006 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0001 | 0.0000 |
| 55 | Rubber products | 0.0000 | 0.0004 | 0.0014 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 | 0.0001 | 0.0000 |
| 56 | Plastic products | 0.0000 | 0.0042 | 0.0141 | 0.0000 | 0.0000 | 0.0000 | 0.0042 | 0.0000 | 0.0029 | 0.0036 |
| 57 | Coal tar products | 0.0000 | 0.0033 | 0.0058 | 0.0000 | 0.0000 | 0.0000 | 0.0033 | 0.0000 | 0.0012 | 0.0002 |
| 58 | Inorganic heavy chemicals | 0.0000 | 0.0018 | 0.0065 | 0.0000 | 0.0000 | 0.0000 | 0.0017 | 0.0000 | 0.0013 | 0.0002 |
| 59 | Fertilizers | 0.0000 | 0.0473 | 0.1787 | 0.0000 | 0.0000 | 0.0000 | 0.0465 | 0.0000 | 0.0392 | 0.0026 |
| 60 | Paints, varnishes and lacquers | 0.0000 | 0.0006 | 0.0024 | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 | 0.0005 | 0.0001 |
| 61 | Drugs and medicines | 0.0000 | 0.0004 | 0.0007 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 | 0.0001 | 0.0000 |
| 62 | Synthetic fibers, resin | 0.0000 | 0.0007 | 0.0022 | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 | 0.0004 | 0.0003 |
| 63 | Other chemicals | 0.0000 | 0.0062 | 0.0170 | 0.0000 | 0.0000 | 0.0000 | 0.0061 | 0.0000 | 0.0035 | 0.0009 |
| 64 | Other non-metallic mineral prods. | 0.0000 | 0.0081 | 0.0310 | 0.0000 | 0.0000 | 0.0000 | 0.0080 | 0.0000 | 0.0067 | 0.0005 |
| 65 | Iron, steel and ferro alloys | 0.0000 | 0.0005 | 0.0023 | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0000 | 0.0003 | 0.0000 |
| 66 | Iron and steel foundries | 0.0000 | 0.0021 | 0.0045 | 0.0000 | 0.0000 | 0.0000 | 0.0021 | 0.0000 | 0.0010 | 0.0001 |
| 67 | Non-ferrous basic metals | 0.0000 | 0.0007 | 0.0016 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 | 0.0003 | 0.0000 |
| 68 | Tractors and agri. implements | 0.0002 | 0.1107 | 0.0028 | 0.0000 | 0.0001 | 0.0001 | 0.1089 | 0.0000 | 0.0966 | 0.0000 |
| 69 | Machine tools | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 70 | Other non-electrical machinery | 0.0000 | 0.0059 | 0.0080 | 0.0000 | 0.0000 | 0.0000 | 0.0059 | 0.0000 | 0.0007 | 0.0001 |
| 71 | Electrical industrial Machinery | 0.0000 | 0.0008 | 0.0008 | 0.0000 | 0.0000 | 0.0000 | 0.0008 | 0.0000 | 0.0002 | 0.0000 |
| 72 | Electrical wires & cables | 0.0000 | 0.0001 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 73 | Batteries | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 74 | Electrical appliances | 0.0000 | 0.0001 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 75 | Communication equipments | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 76 | Other electrical Machinery | 0.0000 | 0.0007 | 0.0011 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 | 0.0002 | 0.0000 |
| 77 | Electronic equipments(incl.TV) | 0.0000 | 0.0001 | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 78 | Ships and boats | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 79 | Rail equipments | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 80 | Motor vehicles | 0.0000 | 0.0005 | 0.0016 | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0000 | 0.0002 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 82 | Bicycles, cycle-rickshaw | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 83 | Other transport equipments | 0.0000 | 0.0007 | 0.0010 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 | 0.0001 | 0.0000 |
| 84 | Watches and clocks | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 85 | Medical, precision&optical instru.s | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 86 | Jems & jewelry | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | - | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0000 | 0.0006 | 0.0016 | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0000 | 0.0003 | 0.0001 |
| 89 | Construction | 0.0000 | 0.0008 | 0.0177 | 0.0000 | 0.0000 | 0.0000 | 0.0009 | 0.0000 | 0.0012 | 0.0001 |
| 90 | Water supply | 0.0000 | 0.0004 | 0.1871 | 0.0000 | 0.0000 | 0.0002 | 0.0008 | 0.0001 | 0.0115 | 0.0013 |
| 91 | Railway transport services | 0.0000 | 0.0004 | 0.0009 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 | 0.0001 | 0.0000 |
| 92 | Land tpt including via pipeline | 0.0000 | 0.0015 | 0.0272 | 0.0000 | 0.0000 | 0.0000 | 0.0015 | 0.0000 | 0.0018 | 0.0002 |
| 93 | Air transport | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 94 | Supporting and aux. tpt activities | 0.0000 | 0.0001 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 95 | Storage and warehousing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 96 | Communication | 0.0000 | 0.0003 | 0.0014 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0001 | 0.0000 |
| 97 | Trade | 0.0000 | 0.0019 | 0.0057 | 0.0000 | 0.0000 | 0.0000 | 0.0019 | 0.0000 | 0.0006 | 0.0001 |
| 98 | Hotels and restaurants | 0.0000 | 0.0005 | 0.0050 | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0000 | 0.0004 | 0.0000 |
| 99 | Banking | 0.0000 | 0.0015 | 0.0065 | 0.0000 | 0.0000 | 0.0000 | 0.0015 | 0.0000 | 0.0006 | 0.0001 |
| 100 | Education and research | 0.0000 | 0.0037 | 0.0039 | 0.0000 | 0.0000 | 0.0000 | 0.0037 | 0.0000 | 0.0003 | 0.0000 |
| 101 | Medical and health | 0.0000 | 0.0012 | 0.0012 | 0.0000 | 0.0000 | 0.0000 | 0.0011 | 0.0000 | 0.0001 | 0.0000 |
| 102 | Business services | 0.0000 | 0.0459 | 0.0171 | 0.0000 | 0.0000 | 0.0000 | 0.0452 | 0.0000 | 0.0013 | 0.0001 |
| 103 | Computer & related activities | 0.0000 | 0.0001 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 104 | Real estate activities | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 105 | O.com, social&personal services | 0.0000 | 0.0001 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 106 | Other services | 0.0000 | 0.0001 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 107 | Public administration | 0.0000 | 0.0848 | 0.0880 | 0.0000 | 0.0000 | 0.0001 | 0.0836 | 0.0001 | 0.0071 | 0.0008 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Paddy | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0003 |
| 2 | Wheat | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0010 | 0.0001 |
| 3 | Jowar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 |
| 5 | Maize | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 |
| 6 | Gram | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0036 | 0.0001 |
| 7 | Barley | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 8 | Sugarcane | 0.0001 | 0.0003 | 0.0005 | 0.0002 | 0.0001 | 0.0014 | 0.0008 | 0.0016 | 0.0043 | 0.0080 |
| 9 | Groundnut | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 10 | Sesamum | - | - | - | - | - | - | - | - | - | - |
| 11 | Rapeseed & Mustard | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0005 |
| 12 | Other oilseeds | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0002 |
| 13 | Cotton | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 |
| 14 | Arhar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | Urad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | Other Pulses | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0069 | 0.0002 |
| 18 | Potato | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 19 | Vegetables | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 20 | Mango | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | Guava | 1.0003 | - | - | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0000 | 1.0031 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | 1.0063 | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0000 | 1.0812 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | Other Fruits | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0254 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0023 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27 | Other crops | 0.0002 | 0.0004 | 0.0006 | 0.0003 | 0.0001 | 0.0027 | 1.0324 | 0.0198 | 0.0997 | 0.4947 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - | 1.0117 | - | - |
| 29 | Milk and milk products | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0004 | 0.0002 | 0.0008 | 1.0013 | 0.0048 |
| 30 | Other liv.st. produ. | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0038 | 0.0003 | 0.0393 | 0.0008 | 1.0042 |
| 31 | Forestry and logging | 0.0002 | 0.0003 | 0.0005 | 0.0002 | 0.0001 | 0.0006 | 0.0004 | 0.0004 | 0.0007 | 0.0008 |
| 32 | Fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 33 | Coal and lignite | 0.0008 | 0.0021 | 0.0032 | 0.0011 | 0.0008 | 0.0119 | 0.0071 | 0.0058 | 0.0013 | 0.0041 |
| 34 | Petroleum products | 0.0034 | 0.0092 | 0.0144 | 0.0041 | 0.0034 | 0.0735 | 0.0899 | 0.0655 | 0.0178 | 0.0445 |
| 35 | Electricity | 0.0016 | 0.0037 | 0.0057 | 0.0016 | 0.0014 | 0.0470 | 0.0253 | 0.0267 | 0.0047 | 0.0137 |
| 36 | Natural gas | 0.0022 | 0.0064 | 0.0101 | 0.0026 | 0.0024 | 0.0537 | 0.0464 | 0.0326 | 0.0076 | 0.0228 |
| 37 | Lime stone | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0001 | 0.0001 | 0.0000 | 0.0000 |
| 38 | Other non metallic minerals | 0.0002 | 0.0004 | 0.0006 | 0.0002 | 0.0001 | 0.0021 | 0.0012 | 0.0008 | 0.0002 | 0.0006 |
| 39 | Sugar | 0.0001 | 0.0003 | 0.0004 | 0.0002 | 0.0001 | 0.0012 | 0.0007 | 0.0005 | 0.0002 | 0.0007 |
| 40 | Khandsari, boora | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 41 | Milling of Grain and Pulses | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0005 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0002 | 0.0004 | 0.0006 | 0.0002 | 0.0001 | 0.0018 | 0.0009 | 0.0043 | 0.0027 | 0.0273 |
| 43 | Beverages | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0005 | 0.0003 | 0.0002 | 0.0001 | 0.0001 |
| 44 | Tobacco products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 46 | Cotton textiles | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0004 | 0.0003 | 0.0002 | 0.0167 | 0.0002 |
| 47 | Readymade garments | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| 48 | Miscellaneous textile products | 0.0001 | 0.0002 | 0.0003 | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0004 | 0.0001 |
| 49 | Furniture and fixtures-wooden | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0002 | 0.0001 | 0.0003 | 0.0001 | 0.0001 |
| 50 | Wood and wood products | 0.0002 | 0.0004 | 0.0006 | 0.0001 | 0.0001 | 0.0006 | 0.0003 | 0.0003 | 0.0003 | 0.0002 |
| 51 | Paper, paper prods. & newsprint | 0.0018 | 0.0054 | 0.0071 | 0.0075 | 0.0020 | 0.0011 | 0.0003 | 0.0005 | 0.0014 | 0.0003 |
| 52 | Printing and publishing | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0000 | 0.0005 | 0.0001 | 0.0002 | 0.0011 | 0.0001 |
| 53 | Leather footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54 | Leather and leather products | 0.0001 | 0.0003 | 0.0004 | 0.0001 | 0.0001 | 0.0004 | 0.0002 | 0.0002 | 0.0001 | 0.0001 |
| 55 | Rubber products | 0.0002 | 0.0003 | 0.0005 | 0.0001 | 0.0001 | 0.0004 | 0.0002 | 0.0004 | 0.0006 | 0.0004 |
| 56 | Plastic products | 0.0128 | 0.0263 | 0.0388 | 0.0073 | 0.0091 | 0.0086 | 0.0052 | 0.0040 | 0.0015 | 0.0042 |
| 57 | Coal tar products | 0.0006 | 0.0014 | 0.0021 | 0.0005 | 0.0005 | 0.0041 | 0.0043 | 0.0031 | 0.0008 | 0.0022 |
| 58 | Inorganic heavy chemicals | 0.0004 | 0.0010 | 0.0016 | 0.0004 | 0.0004 | 0.0039 | 0.0024 | 0.0017 | 0.0005 | 0.0013 |
| 59 | Fertilizers | 0.0039 | 0.0130 | 0.0208 | 0.0049 | 0.0048 | 0.1156 | 0.0687 | 0.0445 | 0.0071 | 0.0330 |
| 60 | Paints, varnishes and lacquers | 0.0003 | 0.0008 | 0.0011 | 0.0003 | 0.0003 | 0.0014 | 0.0008 | 0.0006 | 0.0018 | 0.0005 |
| 61 | Drugs and medicines | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0000 | 0.0003 | 0.0002 | 0.0004 | 0.0019 | 0.0003 |
| 62 | Synthetic fibers, resin | 0.0011 | 0.0022 | 0.0033 | 0.0007 | 0.0008 | 0.0013 | 0.0007 | 0.0006 | 0.0003 | 0.0006 |
| 63 | Other chemicals | 0.0025 | 0.0058 | 0.0086 | 0.0025 | 0.0021 | 0.0111 | 0.0082 | 0.0059 | 0.0022 | 0.0044 |
| 64 | Other non-metallic mineral prods. | 0.0007 | 0.0023 | 0.0037 | 0.0009 | 0.0009 | 0.0198 | 0.0117 | 0.0077 | 0.0013 | 0.0057 |
| 65 | Iron, steel and ferro alloys | 0.0001 | 0.0001 | 0.0003 | 0.0001 | 0.0001 | 0.0006 | 0.0003 | 0.0005 | 0.0003 | 0.0005 |
| 66 | Iron and steel foundries | 0.0004 | 0.0007 | 0.0011 | 0.0003 | 0.0003 | 0.0020 | 0.0014 | 0.0020 | 0.0007 | 0.0018 |
| 67 | Non-ferrous basic metals | 0.0001 | 0.0002 | 0.0004 | 0.0001 | 0.0001 | 0.0009 | 0.0005 | 0.0007 | 0.0004 | 0.0008 |
| 68 | Tractors and agri. implements | 0.0001 | 0.0002 | 0.0004 | 0.0001 | 0.0001 | 0.0101 | 0.0669 | 0.1027 | 0.0084 | 0.0350 |
| 69 | Machine tools | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 70 | Other non-electrical machinery | 0.0003 | 0.0005 | 0.0009 | 0.0002 | 0.0002 | 0.0023 | 0.0013 | 0.0058 | 0.0012 | 0.0104 |
| 71 | Electrical industrial Machinery | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0013 | 0.0007 | 0.0007 | 0.0001 | 0.0004 |
| 72 | Electrical wires & cables | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0001 |
| 73 | Batteries | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 74 | Electrical appliances | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 |
| 75 | Communication equipments | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 76 | Other electrical Machinery | 0.0001 | 0.0002 | 0.0003 | 0.0001 | 0.0001 | 0.0010 | 0.0006 | 0.0007 | 0.0002 | 0.0005 |
| 77 | Electronic equipments(incl.TV) | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| 78 | Ships and boats | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 79 | Rail equipments | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 |
| 80 | Motor vehicles | 0.0001 | 0.0001 | 0.0002 | 0.0000 | 0.0000 | 0.0007 | 0.0004 | 0.0005 | 0.0005 | 0.0004 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 82 | Bicycles, cycle-rickshaw | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 83 | Other transport equipments | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0003 | 0.0002 | 0.0006 | 0.0002 | 0.0003 |
| 84 | Watches and clocks | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 85 | Medical, precision & optical instr. | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 86 | Jems & jewelry | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | - | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0003 | 0.0007 | 0.0010 | 0.0003 | 0.0002 | 0.0011 | 0.0006 | 0.0005 | 0.0005 | 0.0004 |
| 89 | Construction | 0.0006 | 0.0007 | 0.0015 | 0.0004 | 0.0003 | 0.0015 | 0.0007 | 0.0008 | 0.0010 | 0.0004 |
| 90 | Water supply | 0.0059 | 0.0071 | 0.0144 | 0.0034 | 0.0033 | 0.0004 | 0.0001 | 0.0004 | 0.0001 | 0.0001 |
| 91 | Railway transport services | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0007 | 0.0004 | 0.0004 | 0.0006 | 0.0002 |
| 92 | Land tpt including via pipeline | 0.0009 | 0.0011 | 0.0022 | 0.0005 | 0.0005 | 0.0036 | 0.0008 | 0.0014 | 0.0163 | 0.0007 |
| 93 | Air transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0003 | 0.0000 |
| 94 | Supporting and aux. tpt activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0001 | 0.0001 | 0.0015 | 0.0001 |
| 95 | Storage and warehousing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0000 | 0.0004 | 0.0000 |
| 96 | Communication | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0007 | 0.0003 | 0.0003 | 0.0006 | 0.0002 |
| 97 | Trade | 0.0002 | 0.0004 | 0.0007 | 0.0002 | 0.0002 | 0.0528 | 0.0016 | 0.0018 | 0.0721 | 0.0012 |
| 98 | Hotels and restaurants | 0.0002 | 0.0002 | 0.0004 | 0.0001 | 0.0001 | 0.0015 | 0.0003 | 0.0005 | 0.0027 | 0.0002 |
| 99 | Banking | 0.0002 | 0.0004 | 0.0007 | 0.0002 | 0.0002 | 0.0041 | 0.0013 | 0.0014 | 0.0044 | 0.0008 |
| 100 | Education and research | 0.0001 | 0.0002 | 0.0004 | 0.0001 | 0.0001 | 0.0009 | 0.0005 | 0.0034 | 0.0003 | 0.0010 |
| 101 | Medical and health | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0003 | 0.0001 | 0.0011 | 0.0001 | 0.0003 |
| 102 | Business services | 0.0006 | 0.0008 | 0.0016 | 0.0004 | 0.0004 | 0.0028 | 0.0014 | 0.0421 | 0.0020 | 0.0029 |
| 103 | Computer & related activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0000 |
| 104 | Real estate activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 |
| 105 | O.com, social&personal services | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 |
| 106 | Other services | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 |
| 107 | Public administration | 0.0032 | 0.0047 | 0.0086 | 0.0024 | 0.0020 | 0.0186 | 0.0098 | 0.0785 | 0.0069 | 0.0227 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Paddy | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0005 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 |
| 2 | Wheat | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 3 | Jowar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 5 | Maize | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 6 | Gram | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 7 | Barley | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 8 | Sugarcane | 0.0006 | 0.0005 | 0.0003 | 0.0013 | 0.0057 | 0.0003 | 0.0010 | 0.0000 | 0.7782 | 0.8644 |
| 9 | Groundnut | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 10 | Sesamum | - | - | - | - | - | - | - | - | - | - |
| 11 | Rapeseed & Mustard | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | Other oilseeds | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0002 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 13 | Cotton | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | Arhar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | Urad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | Other Pulses | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0005 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 18 | Potato | 0.0000 | 0.0003 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 19 | Vegetables | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 20 | Mango | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | Guava | - | - | - | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | - | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | Other Fruits | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27 | Other crops | 0.0003 | 0.0005 | 0.0003 | 0.0006 | 0.0035 | 0.0002 | 0.0008 | 0.0000 | 0.0011 | 0.0002 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - | - | - | - |
| 29 | Milk and milk products | 0.0003 | 0.0002 | 0.0002 | 0.0004 | 0.0040 | 0.0002 | 0.0005 | 0.0000 | 0.0001 | 0.0001 |
| 30 | Other liv.st. produ. | 0.0003 | 0.0001 | 0.0001 | 0.0003 | 0.0031 | 0.0001 | 0.0004 | 0.0000 | 0.0001 | 0.0001 |
| 31 | Forestry and logging | 1.0618 | 0.0015 | 0.0003 | 0.0011 | 0.0024 | 0.0003 | 0.0014 | 0.0000 | 0.0004 | 0.0003 |
| 32 | Fishing | 0.0000 | 1.0989 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 33 | Coal and lignite | 0.0028 | 0.0023 | 1.0049 | 0.0140 | 0.1122 | 0.0011 | 0.0037 | 0.0001 | 0.0163 | 0.0051 |
| 34 | Petroleum products | 0.1637 | 0.0346 | 0.0117 | 1.7164 | 0.1817 | 0.0065 | 0.0324 | 0.0010 | 0.0227 | 0.0633 |
| 35 | Electricity | 0.0147 | 0.0037 | 0.0082 | 0.0318 | 1.2180 | 0.0057 | 0.0205 | 0.0005 | 0.0052 | 0.0170 |
| 36 | Natural gas | 0.0525 | 0.0113 | 0.0040 | 0.5421 | 0.0851 | 1.0025 | 0.0112 | 0.0004 | 0.0092 | 0.0230 |
| 37 | Lime stone | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 |
| 38 | Other non metallic minerals | 0.0002 | 0.0003 | 0.0002 | 0.0013 | 0.0017 | 0.0002 | 0.0009 | 1.0000 | 0.0008 | 0.0011 |
| 39 | Sugar | 0.0002 | 0.0004 | 0.0002 | 0.0011 | 0.0009 | 0.0001 | 0.0005 | 0.0000 | 1.0491 | 0.0002 |
| 40 | Khandsari, boora | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0189 |
| 41 | Milling of Grain and Pulses | 0.0001 | 0.0001 | 0.0000 | 0.0003 | 0.0004 | 0.0000 | 0.0001 | 0.0000 | 0.0002 | 0.0000 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0016 | 0.0004 | 0.0006 | 0.0016 | 0.0172 | 0.0007 | 0.0020 | 0.0001 | 0.0003 | 0.0004 |
| 43 | Beverages | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 44 | Tobacco products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 46 | Cotton textiles | 0.0001 | 0.0003 | 0.0001 | 0.0003 | 0.0008 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0001 |
| 47 | Readymade garments | 0.0001 | 0.0000 | 0.0002 | 0.0002 | 0.0030 | 0.0003 | 0.0003 | 0.0000 | 0.0000 | 0.0001 |
| 48 | Miscellaneous textile products | 0.0001 | 0.0304 | 0.0002 | 0.0002 | 0.0015 | 0.0002 | 0.0006 | 0.0000 | 0.0001 | 0.0002 |
| 49 | Furniture and fixtures-wooden | 0.0001 | 0.0001 | 0.0002 | 0.0003 | 0.0036 | 0.0002 | 0.0002 | 0.0000 | 0.0000 | 0.0001 |
| 50 | Wood and wood products | 0.0002 | 0.0062 | 0.0009 | 0.0009 | 0.0036 | 0.0005 | 0.0011 | 0.0000 | 0.0004 | 0.0004 |
| 51 | Paper, paper prods. & newsprint | 0.0003 | 0.0027 | 0.0006 | 0.0007 | 0.0072 | 0.0004 | 0.0012 | 0.0000 | 0.0299 | 0.0005 |
| 52 | Printing and publishing | 0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0033 | 0.0001 | 0.0005 | 0.0000 | 0.0003 | 0.0001 |
| 53 | Leather footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54 | Leather and leather products | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0006 | 0.0001 | 0.0001 | 0.0000 | 0.0002 | 0.0002 |
| 55 | Rubber products | 0.0004 | 0.0007 | 0.0011 | 0.0009 | 0.0040 | 0.0009 | 0.0049 | 0.0001 | 0.0002 | 0.0003 |
| 56 | Plastic products | 0.0015 | 0.0049 | 0.0018 | 0.0071 | 0.0138 | 0.0016 | 0.0057 | 0.0002 | 0.0159 | 0.0205 |
| 57 | Coal tar products | 0.0065 | 0.0016 | 0.0006 | 0.0674 | 0.0114 | 0.0004 | 0.0020 | 0.0001 | 0.0016 | 0.0033 |
| 58 | Inorganic heavy chemicals | 0.0007 | 0.0014 | 0.0007 | 0.0055 | 0.0026 | 0.0006 | 0.0026 | 0.0001 | 0.0098 | 0.0143 |
| 59 | Fertilizers | 0.0021 | 0.0003 | 0.0001 | 0.0005 | 0.0007 | 0.0001 | 0.0003 | 0.0000 | 0.0004 | 0.0005 |
| 60 | Paints, varnishes and lacquers | 0.0003 | 0.0018 | 0.0003 | 0.0016 | 0.0023 | 0.0003 | 0.0011 | 0.0000 | 0.0006 | 0.0006 |
| 61 | Drugs and medicines | 0.0003 | 0.0002 | 0.0002 | 0.0012 | 0.0021 | 0.0002 | 0.0007 | 0.0000 | 0.0002 | 0.0002 |
| 62 | Synthetic fibers, resin | 0.0003 | 0.0045 | 0.0004 | 0.0009 | 0.0029 | 0.0004 | 0.0014 | 0.0000 | 0.0015 | 0.0017 |
| 63 | Other chemicals | 0.0064 | 0.0075 | 0.0068 | 0.0625 | 0.0205 | 0.0052 | 0.0254 | 0.0012 | 0.0080 | 0.0083 |
| 64 | Other non-metallic mineral prods. | 0.0005 | 0.0004 | 0.0002 | 0.0009 | 0.0026 | 0.0005 | 0.0008 | 0.0000 | 0.0005 | 0.0008 |
| 65 | Iron, steel and ferro alloys | 0.0004 | 0.0003 | 0.0004 | 0.0006 | 0.0074 | 0.0007 | 0.0020 | 0.0000 | 0.0001 | 0.0002 |
| 66 | Iron and steel foundries | 0.0021 | 0.0034 | 0.0014 | 0.0018 | 0.0276 | 0.0016 | 0.0047 | 0.0001 | 0.0005 | 0.0008 |
| 67 | Non-ferrous basic metals | 0.0006 | 0.0007 | 0.0005 | 0.0007 | 0.0087 | 0.0005 | 0.0016 | 0.0000 | 0.0004 | 0.0002 |
| 68 | Tractors and agri. implements | 0.1634 | 0.0005 | 0.0013 | 0.0016 | 0.0136 | 0.0020 | 0.0069 | 0.0001 | 0.0003 | 0.0003 |
| 69 | Machine tools | 0.0000 | 0.0001 | 0.0010 | 0.0002 | 0.0002 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 70 | Other non-electrical machinery | 0.0086 | 0.0006 | 0.0042 | 0.0048 | 0.0441 | 0.0067 | 0.0228 | 0.0004 | 0.0004 | 0.0008 |
| 71 | Electrical industrial Machinery | 0.0004 | 0.0001 | 0.0002 | 0.0009 | 0.0317 | 0.0002 | 0.0006 | 0.0000 | 0.0002 | 0.0005 |
| 72 | Electrical wires & cables | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0011 | 0.0001 | 0.0003 | 0.0000 | 0.0000 | 0.0000 |
| 73 | Batteries | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0008 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 74 | Electrical appliances | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0010 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 75 | Communication equipments | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0016 | 0.0001 | 0.0002 | 0.0000 | 0.0000 | 0.0000 |
| 76 | Other electrical Machinery | 0.0004 | 0.0006 | 0.0004 | 0.0008 | 0.0242 | 0.0003 | 0.0010 | 0.0000 | 0.0002 | 0.0004 |
| 77 | Electronic equipments(incl.TV) | 0.0001 | 0.0001 | 0.0003 | 0.0002 | 0.0034 | 0.0002 | 0.0002 | 0.0000 | 0.0000 | 0.0001 |
| 78 | Ships and boats | 0.0000 | 0.0366 | 0.0000 | 0.0000 | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 79 | Rail equipments | 0.0000 | 0.0000 | 0.0003 | 0.0002 | 0.0023 | 0.0002 | 0.0003 | 0.0000 | 0.0000 | 0.0000 |
| 80 | Motor vehicles | 0.0003 | 0.0004 | 0.0027 | 0.0009 | 0.0095 | 0.0012 | 0.0015 | 0.0000 | 0.0001 | 0.0002 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 82 | Bicycles, cycle-rickshaw | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 83 | Other transport equipments | 0.0004 | 0.0001 | 0.0007 | 0.0004 | 0.0055 | 0.0004 | 0.0007 | 0.0000 | 0.0001 | 0.0001 |
| 84 | Watches and clocks | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 85 | Medical, precision & optical instr. | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 86 | Jems & jewelry | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | - | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0004 | 0.0007 | 0.0005 | 0.0029 | 0.0100 | 0.0005 | 0.0015 | 0.0001 | 0.0007 | 0.0008 |
| 89 | Construction | 0.0006 | 0.0004 | 0.0011 | 0.0027 | 0.0264 | 0.0038 | 0.0154 | 0.0003 | 0.0002 | 0.0005 |
| 90 | Water supply | 0.0005 | 0.0000 | 0.0001 | 0.0001 | 0.0017 | 0.0002 | 0.0002 | 0.0000 | 0.0000 | 0.0000 |
| 91 | Railway transport services | 0.0003 | 0.0003 | 0.0017 | 0.0011 | 0.0155 | 0.0014 | 0.0018 | 0.0002 | 0.0001 | 0.0003 |
| 92 | Land tpt including via pipeline | 0.0009 | 0.0124 | 0.0064 | 0.0026 | 0.0309 | 0.0033 | 0.0103 | 0.0005 | 0.0003 | 0.0005 |
| 93 | Air transport | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0007 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 94 | Supporting and aux. tpt activities | 0.0001 | 0.0011 | 0.0006 | 0.0005 | 0.0024 | 0.0009 | 0.0005 | 0.0000 | 0.0000 | 0.0001 |
| 95 | Storage and warehousing | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0004 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 96 | Communication | 0.0002 | 0.0003 | 0.0005 | 0.0005 | 0.0114 | 0.0004 | 0.0014 | 0.0001 | 0.0001 | 0.0002 |
| 97 | Trade | 0.0011 | 0.0186 | 0.0044 | 0.0031 | 0.0722 | 0.0024 | 0.0082 | 0.0003 | 0.0004 | 0.0011 |
| 98 | Hotels and restaurants | 0.0003 | 0.0015 | 0.0011 | 0.0008 | 0.0130 | 0.0009 | 0.0022 | 0.0003 | 0.0001 | 0.0002 |
| 99 | Banking | 0.0009 | 0.0010 | 0.0036 | 0.0026 | 0.0583 | 0.0022 | 0.0077 | 0.0005 | 0.0003 | 0.0009 |
| 100 | Education and research | 0.0017 | 0.0002 | 0.0039 | 0.0010 | 0.0187 | 0.0010 | 0.0018 | 0.0000 | 0.0002 | 0.0003 |
| 101 | Medical and health | 0.0005 | 0.0001 | 0.0002 | 0.0003 | 0.0059 | 0.0002 | 0.0006 | 0.0000 | 0.0000 | 0.0001 |
| 102 | Business services | 0.0166 | 0.0009 | 0.0023 | 0.0027 | 0.0527 | 0.0025 | 0.0054 | 0.0001 | 0.0005 | 0.0008 |
| 103 | Computer & related activities | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0009 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 104 | Real estate activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 105 | Comm. Social & personal services | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0031 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 106 | Other services | 0.0001 | 0.0000 | 0.0007 | 0.0008 | 0.0006 | 0.0014 | 0.0054 | 0.0002 | 0.0000 | 0.0000 |
| 107 | Public administration | 0.0391 | 0.0038 | 0.0114 | 0.0177 | 0.4195 | 0.0135 | 0.0402 | 0.0009 | 0.0035 | 0.0063 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Paddy | 0.4442 | 0.0090 | 0.0100 | 0.0007 | 0.0000 | 0.0003 | 0.0002 | 0.0009 | 0.0009 | 0.0007 |
| 2 | Wheat | 0.2416 | 0.0046 | 0.0054 | 0.0004 | 0.0000 | 0.0001 | 0.0001 | 0.0004 | 0.0005 | 0.0003 |
| 3 | Jowar | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 5 | Maize | 0.0009 | 0.0050 | 0.0026 | 0.0003 | 0.0000 | 0.0002 | 0.0002 | 0.0005 | 0.0004 | 0.0004 |
| 6 | Gram | 0.0020 | 0.0022 | 0.0003 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 |
| 7 | Barley | 0.0000 | 0.0005 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 8 | Sugarcane | 0.0147 | 0.2994 | 0.2231 | 0.0157 | 0.0002 | 0.0028 | 0.0028 | 0.0109 | 0.0217 | 0.0083 |
| 9 | Groundnut | 0.0007 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 10 | Sesamum | - | - | - | - | - | - | - | - | - | - |
| 11 | Rapeseed & Mustard | 0.0007 | 0.0177 | 0.0018 | 0.0004 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0012 | 0.0001 |
| 12 | Other oilseeds | 0.0018 | 0.0079 | 0.0011 | 0.0074 | 0.0000 | 0.0002 | 0.0002 | 0.0005 | 0.0006 | 0.0004 |
| 13 | Cotton | 0.0000 | 0.0001 | 0.0002 | 0.0000 | 0.0002 | 0.0637 | 0.0054 | 0.0004 | 0.0001 | 0.0003 |
| 14 | Arhar | 0.0032 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0423 | 0.0007 | 0.0009 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 |
| 16 | Urad | 0.0083 | 0.0009 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 17 | Other Pulses | 0.0061 | 0.0060 | 0.0009 | 0.0002 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0007 | 0.0001 |
| 18 | Potato | 0.0017 | 0.0007 | 0.0002 | 0.0002 | 0.0002 | 0.0001 | 0.0017 | 0.0113 | 0.0002 | 0.0086 |
| 19 | Vegetables | 0.0005 | 0.0007 | 0.0001 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0000 |
| 20 | Mango | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | Guava | - | - | - | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | - | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | Other Fruits | 0.0001 | 0.0016 | 0.0003 | 0.0203 | 0.0000 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0001 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0931 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27 | Other crops | 0.0213 | 0.1044 | 0.0167 | 0.0499 | 0.0001 | 0.0023 | 0.0028 | 0.0049 | 0.0089 | 0.0038 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - | - | - | - |
| 29 | Milk and milk products | 0.0086 | 0.1824 | 0.0343 | 0.0049 | 0.0001 | 0.0009 | 0.0006 | 0.0011 | 0.0134 | 0.0009 |
| 30 | Other liv.st. produ. | 0.0059 | 0.1592 | 0.0173 | 0.0043 | 0.0001 | 0.0009 | 0.0027 | 0.0020 | 0.0117 | 0.0015 |
| 31 | Forestry and logging | 0.0202 | 0.0235 | 0.0058 | 0.0993 | 0.0008 | 0.0023 | 0.0075 | 0.0449 | 0.0338 | 0.0343 |
| 32 | Fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 33 | Coal and lignite | 0.0069 | 0.0120 | 0.0470 | 0.0137 | 0.0019 | 0.0140 | 0.0368 | 0.0614 | 0.0137 | 0.0469 |
| 34 | Petroleum products | 0.0216 | 0.0496 | 0.1121 | 0.0524 | 0.0035 | 0.0386 | 0.0494 | 0.1156 | 0.0414 | 0.0882 |
| 35 | Electricity | 0.0406 | 0.0322 | 0.0837 | 0.0296 | 0.0098 | 0.0408 | 0.0495 | 0.0824 | 0.0640 | 0.0629 |
| 36 | Natural gas | 0.0115 | 0.0196 | 0.0423 | 0.0222 | 0.0015 | 0.0180 | 0.0190 | 0.0471 | 0.0157 | 0.0359 |
| 37 | Lime stone | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0003 | 0.0000 | 0.0002 |
| 38 | Other non metallic minerals | 0.0003 | 0.0009 | 0.0031 | 0.0013 | 0.0001 | 0.0020 | 0.0016 | 0.0064 | 0.0014 | 0.0049 |
| 39 | Sugar | 0.0026 | 0.0132 | 0.2602 | 0.0120 | 0.0002 | 0.0021 | 0.0026 | 0.0124 | 0.0015 | 0.0095 |
| 40 | Khandsari, boora | 0.0026 | 0.0013 | 0.0003 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0000 |
| 41 | Milling of Grain and Pulses | 1.1155 | 0.0190 | 0.0247 | 0.0017 | 0.0000 | 0.0006 | 0.0005 | 0.0020 | 0.0015 | 0.0015 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0384 | 1.0497 | 0.1082 | 0.0244 | 0.0002 | 0.0046 | 0.0031 | 0.0057 | 0.0739 | 0.0044 |
| 43 | Beverages | 0.0000 | 0.0001 | 1.0488 | 0.0410 | 0.0000 | 0.0002 | 0.0001 | 0.0002 | 0.0001 | 0.0002 |
| 44 | Tobacco products | 0.0000 | 0.0000 | 0.0000 | 1.0200 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 1.0000 | 0.0000 | 0.0027 | 0.0001 | 0.0001 | 0.0001 |
| 46 | Cotton textiles | 0.0003 | 0.0038 | 0.0044 | 0.0009 | 0.0044 | 1.7247 | 0.1475 | 0.0100 | 0.0014 | 0.0076 |
| 47 | Readymade garments | 0.0001 | 0.0002 | 0.0003 | 0.0001 | 0.0000 | 0.0002 | 1.0969 | 0.0004 | 0.0017 | 0.0003 |
| 48 | Miscellaneous textile products | 0.0002 | 0.0005 | 0.0024 | 0.0011 | 0.0188 | 0.0096 | 0.1523 | 1.0316 | 0.0064 | 0.0241 |
| 49 | Furniture and fixtures-wooden | 0.0002 | 0.0007 | 0.0004 | 0.0002 | 0.0001 | 0.0004 | 0.0006 | 0.0024 | 1.0139 | 0.0018 |
| 50 | Wood and wood products | 0.0005 | 0.0010 | 0.0076 | 0.0179 | 0.0034 | 0.0052 | 0.0284 | 0.1844 | 0.0130 | 1.1406 |
| 51 | Paper, paper prods. & newsprint | 0.0008 | 0.0028 | 0.0149 | 0.0442 | 0.0016 | 0.0386 | 0.0332 | 0.0792 | 0.0100 | 0.0604 |
| 52 | Printing and publishing | 0.0002 | 0.0007 | 0.0010 | 0.0027 | 0.0002 | 0.0538 | 0.0082 | 0.0016 | 0.0033 | 0.0012 |
| 53 | Leather footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0011 | 0.0001 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54 | Leather and leather products | 0.0003 | 0.0006 | 0.0030 | 0.0011 | 0.0001 | 0.0006 | 0.0102 | 0.0033 | 0.0013 | 0.0025 |
| 55 | Rubber products | 0.0004 | 0.0020 | 0.0032 | 0.0016 | 0.0002 | 0.0022 | 0.0026 | 0.0096 | 0.0091 | 0.0073 |
| 56 | Plastic products | 0.0225 | 0.0463 | 0.2977 | 0.1010 | 0.0028 | 0.0229 | 0.0699 | 0.1393 | 0.0256 | 0.1062 |
| 57 | Coal tar products | 0.0018 | 0.0042 | 0.0179 | 0.0061 | 0.0003 | 0.0038 | 0.0051 | 0.0115 | 0.0031 | 0.0088 |
| 58 | Inorganic heavy chemicals | 0.0008 | 0.0023 | 0.0173 | 0.0045 | 0.0008 | 0.0103 | 0.0085 | 0.0390 | 0.0043 | 0.0298 |
| 59 | Fertilizers | 0.0023 | 0.0089 | 0.0075 | 0.0168 | 0.0002 | 0.0126 | 0.0033 | 0.0073 | 0.0014 | 0.0056 |
| 60 | Paints, varnishes and lacquers | 0.0007 | 0.0017 | 0.0080 | 0.0036 | 0.0015 | 0.1672 | 0.0250 | 0.0563 | 0.0049 | 0.0429 |
| 61 | Drugs and medicines | 0.0008 | 0.0023 | 0.0018 | 0.0008 | 0.0002 | 0.0016 | 0.0010 | 0.0032 | 0.0069 | 0.0024 |
| 62 | Synthetic fibers, resin | 0.0020 | 0.0042 | 0.0302 | 0.0103 | 0.0027 | 0.0086 | 0.0264 | 0.1450 | 0.0065 | 0.1106 |
| 63 | Other chemicals | 0.0052 | 0.0142 | 0.0763 | 0.0312 | 0.0032 | 0.0675 | 0.0441 | 0.1597 | 0.0124 | 0.1218 |
| 64 | Other non-metallic mineral prods. | 0.0006 | 0.0018 | 0.0029 | 0.0035 | 0.0003 | 0.0033 | 0.0026 | 0.0122 | 0.0017 | 0.0093 |
| 65 | Iron, steel and ferro alloys | 0.0004 | 0.0008 | 0.0010 | 0.0005 | 0.0002 | 0.0023 | 0.0014 | 0.0051 | 0.0073 | 0.0039 |
| 66 | Iron and steel foundries | 0.0028 | 0.0034 | 0.0074 | 0.0037 | 0.0017 | 0.0115 | 0.0151 | 0.0813 | 0.0268 | 0.0620 |
| 67 | Non-ferrous basic metals | 0.0005 | 0.0013 | 0.0020 | 0.0013 | 0.0005 | 0.0246 | 0.0067 | 0.0189 | 0.0110 | 0.0144 |
| 68 | Tractors and agri. implements | 0.0061 | 0.0160 | 0.0038 | 0.0207 | 0.0003 | 0.0132 | 0.0036 | 0.0088 | 0.0425 | 0.0067 |
| 69 | Machine tools | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0006 | 0.0036 | 0.0011 | 0.0027 |
| 70 | Other non-electrical machinery | 0.0022 | 0.0140 | 0.0054 | 0.0026 | 0.0005 | 0.0437 | 0.0077 | 0.0053 | 0.1259 | 0.0040 |
| 71 | Electrical industrial Machinery | 0.0011 | 0.0009 | 0.0027 | 0.0010 | 0.0003 | 0.0012 | 0.0014 | 0.0024 | 0.0019 | 0.0019 |
| 72 | Electrical wires & cables | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0004 | 0.0001 | 0.0003 | 0.0011 | 0.0002 |
| 73 | Batteries | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0005 | 0.0001 | 0.0001 | 0.0001 | 0.0003 | 0.0001 |
| 74 | Electrical appliances | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0000 | 0.0002 | 0.0003 | 0.0018 | 0.0004 | 0.0014 |
| 75 | Communication equipments | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0005 | 0.0001 |
| 76 | Other electrical Machinery | 0.0009 | 0.0011 | 0.0026 | 0.0010 | 0.0003 | 0.0017 | 0.0025 | 0.0047 | 0.0047 | 0.0036 |
| 77 | Electronic equipments(incl.TV) | 0.0001 | 0.0002 | 0.0004 | 0.0001 | 0.0000 | 0.0002 | 0.0003 | 0.0009 | 0.0010 | 0.0007 |
| 78 | Ships and boats | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 79 | Rail equipments | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0001 |
| 80 | Motor vehicles | 0.0004 | 0.0008 | 0.0010 | 0.0004 | 0.0001 | 0.0012 | 0.0007 | 0.0012 | 0.0048 | 0.0009 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 |
| 82 | Bicycles, cycle-rickshaw | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0009 | 0.0000 |
| 83 | Other transport equipments | 0.0002 | 0.0014 | 0.0006 | 0.0002 | 0.0001 | 0.0009 | 0.0006 | 0.0008 | 0.0139 | 0.0006 |
| 84 | Watches and clocks | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0001 | 0.0002 |
| 85 | Medical, precision&optical instru.s | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 86 | Jems & jewelry | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0020 | 0.0000 | 0.0015 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | - | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0008 | 0.0016 | 0.0081 | 0.0033 | 0.0003 | 0.0072 | 0.0044 | 0.0136 | 0.0023 | 0.0103 |
| 89 | Construction | 0.0009 | 0.0011 | 0.0023 | 0.0008 | 0.0002 | 0.0021 | 0.0013 | 0.0021 | 0.0055 | 0.0016 |
| 90 | Water supply | 0.0001 | 0.0003 | 0.0030 | 0.0003 | 0.0000 | 0.0120 | 0.0011 | 0.0002 | 0.0015 | 0.0002 |
| 91 | Railway transport services | 0.0005 | 0.0006 | 0.0012 | 0.0004 | 0.0001 | 0.0006 | 0.0007 | 0.0012 | 0.0015 | 0.0009 |
| 92 | Land tpt including via pipeline | 0.0013 | 0.0054 | 0.0037 | 0.0013 | 0.0003 | 0.0034 | 0.0020 | 0.0029 | 0.0234 | 0.0022 |
| 93 | Air transport | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0022 | 0.0001 |
| 94 | Supporting and aux. tpt activities | 0.0001 | 0.0004 | 0.0003 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0002 | 0.0011 | 0.0002 |
| 95 | Storage and warehousing | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 |
| 96 | Communication | 0.0004 | 0.0006 | 0.0009 | 0.0003 | 0.0001 | 0.0005 | 0.0005 | 0.0008 | 0.0035 | 0.0006 |
| 97 | Trade | 0.0031 | 0.0154 | 0.0078 | 0.0069 | 0.0006 | 0.0030 | 0.0033 | 0.0055 | 0.0321 | 0.0042 |
| 98 | Hotels and restaurants | 0.0005 | 0.0013 | 0.0012 | 0.0005 | 0.0001 | 0.0009 | 0.0007 | 0.0010 | 0.0067 | 0.0008 |
| 99 | Banking | 0.0020 | 0.0026 | 0.0045 | 0.0017 | 0.0005 | 0.0024 | 0.0026 | 0.0043 | 0.0213 | 0.0033 |
| 100 | Education and research | 0.0010 | 0.0082 | 0.0024 | 0.0010 | 0.0002 | 0.0037 | 0.0025 | 0.0020 | 0.0862 | 0.0015 |
| 101 | Medical and health | 0.0003 | 0.0026 | 0.0007 | 0.0003 | 0.0001 | 0.0012 | 0.0007 | 0.0006 | 0.0270 | 0.0004 |
| 102 | Business services | 0.0032 | 0.0235 | 0.0066 | 0.0040 | 0.0005 | 0.0108 | 0.0067 | 0.0057 | 0.2568 | 0.0043 |
| 103 | Computer & related activities | 0.0000 | 0.0003 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0026 | 0.0001 |
| 104 | Real estate activities | 0.0000 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0022 | 0.0000 |
| 105 | Comm. Social & personal services | 0.0001 | 0.0002 | 0.0003 | 0.0001 | 0.0000 | 0.0002 | 0.0002 | 0.0003 | 0.0005 | 0.0002 |
| 106 | Other services | 0.0000 | 0.0002 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0013 | 0.0001 |
| 107 | Public administration | 0.0217 | 0.1873 | 0.0505 | 0.0209 | 0.0038 | 0.0849 | 0.0536 | 0.0406 | 1.9869 | 0.0309 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Paddy | 0.0038 | 0.0019 | 0.0005 | 0.0005 | 0.0003 | 0.0006 | 0.0000 | 0.0004 | 0.0015 | 0.0008 |
| 2 | Wheat | 0.0020 | 0.0010 | 0.0002 | 0.0003 | 0.0001 | 0.0003 | 0.0000 | 0.0001 | 0.0002 | 0.0004 |
| 3 | Jowar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 5 | Maize | 0.0008 | 0.0005 | 0.0007 | 0.0008 | 0.0003 | 0.0008 | 0.0000 | 0.0002 | 0.0003 | 0.0013 |
| 6 | Gram | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 7 | Barley | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 8 | Sugarcane | 0.0238 | 0.0134 | 0.0057 | 0.0072 | 0.0025 | 0.0056 | 0.0000 | 0.0015 | 0.0096 | 0.0076 |
| 9 | Groundnut | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 10 | Sesamum | - | - | - | - | - | - | - | - | - | - |
| 11 | Rapeseed & Mustard | 0.0001 | 0.0002 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0002 | 0.0001 |
| 12 | Other oilseeds | 0.0008 | 0.0005 | 0.0007 | 0.0008 | 0.0003 | 0.0008 | 0.0000 | 0.0002 | 0.0005 | 0.0013 |
| 13 | Cotton | 0.0002 | 0.0005 | 0.0019 | 0.0010 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0001 |
| 14 | Arhar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0004 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 16 | Urad | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | Other Pulses | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0001 |
| 18 | Potato | 0.0001 | 0.0002 | 0.0006 | 0.0004 | 0.0004 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0002 |
| 19 | Vegetables | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0001 |
| 20 | Mango | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | Guava | - | - | - | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | - | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 25 | Other Fruits | 0.0004 | 0.0002 | 0.0002 | 0.0002 | 0.0001 | 0.0003 | 0.0000 | 0.0001 | 0.0001 | 0.0004 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27 | Other crops | 0.0489 | 0.0243 | 0.0667 | 0.1290 | 0.0019 | 0.0050 | 0.0000 | 0.0043 | 0.0079 | 0.0033 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - | - | - | - |
| 29 | Milk and milk products | 0.0016 | 0.0019 | 0.0017 | 0.0026 | 0.0006 | 0.0012 | 0.0000 | 0.0004 | 0.0018 | 0.0015 |
| 30 | Other liv.st. produ. | 0.0017 | 0.0028 | 0.1321 | 0.2587 | 0.0009 | 0.0044 | 0.0000 | 0.0004 | 0.0035 | 0.0017 |
| 31 | Forestry and logging | 0.0143 | 0.0097 | 0.0135 | 0.0053 | 0.1244 | 0.0125 | 0.0000 | 0.0013 | 0.0041 | 0.0067 |
| 32 | Fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 33 | Coal and lignite | 0.1098 | 0.0863 | 0.0535 | 0.0360 | 0.0363 | 0.0508 | 0.0155 | 0.0294 | 0.0730 | 0.0131 |
| 34 | Petroleum products | 0.2282 | 0.1440 | 0.0858 | 0.0705 | 0.1223 | 0.1413 | 0.0013 | 0.7239 | 0.4572 | 0.0752 |
| 35 | Electricity | 0.1060 | 0.0974 | 0.0734 | 0.0436 | 0.0681 | 0.1181 | 0.0004 | 0.0474 | 0.0939 | 0.0356 |
| 36 | Natural gas | 0.0796 | 0.0524 | 0.0357 | 0.0310 | 0.0535 | 0.0613 | 0.0004 | 0.4096 | 0.4019 | 0.0364 |
| 37 | Lime stone | 0.0003 | 0.0002 | 0.0003 | 0.0003 | 0.0001 | 0.0003 | 0.0000 | 0.0003 | 0.0014 | 0.0007 |
| 38 | Other non metallic minerals | 0.0053 | 0.0039 | 0.0068 | 0.0090 | 0.0168 | 0.0098 | 0.0000 | 0.0647 | 0.0173 | 0.0097 |
| 39 | Sugar | 0.0289 | 0.0143 | 0.0042 | 0.0044 | 0.0023 | 0.0053 | 0.0000 | 0.0012 | 0.0095 | 0.0073 |
| 40 | Khandsari, boora | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 41 | Milling of Grain and Pulses | 0.0093 | 0.0046 | 0.0011 | 0.0012 | 0.0006 | 0.0013 | 0.0000 | 0.0003 | 0.0006 | 0.0018 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0080 | 0.0099 | 0.0089 | 0.0138 | 0.0026 | 0.0058 | 0.0000 | 0.0018 | 0.0090 | 0.0073 |
| 43 | Beverages | 0.0003 | 0.0002 | 0.0003 | 0.0003 | 0.0002 | 0.0005 | 0.0000 | 0.0001 | 0.0042 | 0.0005 |
| 44 | Tobacco products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0001 | 0.0002 | 0.0009 | 0.0022 | 0.0005 | 0.0001 | 0.0000 | 0.0000 | 0.0002 | 0.0001 |
| 46 | Cotton textiles | 0.0054 | 0.0144 | 0.0519 | 0.0258 | 0.0010 | 0.0021 | 0.0000 | 0.0003 | 0.0035 | 0.0015 |
| 47 | Readymade garments | 0.0004 | 0.0004 | 0.0031 | 0.0006 | 0.0003 | 0.0005 | 0.0000 | 0.0002 | 0.0004 | 0.0001 |
| 48 | Miscellaneous textile products | 0.0016 | 0.0048 | 0.0525 | 0.0343 | 0.0311 | 0.0101 | 0.0000 | 0.0003 | 0.0012 | 0.0023 |
| 49 | Furniture and fixtures-wooden | 0.0008 | 0.0009 | 0.0006 | 0.0005 | 0.0006 | 0.0008 | 0.0000 | 0.0004 | 0.0010 | 0.0007 |
| 50 | Wood and wood products | 0.0076 | 0.0147 | 0.0146 | 0.0089 | 0.0184 | 0.0209 | 0.0000 | 0.0012 | 0.0035 | 0.0172 |
| 51 | Paper, paper prods. & newsprint | 1.4881 | 0.6899 | 0.0101 | 0.0051 | 0.0197 | 0.0313 | 0.0000 | 0.0010 | 0.0031 | 0.0038 |
| 52 | Printing and publishing | 0.0129 | 1.0088 | 0.0030 | 0.0011 | 0.0006 | 0.0031 | 0.0000 | 0.0002 | 0.0006 | 0.0004 |
| 53 | Leather footwear | 0.0000 | 0.0001 | 1.1626 | 0.0191 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54 | Leather and leather products | 0.0014 | 0.0055 | 0.4910 | 1.2389 | 0.0019 | 0.0156 | 0.0000 | 0.0002 | 0.0031 | 0.0011 |
| 55 | Rubber products | 0.0030 | 0.0067 | 0.0313 | 0.0029 | 1.0653 | 0.0141 | 0.0000 | 0.0012 | 0.0019 | 0.0024 |
| 56 | Plastic products | 0.0922 | 0.1007 | 0.1555 | 0.0545 | 0.1457 | 1.5685 | 0.0000 | 0.0160 | 0.0692 | 0.0823 |
| 57 | Coal tar products | 0.0153 | 0.0119 | 0.0124 | 0.0087 | 0.0111 | 0.0614 | 1.0001 | 0.0333 | 0.0277 | 0.0097 |
| 58 | Inorganic heavy chemicals | 0.0211 | 0.0147 | 0.0259 | 0.0282 | 0.0697 | 0.0341 | 0.0000 | 1.0071 | 0.0324 | 0.0605 |
| 59 | Fertilizers | 0.0064 | 0.0088 | 0.0094 | 0.0112 | 0.0038 | 0.0322 | 0.0000 | 0.0010 | 1.0050 | 0.0041 |
| 60 | Paints, varnishes and lacquers | 0.0143 | 0.0166 | 0.0325 | 0.0110 | 0.0099 | 0.0353 | 0.0000 | 0.0026 | 0.0108 | 1.2388 |
| 61 | Drugs and medicines | 0.0045 | 0.0033 | 0.0039 | 0.0042 | 0.0019 | 0.0051 | 0.0000 | 0.0014 | 0.0020 | 0.0076 |
| 62 | Synthetic fibers, resin | 0.0158 | 0.0162 | 0.0358 | 0.0104 | 0.1031 | 0.1279 | 0.0000 | 0.0018 | 0.0097 | 0.0358 |
| 63 | Other chemicals | 0.2227 | 0.1437 | 0.2011 | 0.2182 | 0.0916 | 0.2465 | 0.0001 | 0.0673 | 0.0851 | 0.4101 |
| 64 | Other non-metallic mineral prods. | 0.0035 | 0.0056 | 0.0044 | 0.0044 | 0.0048 | 0.0105 | 0.0000 | 0.0406 | 0.1708 | 0.0050 |
| 65 | Iron, steel and ferro alloys | 0.0016 | 0.0026 | 0.0013 | 0.0008 | 0.0030 | 0.0026 | 0.0000 | 0.0011 | 0.0030 | 0.0007 |
| 66 | Iron and steel foundries | 0.0100 | 0.0223 | 0.0110 | 0.0068 | 0.0225 | 0.0281 | 0.0000 | 0.0029 | 0.0088 | 0.0045 |
| 67 | Non-ferrous basic metals | 0.0134 | 0.0104 | 0.0038 | 0.0025 | 0.0039 | 0.0061 | 0.0000 | 0.0010 | 0.0049 | 0.0022 |
| 68 | Tractors and agri. implements | 0.0082 | 0.0081 | 0.0084 | 0.0108 | 0.0203 | 0.0045 | 0.0000 | 0.0019 | 0.0033 | 0.0020 |
| 69 | Machine tools | 0.0002 | 0.0002 | 0.0003 | 0.0002 | 0.0002 | 0.0002 | 0.0000 | 0.0002 | 0.0002 | 0.0001 |
| 70 | Other non-electrical machinery | 0.0093 | 0.0163 | 0.0067 | 0.0053 | 0.0043 | 0.0072 | 0.0001 | 0.0046 | 0.0069 | 0.0020 |
| 71 | Electrical industrial Machinery | 0.0030 | 0.0028 | 0.0022 | 0.0012 | 0.0020 | 0.0058 | 0.0000 | 0.0013 | 0.0029 | 0.0011 |
| 72 | Electrical wires & cables | 0.0002 | 0.0003 | 0.0001 | 0.0001 | 0.0002 | 0.0003 | 0.0000 | 0.0002 | 0.0004 | 0.0001 |
| 73 | Batteries | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0002 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 74 | Electrical appliances | 0.0002 | 0.0003 | 0.0003 | 0.0002 | 0.0010 | 0.0005 | 0.0000 | 0.0002 | 0.0007 | 0.0001 |
| 75 | Communication equipments | 0.0002 | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0002 | 0.0001 |
| 76 | Other electrical Machinery | 0.0028 | 0.0034 | 0.0024 | 0.0014 | 0.0071 | 0.0070 | 0.0000 | 0.0012 | 0.0025 | 0.0014 |
| 77 | Electronic equipments(incl.TV) | 0.0004 | 0.0006 | 0.0003 | 0.0002 | 0.0003 | 0.0009 | 0.0000 | 0.0002 | 0.0004 | 0.0002 |
| 78 | Ships and boats | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 79 | Rail equipments | 0.0002 | 0.0002 | 0.0002 | 0.0001 | 0.0001 | 0.0003 | 0.0000 | 0.0002 | 0.0003 | 0.0001 |
| 80 | Motor vehicles | 0.0015 | 0.0022 | 0.0009 | 0.0007 | 0.0008 | 0.0015 | 0.0000 | 0.0009 | 0.0028 | 0.0006 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 82 | Bicycles, cycle-rickshaw | 0.0001 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 83 | Other transport equipments | 0.0011 | 0.0018 | 0.0005 | 0.0004 | 0.0005 | 0.0008 | 0.0000 | 0.0004 | 0.0010 | 0.0003 |
| 84 | Watches and clocks | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 85 | Medical, precision&optical instru.s | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 86 | Jems & jewelry | 0.0000 | 0.0000 | 0.0004 | 0.0007 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | - | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0179 | 0.0786 | 0.0119 | 0.0115 | 0.0070 | 0.0333 | 0.0000 | 0.0033 | 0.0053 | 0.0178 |
| 89 | Construction | 0.0028 | 0.0026 | 0.0018 | 0.0012 | 0.0017 | 0.0029 | 0.0000 | 0.0026 | 0.0036 | 0.0010 |
| 90 | Water supply | 0.0003 | 0.0004 | 0.0005 | 0.0003 | 0.0002 | 0.0002 | 0.0000 | 0.0001 | 0.0003 | 0.0001 |
| 91 | Railway transport services | 0.0016 | 0.0014 | 0.0011 | 0.0007 | 0.0010 | 0.0017 | 0.0000 | 0.0012 | 0.0018 | 0.0006 |
| 92 | Land tpt including via pipeline | 0.0044 | 0.0045 | 0.0026 | 0.0018 | 0.0022 | 0.0038 | 0.0001 | 0.0027 | 0.0042 | 0.0016 |
| 93 | Air transport | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0001 |
| 94 | Supporting and aux. tpt activities | 0.0003 | 0.0003 | 0.0002 | 0.0001 | 0.0002 | 0.0003 | 0.0000 | 0.0005 | 0.0006 | 0.0001 |
| 95 | Storage and warehousing | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0000 |
| 96 | Communication | 0.0011 | 0.0011 | 0.0007 | 0.0005 | 0.0007 | 0.0012 | 0.0000 | 0.0006 | 0.0011 | 0.0004 |
| 97 | Trade | 0.0073 | 0.0067 | 0.0050 | 0.0033 | 0.0044 | 0.0077 | 0.0001 | 0.0039 | 0.0069 | 0.0029 |
| 98 | Hotels and restaurants | 0.0015 | 0.0015 | 0.0009 | 0.0006 | 0.0008 | 0.0014 | 0.0000 | 0.0009 | 0.0014 | 0.0005 |
| 99 | Banking | 0.0057 | 0.0052 | 0.0038 | 0.0023 | 0.0035 | 0.0060 | 0.0001 | 0.0032 | 0.0055 | 0.0019 |
| 100 | Education and research | 0.0050 | 0.0084 | 0.0017 | 0.0012 | 0.0015 | 0.0023 | 0.0001 | 0.0012 | 0.0022 | 0.0008 |
| 101 | Medical and health | 0.0015 | 0.0025 | 0.0005 | 0.0003 | 0.0004 | 0.0007 | 0.0000 | 0.0003 | 0.0006 | 0.0002 |
| 102 | Business services | 0.0134 | 0.0228 | 0.0045 | 0.0031 | 0.0053 | 0.0063 | 0.0000 | 0.0031 | 0.0056 | 0.0022 |
| 103 | Computer & related activities | 0.0002 | 0.0003 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0001 |
| 104 | Real estate activities | 0.0001 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 105 | O.com, social&personal services | 0.0004 | 0.0004 | 0.0003 | 0.0002 | 0.0002 | 0.0004 | 0.0000 | 0.0002 | 0.0003 | 0.0003 |
| 106 | Other services | 0.0003 | 0.0003 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0000 | 0.0006 | 0.0008 | 0.0001 |
| 107 | Public administration | 0.1065 | 0.1858 | 0.0343 | 0.0236 | 0.0307 | 0.0483 | 0.0003 | 0.0219 | 0.0410 | 0.0159 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Paddy | 0.0007 | 0.0003 | 0.0022 | 0.0074 | 0.0001 | 0.0002 | 0.0002 | 0.0001 | 0.0004 | 0.0007 |
| 2 | Wheat | 0.0004 | 0.0002 | 0.0011 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0004 |
| 3 | Jowar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 5 | Maize | 0.0013 | 0.0004 | 0.0040 | 0.0002 | 0.0001 | 0.0002 | 0.0001 | 0.0000 | 0.0002 | 0.0004 |
| 6 | Gram | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 7 | Barley | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 8 | Sugarcane | 0.0375 | 0.0035 | 0.0210 | 0.0016 | 0.0012 | 0.0019 | 0.0035 | 0.0008 | 0.0022 | 0.0184 |
| 9 | Groundnut | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 10 | Sesamum | - | - | - | - | - | - | - | - | - | - |
| 11 | Rapeseed & Mustard | 0.0007 | 0.0001 | 0.0003 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0010 |
| 12 | Other oilseeds | 0.0062 | 0.0004 | 0.0039 | 0.0002 | 0.0001 | 0.0002 | 0.0001 | 0.0000 | 0.0002 | 0.0006 |
| 13 | Cotton | 0.0005 | 0.0001 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | Arhar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | Urad | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 17 | Other Pulses | 0.0008 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0000 | 0.0002 | 0.0001 | 0.0001 | 0.0005 |
| 18 | Potato | 0.0002 | 0.0012 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 |
| 19 | Vegetables | 0.0004 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0002 |
| 20 | Mango | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | Guava | - | - | - | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | - | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | Other Fruits | 0.0004 | 0.0001 | 0.0012 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0001 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27 | Other crops | 0.0134 | 0.0020 | 0.0088 | 0.0327 | 0.0010 | 0.0017 | 0.0019 | 0.0005 | 0.0045 | 0.0077 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - | - | - | - |
| 29 | Milk and milk products | 0.0112 | 0.0007 | 0.0036 | 0.0005 | 0.0006 | 0.0008 | 0.0021 | 0.0005 | 0.0009 | 0.0112 |
| 30 | Other liv.st. produ. | 0.0071 | 0.0012 | 0.0040 | 0.0006 | 0.0008 | 0.0014 | 0.0021 | 0.0004 | 0.0058 | 0.0099 |
| 31 | Forestry and logging | 0.0053 | 0.0079 | 0.0179 | 0.0026 | 0.0048 | 0.0107 | 0.0024 | 0.0006 | 0.0034 | 0.0074 |
| 32 | Fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 33 | Coal and lignite | 0.0115 | 0.0456 | 0.0256 | 0.0661 | 0.0462 | 0.0369 | 0.1249 | 0.0150 | 0.0271 | 0.0494 |
| 34 | Petroleum products | 0.0983 | 0.1054 | 0.1392 | 0.1701 | 0.0632 | 0.0593 | 0.0734 | 0.0242 | 0.0558 | 0.0516 |
| 35 | Electricity | 0.0519 | 0.0726 | 0.0487 | 0.1014 | 0.0889 | 0.0647 | 0.2645 | 0.1517 | 0.0606 | 0.0958 |
| 36 | Natural gas | 0.0447 | 0.0392 | 0.0665 | 0.0626 | 0.0231 | 0.0224 | 0.0324 | 0.0112 | 0.0214 | 0.0202 |
| 37 | Lime stone | 0.0001 | 0.0002 | 0.0014 | 0.0057 | 0.0001 | 0.0002 | 0.0011 | 0.0000 | 0.0002 | 0.0001 |
| 38 | Other non metallic minerals | 0.0032 | 0.0037 | 0.0236 | 0.0328 | 0.0021 | 0.0038 | 0.0034 | 0.0003 | 0.0030 | 0.0037 |
| 39 | Sugar | 0.0103 | 0.0034 | 0.0213 | 0.0012 | 0.0006 | 0.0010 | 0.0006 | 0.0001 | 0.0012 | 0.0016 |
| 40 | Khandsari, boora | 0.0041 | 0.0000 | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 41 | Milling of Grain and Pulses | 0.0010 | 0.0007 | 0.0052 | 0.0003 | 0.0002 | 0.0003 | 0.0003 | 0.0001 | 0.0003 | 0.0013 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0406 | 0.0032 | 0.0170 | 0.0025 | 0.0028 | 0.0039 | 0.0109 | 0.0022 | 0.0048 | 0.0619 |
| 43 | Beverages | 0.0015 | 0.0002 | 0.0016 | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 |
| 44 | Tobacco products | 0.0001 | 0.0000 | 0.0001 | 0.0020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0001 | 0.0000 | 0.0003 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0002 |
| 46 | Cotton textiles | 0.0020 | 0.0018 | 0.0041 | 0.0006 | 0.0009 | 0.0008 | 0.0004 | 0.0001 | 0.0012 | 0.0010 |
| 47 | Readymade garments | 0.0008 | 0.0014 | 0.0002 | 0.0003 | 0.0002 | 0.0002 | 0.0007 | 0.0004 | 0.0003 | 0.0013 |
| 48 | Miscellaneous textile products | 0.0072 | 0.0421 | 0.0023 | 0.0009 | 0.0008 | 0.0016 | 0.0017 | 0.0002 | 0.0028 | 0.0031 |
| 49 | Furniture and fixtures-wooden | 0.0004 | 0.0006 | 0.0019 | 0.0017 | 0.0003 | 0.0003 | 0.0008 | 0.0004 | 0.0005 | 0.0040 |
| 50 | Wood and wood products | 0.0132 | 0.1105 | 0.0101 | 0.0075 | 0.0054 | 0.0115 | 0.0054 | 0.0008 | 0.0086 | 0.0074 |
| 51 | Paper, paper prods. & newsprint | 0.0090 | 0.0144 | 0.0062 | 0.0049 | 0.0025 | 0.0036 | 0.0026 | 0.0010 | 0.0099 | 0.0132 |
| 52 | Printing and publishing | 0.0042 | 0.0008 | 0.0007 | 0.0005 | 0.0004 | 0.0005 | 0.0008 | 0.0004 | 0.0076 | 0.0040 |
| 53 | Leather footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0004 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54 | Leather and leather products | 0.0007 | 0.0029 | 0.0020 | 0.0010 | 0.0017 | 0.0036 | 0.0017 | 0.0002 | 0.0243 | 0.0018 |
| 55 | Rubber products | 0.0037 | 0.0042 | 0.0057 | 0.0014 | 0.0013 | 0.0024 | 0.0015 | 0.0006 | 0.0082 | 0.0338 |
| 56 | Plastic products | 0.0375 | 0.2557 | 0.1208 | 0.0806 | 0.0536 | 0.1134 | 0.0278 | 0.0054 | 0.1793 | 0.0674 |
| 57 | Coal tar products | 0.0061 | 0.0142 | 0.0209 | 0.0103 | 0.0062 | 0.0085 | 0.0298 | 0.0017 | 0.0095 | 0.0063 |
| 58 | Inorganic heavy chemicals | 0.0299 | 0.0160 | 0.1065 | 0.0322 | 0.0046 | 0.0084 | 0.0174 | 0.0006 | 0.0078 | 0.0061 |
| 59 | Fertilizers | 0.0023 | 0.0062 | 0.0096 | 0.0041 | 0.0014 | 0.0030 | 0.0009 | 0.0002 | 0.0041 | 0.0021 |
| 60 | Paints, varnishes and lacquers | 0.0033 | 0.0148 | 0.0278 | 0.0061 | 0.0111 | 0.0196 | 0.0043 | 0.0009 | 0.0243 | 0.0071 |
| 61 | Drugs and medicines | 1.3947 | 0.0025 | 0.0225 | 0.0019 | 0.0007 | 0.0012 | 0.0009 | 0.0003 | 0.0015 | 0.0067 |
| 62 | Synthetic fibers, resin | 0.0057 | 1.0400 | 0.0132 | 0.0093 | 0.0071 | 0.0134 | 0.0304 | 0.0008 | 0.0181 | 0.0217 |
| 63 | Other chemicals | 0.0318 | 0.1278 | 1.2163 | 0.0445 | 0.0246 | 0.0474 | 0.0181 | 0.0041 | 0.0491 | 0.0239 |
| 64 | Other non-metallic mineral prods. | 0.0049 | 0.0038 | 0.0108 | 1.0631 | 0.0075 | 0.0165 | 0.0057 | 0.0009 | 0.0283 | 0.0033 |
| 65 | Iron, steel and ferro alloys | 0.0058 | 0.0013 | 0.0014 | 0.0125 | 1.0243 | 0.0508 | 0.0259 | 0.0026 | 0.0066 | 0.0352 |
| 66 | Iron and steel foundries | 0.0083 | 0.0145 | 0.0077 | 0.0234 | 0.5353 | 1.2415 | 0.1686 | 0.0437 | 0.0431 | 0.1367 |
| 67 | Non-ferrous basic metals | 0.0023 | 0.0036 | 0.0053 | 0.0044 | 0.0598 | 0.0705 | 1.0483 | 0.0034 | 0.0211 | 0.0592 |
| 68 | Tractors and agri. implements | 0.0043 | 0.0025 | 0.0048 | 0.0041 | 0.0023 | 0.0034 | 0.0036 | 8.9823 | 0.0167 | 0.3388 |
| 69 | Machine tools | 0.0001 | 0.0004 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0000 | 1.0001 | 0.0002 |
| 70 | Other non-electrical machinery | 0.0064 | 0.0036 | 0.0033 | 0.0053 | 0.0050 | 0.0057 | 0.0106 | 0.0056 | 0.0544 | 1.1605 |
| 71 | Electrical industrial Machinery | 0.0015 | 0.0023 | 0.0015 | 0.0028 | 0.0026 | 0.0024 | 0.0070 | 0.0040 | 0.0040 | 0.0037 |
| 72 | Electrical wires & cables | 0.0005 | 0.0001 | 0.0001 | 0.0019 | 0.0012 | 0.0026 | 0.0006 | 0.0002 | 0.0025 | 0.0090 |
| 73 | Batteries | 0.0004 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0008 | 0.0001 | 0.0009 | 0.0010 |
| 74 | Electrical appliances | 0.0002 | 0.0003 | 0.0002 | 0.0034 | 0.0057 | 0.0130 | 0.0020 | 0.0006 | 0.0030 | 0.0020 |
| 75 | Communication equipments | 0.0010 | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0004 | 0.0002 | 0.0012 | 0.0004 |
| 76 | Other electrical Machinery | 0.0021 | 0.0026 | 0.0026 | 0.0036 | 0.0037 | 0.0057 | 0.0060 | 0.0032 | 0.0786 | 0.0206 |
| 77 | Electronic equipments(incl.TV) | 0.0006 | 0.0004 | 0.0002 | 0.0004 | 0.0004 | 0.0005 | 0.0008 | 0.0004 | 0.1576 | 0.0013 |
| 78 | Ships and boats | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 79 | Rail equipments | 0.0012 | 0.0002 | 0.0001 | 0.0002 | 0.0002 | 0.0001 | 0.0005 | 0.0003 | 0.0001 | 0.0002 |
| 80 | Motor vehicles | 0.0028 | 0.0009 | 0.0011 | 0.0011 | 0.0011 | 0.0013 | 0.0024 | 0.0012 | 0.0017 | 0.0196 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0007 |
| 82 | Bicycles, cycle-rickshaw | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0011 |
| 83 | Other transport equipments | 0.0011 | 0.0005 | 0.0005 | 0.0006 | 0.0019 | 0.0038 | 0.0017 | 0.0008 | 0.0016 | 0.0174 |
| 84 | Watches and clocks | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0692 | 0.0000 |
| 85 | Medical, precision&optical instru.s | 0.0014 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0025 | 0.0001 |
| 86 | Jems & jewelry | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | - | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0091 | 0.0146 | 0.0499 | 0.0044 | 0.0027 | 0.0047 | 0.0033 | 0.0014 | 0.0206 | 0.0039 |
| 89 | Construction | 0.0226 | 0.0018 | 0.0017 | 0.0026 | 0.0020 | 0.0015 | 0.0059 | 0.0033 | 0.0015 | 0.0038 |
| 90 | Water supply | 0.0003 | 0.0001 | 0.0001 | 0.0003 | 0.0001 | 0.0001 | 0.0004 | 0.0002 | 0.0002 | 0.0013 |
| 91 | Railway transport services | 0.0078 | 0.0010 | 0.0009 | 0.0015 | 0.0012 | 0.0009 | 0.0035 | 0.0019 | 0.0008 | 0.0014 |
| 92 | Land tpt including via pipeline | 0.0835 | 0.0024 | 0.0030 | 0.0034 | 0.0026 | 0.0021 | 0.0075 | 0.0039 | 0.0025 | 0.0162 |
| 93 | Air transport | 0.0063 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0002 |
| 94 | Supporting and aux. tpt activities | 0.0059 | 0.0002 | 0.0003 | 0.0003 | 0.0002 | 0.0002 | 0.0006 | 0.0003 | 0.0002 | 0.0004 |
| 95 | Storage and warehousing | 0.0006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 |
| 96 | Communication | 0.0074 | 0.0007 | 0.0006 | 0.0010 | 0.0009 | 0.0006 | 0.0025 | 0.0014 | 0.0007 | 0.0024 |
| 97 | Trade | 0.1069 | 0.0047 | 0.0051 | 0.0066 | 0.0055 | 0.0042 | 0.0162 | 0.0090 | 0.0040 | 0.0092 |
| 98 | Hotels and restaurants | 0.0103 | 0.0009 | 0.0008 | 0.0012 | 0.0010 | 0.0008 | 0.0029 | 0.0016 | 0.0009 | 0.0050 |
| 99 | Banking | 0.0215 | 0.0037 | 0.0029 | 0.0053 | 0.0044 | 0.0033 | 0.0130 | 0.0073 | 0.0032 | 0.0069 |
| 100 | Education and research | 0.0024 | 0.0014 | 0.0012 | 0.0020 | 0.0017 | 0.0014 | 0.0045 | 0.0023 | 0.0043 | 0.0716 |
| 101 | Medical and health | 0.0008 | 0.0004 | 0.0004 | 0.0006 | 0.0005 | 0.0004 | 0.0013 | 0.0007 | 0.0013 | 0.0224 |
| 102 | Business services | 0.0125 | 0.0037 | 0.0037 | 0.0052 | 0.0044 | 0.0038 | 0.0120 | 0.0066 | 0.0117 | 0.1984 |
| 103 | Computer & related activities | 0.0047 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0002 | 0.0022 |
| 104 | Real estate activities | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0018 |
| 105 | Comm., social &personal services | 0.0399 | 0.0003 | 0.0008 | 0.0003 | 0.0002 | 0.0002 | 0.0007 | 0.0004 | 0.0002 | 0.0005 |
| 106 | Other services | 0.0006 | 0.0001 | 0.0002 | 0.0002 | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0011 |
| 107 | Public administration | 0.0514 | 0.0285 | 0.0258 | 0.0405 | 0.0341 | 0.0290 | 0.0942 | 0.0525 | 0.0956 | 1.6466 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Paddy | 0.0003 | 0.0002 | 0.0003 | 0.0002 | 0.0003 | 0.0003 | 0.0004 | 0.0000 | 0.0002 | 0.0003 |
| 2 | Wheat | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0001 |
| 3 | Jowar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 5 | Maize | 0.0001 | 0.0001 | 0.0004 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0000 | 0.0001 | 0.0002 |
| 6 | Gram | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 7 | Barley | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 8 | Sugarcane | 0.0020 | 0.0019 | 0.0068 | 0.0017 | 0.0026 | 0.0019 | 0.0046 | 0.0001 | 0.0018 | 0.0044 |
| 9 | Groundnut | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 10 | Sesamum | - | - | - | - | - | - | - | - | - | - |
| 11 | Rapeseed & Mustard | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0002 |
| 12 | Other oilseeds | 0.0002 | 0.0001 | 0.0010 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0000 | 0.0001 | 0.0003 |
| 13 | Cotton | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 |
| 14 | Arhar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | Urad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | Other Pulses | 0.0001 | 0.0002 | 0.0002 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 |
| 18 | Potato | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0002 | 0.0004 | 0.0002 | 0.0000 | 0.0001 | 0.0001 |
| 19 | Vegetables | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 |
| 20 | Mango | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | Guava | - | - | - | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | - | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | Other Fruits | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0001 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27 | Other crops | 0.0018 | 0.0021 | 0.0033 | 0.0013 | 0.0026 | 0.0017 | 0.0036 | 0.0000 | 0.0013 | 0.0037 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - | - | - | - |
| 29 | Milk and milk products | 0.0009 | 0.0010 | 0.0023 | 0.0006 | 0.0009 | 0.0007 | 0.0021 | 0.0000 | 0.0009 | 0.0021 |
| 30 | Other liv.st. produ. | 0.0013 | 0.0014 | 0.0020 | 0.0011 | 0.0013 | 0.0010 | 0.0026 | 0.0000 | 0.0011 | 0.0049 |
| 31 | Forestry and logging | 0.0051 | 0.0030 | 0.0035 | 0.0039 | 0.0039 | 0.0047 | 0.0047 | 0.0002 | 0.0046 | 0.0131 |
| 32 | Fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 33 | Coal and lignite | 0.0970 | 0.0352 | 0.0681 | 0.0267 | 0.0646 | 0.0461 | 0.0456 | 0.0014 | 0.0964 | 0.0798 |
| 34 | Petroleum products | 0.0948 | 0.0549 | 0.1566 | 0.0491 | 0.0635 | 0.0660 | 0.0748 | 0.0028 | 0.0709 | 0.0757 |
| 35 | Electricity | 0.0849 | 0.0828 | 0.1550 | 0.0588 | 0.0695 | 0.0823 | 0.0771 | 0.0030 | 0.0709 | 0.0990 |
| 36 | Natural gas | 0.0345 | 0.0220 | 0.1411 | 0.0196 | 0.0241 | 0.0256 | 0.0284 | 0.0010 | 0.0259 | 0.0291 |
| 37 | Lime stone | 0.0003 | 0.0003 | 0.0002 | 0.0001 | 0.0002 | 0.0003 | 0.0002 | 0.0000 | 0.0001 | 0.0002 |
| 38 | Other non metallic minerals | 0.0191 | 0.0027 | 0.0202 | 0.0397 | 0.0029 | 0.0035 | 0.0038 | 0.0001 | 0.0023 | 0.0036 |
| 39 | Sugar | 0.0009 | 0.0009 | 0.0025 | 0.0012 | 0.0016 | 0.0012 | 0.0020 | 0.0000 | 0.0006 | 0.0014 |
| 40 | Khandsari, boora | 0.0000 | 0.0001 | 0.0006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 41 | Milling of Grain and Pulses | 0.0003 | 0.0003 | 0.0004 | 0.0003 | 0.0005 | 0.0003 | 0.0007 | 0.0000 | 0.0002 | 0.0005 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0047 | 0.0041 | 0.0089 | 0.0027 | 0.0048 | 0.0035 | 0.0111 | 0.0001 | 0.0048 | 0.0111 |
| 43 | Beverages | 0.0001 | 0.0001 | 0.0003 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 |
| 44 | Tobacco products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0004 |
| 46 | Cotton textiles | 0.0008 | 0.0007 | 0.0007 | 0.0011 | 0.0012 | 0.0010 | 0.0016 | 0.0000 | 0.0005 | 0.0018 |
| 47 | Readymade garments | 0.0003 | 0.0017 | 0.0005 | 0.0002 | 0.0003 | 0.0003 | 0.0004 | 0.0000 | 0.0003 | 0.0004 |
| 48 | Miscellaneous textile products | 0.0021 | 0.0078 | 0.0031 | 0.0031 | 0.0049 | 0.0056 | 0.0036 | 0.0001 | 0.0049 | 0.0053 |
| 49 | Furniture and fixtures-wooden | 0.0005 | 0.0004 | 0.0006 | 0.0003 | 0.0005 | 0.0004 | 0.0009 | 0.0000 | 0.0005 | 0.0009 |
| 50 | Wood and wood products | 0.0116 | 0.0111 | 0.0091 | 0.0091 | 0.0245 | 0.0410 | 0.0166 | 0.0006 | 0.0054 | 0.0077 |
| 51 | Paper, paper prods. & newsprint | 0.0059 | 0.0087 | 0.0061 | 0.0073 | 0.0362 | 0.0058 | 0.0381 | 0.0001 | 0.0032 | 0.0073 |
| 52 | Printing and publishing | 0.0028 | 0.0010 | 0.0014 | 0.0014 | 0.0287 | 0.0010 | 0.0460 | 0.0000 | 0.0009 | 0.0010 |
| 53 | Leather footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0002 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54 | Leather and leather products | 0.0024 | 0.0019 | 0.0021 | 0.0029 | 0.0023 | 0.0021 | 0.0038 | 0.0001 | 0.0014 | 0.0151 |
| 55 | Rubber products | 0.0042 | 0.0084 | 0.0059 | 0.0067 | 0.0060 | 0.0069 | 0.0093 | 0.0001 | 0.0129 | 0.0841 |
| 56 | Plastic products | 0.0887 | 0.0603 | 0.1844 | 0.2429 | 0.1282 | 0.1072 | 0.2182 | 0.0029 | 0.0619 | 0.1046 |
| 57 | Coal tar products | 0.0101 | 0.0100 | 0.0150 | 0.0119 | 0.0090 | 0.0092 | 0.0125 | 0.0003 | 0.0062 | 0.0089 |
| 58 | Inorganic heavy chemicals | 0.0074 | 0.0132 | 0.0426 | 0.0082 | 0.0074 | 0.0086 | 0.0092 | 0.0002 | 0.0089 | 0.0122 |
| 59 | Fertilizers | 0.0022 | 0.0017 | 0.0042 | 0.0052 | 0.0031 | 0.0026 | 0.0051 | 0.0001 | 0.0016 | 0.0027 |
| 60 | Paints, varnishes and lacquers | 0.0130 | 0.0048 | 0.0067 | 0.0249 | 0.0113 | 0.0141 | 0.0145 | 0.0005 | 0.0100 | 0.0105 |
| 61 | Drugs and medicines | 0.0030 | 0.0009 | 0.1842 | 0.0014 | 0.0023 | 0.0030 | 0.0027 | 0.0001 | 0.0010 | 0.0199 |
| 62 | Synthetic fibers, resin | 0.0152 | 0.0616 | 0.0225 | 0.0325 | 0.0177 | 0.0185 | 0.0261 | 0.0004 | 0.0090 | 0.0217 |
| 63 | Other chemicals | 0.0351 | 0.0316 | 0.0569 | 0.0514 | 0.0447 | 0.0462 | 0.0584 | 0.0013 | 0.0245 | 0.0508 |
| 64 | Other non-metallic mineral prods. | 0.0188 | 0.0048 | 0.0108 | 0.0058 | 0.0137 | 0.0198 | 0.0143 | 0.0005 | 0.0116 | 0.0057 |
| 65 | Iron, steel and ferro alloys | 0.0736 | 0.0291 | 0.0082 | 0.0100 | 0.0265 | 0.0453 | 0.0184 | 0.0012 | 0.1957 | 0.0357 |
| 66 | Iron and steel foundries | 0.4427 | 0.0717 | 0.0412 | 0.1341 | 0.1190 | 0.1903 | 0.0936 | 0.0217 | 0.2854 | 0.2228 |
| 67 | Non-ferrous basic metals | 0.1174 | 0.2186 | 0.0656 | 0.0453 | 0.0623 | 0.0961 | 0.0574 | 0.0020 | 0.0370 | 0.0687 |
| 68 | Tractors and agri. implements | 0.0099 | 0.0026 | 0.0036 | 0.0047 | 0.0148 | 0.0051 | 0.0486 | 0.0001 | 0.0107 | 0.0372 |
| 69 | Machine tools | 0.0002 | 0.0076 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0002 | 0.0000 | 0.0002 | 0.0005 |
| 70 | Other non-electrical machinery | 0.0306 | 0.0066 | 0.0091 | 0.0137 | 0.0480 | 0.0146 | 0.1635 | 0.0003 | 0.0340 | 0.0812 |
| 71 | Electrical industrial Machinery | 1.0182 | 0.0076 | 0.0070 | 0.0024 | 0.0057 | 0.0032 | 0.0155 | 0.0001 | 0.0128 | 0.0126 |
| 72 | Electrical wires & cables | 0.0054 | 1.0107 | 0.0013 | 0.0118 | 0.0082 | 0.0110 | 0.0112 | 0.0001 | 0.0012 | 0.0047 |
| 73 | Batteries | 0.0105 | 0.0005 | 1.0049 | 0.0010 | 0.0056 | 0.0103 | 0.0031 | 0.0001 | 0.0004 | 0.0007 |
| 74 | Electrical appliances | 0.0173 | 0.0016 | 0.0077 | 1.0039 | 0.0091 | 0.0116 | 0.0145 | 0.0003 | 0.0035 | 0.0029 |
| 75 | Communication equipments | 0.0010 | 0.0025 | 0.0009 | 0.0007 | 1.0046 | 0.0067 | 0.0057 | 0.0001 | 0.0003 | 0.0003 |
| 76 | Other electrical Machinery | 0.1158 | 0.0139 | 0.1054 | 0.0931 | 0.5997 | 1.1208 | 0.2697 | 0.0108 | 0.0236 | 0.0264 |
| 77 | Electronic equipments(incl.TV) | 0.0503 | 0.0029 | 0.0015 | 0.0175 | 0.2547 | 0.0073 | 1.0210 | 0.0001 | 0.0098 | 0.0014 |
| 78 | Ships and boats | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 | 0.0000 | 0.0000 |
| 79 | Rail equipments | 0.0002 | 0.0004 | 0.0005 | 0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0000 | 1.0460 | 0.0002 |
| 80 | Motor vehicles | 0.0047 | 0.0016 | 0.0022 | 0.0039 | 0.0019 | 0.0013 | 0.0041 | 0.0000 | 0.0057 | 1.2419 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 0.0003 | 0.0001 | 0.0002 | 0.0048 | 0.0001 | 0.0002 | 0.0002 | 0.0000 | 0.0015 | 0.0095 |
| 82 | Bicycles, cycle-rickshaw | 0.0005 | 0.0001 | 0.0006 | 0.0001 | 0.0003 | 0.0004 | 0.0003 | 0.0000 | 0.0070 | 0.0170 |
| 83 | Other transport equipments | 0.0088 | 0.0010 | 0.0097 | 0.0024 | 0.0043 | 0.0064 | 0.0045 | 0.0001 | 0.1144 | 0.2798 |
| 84 | Watches and clocks | 0.0000 | 0.0005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 85 | Medical, precision&optical instru.s | 0.0003 | 0.0001 | 0.0004 | 0.0002 | 0.0014 | 0.0026 | 0.0006 | 0.0000 | 0.0001 | 0.0001 |
| 86 | Jems & jewelry | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | - | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0068 | 0.0081 | 0.0072 | 0.0071 | 0.0094 | 0.0052 | 0.0197 | 0.0001 | 0.0038 | 0.0105 |
| 89 | Construction | 0.0021 | 0.0037 | 0.0067 | 0.0014 | 0.0017 | 0.0020 | 0.0021 | 0.0001 | 0.0018 | 0.0028 |
| 90 | Water supply | 0.0002 | 0.0002 | 0.0003 | 0.0001 | 0.0002 | 0.0001 | 0.0003 | 0.0000 | 0.0002 | 0.0003 |
| 91 | Railway transport services | 0.0013 | 0.0029 | 0.0032 | 0.0008 | 0.0010 | 0.0012 | 0.0011 | 0.0000 | 0.0011 | 0.0015 |
| 92 | Land tpt including via pipeline | 0.0034 | 0.0284 | 0.0156 | 0.0022 | 0.0031 | 0.0030 | 0.0046 | 0.0001 | 0.0032 | 0.0063 |
| 93 | Air transport | 0.0001 | 0.0029 | 0.0010 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0002 |
| 94 | Supporting and aux. tpt activities | 0.0003 | 0.0019 | 0.0012 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0000 | 0.0002 | 0.0004 |
| 95 | Storage and warehousing | 0.0000 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 96 | Communication | 0.0009 | 0.0050 | 0.0024 | 0.0006 | 0.0008 | 0.0009 | 0.0010 | 0.0000 | 0.0008 | 0.0013 |
| 97 | Trade | 0.0059 | 0.0321 | 0.0234 | 0.0041 | 0.0049 | 0.0056 | 0.0056 | 0.0002 | 0.0048 | 0.0081 |
| 98 | Hotels and restaurants | 0.0012 | 0.0041 | 0.0031 | 0.0008 | 0.0010 | 0.0010 | 0.0015 | 0.0000 | 0.0011 | 0.0018 |
| 99 | Banking | 0.0046 | 0.0210 | 0.0104 | 0.0032 | 0.0038 | 0.0044 | 0.0044 | 0.0002 | 0.0038 | 0.0056 |
| 100 | Education and research | 0.0034 | 0.0022 | 0.0031 | 0.0018 | 0.0043 | 0.0022 | 0.0114 | 0.0001 | 0.0047 | 0.0107 |
| 101 | Medical and health | 0.0010 | 0.0007 | 0.0009 | 0.0005 | 0.0013 | 0.0007 | 0.0035 | 0.0000 | 0.0014 | 0.0033 |
| 102 | Business services | 0.0089 | 0.0069 | 0.0091 | 0.0048 | 0.0115 | 0.0060 | 0.0313 | 0.0002 | 0.0123 | 0.0294 |
| 103 | Computer & related activities | 0.0002 | 0.0091 | 0.0008 | 0.0002 | 0.0002 | 0.0002 | 0.0005 | 0.0000 | 0.0002 | 0.0004 |
| 104 | Real estate activities | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0003 | 0.0000 | 0.0001 | 0.0003 |
| 105 | O.com, social&personal services | 0.0003 | 0.0004 | 0.0057 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0000 | 0.0002 | 0.0008 |
| 106 | Other services | 0.0002 | 0.0004 | 0.0004 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0000 | 0.0002 | 0.0003 |
| 107 | Public administration | 0.0713 | 0.0466 | 0.0652 | 0.0380 | 0.0935 | 0.0474 | 0.2581 | 0.0013 | 0.0995 | 0.2390 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Paddy | 0.0002 | 0.0001 | 0.0004 | 0.0002 | 0.0003 | 0.0001 | 0.0008 | 0.0008 | 0.0004 | 0.0008 |
| 2 | Wheat | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0003 | 0.0001 | 0.0005 |
| 3 | Jowar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 5 | Maize | 0.0001 | 0.0000 | 0.0003 | 0.0001 | 0.0004 | 0.0000 | 0.0001 | 0.0006 | 0.0001 | 0.0001 |
| 6 | Gram | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 7 | Barley | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 8 | Sugarcane | 0.0027 | 0.0008 | 0.0069 | 0.0015 | 0.0035 | 0.0005 | 0.0018 | 0.0066 | 0.0014 | 0.0068 |
| 9 | Groundnut | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 10 | Sesamum | - | - | - | - | - | - | - | - | - | - |
| 11 | Rapeseed & Mustard | 0.0001 | 0.0000 | 0.0004 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0002 | 0.0001 | 0.0003 |
| 12 | Other oilseeds | 0.0002 | 0.0000 | 0.0003 | 0.0001 | 0.0004 | 0.0000 | 0.0002 | 0.0006 | 0.0001 | 0.0002 |
| 13 | Cotton | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0006 | 0.0001 | 0.0000 | 0.0004 | 0.0000 | 0.0000 |
| 14 | Arhar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | Urad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | Other Pulses | 0.0001 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0003 | 0.0011 |
| 18 | Potato | 0.0001 | 0.0000 | 0.0001 | 0.0002 | 0.0001 | 0.0000 | 0.0003 | 0.0012 | 0.0001 | 0.0001 |
| 19 | Vegetables | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0002 | 0.0008 |
| 20 | Mango | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | Guava | - | - | - | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | - | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | Other Fruits | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0002 | 0.0001 | 0.0002 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27 | Other crops | 0.0020 | 0.0012 | 0.0034 | 0.0014 | 0.0088 | 0.0006 | 0.0038 | 0.0067 | 0.0059 | 0.0073 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - | - | - | - |
| 29 | Milk and milk products | 0.0014 | 0.0007 | 0.0039 | 0.0005 | 0.0011 | 0.0002 | 0.0008 | 0.0021 | 0.0011 | 0.0056 |
| 30 | Other liv.st. produ. | 0.0025 | 0.0005 | 0.0039 | 0.0011 | 0.0148 | 0.0004 | 0.0010 | 0.0053 | 0.0011 | 0.0039 |
| 31 | Forestry and logging | 0.0070 | 0.0006 | 0.0126 | 0.0054 | 0.0058 | 0.0024 | 0.0039 | 0.0297 | 0.0290 | 0.0043 |
| 32 | Fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0027 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 33 | Coal and lignite | 0.2533 | 0.0162 | 0.0521 | 0.0140 | 0.0559 | 0.0141 | 0.0506 | 0.0530 | 0.0113 | 0.0097 |
| 34 | Petroleum products | 0.0696 | 0.0278 | 0.0601 | 0.0515 | 0.1033 | 0.0167 | 0.1271 | 0.0927 | 0.0634 | 0.0848 |
| 35 | Electricity | 0.1102 | 0.0474 | 0.0784 | 0.0559 | 0.1223 | 0.0196 | 0.1280 | 0.0822 | 0.0327 | 0.0489 |
| 36 | Natural gas | 0.0270 | 0.0101 | 0.0237 | 0.0189 | 0.0410 | 0.0063 | 0.0456 | 0.0370 | 0.0217 | 0.0324 |
| 37 | Lime stone | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0002 | 0.0001 | 0.0006 | 0.0004 | 0.0002 | 0.0001 |
| 38 | Other non metallic minerals | 0.0026 | 0.0003 | 0.0035 | 0.0019 | 0.0046 | 0.0151 | 0.0050 | 0.0090 | 0.0171 | 0.0024 |
| 39 | Sugar | 0.0008 | 0.0002 | 0.0013 | 0.0010 | 0.0025 | 0.0003 | 0.0011 | 0.0047 | 0.0006 | 0.0012 |
| 40 | Khandsari, boora | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0003 |
| 41 | Milling of Grain and Pulses | 0.0003 | 0.0001 | 0.0006 | 0.0002 | 0.0006 | 0.0001 | 0.0003 | 0.0012 | 0.0002 | 0.0005 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0070 | 0.0022 | 0.0210 | 0.0025 | 0.0050 | 0.0010 | 0.0035 | 0.0109 | 0.0031 | 0.0202 |
| 43 | Beverages | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0003 | 0.0001 | 0.0006 |
| 44 | Tobacco products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0001 | 0.0001 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0002 | 0.0000 | 0.0001 | 0.0002 | 0.0002 | 0.0034 | 0.0000 | 0.0009 | 0.0000 | 0.0000 |
| 46 | Cotton textiles | 0.0009 | 0.0001 | 0.0008 | 0.0018 | 0.0153 | 0.0030 | 0.0008 | 0.0103 | 0.0005 | 0.0006 |
| 47 | Readymade garments | 0.0004 | 0.0002 | 0.0006 | 0.0002 | 0.0080 | 0.0001 | 0.0004 | 0.0003 | 0.0009 | 0.0019 |
| 48 | Miscellaneous textile products | 0.0028 | 0.0008 | 0.0041 | 0.0041 | 0.0070 | 0.0007 | 0.0041 | 0.0223 | 0.0018 | 0.0032 |
| 49 | Furniture and fixtures-wooden | 0.0007 | 0.0002 | 0.0015 | 0.0003 | 0.0006 | 0.0001 | 0.0006 | 0.0009 | 0.0007 | 0.0031 |
| 50 | Wood and wood products | 0.0046 | 0.0006 | 0.0091 | 0.0237 | 0.0103 | 0.0033 | 0.0289 | 0.1377 | 0.0173 | 0.0032 |
| 51 | Paper, paper prods. & newsprint | 0.0042 | 0.0010 | 0.0070 | 0.0063 | 0.0127 | 0.0011 | 0.0049 | 0.0307 | 0.0062 | 0.0084 |
| 52 | Printing and publishing | 0.0007 | 0.0003 | 0.0013 | 0.0007 | 0.0018 | 0.0002 | 0.0009 | 0.0029 | 0.0018 | 0.0030 |
| 53 | Leather footwear | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0010 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54 | Leather and leather products | 0.0066 | 0.0004 | 0.0029 | 0.0033 | 0.0669 | 0.0009 | 0.0017 | 0.0167 | 0.0005 | 0.0004 |
| 55 | Rubber products | 0.0443 | 0.0031 | 0.0754 | 0.0116 | 0.0097 | 0.0009 | 0.0073 | 0.0660 | 0.0027 | 0.0064 |
| 56 | Plastic products | 0.0595 | 0.0045 | 0.1423 | 0.0733 | 0.5018 | 0.0285 | 0.0900 | 0.1682 | 0.0171 | 0.0117 |
| 57 | Coal tar products | 0.0061 | 0.0017 | 0.0087 | 0.0054 | 0.0237 | 0.0023 | 0.0103 | 0.0137 | 0.0186 | 0.0055 |
| 58 | Inorganic heavy chemicals | 0.0070 | 0.0008 | 0.0108 | 0.0054 | 0.0162 | 0.0023 | 0.0089 | 0.0257 | 0.0034 | 0.0045 |
| 59 | Fertilizers | 0.0015 | 0.0002 | 0.0034 | 0.0018 | 0.0111 | 0.0008 | 0.0024 | 0.0052 | 0.0014 | 0.0139 |
| 60 | Paints, varnishes and lacquers | 0.0059 | 0.0006 | 0.0143 | 0.0062 | 0.0158 | 0.0049 | 0.0105 | 0.0305 | 0.0154 | 0.0028 |
| 61 | Drugs and medicines | 0.0108 | 0.0007 | 0.0036 | 0.0008 | 0.0168 | 0.0003 | 0.0024 | 0.0037 | 0.0006 | 0.0020 |
| 62 | Synthetic fibers, resin | 0.0118 | 0.0013 | 0.0238 | 0.0111 | 0.0523 | 0.0035 | 0.0145 | 0.0438 | 0.0046 | 0.0028 |
| 63 | Other chemicals | 0.0289 | 0.0032 | 0.0469 | 0.0385 | 0.1116 | 0.0125 | 0.0398 | 0.1789 | 0.0154 | 0.0121 |
| 64 | Other non-metallic mineral prods. | 0.0032 | 0.0004 | 0.0069 | 0.0069 | 0.0083 | 0.0078 | 0.0921 | 0.0388 | 0.0335 | 0.0060 |
| 65 | Iron, steel and ferro alloys | 0.0171 | 0.0014 | 0.0250 | 0.0023 | 0.0049 | 0.0107 | 0.0324 | 0.0121 | 0.0794 | 0.0101 |
| 66 | Iron and steel foundries | 0.1111 | 0.0089 | 0.2458 | 0.0150 | 0.0527 | 0.2572 | 0.1335 | 0.0797 | 0.0891 | 0.0173 |
| 67 | Non-ferrous basic metals | 0.0327 | 0.0139 | 0.0350 | 0.0049 | 0.0484 | 0.0195 | 0.0671 | 0.0266 | 0.0102 | 0.0042 |
| 68 | Tractors and agri. implements | 0.0179 | 0.0020 | 0.0235 | 0.0022 | 0.0044 | 0.0009 | 0.0046 | 0.0096 | 0.0069 | 0.0129 |
| 69 | Machine tools | 0.0004 | 0.0000 | 0.0001 | 0.0001 | 0.0003 | 0.0000 | 0.0002 | 0.0005 | 0.0002 | 0.0001 |
| 70 | Other non-electrical machinery | 0.0412 | 0.0056 | 0.0714 | 0.0026 | 0.0097 | 0.0015 | 0.0129 | 0.0057 | 0.0071 | 0.0396 |
| 71 | Electrical industrial Machinery | 0.0071 | 0.0014 | 0.0029 | 0.0016 | 0.0042 | 0.0007 | 0.0040 | 0.0026 | 0.0010 | 0.0017 |
| 72 | Electrical wires & cables | 0.0023 | 0.0002 | 0.0015 | 0.0002 | 0.0226 | 0.0006 | 0.0077 | 0.0009 | 0.0095 | 0.0015 |
| 73 | Batteries | 0.0122 | 0.0007 | 0.0010 | 0.0001 | 0.0002 | 0.0000 | 0.0070 | 0.0002 | 0.0003 | 0.0009 |
| 74 | Electrical appliances | 0.0124 | 0.0006 | 0.0032 | 0.0003 | 0.0007 | 0.0027 | 0.0082 | 0.0012 | 0.0011 | 0.0004 |
| 75 | Communication equipments | 0.0003 | 0.0005 | 0.0004 | 0.0001 | 0.0006 | 0.0000 | 0.0047 | 0.0002 | 0.0004 | 0.0017 |
| 76 | Other electrical Machinery | 0.0213 | 0.0022 | 0.0311 | 0.0030 | 0.0051 | 0.0014 | 0.7666 | 0.0121 | 0.0017 | 0.0038 |
| 77 | Electronic equipments(incl.TV) | 0.0011 | 0.0006 | 0.0007 | 0.0002 | 0.0010 | 0.0001 | 0.0052 | 0.0005 | 0.0006 | 0.0022 |
| 78 | Ships and boats | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0002 |
| 79 | Rail equipments | 0.0003 | 0.0001 | 0.0002 | 0.0001 | 0.0003 | 0.0000 | 0.0003 | 0.0002 | 0.0008 | 0.0005 |
| 80 | Motor vehicles | 0.5182 | 0.0230 | 0.0533 | 0.0024 | 0.0027 | 0.0004 | 0.0015 | 0.0120 | 0.0027 | 0.0062 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 1.0345 | 0.0435 | 0.0189 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0002 |
| 82 | Bicycles, cycle-rickshaw | 0.0124 | 1.6169 | 0.0917 | 0.0001 | 0.0001 | 0.0001 | 0.0003 | 0.0007 | 0.0001 | 0.0004 |
| 83 | Other transport equipments | 0.2046 | 0.0092 | 1.5083 | 0.0008 | 0.0012 | 0.0008 | 0.0047 | 0.0034 | 0.0013 | 0.0046 |
| 84 | Watches and clocks | 0.0000 | 0.0000 | 0.0000 | 1.0699 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 85 | Medical, precision&optical instru.s | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 1.1293 | 0.0000 | 0.0018 | 0.0000 | 0.0000 | 0.0000 |
| 86 | Jems & jewelry | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 1.0047 | 0.0000 | 0.0002 | 0.0000 | 0.0000 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | 1.0000 | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0063 | 0.0009 | 0.0189 | 0.1769 | 0.0150 | 0.0070 | 0.0047 | 1.0517 | 0.0074 | 0.0042 |
| 89 | Construction | 0.0030 | 0.0015 | 0.0024 | 0.0013 | 0.0031 | 0.0005 | 0.0030 | 0.0020 | 1.1343 | 0.0997 |
| 90 | Water supply | 0.0003 | 0.0001 | 0.0005 | 0.0001 | 0.0003 | 0.0001 | 0.0002 | 0.0002 | 0.0022 | 1.0933 |
| 91 | Railway transport services | 0.0019 | 0.0007 | 0.0011 | 0.0008 | 0.0018 | 0.0003 | 0.0018 | 0.0012 | 0.0051 | 0.0033 |
| 92 | Land tpt including via pipeline | 0.0062 | 0.0355 | 0.0085 | 0.0016 | 0.0051 | 0.0007 | 0.0040 | 0.0028 | 0.0495 | 0.1547 |
| 93 | Air transport | 0.0002 | 0.0001 | 0.0001 | 0.0000 | 0.0002 | 0.0000 | 0.0001 | 0.0001 | 0.0005 | 0.0005 |
| 94 | Supporting and aux. tpt activities | 0.0004 | 0.0002 | 0.0002 | 0.0001 | 0.0004 | 0.0001 | 0.0003 | 0.0002 | 0.0045 | 0.0012 |
| 95 | Storage and warehousing | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0005 | 0.0001 |
| 96 | Communication | 0.0013 | 0.0038 | 0.0014 | 0.0005 | 0.0014 | 0.0002 | 0.0013 | 0.0008 | 0.0030 | 0.0071 |
| 97 | Trade | 0.0086 | 0.0055 | 0.0061 | 0.0035 | 0.0094 | 0.0013 | 0.0082 | 0.0056 | 0.0901 | 0.0260 |
| 98 | Hotels and restaurants | 0.0018 | 0.0036 | 0.0023 | 0.0006 | 0.0016 | 0.0002 | 0.0015 | 0.0010 | 0.0074 | 0.0280 |
| 99 | Banking | 0.0064 | 0.0027 | 0.0046 | 0.0028 | 0.0067 | 0.0010 | 0.0065 | 0.0042 | 0.0267 | 0.0320 |
| 100 | Education and research | 0.0076 | 0.0022 | 0.0231 | 0.0010 | 0.0025 | 0.0004 | 0.0027 | 0.0018 | 0.0024 | 0.0206 |
| 101 | Medical and health | 0.0021 | 0.0007 | 0.0072 | 0.0003 | 0.0007 | 0.0001 | 0.0008 | 0.0005 | 0.0008 | 0.0065 |
| 102 | Business services | 0.0192 | 0.0170 | 0.0645 | 0.0027 | 0.0067 | 0.0011 | 0.0073 | 0.0052 | 0.0219 | 0.0942 |
| 103 | Computer & related activities | 0.0003 | 0.0001 | 0.0007 | 0.0000 | 0.0004 | 0.0000 | 0.0002 | 0.0001 | 0.0004 | 0.0009 |
| 104 | Real estate activities | 0.0002 | 0.0001 | 0.0006 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0015 | 0.0007 |
| 105 | O.com, social&personal services | 0.0006 | 0.0002 | 0.0003 | 0.0002 | 0.0008 | 0.0001 | 0.0004 | 0.0003 | 0.0004 | 0.0012 |
| 106 | Other services | 0.0003 | 0.0001 | 0.0004 | 0.0001 | 0.0002 | 0.0000 | 0.0002 | 0.0001 | 0.0005 | 0.0011 |
| 107 | Public administration | 0.1544 | 0.0477 | 0.5282 | 0.0212 | 0.0521 | 0.0084 | 0.0578 | 0.0379 | 0.0538 | 0.4725 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | Paddy | 0.0002 | 0.0021 | 0.0002 | 0.0034 | 0.0002 | 0.0002 | 0.0004 | 0.0222 | 0.0005 | 0.0006 |
| 2 | Wheat | 0.0001 | 0.0013 | 0.0001 | 0.0021 | 0.0001 | 0.0001 | 0.0003 | 0.0141 | 0.0003 | 0.0005 |
| 3 | Jowar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 |
| 5 | Maize | 0.0000 | 0.0002 | 0.0001 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0005 | 0.0000 | 0.0000 |
| 6 | Gram | 0.0000 | 0.0004 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0006 | 0.0000 | 0.0000 |
| 7 | Barley | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 8 | Sugarcane | 0.0012 | 0.0067 | 0.0017 | 0.0095 | 0.0022 | 0.0011 | 0.0014 | 0.0509 | 0.0015 | 0.0028 |
| 9 | Groundnut | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 10 | Sesamum | - | - | - | - | - | - | - | - | - | - |
| 11 | Rapeseed & Mustard | 0.0000 | 0.0002 | 0.0001 | 0.0003 | 0.0001 | 0.0000 | 0.0000 | 0.0016 | 0.0001 | 0.0001 |
| 12 | Other oilseeds | 0.0001 | 0.0002 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0000 | 0.0007 | 0.0000 | 0.0001 |
| 13 | Cotton | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 |
| 14 | Arhar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 |
| 16 | Urad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 |
| 17 | Other Pulses | 0.0002 | 0.0032 | 0.0001 | 0.0050 | 0.0002 | 0.0002 | 0.0006 | 0.0348 | 0.0007 | 0.0007 |
| 18 | Potato | 0.0000 | 0.0002 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 |
| 19 | Vegetables | 0.0002 | 0.0026 | 0.0001 | 0.0044 | 0.0001 | 0.0001 | 0.0005 | 0.0305 | 0.0007 | 0.0005 |
| 20 | Mango | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | Guava | - | - | - | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0011 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | - | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | Other Fruits | 0.0000 | 0.0005 | 0.0000 | 0.0008 | 0.0001 | 0.0000 | 0.0001 | 0.0051 | 0.0001 | 0.0001 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27 | Other crops | 0.0014 | 0.0268 | 0.0011 | 0.0141 | 0.0021 | 0.0014 | 0.0024 | 0.0585 | 0.0020 | 0.0034 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - | - | - | - |
| 29 | Milk and milk products | 0.0009 | 0.0092 | 0.0010 | 0.0144 | 0.0091 | 0.0008 | 0.0019 | 0.0952 | 0.0022 | 0.0029 |
| 30 | Other liv.st. produ. | 0.0007 | 0.0046 | 0.0010 | 0.0066 | 0.0010 | 0.0006 | 0.0009 | 0.0408 | 0.0011 | 0.0017 |
| 31 | Forestry and logging | 0.0028 | 0.0055 | 0.0029 | 0.0034 | 0.0010 | 0.0013 | 0.0007 | 0.0036 | 0.0009 | 0.0009 |
| 32 | Fishing | 0.0000 | 0.0003 | 0.0000 | 0.0005 | 0.0000 | 0.0000 | 0.0001 | 0.0033 | 0.0001 | 0.0001 |
| 33 | Coal and lignite | 0.0251 | 0.0111 | 0.0433 | 0.0154 | 0.0510 | 0.0122 | 0.0031 | 0.0072 | 0.0038 | 0.0021 |
| 34 | Petroleum products | 0.0581 | 0.3934 | 0.1749 | 0.1205 | 0.1929 | 0.0402 | 0.0419 | 0.0494 | 0.0184 | 0.0191 |
| 35 | Electricity | 0.1032 | 0.0290 | 0.2521 | 0.0617 | 0.3492 | 0.0333 | 0.0140 | 0.0271 | 0.0189 | 0.0082 |
| 36 | Natural gas | 0.0212 | 0.1266 | 0.0615 | 0.0416 | 0.0691 | 0.0140 | 0.0138 | 0.0184 | 0.0066 | 0.0065 |
| 37 | Lime stone | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 38 | Other non metallic minerals | 0.0015 | 0.0015 | 0.0014 | 0.0014 | 0.0010 | 0.0007 | 0.0003 | 0.0009 | 0.0004 | 0.0004 |
| 39 | Sugar | 0.0004 | 0.0022 | 0.0005 | 0.0038 | 0.0007 | 0.0005 | 0.0006 | 0.0159 | 0.0005 | 0.0005 |
| 40 | Khandsari, boora | 0.0001 | 0.0008 | 0.0000 | 0.0013 | 0.0001 | 0.0000 | 0.0002 | 0.0090 | 0.0002 | 0.0002 |
| 41 | Milling of Grain and Pulses | 0.0001 | 0.0005 | 0.0002 | 0.0008 | 0.0002 | 0.0002 | 0.0001 | 0.0021 | 0.0001 | 0.0002 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0030 | 0.0139 | 0.0044 | 0.0175 | 0.0056 | 0.0023 | 0.0028 | 0.0937 | 0.0030 | 0.0078 |
| 43 | Beverages | 0.0001 | 0.0014 | 0.0001 | 0.0023 | 0.0001 | 0.0001 | 0.0003 | 0.0159 | 0.0003 | 0.0003 |
| 44 | Tobacco products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 46 | Cotton textiles | 0.0005 | 0.0009 | 0.0006 | 0.0013 | 0.0004 | 0.0004 | 0.0003 | 0.0035 | 0.0003 | 0.0003 |
| 47 | Readymade garments | 0.0004 | 0.0015 | 0.0006 | 0.0021 | 0.0009 | 0.0010 | 0.0004 | 0.0122 | 0.0010 | 0.0011 |
| 48 | Miscellaneous textile products | 0.0015 | 0.0173 | 0.0007 | 0.0036 | 0.0005 | 0.0012 | 0.0009 | 0.0027 | 0.0006 | 0.0012 |
| 49 | Furniture and fixtures-wooden | 0.0006 | 0.0012 | 0.0008 | 0.0017 | 0.0011 | 0.0019 | 0.0004 | 0.0072 | 0.0016 | 0.0025 |
| 50 | Wood and wood products | 0.0043 | 0.0051 | 0.0034 | 0.0033 | 0.0013 | 0.0041 | 0.0017 | 0.0020 | 0.0009 | 0.0009 |
| 51 | Paper, paper prods. & newsprint | 0.0031 | 0.0123 | 0.0025 | 0.0608 | 0.0023 | 0.0133 | 0.0100 | 0.0122 | 0.0075 | 0.0036 |
| 52 | Printing and publishing | 0.0013 | 0.0039 | 0.0008 | 0.0314 | 0.0010 | 0.0068 | 0.0068 | 0.0025 | 0.0038 | 0.0029 |
| 53 | Leather footwear | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 54 | Leather and leather products | 0.0006 | 0.0008 | 0.0009 | 0.0008 | 0.0003 | 0.0005 | 0.0002 | 0.0004 | 0.0001 | 0.0001 |
| 55 | Rubber products | 0.0037 | 0.0310 | 0.0014 | 0.0089 | 0.0014 | 0.0023 | 0.0018 | 0.0021 | 0.0012 | 0.0016 |
| 56 | Plastic products | 0.0146 | 0.0246 | 0.0301 | 0.0351 | 0.0117 | 0.0213 | 0.0041 | 0.0149 | 0.0041 | 0.0032 |
| 57 | Coal tar products | 0.0041 | 0.0167 | 0.0095 | 0.0069 | 0.0092 | 0.0029 | 0.0020 | 0.0031 | 0.0012 | 0.0011 |
| 58 | Inorganic heavy chemicals | 0.0023 | 0.0051 | 0.0031 | 0.0034 | 0.0025 | 0.0015 | 0.0007 | 0.0017 | 0.0005 | 0.0006 |
| 59 | Fertilizers | 0.0005 | 0.0027 | 0.0009 | 0.0023 | 0.0006 | 0.0006 | 0.0004 | 0.0070 | 0.0003 | 0.0004 |
| 60 | Paints, varnishes and lacquers | 0.0030 | 0.0044 | 0.0062 | 0.0080 | 0.0012 | 0.0021 | 0.0006 | 0.0017 | 0.0007 | 0.0006 |
| 61 | Drugs and medicines | 0.0032 | 0.0023 | 0.0008 | 0.0014 | 0.0010 | 0.0009 | 0.0003 | 0.0007 | 0.0002 | 0.0041 |
| 62 | Synthetic fibers, resin | 0.0026 | 0.0076 | 0.0042 | 0.0051 | 0.0015 | 0.0032 | 0.0009 | 0.0023 | 0.0008 | 0.0008 |
| 63 | Other chemicals | 0.0103 | 0.0258 | 0.0201 | 0.0234 | 0.0242 | 0.0098 | 0.0047 | 0.0086 | 0.0033 | 0.0026 |
| 64 | Other non-metallic mineral prods. | 0.0042 | 0.0027 | 0.0043 | 0.0030 | 0.0054 | 0.0025 | 0.0006 | 0.0029 | 0.0009 | 0.0007 |
| 65 | Iron, steel and ferro alloys | 0.0329 | 0.0031 | 0.5228 | 0.0045 | 0.0022 | 0.0052 | 0.0009 | 0.0029 | 0.0031 | 0.0017 |
| 66 | Iron and steel foundries | 0.0496 | 0.0123 | 0.2773 | 0.0120 | 0.0083 | 0.0192 | 0.0022 | 0.0059 | 0.0044 | 0.0035 |
| 67 | Non-ferrous basic metals | 0.0073 | 0.0045 | 0.0320 | 0.0042 | 0.0026 | 0.0095 | 0.0007 | 0.0019 | 0.0013 | 0.0010 |
| 68 | Tractors and agri. implements | 0.0036 | 0.0117 | 0.0036 | 0.0068 | 0.0042 | 0.0037 | 0.0013 | 0.0146 | 0.0016 | 0.0039 |
| 69 | Machine tools | 0.0003 | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0004 | 0.0001 | 0.0000 | 0.0000 |
| 70 | Other non-electrical machinery | 0.0101 | 0.0284 | 0.0103 | 0.0145 | 0.0131 | 0.0114 | 0.0032 | 0.0131 | 0.0042 | 0.0116 |
| 71 | Electrical industrial Machinery | 0.0050 | 0.0011 | 0.0067 | 0.0020 | 0.0091 | 0.0014 | 0.0004 | 0.0008 | 0.0007 | 0.0002 |
| 72 | Electrical wires & cables | 0.0008 | 0.0023 | 0.0008 | 0.0010 | 0.0003 | 0.0024 | 0.0002 | 0.0005 | 0.0003 | 0.0003 |
| 73 | Batteries | 0.0002 | 0.0050 | 0.0002 | 0.0014 | 0.0002 | 0.0009 | 0.0002 | 0.0003 | 0.0002 | 0.0002 |
| 74 | Electrical appliances | 0.0010 | 0.0003 | 0.0031 | 0.0005 | 0.0003 | 0.0014 | 0.0001 | 0.0008 | 0.0003 | 0.0001 |
| 75 | Communication equipments | 0.0017 | 0.0017 | 0.0003 | 0.0079 | 0.0005 | 0.1288 | 0.0006 | 0.0015 | 0.0032 | 0.0006 |
| 76 | Other electrical Machinery | 0.0071 | 0.0036 | 0.0060 | 0.0102 | 0.0070 | 0.0821 | 0.0009 | 0.0038 | 0.0041 | 0.0009 |
| 77 | Electronic equipments(incl.TV) | 0.0024 | 0.0010 | 0.0008 | 0.0139 | 0.0010 | 0.0334 | 0.0005 | 0.0037 | 0.0066 | 0.0004 |
| 78 | Ships and boats | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0001 |
| 79 | Rail equipments | 0.1509 | 0.0003 | 0.0005 | 0.0012 | 0.0007 | 0.0003 | 0.0001 | 0.0003 | 0.0006 | 0.0001 |
| 80 | Motor vehicles | 0.0022 | 0.0255 | 0.0022 | 0.0168 | 0.0028 | 0.0036 | 0.0015 | 0.0017 | 0.0023 | 0.0018 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 0.0003 | 0.0002 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0018 | 0.0001 |
| 82 | Bicycles, cycle-rickshaw | 0.0011 | 0.0004 | 0.0001 | 0.0003 | 0.0001 | 0.0002 | 0.0000 | 0.0001 | 0.0002 | 0.0001 |
| 83 | Other transport equipments | 0.0171 | 0.0068 | 0.0019 | 0.0047 | 0.0016 | 0.0016 | 0.0006 | 0.0009 | 0.0009 | 0.0015 |
| 84 | Watches and clocks | 0.0006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 85 | Medical, precision&optical instru.s | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 86 | Jems & jewelry | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | - | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0189 | 0.0065 | 0.0032 | 0.0060 | 0.0037 | 0.0038 | 0.0041 | 0.0041 | 0.0021 | 0.0019 |
| 89 | Construction | 0.0552 | 0.0117 | 0.0056 | 0.0317 | 0.0078 | 0.0119 | 0.0066 | 0.0247 | 0.0161 | 0.0139 |
| 90 | Water supply | 0.0003 | 0.0005 | 0.0004 | 0.0004 | 0.0005 | 0.0002 | 0.0001 | 0.0012 | 0.0005 | 0.0002 |
| 91 | Railway transport services | 1.0027 | 0.0023 | 0.0033 | 0.0081 | 0.0045 | 0.0020 | 0.0007 | 0.0018 | 0.0042 | 0.0004 |
| 92 | Land tpt including via pipeline | 0.0143 | 1.0308 | 0.0067 | 0.1603 | 0.0093 | 0.0132 | 0.0438 | 0.0397 | 0.0161 | 0.0341 |
| 93 | Air transport | 0.0002 | 0.0005 | 1.0002 | 0.0009 | 0.0002 | 0.0007 | 0.0003 | 0.0008 | 0.0027 | 0.0006 |
| 94 | Supporting and aux. tpt activities | 0.0006 | 0.0022 | 0.0005 | 1.0038 | 0.0007 | 0.0004 | 0.0005 | 0.0038 | 0.0004 | 0.0003 |
| 95 | Storage and warehousing | 0.0001 | 0.0004 | 0.0001 | 0.0032 | 1.0001 | 0.0001 | 0.0052 | 0.0007 | 0.0000 | 0.0000 |
| 96 | Communication | 0.0028 | 0.0125 | 0.0024 | 0.0603 | 0.0033 | 1.0084 | 0.0045 | 0.0045 | 0.0248 | 0.0041 |
| 97 | Trade | 0.0230 | 0.0778 | 0.0152 | 0.0425 | 0.0215 | 0.0121 | 1.0120 | 0.1046 | 0.0077 | 0.0076 |
| 98 | Hotels and restaurants | 0.0051 | 0.0901 | 0.0028 | 0.1498 | 0.0038 | 0.0047 | 0.0187 | 1.0477 | 0.0223 | 0.0174 |
| 99 | Banking | 0.0210 | 0.0118 | 0.0122 | 0.0338 | 0.0169 | 0.0050 | 0.0349 | 0.0230 | 1.0390 | 0.0210 |
| 100 | Education and research | 0.0037 | 0.0067 | 0.0041 | 0.0053 | 0.0055 | 0.0111 | 0.0013 | 0.0029 | 0.0014 | 1.0132 |
| 101 | Medical and health | 0.0130 | 0.0021 | 0.0013 | 0.0016 | 0.0017 | 0.0019 | 0.0004 | 0.0009 | 0.0004 | 0.0023 |
| 102 | Business services | 0.0083 | 0.0432 | 0.0113 | 0.0378 | 0.0153 | 0.0075 | 0.0120 | 0.0122 | 0.0074 | 0.0234 |
| 103 | Computer & related activities | 0.0010 | 0.0009 | 0.0002 | 0.0034 | 0.0003 | 0.0008 | 0.0010 | 0.0012 | 0.0013 | 0.0005 |
| 104 | Real estate activities | 0.0001 | 0.0002 | 0.0001 | 0.0002 | 0.0001 | 0.0003 | 0.0000 | 0.0001 | 0.0001 | 0.0002 |
| 105 | O.com, social&personal services | 0.0005 | 0.0017 | 0.0007 | 0.0157 | 0.0009 | 0.0019 | 0.0003 | 0.0024 | 0.0027 | 0.0003 |
| 106 | Other services | 0.0003 | 0.0007 | 0.0002 | 0.0006 | 0.0003 | 0.0004 | 0.0001 | 0.0006 | 0.0001 | 0.0005 |
| 107 | Public administration | 0.0555 | 0.1502 | 0.0890 | 0.1077 | 0.1212 | 0.0444 | 0.0295 | 0.0648 | 0.0257 | 0.1681 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
|---------------|--------------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | Paddy | 0.0026 | 0.0008 | 0.0004 | 0.0001 | 0.0004 | 0.0002 | 0.0018 |
| 2 | Wheat | 0.0015 | 0.0005 | 0.0002 | 0.0000 | 0.0000 | 0.0001 | 0.0010 |
| 3 | Jowar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | Bajra | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 5 | Maize | 0.0003 | 0.0004 | 0.0002 | 0.0000 | 0.0001 | 0.0003 | 0.0008 |
| 6 | Gram | 0.0001 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0004 |
| 7 | Barley | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 8 | Sugarcane | 0.0121 | 0.0227 | 0.0111 | 0.0002 | 0.0023 | 0.0030 | 0.0483 |
| 9 | Groundnut | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 10 | Sesamum | - | - | - | - | - | - | - |
| 11 | Rapeseed & Mustard | 0.0003 | 0.0013 | 0.0006 | 0.0000 | 0.0000 | 0.0001 | 0.0028 |
| 12 | Other oilseeds | 0.0011 | 0.0006 | 0.0003 | 0.0000 | 0.0001 | 0.0003 | 0.0013 |
| 13 | Cotton | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 14 | Arhar | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | Lentil | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 16 | Urad | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 17 | Other Pulses | 0.0040 | 0.0007 | 0.0003 | 0.0001 | 0.0000 | 0.0001 | 0.0014 |
| 18 | Potato | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0002 |
| 19 | Vegetables | 0.0025 | 0.0002 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0005 |
| 20 | Mango | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | Guava | - | - | - | - | - | - | - |
| 22 | Litchi | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | Gooseberry | - | - | - | - | - | - | - |
| 24 | Papaya | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | Other Fruits | 0.0005 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0003 |
| 26 | Tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
|---------------|--|------------|------------|------------|------------|------------|------------|------------|
| 27 | Other crops | 0.0133 | 0.0090 | 0.0044 | 0.0004 | 0.0019 | 0.0015 | 0.0191 |
| 28 | Other Non-food crops | - | - | - | - | - | - | - |
| 29 | Milk and milk products | 0.0120 | 0.0141 | 0.0069 | 0.0003 | 0.0004 | 0.0010 | 0.0300 |
| 30 | Other liv.st. produ. | 0.0055 | 0.0121 | 0.0059 | 0.0002 | 0.0008 | 0.0013 | 0.0257 |
| 31 | Forestry and logging | 0.0025 | 0.0029 | 0.0015 | 0.0011 | 0.0010 | 0.0047 | 0.0063 |
| 32 | Fishing | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 33 | Coal and lignite | 0.0058 | 0.0116 | 0.0341 | 0.0005 | 0.0178 | 0.0269 | 0.0247 |
| 34 | Petroleum products | 0.0419 | 0.0240 | 0.0135 | 0.0028 | 0.1112 | 0.0620 | 0.0508 |
| 35 | Electricity | 0.0219 | 0.0579 | 0.0305 | 0.0016 | 0.0228 | 0.0446 | 0.1230 |
| 36 | Natural gas | 0.0164 | 0.0094 | 0.0052 | 0.0010 | 0.0977 | 0.0231 | 0.0200 |
| 37 | Lime stone | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0001 | 0.0000 |
| 38 | Other non metallic minerals | 0.0010 | 0.0007 | 0.0003 | 0.0006 | 0.0042 | 0.0021 | 0.0014 |
| 39 | Sugar | 0.0032 | 0.0013 | 0.0007 | 0.0001 | 0.0023 | 0.0020 | 0.0028 |
| 40 | Khandsari, boora | 0.0014 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0004 |
| 41 | Milling of Grain and Pulses | 0.0005 | 0.0015 | 0.0007 | 0.0000 | 0.0001 | 0.0005 | 0.0031 |
| 42 | Miscellaneous food (Incl Dairy) products | 0.0203 | 0.0781 | 0.0381 | 0.0005 | 0.0022 | 0.0053 | 0.1663 |
| 43 | Beverages | 0.0015 | 0.0001 | 0.0001 | 0.0001 | 0.0010 | 0.0001 | 0.0002 |
| 44 | Tobacco products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 |
| 45 | Khadi, cotton textiles(handlooms) | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 46 | Cotton textiles | 0.0016 | 0.0006 | 0.0003 | 0.0000 | 0.0009 | 0.0011 | 0.0014 |
| 47 | Readymade garments | 0.0068 | 0.0015 | 0.0007 | 0.0001 | 0.0001 | 0.0009 | 0.0032 |
| 48 | Miscellaneous textile products | 0.0060 | 0.0011 | 0.0006 | 0.0001 | 0.0003 | 0.0244 | 0.0024 |
| 49 | Furniture and fixtures-wooden | 0.0127 | 0.0049 | 0.0024 | 0.0002 | 0.0002 | 0.0006 | 0.0105 |
| 50 | Wood and wood products | 0.0042 | 0.0015 | 0.0008 | 0.0007 | 0.0008 | 0.0640 | 0.0032 |
| 51 | Paper, paper prods. & newsprint | 0.0086 | 0.0075 | 0.0037 | 0.0004 | 0.0007 | 0.0087 | 0.0160 |
| 52 | Printing and publishing | 0.0049 | 0.0031 | 0.0015 | 0.0001 | 0.0001 | 0.0006 | 0.0067 |
| 53 | Leather footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
|---------------|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|
| 54 | Leather and leather products | 0.0004 | 0.0004 | 0.0002 | 0.0000 | 0.0007 | 0.0017 | 0.0007 |
| 55 | Rubber products | 0.0024 | 0.0052 | 0.0026 | 0.0001 | 0.0005 | 0.0027 | 0.0111 |
| 56 | Plastic products | 0.0136 | 0.0142 | 0.0082 | 0.0008 | 0.0168 | 0.1486 | 0.0295 |
| 57 | Coal tar products | 0.0026 | 0.0019 | 0.0010 | 0.0007 | 0.0067 | 0.0083 | 0.0040 |
| 58 | Inorganic heavy chemicals | 0.0061 | 0.0014 | 0.0007 | 0.0001 | 0.0079 | 0.0093 | 0.0030 |
| 59 | Fertilizers | 0.0016 | 0.0010 | 0.0005 | 0.0001 | 0.0012 | 0.0036 | 0.0022 |
| 60 | Paints, varnishes and lacquers | 0.0017 | 0.0014 | 0.0007 | 0.0006 | 0.0026 | 0.0086 | 0.0029 |
| 61 | Drugs and medicines | 0.2259 | 0.0071 | 0.0035 | 0.0001 | 0.0005 | 0.0018 | 0.0152 |
| 62 | Synthetic fibers, resin | 0.0027 | 0.0034 | 0.0017 | 0.0002 | 0.0024 | 0.0233 | 0.0071 |
| 63 | Other chemicals | 0.0102 | 0.0066 | 0.0036 | 0.0007 | 0.0207 | 0.0742 | 0.0137 |
| 64 | Other non-metallic mineral prods. | 0.0020 | 0.0008 | 0.0004 | 0.0013 | 0.0415 | 0.0022 | 0.0017 |
| 65 | Iron, steel and ferro alloys | 0.0032 | 0.0047 | 0.0023 | 0.0030 | 0.0007 | 0.0010 | 0.0100 |
| 66 | Iron and steel foundries | 0.0070 | 0.0191 | 0.0094 | 0.0034 | 0.0021 | 0.0092 | 0.0407 |
| 67 | Non-ferrous basic metals | 0.0024 | 0.0075 | 0.0037 | 0.0004 | 0.0012 | 0.0024 | 0.0160 |
| 68 | Tractors and agri. implements | 0.0066 | 0.0396 | 0.0194 | 0.0004 | 0.0008 | 0.0032 | 0.0844 |
| 69 | Machine tools | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0001 |
| 70 | Other non-electrical machinery | 0.0159 | 0.1323 | 0.0647 | 0.0005 | 0.0017 | 0.0080 | 0.2818 |
| 71 | Electrical industrial Machinery | 0.0008 | 0.0017 | 0.0009 | 0.0000 | 0.0007 | 0.0014 | 0.0035 |
| 72 | Electrical wires & cables | 0.0005 | 0.0011 | 0.0006 | 0.0004 | 0.0001 | 0.0001 | 0.0024 |
| 73 | Batteries | 0.0003 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0005 |
| 74 | Electrical appliances | 0.0004 | 0.0003 | 0.0002 | 0.0001 | 0.0002 | 0.0002 | 0.0007 |
| 75 | Communication equipments | 0.0016 | 0.0003 | 0.0002 | 0.0002 | 0.0000 | 0.0001 | 0.0007 |
| 76 | Other electrical Machinery | 0.0049 | 0.0038 | 0.0019 | 0.0002 | 0.0006 | 0.0017 | 0.0080 |
| 77 | Electronic equipments(incl.TV) | 0.0117 | 0.0007 | 0.0003 | 0.0001 | 0.0001 | 0.0002 | 0.0014 |
| 78 | Ships and boats | 0.0004 | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0001 |
| 79 | Rail equipments | 0.0004 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0003 |
| 80 | Motor vehicles | 0.0031 | 0.0046 | 0.0023 | 0.0001 | 0.0007 | 0.0007 | 0.0097 |

Matrix 3: Leontief Inverse Matrix (Commodity x Industry) 2016-17

| s. no. | Sector Name | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
|--------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| 81 | Motor cycles and scooters | 0.0001 | 0.0003 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0006 |
| 82 | Bicycles, cycle-rickshaw | 0.0003 | 0.0009 | 0.0004 | 0.0000 | 0.0000 | 0.0001 | 0.0019 |
| 83 | Other transport equipments | 0.0020 | 0.0145 | 0.0071 | 0.0001 | 0.0002 | 0.0009 | 0.0310 |
| 84 | Watches and clocks | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 85 | Medical, precision&optical instru.s | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 86 | Jems & jewelry | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| 87 | Aircraft & spacecraft | - | - | - | - | - | - | - |
| 88 | Miscellaneous manufacturing | 0.0050 | 0.0016 | 0.0008 | 0.0003 | 0.0013 | 0.0085 | 0.0034 |
| 89 | Construction | 0.0181 | 0.0034 | 0.0017 | 0.0417 | 0.0009 | 0.0012 | 0.0072 |
| 90 | Water supply | 0.0004 | 0.0016 | 0.0008 | 0.0001 | 0.0001 | 0.0001 | 0.0034 |
| 91 | Railway transport services | 0.0027 | 0.0009 | 0.0005 | 0.0002 | 0.0004 | 0.0006 | 0.0019 |
| 92 | Land tpt including via pipeline | 0.0388 | 0.0186 | 0.0093 | 0.0021 | 0.0010 | 0.0022 | 0.0396 |
| 93 | Air transport | 0.0018 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0003 |
| 94 | Supporting and aux. tpt activities | 0.0030 | 0.0003 | 0.0002 | 0.0002 | 0.0001 | 0.0001 | 0.0006 |
| 95 | Storage and warehousing | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 96 | Communication | 0.0115 | 0.0024 | 0.0012 | 0.0008 | 0.0003 | 0.0005 | 0.0050 |
| 97 | Trade | 0.0431 | 0.0073 | 0.0038 | 0.0037 | 0.0017 | 0.0031 | 0.0156 |
| 98 | Hotels and restaurants | 0.0844 | 0.0057 | 0.0028 | 0.0033 | 0.0004 | 0.0008 | 0.0121 |
| 99 | Banking | 0.0179 | 0.0054 | 0.0028 | 0.0084 | 0.0013 | 0.0024 | 0.0115 |
| 100 | Education and research | 0.0120 | 0.0914 | 0.0447 | 0.0002 | 0.0005 | 0.0049 | 0.1947 |
| 101 | Medical and health | 1.0026 | 0.0286 | 0.0140 | 0.0001 | 0.0001 | 0.0015 | 0.0610 |
| 102 | Business services | 0.0247 | 1.2535 | 0.1237 | 0.0013 | 0.0014 | 0.0134 | 0.5399 |
| 103 | Computer & related activities | 0.0016 | 0.0027 | 1.0013 | 0.0000 | 0.0000 | 0.0002 | 0.0057 |
| 104 | Real estate activities | 0.0002 | 0.0023 | 0.0011 | 1.0058 | 0.0000 | 0.0001 | 0.0050 |
| 105 | O.com, social&personal services | 0.0087 | 0.0005 | 0.0002 | 0.0010 | 1.0001 | 0.0002 | 0.0010 |
| 106 | Other services | 0.0006 | 0.0013 | 0.0007 | 0.0001 | 0.0002 | 1.0001 | 0.0028 |
| 107 | Public administration | 0.1842 | 2.1061 | 1.0277 | 0.0053 | 0.0100 | 0.1101 | 4.4863 |

APPENDIX I

Table A1: Sector Specification for the Input-Output Table, 2016-17

| IOT Sec. No. | Sectors/Industry Name | Specification |
|---------------------|------------------------------|--|
| 1 | Paddy | Paddy |
| 2 | Wheat | Wheat |
| 3 | Jowar | Jowar |
| 4 | Bajra | Bajra |
| 5 | Maize | Maize |
| 6 | Gram | Gram |
| 7 | Barley | Barley |
| 8 | Sugarcane | Sugarcane, Gur |
| 9 | Groundnut | Groundnut |
| 10 | Sesamum | Sesamum |
| 11 | Rapeseed & Mustard | Rapeseed & Mustard |
| 12 | Other oilseeds | Other oilseeds |
| 13 | Cotton | Raw Cotton |
| 14 | Arhar | Arhar |
| 15 | Lentil | Lentil |
| 16 | Urad | Urad |
| 17 | Other Pulses | tur, moong, matar, masur and gram dal including flour |
| 18 | Potato | Potato |
| 19 | Vegetables | Arbi/Colacasia, Ash Gourd/Petha, Beans(All Including Lab-lab(Sem)), Bitter Gourd, Bottle Gourd, Brinjal, Cabbage, Carrot, Cauliflower, Green Chilly, Kaddu/Pumpkin, Okra/Ladies Finger, Onion, Peas Green, Pointed Gourd/Parwal, Potato, Radish, Ridge/SpongeGourd (Torai), Sweet Potato, Tomato, Turnip, Other Vegetables, Coriander, Spinach, Cucumber, Ginger, Capsicum |
| 20 | Mango | Mango |
| 21 | Guava | Guava |
| 22 | Litchi | Litchi |
| 23 | Gooseberry | Gooseberry |
| 24 | Papaya | Papaya |
| 25 | Other Fruits | Other Fruits |
| 26 | Tobacco | Tobacco stemming, redrying, grading etc. And manufacture of bidi, cigars, cigarette, cheroots, cigarette tobacco, chewing tobacco, zarda and snuff |
| 27 | Other crops | Other crops |
| 28 | Other Non-food crops | Other Non-food crops |

| | | |
|----|--|---|
| 29 | Milk and milk products | Milk and milk products |
| 30 | Other liv.st. produ. | Other liv.st. produ. |
| 31 | Forestry and logging | Planting, replanting, conservation of forests, production of fuel including charcoal, felling and cutting of trees, hewing or rough shaping of poles, blocks etc. And transportation of logs upto the permanent lines of transport, industrial wood (timber, match and pulp wood) bamboo, sandal wood, gathering of uncultivated materials such as gums, lacs, resins, forest grown fruits, nuts, herbs, barks and cane, gobar gas |
| 32 | Fishing | Rearing and catching of fish, seaweeds, shells, pearls, sponges etc. Fish curing viz; salting and sundrying of fish |
| 33 | Coal and lignite | Coal and lignite |
| 34 | Petroleum products | Petroleum products |
| 35 | Electricity | Electricity |
| 36 | Natural gas | Natural gas |
| 37 | Lime stone | Lime stone |
| 38 | Other non metallic minerals | Other non metallic minerals |
| 39 | Sugar | Sugar Manufacturing from sugarcane, gur |
| 40 | Khandsari, boora | Boora, candy and khandsari |
| 41 | Milling of Grain and Pulses | Milling of Grain and Pulses |
| 42 | Miscellaneous food (Incl Dairy) products | Miscellaneous food (Incl Dairy) products |
| 43 | Beverages | Distilling, rectifying and blending of spirits, wines, beer, malt, liquors, other malt country liquor, toddy, manufacture of aerated drinks, aerated natural flavoured syrups, synthetic flavoured syrups, fruit juices and beverages n.e.c. |
| 44 | Tobacco products | Tobacco stemming, redrying, grading etc. And manufacture of bidi, cigars, cigarette, cheroots, cigarette tobacco, chewing tobacco, zarda and snuff |
| 45 | Khadi, cotton textiles(handlooms) | Cotton spinning in charkha, khadi weaving and finishing of cotton textiles in handlooms |
| 46 | Cotton textiles | Cotton ginning, cleaning and baling, spinning, weaving and finishing of cotton textiles in mills and power looms, printing, dyeing and bleaching of cotton textiles, cotton textiles n.e.c. |
| 47 | Readymade garments | Readymade garments, clothing and tailoring, made up textile goods, curtains, |

| | | |
|----|---------------------------------|---|
| | | bed covers, furnishings, mosquito nets |
| 48 | Miscellaneous textile products | Cotton, woollen and synthetic fibres knitting in mills or otherwise, thread and thread ball making, jute, cotton, hemp, sisal, nylon rope, cordage and twines, nets, webbing, narrow fabrics, embroidery work, laces, fringes, zari and zari products, manufacture of rain coats, hats, umbrellas etc., Oil cloth, rubberised cloth, tarpaulin, artificial leather, made-up canvas goods, coir fibre, yarn and coir products, linoleum and similar products, gas mantles and other textiles viz. Bandage, gauze, dressing cloth |
| 49 | Furniture and fixtures-wooden | Wooden, bamboo, cane furniture and fixtures and repair of such furniture |
| 50 | Wood and wood products | Manufacture of veneer, plywood and their products, sawing and planing of wood, container made of wood, cane, bamboo, reed etc., structural wooden goods such as beams, posts etc., Wooden industrial goods, cork and cork products and miscellaneous wood, bamboo and cane products |
| 51 | Paper, paper prods. & newsprint | Manufacture of machine made and made pulp, paper and paper board including newsprint, containers and boxes of paper and paper board, miscellaneous pulp products, paper and paper board articles |
| 52 | Printing and publishing | Printing and publishing of newspapers, periodicals, books, journals, atlases, maps, sheet music, directories, bank notes, currency notes, postage stamps, security passes, engraving, etching, block making, book binding, allied activities like envelope printing, picture post card printing, embossing |
| 53 | Leather footwear | Manufacture and repair of leather footwear, leather-cum-rubber/plastic cloth footwear |
| 54 | Leather and leather products | Tanning, curing, finishing, embossing and japanning of leather, manufacture of wearing apparel and consumer goods of leather and substitutes of leather, scrapping curving and tanning, bleaching, dyeing of fur and other pelts, manufacture of wearing apparel, rugs and other articles of fur and pelts |
| 55 | Rubber products | Rubber tyres and tubes for motor vehicles, tractors, aircraft, scooters, motor cycles |

| | | |
|----|-----------------------------------|---|
| | | and cycles and other rubber and plastic footwear, rubber surgical and medical equipment, rubber contraceptives, rubber pipes, balloons, rubber industrial and domestic goods and misc. Rubber products |
| 56 | Plastic products | Plastic moulded goods and such as containers, sheets, nets, cords, polythene bags, spectacles frames, industrial accessories, domestic goods and miscellaneous plastic products |
| 57 | Coal tar products | Coke and other coal tar product |
| 58 | Inorganic heavy chemicals | Inorganic heavy chemicals |
| 59 | Fertilizers | Inorganic, organic, mixed and other fertilizers |
| 60 | Paints, varnishes and lacquers | Paints, varnishes and lacquers |
| 61 | Drugs and medicines | Drugs and medicines - allopathic, ayurvedic, unani, homoeopathic and others |
| 62 | Synthetic fibers, resin | Synthetic fibers, resin |
| 63 | Other chemicals | Other chemicals |
| 64 | Other non-metallic mineral prods. | Other non-metallic mineral prods. |
| 65 | Iron, steel and ferro alloys | Iron, steel and ferro alloys |
| 66 | Iron and steel foundries | Iron and steel foundries |
| 67 | Non-ferrous basic metals | Non-ferrous basic metals |
| 68 | Tractors and agri. implements | Tractors and agri. implements |
| 69 | Machine tools | Automatic, capstans, turrets and lathes, boring, broaching, drilling and threading machines, milling, planing, shaping, gear cutting and slotting machines, grinding, lapping, honing and polishing machines, sawing, filling and cut-off machines, metal forming machinery and other metal work machine tools |
| 70 | Other non-electrical machinery | Drills, coal cutting machines, earth moving, lifting and hoisting machinery, cranes, conveyors and road rollers and other heavy machinery and equipment used by construction and mining industries, prime movers, boilers and steam generating plants such as diesel engines, refrigerating, air conditioning plants for industrial use, domestic air conditioners and refrigerators, fire fighting equipment and appliances including fire engines, conveying equipment such as bucket elevators, derrick and size |

| | | |
|----|-------------------------------------|---|
| | | reduction equipment like crushers, ball mills etc., Centrifugal machines, pumps, air and gas compressors and vacuum pumps, ball roller and tapered bearings, speed reduction units, sewing and knitting machines, washing machines, filtration and distillation equipment, arms and armaments and miscellaneous non-electrical machinery and their repair services |
| 71 | Electrical industrial Machinery | Generators, transformers, switch gears, electric motors |
| 72 | Electrical wires & cables | Electrical wires & cables |
| 73 | Batteries | Batteries |
| 74 | Electrical appliances | Electrical appliances |
| 75 | Communication equipments | Communication equipments |
| 76 | Other electrical Machinery | Other electrical Machinery |
| 77 | Electronic equipments(incl.TV) | Electronic equipments(incl.TV) |
| 78 | Ships and boats | Ships and boats |
| 79 | Rail equipments | Rail equipments |
| 80 | Motor vehicles | Motor vehicles |
| 81 | Motor cycles and scooters | Motor cycles and scooters |
| 82 | Bicycles, cycle-rickshaw | Bicycles, cycle-rickshaw |
| 83 | Other transport equipments | Other transport equipments |
| 84 | Watches and clocks | Watches and clocks |
| 85 | Medical, precision&optical instru.s | Medical, precision&optical instru.s |
| 86 | Jems & jewelry | Jems & jewelry |
| 87 | Aircraft & spacecraft | Manufacture of aircraft , Spacecrafts, and parts and repair |
| 88 | Miscellaneous manufacturing | Water meters, steam meters and electricity meters, recording and regulating devices for pressure, temperature, weight, level etc., minting coins, sports and athletic goods and play equipment, musical instruments, stationery articles like fountain pens, pencils, pens, pin cushions, tags, hair brushes, dusters, feather articles, signs and advertising displays, mechanical toys, other toys, bones, ivory, horns and similar products, wigs, costume, lampshades, presentation articles, badges and others, and repair of enterprises not elsewhere classified |
| 89 | Construction | Construction and maintenance of buildings, aerodromes, roads, railways, bridges, tunnels, pipelines, ports, harbours, |

| | | |
|-----|------------------------------------|---|
| | | runways communication systems, waterways, water reservoirs, hydro electric projects and industrial plants and activities allied to construction |
| 90 | Water supply | Water supply |
| 91 | Railway transport services | Railway transport services |
| 92 | Land tpt including via pipeline | Land tpt including via pipeline |
| 93 | Air transport | Air transport |
| 94 | Supporting and aux. tpt activities | Supporting and aux. tpt activities |
| 95 | Storage and warehousing | Storage and warehousing |
| 96 | Communication | Communication |
| 97 | Trade | Trade |
| 98 | Hotels and restaurants | Hotels and restaurants |
| 99 | Banking | Banking |
| 100 | Education and research | Education and research |
| 101 | Medical and health | Medical and health |
| 102 | Business services | Business services |
| 103 | Computer & related activities | Computer & related activities |
| 104 | Real estate activities | Real estate activities |
| 105 | O.com, social&personal services | O.com, social&personal services |
| 106 | Other services | Other services |
| 107 | Public administration | Public administration |

APPENDIX II

METHODOLOGY OF ESTIMATION OF SERVICES SECTOR

Both theory and empirical facts highlight the increasing role of services in growth process of an economy. Indian economy, in contrast to the experiences of developed countries of the West, moved from the primary dominated to tertiary dominated economic structure, skipping the mid-stage movement from primary to secondary sector dominate more than 60% of Indian GDP comes from tertiary sectors. This facet is also reflected in the input output table of India. In fact, 23 of 130 sectors, in which Indian economy is classified, are service providers. Thus, 17.69% of total sectors of the economy are services sector. In the input output table of the economy of U.P services also account for about 17% of total sectors into which the economy of U.P. is classified. This is not much different from the share of services in total sectors of Indian economy.

SOME DISTINGUISHING FEATURES OF SERVICES SECTORS

The following features distinguish services sectors from the primary and secondary sectors of the economy; these features make the input-output structure of services different from the input-output structures of primary and secondary sectors:

(i) While primary and secondary sectors' products and by-products are material and concrete, products/outputs of services sectors are non-material and abstract. It rules out counting or enumeration of output of services. In other words, outputs of services are immeasurable in quantitative terms. Consequently, value of output of primary/secondary sector, say i , at time t is given by

$$X_{it} = P_{it} * Q_{it}$$

X_{it} is gross value of output of sector i , Q_i is quantity and P_i is price of good(s) produced by i -th sector;

(ii) However, quantity of output of any service sector is immeasurable due to its non-material abstract nature,, though in some cases its price charged from the recipient/buyer/user is

known almost accurately . But the amount paid by buyer/user to supplier/producer of j-th service is conceptually volume of payment, which equals $\sim P_{jt} * Q_{jt}$

P_{jt} and Q_{jt} are price and notional quantity of of j-th service sector, that is, purchased and sold. Thus, there is practically no difference between commodity production sectors and tertiary sectors in such cases irrespective of the nature and measurability of quantity of output of services like j.. Sum total of payments received from all buyers/users of such services may, therefore, be treated as gross value of output of j-th service:

$$X_{jt} = \sum P_{jt} Q_{jkt}$$

Q_{jkt} is quantum of service used/purchased by k-th user, $k=1,2,\dots,m$; where m is total number of users/consumers of j-th service.

This approach skirts the problem of the measuring the quantity of service provided and produced by a service sector.

DETERMINATION OF GROSS VALUE ADDED AND INTERMEDIATE INPUTS

It is assumed that the input structure of services sectors in U.P. is an approximation of input structure of services sectors in Indian input-output table. Therefore, gross value added is determined as follows:

$$GVA_{ind}/GVO_{ind} \times GVO_{up} = GVA_{up};$$

GVA= Gross Value Added; GVO=Gross Value of output, ind indicates India and up stands for Uttar Pradesh.

Commodity wise inputs of services sectors of UP are determined as follows'

$$X_{iiup} = (X_{iiind} / \sum X_{iiind}) \times \sum X_{iiup}$$

X_{iiup} shows use of i-th input used to produce X_j output of j-th service.

Thus, the procedure furnishes estimates of gross value of output, gross value added and item wise commodity inputs of services sectors of U.P.'s table for which we did not have adequate/complete data.

Above discussion explains the multiple approaches and formulae used to overcome data difficulties in the compilation of columns of commodity wise inputs of services sectors in the input output table of Uttar Pradesh.

REFERENCES

Chowdhury, T. P. (1954), "Consumption Levels in India (an Econometric Analysis)," Unpublished thesis, London University, 1954.

Malenbaum, W. (1955), "India's Domestic Product, 1951/52-1953/54," *Indian Economic Journal*, Vol. 2, No. 3, January 1955: 247-253.

Datta, U. (1954), "A preliminary study of inter-industry relations in India" *Studies Relating to Planning for National Development*, Indian Statistical Institute (SPND, ISI), No. 7, December 1954.

Mukherjee, M. (1954), "The Technique of Social Accounting in a Pre-industrial Economy," *Sankhya*, Vol. 14, Parts 1 & 2, September 1954: 1-24.

Goodwin, R. R.(1955), "Transactions matrices for the Indian Union 1950-51,"*Studies Relating to Planning for National Development*, Indian Statistical Institute (SPND, ISI), No. 17, January 1955.

Indian Institute of Public Opinion, "The Structure of the Indian Economy: The Scope and Possibilities of Input-Output Analysis," *Quarterly Economic Report*, Vol. 1, No. 3, October 1954: 23-50.

Inter-industry Unit (ISI), "Inter-industry Relations in the Indian Union,1951-52," *Papers on National Income and Allied Topics*, Vol. I, 1960.1953

Economic Commission for Asia and the Far East (UN) (1955), "Formulating Industrial Development Programmes -with special reference to Asia and the Far East", Bangkok, 1961.

Inter-industry Unit (1960), "Inter-industry Relations of the Indian Economy1955-56 (at market prices)," *Studies Relating to Planning for National Development*, Indian Statistical Institute (SPND, ISI), No. 217, January1961.1960

Manne, A. S. and A. Rudra (1968), "A Consistency Model of India's Fourth Plan," *Sanhkya*, Series B, Vol. 27, Parts 1&2, September 1965, pp.57-144.

Saluja, M. R. (1968), "Structure of Indian Economy: Inter-industry Flows and Pattern of Final Demands 1964-65," *Sanhkya*, Series B, Vol. 30, Parts1&2, June 1968, pp.97-122.

Saluja, M. R., "Structure of Indian Economy: 1964-65 -Input-Output Relations among 144 Sectors," *Sanhkya*, Series B, Vol. 34, Part 4, December 1972, pp.433-462.1964