

# India - Annual Survey of Industries Summary 1990-91

**Central Statistics Office (Industrial Statistics Wing) - MOSPI, Government of India**

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## Overview

### Identification

ID NUMBER  
IND-CSO-ASI-SUMMARY-90-91

### Version

VERSION DESCRIPTION  
Version1.00: Reorganised Anonymized dataset for publication

PRODUCTION DATE  
2012-06-29

### Overview

ABSTRACT  
Introduction

The Annual Survey of Industries (ASI) is the principal source of industrial statistics in India. It provides statistical information to assess changes in the growth, composition and structure of organised manufacturing sector comprising activities related to manufacturing processes, repair services, gas and water supply and cold storage. Industrial sector occupies an important position in the State economy and has a pivotal role to play in the rapid and balanced economic development. The Survey is conducted annually under the statutory provisions of the Collection of Statistics Act 1953, and the Rules framed there-under in 1959, except in the State of Jammu & Kashmir where it is conducted under the State Collection of Statistics Act, 1961 and the rules framed there-under in 1964.

KIND OF DATA  
Census and Sample survey data [cen/ssd]

UNITS OF ANALYSIS  
The primary unit of enumeration in the survey is a factory in the case of manufacturing industries, a workshop in the case of repair services, an undertaking or a licensee in the case of electricity, gas & water supply undertakings and an establishment in the case of bidi & cigar industries. The owner of two or more establishments located in the same State and pertaining to the same industry group and belonging to same scheme (census or sample) is, however, permitted to furnish a single consolidated return. Such consolidated returns are common feature in the case of bidi and cigar establishments, electricity and certain public sector undertakings.

### Scope

NOTES  
The survey covers all the factories registered under Sections 2(m)(i) and 2(m)(ii) of the Factories Act, 1948, i.e. 10 or more workers with the aid of power or 20 or more workers without the aid of power. The survey also covers bidi and cigar manufacturing establishments registered under the Bidi and Cigar Workers (Conditions of Employment) Act 1966. All electricity undertakings engaged in generation, transmission and distribution of electricity, but not registered with the Central Electricity Authority (CEA) are also covered under ASI.

#### TOPICS

Topic	Vocabulary	URI
Macroeconomics & Growth	World Bank	<a href="http://www.surveynetwork.org/toolkit">http://www.surveynetwork.org/toolkit</a>

Topic	Vocabulary	URI
Private Sector and Trade	World Bank	<a href="http://www.surveynetwork.org/toolki">http://www.surveynetwork.org/toolki</a>
Public Sector	World Bank	

**KEYWORDS**

FIXED CAPITAL, BONUS, WORKING CAPITAL, EMPLOYEES, WAGES AND SALARIES, TOTAL EMOLUMENTS, FUELS CONSUMED, DEPRECIATION, GROSS OUTPUT, NET VALUE ADDED, FINISHED GOODS, PHYSICAL WORKING CAPITAL, TOTAL INPUT, TOTAL OUTPUT, Ownership Code, RENT, Gross Value of Plant & Machinery, Total Inventory, Working Capital, Outstanding Loans, Material Consumed, Stock Of Materials fuels Stores etc., Stock Of Semi-Finished Goods, Contribution to Provident & Other Funds, Invested Capital, Net Income, Profits, Own Construction, Gross Sale value, Quantity of Electricity Purchased, Consumed and sold

**Coverage****GEOGRAPHIC COVERAGE**

Coverage of the Annual Survey of Industries extends to the entire Factory Sector, comprising industrial units (called factories) registered under section 2(m)(i) and 2(m)(ii) of the Factories Act.1948, wherein a "Factory", which is the primary statistical unit of enumeration for the ASI is defined as:-

"Any premises" including the precincts thereof:-

(i) wherein ten or more workers are working or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on with the aid of power or is ordinarily so carried on,

or

(ii) wherein twenty or more workers are working or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on without the aid of power. In addition to section 2(m)(i) & 2(m)(ii) of the Factories Act, 1948, electricity units registered with the Central Electricity Authority and Bidi & Cigar units, registered under the Bidi & Cigar Workers (Conditions of Employment) Act,1966 are also covered in ASI.

**UNIVERSE**

The survey cover factories registered under the Factory Act 1948.

Establishments under the control of the Defence Ministry,oil storage and distribution units, restaurants and cafes and technical training institutions not producing anything for sale or exchange were kept outside the coverage of the ASI.

The geographical coverage of the Annual Survey of Industries, 1994-95 has been extended to the entire country except the states of Arunachal Pradesh, Mizoram and Sikkim and Union Territory of Lakshadweep.

**Producers and Sponsors****PRIMARY INVESTIGATOR(S)**

Name	Affiliation
Central Statistics Office (Industrial Statistics Wing)	MOSPI, Government of India

**OTHER PRODUCER(S)**

Name	Affiliation	Role
CSO(IS Wing), Kolkata	MOSPI	Analysis, Design and data processing
Field Operation Division, NSSO	MOSPI	Data Collection
Computer Centre	MOSPI	Data dissemination

**FUNDING**

Name	Abbreviation	Role
MOSPI, Government of India	GOI	

## OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Standing Committee on Industrial Statistics	GOI	Formulation and Finalisation of the survey study
Computer Centre	MOSPI	Dissemination and web hosting

## Metadata Production

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## METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Computer Centre	MOSPI, CC	Ministry of Statistics and P I	Documentation of the study

## DATE OF METADATA PRODUCTION

2012-06-29

## DDI DOCUMENT VERSION

version1.00 (June,2012)

## DDI DOCUMENT ID

DDI-IND-CSO-ASI-SUMMARY-90-91

# Sampling

## Sampling Procedure

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### Sampling Procedure

The sampling design followed in ASI 1990-91 is a circular systematic one. All the factories in the updated frame (universe) are divided into two sectors, viz., Census and Sample.

Census Sector: Census Sector is defined as follows:

- a) All industrial units belonging to the 12 less industrially developed states/ UT's viz. Manipur, Meghalaya, Nagaland, Tripura, Sikkim and Andaman & Nicobar Islands etc.
- b) For the rest of the states/ UT's., (i) units having 100 or more workers irrespective of their operation with or without power and all electricity undertakings and (ii) all factories covered under Joint Returns.
- c) After excluding the Census Sector units as defined above, all units belonging to the strata (State by 4-digit of NIC-04) having less than or equal to 4 units are also considered as Census Sector units.

Remaining units, excluding those of Census Sector, called the sample sector, are covered on sampling basis through an efficient sampling design adopting State X 3 digit industry group as stratum so as to cover all the units in a span of three years. In any stratum, if the number of units was less than 20, then the entire stratum was enumerated completely along with census factories. In any stratum if the units is between 21 and 60, a minimum sample of size 20 was selected by Circular Systematic Sampling. For all other units a uniform sampling fraction of 1/3 was adopted.

## Deviations from Sample Design

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There was no deviation from sample design in ASI 1990-91

## Weighting

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Please note that an inflation factor (Multiplier) WGT is available for each unit against records belonging for ASI Summary 1990-91 data. The multiplier is calculated for each stratum (i.e. State X NIC-04 (4 Digit) after adjusting for non-response cases.

# Questionnaires

## Overview

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Annual Survey of Industries 1990-91 Questionnaire is divided into different blocks : (However only Summarised data is available for processing and analysis). The Summary Results are based on the information provided in the Summary block of ASI survey schedule. Therefore, there is only one data file in ASI Summary 1994-95

BLOCK 1-Identification Particulars

Block 2-Classificatory characteristics

Block 3-Particulars of field operation

Block 4-Schedule of fixed assets

Block 4A - Details of Plant and Machinery

Block 5 - Schedule of Working Capital and Loans

Block 6 - Working days and shifts

Block 7 - Employment

BLOCK 8-Labour Cost (including for contract labour)

Block 9 - Fuels, electricity and water consumed (excl. intermediate products)

Block 10-Other expenditure

Block 11 - Other Output/Receipts

Block 12 - Electricity

Block 13-Materials consumed (excluding intermediate products) during the accounting year

Block 13-A-Quantity and value of indigenous and imported industrial components, accessories and imported raw materials consumed during the accounting year

Block 13-A- Continued : Quantity and value of indigenous and imported industrial components, accessories and imported raw materials consumed during the accounting year

Block 14 - Products and by-products including fixed assets (excluding intermediate products) manufactured and sold during the year .....

Block 14 A - details of distributive expenses on sale during the accounting year

Block 15-Identification and summary information

## Data Collection

### Data Collection Dates

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Start	End	Cycle
1991-07-01	1992-06-30	N/A

### Data Collection Mode

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Statutory return submitted by factories as well as Face to face

### Data Collection Notes

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ASI Schedule has two parts: Part-I and Part-II. Part-I of ASI schedule aims to collect data on assets and liabilities, employment and labour cost, receipts, expenses, input items - indigenous and imported, products and by-products, distributive expenses etc. Part-II of ASI schedule aims to collect data on different aspects of labour statistics, namely, working days, mandays worked, absenteeism, labour turnover, man-hours worked, earning and social security benefits.

General Remarks regarding filling up of ASI schedules

The ASI work involves a number of stages. There are some general procedural aspects.

A separate return for each registered factory/electricity supply undertaking should be submitted as a rule. In following this, the aspects to be taken note of are:

Unless ownership has changed during the reference year, only one return is to be compiled for one factory.

If a part of a registered factory has been operated by the owner and another part by the occupier the total manufacturing activities of both the owner and the occupier should be duly recorded in one return.

If the factory as a whole has been rented out, the return for the factory may be filled from the occupier's point of view.

If for a factory, which is served with notice, is found that its products are meant for training of inmates and has no sale value and are produced as a product during training, the facts may be reported to the Statistics Authority and data need not be collected. This is normally applicable to Training Centers and Jails which are registered as factories. Further, workshop in jails registered under factories Act should be canvassed for ASI only when the products of the workshop are meant for sale. In case the products are not sold but are incidental to training to the convicts engaged at the workshop, such a workshop is outside the purviews of ASI.

Submission of Joint Returns

Although, as per rules for such registered unit of inquiry a separate return should be furnished, in special circumstances, where the accounts of two or more registered units cannot be bifurcated factory wise a joint return may be accepted in a particular ASI if all the following conditions are fulfilled:

They are located in the same State.

They belong to the Census Scheme i.e. 100 or more workers only.

They belong to the same industry at the ultimate NIC code level.

There will be no joint return in sample sector. Also there will be no joint return with Census and Sample. In such cases appropriate apportionments should be done to avoid any complications in estimation different parameters. In census sector also appropriate apportionments should be made if some changes occur in joint returns.

### Questionnaires

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Annual Survey of Industries 1990-91 Questionnaire is divided into different blocks : (However only Summarised data is available for processing and analysis). The Summary Results are based on the information provided in the Summary block of ASI survey schedule. Therefore, there is only one data file in ASI Summary 1994-95

BLOCK 1-Identification Particulars

Block 2-Classificatory characteristics

Block 3-Particulars of field operation

Block 4-Schedule of fixed assets

- Block 4A - Details of Plant and Machinery  
 Block 5 - Schedule of Working Capital and Loans  
 Block 6 - Working days and shifts  
 Block 7 - Employment  
 BLOCK 8-Labour Cost (including for contract labour)  
 Block 9 - Fuels, electricity and water consumed (excl. intermediate products)  
 Block 10-Other expenditure  
 Block 11 - Other Output/Receipts  
 Block 12 - Electricity  
 Block 13-Materials consumed (excluding intermediate products) during the accounting year  
 Block 13-A-Quantity and value of indigenous and imported industrial components, accessories and imported raw materials consumed during the accounting year  
 Block 13-A- Continued : Quantity and value of indigenous and imported industrial components, accessories and imported raw materials consumed during the accounting year  
 Block 14 - Products and by-products including fixed assets (excluding intermediate products) manufactured and sold during the year .....
- Block 14 A - details of distributive expenses on sale during the accounting year
- Block 15-Identification and summary information

## Data Collectors

Name	Abbreviation	Affiliation
NSSO(Field Operation Division)	NSSO(FOD)	Ministry of Statistics and Programme Implementation

## Supervision

NSSO under the Ministry of Statistics and PI, Government of India is responsible for supervision of data collection.

## Data Processing

### Data Editing

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Pre-data entry scrutiny was carried out on the schedules for inter and intra block consistency checks. Such editing was mostly manual, although some editing was automatic. But, for major inconsistencies, the schedules were referred back to NSSO (FOD) for clarifications/modifications.

Code list, State code list, NIC 70, NIC 87, Concordance Table and ASICC code may be referred in the External Resources which are used for editing and data processing as well..

### Other Processing

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After pre-data entry scrutiny, all the scrutinised schedules were entered by manual typing through data entry software which was prepared in house. CSO has full fledged Data Processing Centre with technical staff to take up all the processing activities. After data entry, verification of the schedules was also done programmatically. After all kinds of coverage checks and verification, logical validation was done and then the SUMMARISED Data was created for the purpose of tabulation.

The results of ASI are produced in the form of two volumes. Apart from the main reports on the Summary Results, a second report entitled Supplement to ASI : Summary Results for Factory Sector by State X Industry furnished data at state bt 3 - Digit levels. It contains state-wise information at 3-Digit level unlike the Summary Results, which gives only at 2-Digit level.

## Data Appraisal

### **Estimates of Sampling Error**

Relative Standard Error (RSE) is calculated in terms of worker, wages to worker and GVA using the formula. Programs developed in Visual Foxpro are used to compute the RSE of estimates.

### **Other forms of Data Appraisal**

To check for consistency and reliability of data the same are compared with the NIC-2digit level growth rate at all India Index of Production (IIP) and the growth rates obtained from the National Accounts Statistics at current and constant prices for the registered manufacturing sector.

## File Description

# Variable List

## ASI\_Summary\_90\_91

Content	ASI SUMMARY 1990-91 :Summarised data is available only for processing and analysis). The Summary Results are based on the information provided in the Summary block of ASI survey schedule. Therefore, there is only one data file in ASI Summary 1990-91. Following are few important fields in the data set: Ownership Code ,Organisation Code, Management Code, Scheme Code, Serial No. as given in Schedules Permanent Serial No. ,Location Code, Area Code, Year of Initial Production, Open-Close Code, Power Code Ancillary Code, Multiplier, No. of Factories, Fixed Capital, Total Rent, Gross Value of Plant & Machinery Total Inventory, Working Capital, Outstanding Loans, Mandays Employees, Workers ( Nos.) Total Persons Engaged, Wages to Workers, Salaries to Employees, Bonus to Employees Addition due to Revaluation, Total value of Benefits, Fuels Consumed, Material Consumed Other Expenditure, Total Input, Interest, Receipts from Services rendered to others Other Output/receipts, Total Output, Depreciation, Value Added, Stock Of Materials fuels Stores etc. Stock Of Semi-Finished Goods, Stock Of Finished Goods, Increase in Stock of Finished Goods Labour Cost, Contribution to Provident & Other Funds, Workmen and Staff Welfare Expenses Invested Capital, Wages to Workers (Including Bonus to Workers), Total Emoluments Other Input, Net Income, Value of addition to Fixed Capital, Variation in Stock of Semi-Finished Goods Profits, Gross Fixed Capital, Quantity of Electricity consumed, Productive Capital Own Construction, Gross Sale value, Quantity of Electricity Purchased, Distributive Expenses Value of Electricity Sold, Quantity of Electricity Produced (K.W.H.) Quantity of Electricity Sold (K.W.H.), Quantity of Electricity Consumed (K.W.H.) etc. Data variable names are Itm<no.> and no. corresponds to Serial Number in the record layout. Unwanted fields have been deleted from the metadata.
Cases	51608
Variable(s)	95
Structure	Type: Keys: ()
Version	
Producer	CSO(IS Wing)
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1	State	State Code	discrete	numeric	State Code
V2	RS_No	Running Serial No	contin	numeric	Running Serial No
V3	Itm5	NIC-87(1) Original NIC87	contin	numeric	NIC-87(1) Original NIC-87
V4	Itm6	NIC-87(2) as per Merger Plan AI X 2 Digit	contin	numeric	NIC-87(2) as per Merger Plan AI X 2 Digit
V5	Itm7	NIC-87(2) as per Merger Plan AI X 3 Digit	contin	numeric	NIC-87(2) as per Merger Plan AI X 3 Digit
V6	Itm8	NIC-87(2) as per Merger Plan ST X Ind(2) Digit	contin	numeric	NIC-87(2) as per Merger Plan ST X Ind(2) Digit
V7	Itm9	NIC-87(2) as per Merger Plan ST X Ind(3) Digit	contin	numeric	-87(2) as per Merger Plan ST X Ind(3) Digit
V8	Itm12	Year of Survey	discrete	numeric	Year of Survey
V9	Itm13	NIC-87(9) Frame Industry	contin	numeric	NIC-87(9) Frame Industry code of Sample - 1
V11	Itm15	Region Code	contin	numeric	Region Code
V12	Itm16	Ownership Code	discrete	numeric	Type of ownership (code)
V13	Itm17	Organisation Code	discrete	numeric	Type of Organisation (code)
V14	Itm18	Management Code	discrete	numeric	Scheme Code
V15	Itm19	Scheme Code	discrete	numeric	Type of management (code)
V17	Itm21	Block Code	contin	numeric	Block Code

ID	Name	Label	Type	Format	Question
V16	Itm20	District Code	contin	numeric	District Code
V18	Itm22	Serial No. as given in Schedules	contin	numeric	Serial No. as given in Schedules
V19	Itm23	Permanent Serial No	contin	numeric	Permanent Serial No
V20	Itm24	Location Code	discrete	numeric	Location Code
V21	Itm25	Area Code	discrete	numeric	Location Code
V22	Itm26	Year of Initial Production	contin	numeric	Year of Initial Production
V23	Itm27	Year of Initial Production Code	discrete	numeric	Year of Initial Production Code
V24	Itm28	Open-Close Code	discrete	numeric	Whether Opened/Closed
V25	Itm29	Power Code	discrete	numeric	Type of power used (code)
V30	Itm33a	Ancillary Code	discrete	numeric	Ancillary Code
V31	WGT	Multiplier	contin	numeric	Multiplier Factor
V32	Itm35	No. of Factories	contin	numeric	No. of Factories
V33	Itm37	Registered Units	contin	numeric	Registered Units
V34	Itm38	Fixed Capital ( Opening )	contin	numeric	Fixed Capital ( Opening )
V35	Itm39	Fixed Capital ( Closing )	contin	numeric	Fixed Capital ( Closing )
V36	Itm41	Total Rent	contin	numeric	Total Rent
V37	Itm42	Gross Value of Plant & Machinery	contin	numeric	Gross Value of Plant & Machinery
V38	Itm43	Total Inventory ( Opening )	contin	numeric	Total Inventory ( Opening )
V39	Itm44	Total Inventory ( Closing )	contin	numeric	Total Inventory ( Closing )
V40	Itm45	Working Capital ( Opening )	contin	numeric	Working Capital ( Opening )
V41	Itm46	Working Capital ( Closing )	contin	numeric	Working Capital ( Closing )
V42	Itm47	Outstanding Loans ( Opening )	contin	numeric	Outstanding Loans ( Opening )
V43	Itm48	Outstanding Loans ( Closing )	contin	numeric	Outstanding Loans ( Closing )
V44	Itm49	Mandays Employees	contin	numeric	Mandays Employees
V45	Itm50	Workers ( Nos.)	contin	numeric	Workers ( Nos.)
V46	Itm51	Total Persons Engaged	contin	numeric	Total Persons Engaged
V47	Itm52	Wages to Workers	contin	numeric	Wages to Workers
V48	Itm53	Salaries to Employees	contin	numeric	Salaries to Employees
V49	Itm54	Bonus to Employees	contin	numeric	Bonus to Employees
V50	Itm55	Addition due to Revaluation	contin	numeric	Addition due to Revaluation
V51	Itm56	Total value of Benefits	contin	numeric	Total value of Benefits
V52	Itm57	Fuels Consumed	contin	numeric	Fuels Consumed
V53	Itm58	Material Consumed	contin	numeric	Material Consumed
V54	Itm59	Other Expenditure	contin	numeric	Other Expenditure
V55	Itm61	Total Input	contin	numeric	Total Input
V56	Itm62	Interest	contin	numeric	Interest
V57	Itm63	Receipts from Services rendered to others	contin	numeric	Receipts from Services rendered to others

ID	Name	Label	Type	Format	Question
V58	Itm64	Product	contin	numeric	Product
V59	Itm65	Other Output/receipts	contin	numeric	Other Output/receipts
V60	Itm66	Total Output	contin	numeric	Total Output
V61	Itm67	Depreciation	contin	numeric	Depreciation
V62	Itm68	Value Added	contin	numeric	Value Added
V63	Itm69	Stock Of Material fuels, Stores etc. (Opening)	contin	numeric	Stock Of Material fuels Stores etc. (Opening)
V64	Itm70	Stock Of Materials fuels, Stores etc. (Closing)	contin	numeric	Stock Of Materials fuels Stores etc. (Closing)
V65	Itm71	Stock Of Semi-Finished Goods (Opening)	contin	numeric	Stock Of Semi-Finished Goods (Opening)
V66	Itm72	Stock Of Semi-Finished Goods (Closing)	contin	numeric	Stock Of Semi-Finished Goods (Closing)
V67	Itm73	Stock Of Finished Goods (Opening)	contin	numeric	Stock Of Finished Goods (Opening)
V68	Itm74	Stock Of Finished Goods (Closing)	contin	numeric	Stock Of Finished Goods (Closing)
V69	Itm75	Increase in Stock of Finished Goods	contin	numeric	Increase in Stock of Finished Goods
V70	Itm76	All Workers Mandays	contin	numeric	All Workers Mandays
V71	Itm77	Bonus Paid to Workers	contin	numeric	Bonus Paid to Workers
V72	Itm78	All Employees ( Nos. )	contin	numeric	All Employees ( Nos. )
V73	Itm80	Labour Cost	contin	numeric	Labour Cost
V74	Itm81	Contribution to Provident & Other Funds	contin	numeric	Contribution to Provident & Other Funds
V75	Itm82	Sub-Total	contin	numeric	Sub-Total
V76	Itm84	Workmen and Staff Welfare Expenses	contin	numeric	Workmen and Staff Welfare Expenses
V77	Itm86	Invested Capital	contin	numeric	Invested Capital
V78	Itm87	Wages to Workers (Including Bonus to Workers)	contin	numeric	Wages to Workers (Including Bonus to Workers)
V79	Itm88	Total Emoluments	contin	numeric	Total Emoluments
V80	Itm89	Other Input	contin	numeric	Other Input
V81	Itm90	Net Income	contin	numeric	Net Income
V82	Itm91	Value of addition to Fixed Capital	contin	numeric	Value of addition to Fixed Capital
V83	Itm92	Variation in Stock of Semi-Finished Goods	contin	numeric	Variation in Stock of Semi-Finished Goods
V84	Itm93	Profits	contin	numeric	Profits
V85	Itm94	Gross Fixed Capital	contin	numeric	Gross Fixed Capital
V86	Itm95	Addition in Stock of Materials	contin	numeric	Addition in Stock of Materials
V87	Itm96	Addition in Stock of Materials (Semi-Finished Goods)	contin	numeric	Addition in Stock of Materials (Semi-Finished Goods)
V88	Itm97	Addition in Stock of Finished Goods	contin	numeric	Addition in Stock of Finished Goods
V89	Itm98	Gross Capital Formation	contin	numeric	Gross Capital Formation
V90	Itm99	Quantity of Electricity consumed	contin	numeric	Quantity of Electricity consumed
V91	Itm100	Productive Capital	contin	numeric	Productive Capital
V92	Itm101	Own Construction	contin	numeric	Own Construction
V93	Itm102	Gross Sale value	contin	numeric	Gross Sale value

<b>ID</b>	<b>Name</b>	<b>Label</b>	<b>Type</b>	<b>Format</b>	<b>Question</b>
V94	Itm103	Quantity of Electricity Purchased	contin	numeric	Quantity of Electricity Purchased
V95	Itm104	Distributive Expenses	contin	numeric	Distributive Expenses
V96	Itm105	Value of Electricity Sold	contin	numeric	Value of Electricity Sold
V97	Itm106	Quantity of Electricity Produced (K.W.H.)	contin	numeric	Quantity of Electricity Produced (K.W.H.)
V98	Itm107	Quantity of Electricity Sold (K.W.H.)	contin	numeric	Quantity of Electricity Sold (K.W.H.)
V99	Itm108	Quantity of Electricity Consumed (K.W.H.)	contin	numeric	Quantity of Electricity Consumed (K.W.H.)
V100	Itm109	Code ( if required is taken into account)	contin	numeric	



## State Code (State)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 2	Minimum: 2
Decimals: 0	Maximum: 33
Range: 2-33	

#### Literal question

State Code

## Running Serial No (RS\_No)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 5	Minimum: 1
Decimals: 0	Maximum: 28709
Range: 1-86286	Mean: 5376.4
	Standard deviation: 7221.3

#### Literal question

Running Serial No

## NIC-87(1) Original NIC87 (Itm5)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 4	Minimum: 2001
Decimals: 0	Maximum: 9790
Range: 2001-9918	Mean: 3108.8
	Standard deviation: 1199.1

#### Literal question

NIC-87(1) Original NIC-87

## NIC-87(2) as per Merger Plan AI X 2 Digit (Itm6)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 4	Minimum: 2001
Decimals: 0	Maximum: 9790
Range: 2001-9918	Mean: 3108.8
	Standard deviation: 1199.1

#### Literal question

NIC-87(2) as per Merger Plan AI X 2 Digit

## NIC-87(2) as per Merger Plan AI X 3 Digit (Itm7)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 4	Minimum: 2001
Decimals: 0	Maximum: 9790
Range: 2001-9918	Mean: 3108.8
	Standard deviation: 1199.1

**Literal question**

NIC-87(2) as per Merger Plan AI X 3 Digit

## NIC-87(2) as per Merger Plan ST X Ind(2) Digit (Itm8)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 4	Minimum: 2001
Decimals: 0	Maximum: 9790
Range: 2001-9918	Mean: 3108.8
	Standard deviation: 1199.1

**Literal question**

NIC-87(2) as per Merger Plan ST X Ind(2) Digit

## NIC-87(2) as per Merger Plan ST X Ind(3) Digit (Itm9)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 4	Minimum: 2001
Decimals: 0	Maximum: 9790
Range: 2001-9918	Mean: 3108.8
	Standard deviation: 1199.1

**Literal question**

-87(2) as per Merger Plan ST X Ind(3) Digit

## Year of Survey (Itm12)

File: ASI\_Summary\_90\_91

**Overview**

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: 9091-9495	

**Literal question**

Year of Survey

## NIC-87(9) Frame Industry (Itm13)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 4	Minimum: 2001
Decimals: 0	Maximum: 9790
Range: 0-9878	Mean: 3109.7
	Standard deviation: 1200.6

### Literal question

NIC-87(9) Frame Industry code of Sample - 1

## Region Code (Itm15)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 4	Minimum: 0
Decimals: 0	Maximum: 991
Range: 2-2621	Mean: 137.5
	Standard deviation: 76.8

### Literal question

Region Code

## Ownership Code (Itm16)

File: ASI\_Summary\_90\_91

### Overview

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 7
Range: 1-9	Mean: 5.7

### Literal question

Type of ownership (code)

## Organisation Code (Itm17)

File: ASI\_Summary\_90\_91

### Overview

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 9
Range: 1-9	Mean: 3.4

### Literal question

Type of Organisation (code)

## Management Code (Itm18)

File: ASI\_Summary\_90\_91

**Overview**

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 9
Range: 1-9	Mean: 2.9

**Literal question**

Scheme Code

## Scheme Code (Itm19)

File: ASI\_Summary\_90\_91

**Overview**

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-9	

**Literal question**

Type of management (code)

## Block Code (Itm21)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 2	Minimum: 0
Decimals: 0	Maximum: 0
Range: 0-99	Mean: 0
	Standard deviation: 0

**Literal question**

Block Code

## District Code (Itm20)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-63	Mean: 11.4
	Standard deviation: 10.9

**Literal question**

District Code

## Serial No. as given in Schedules (Itm22)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 5	Minimum: 1
Decimals: 0	Maximum: 99821
Range: 100-90457	Mean: 11631.7
	Standard deviation: 2879.2

**Literal question**

Serial No. as given in Schedules

## Permanent Serial No (Itm23)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 5	Minimum: 0
Decimals: 0	Maximum: 90508
Range: 0-99212	Mean: 11743.2
	Standard deviation: 5005

**Literal question**

Permanent Serial No

**Interviewer instructions**

This number is provided by FOD offices while collecting the list from CIF and duly numbered list send to CSO (IS Wing), Kolkata for updation of frame. This number is unique in State X NIC X Sector. Number has been provided for all the selected factories both under Census Sector and the Sample Sector and the same is to be reported by the field staff of FOD both in Parts I & II. These items will be copied from the sample list.

## Location Code (Itm24)

File: ASI\_Summary\_90\_91

**Overview**

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 9
Range: 1-9	Mean: 1.8

**Literal question**

Location Code

## Area Code (Itm25)

File: ASI\_Summary\_90\_91

**Overview**

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 1	Minimum: 0
Decimals: 0	Maximum: 2
Range: 1-9	Mean: 1.7

**Literal question**

Location Code

## Year of Initial Production (Itm26)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 4	Minimum: 0
Decimals: 0	Maximum: 1992
Range: 0-9923	Mean: 1972.9
	Standard deviation: 44.7

**Literal question**

Year of Initial Production

## Year of Initial Production Code (Itm27)

File: ASI\_Summary\_90\_91

**Overview**

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-6	

**Literal question**

Year of Initial Production Code

## Open-Close Code (Itm28)

File: ASI\_Summary\_90\_91

**Overview**

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 1	Minimum: 0
Decimals: 0	Maximum: 9
Range: 0-9	Mean: 0.1

**Literal question**

Whether Opened/Closed

## Power Code (Itm29)

File: ASI\_Summary\_90\_91

**Overview**

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-9	

**Literal question**

Type of power used (code)

## Ancillary Code (Itm33a)

File: ASI\_Summary\_90\_91

## Ancillary Code (Itm33a)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Discrete	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 1	Minimum: 9
Decimals: 0	Maximum: 9
Range: 0-9	Mean: 9

#### Literal question

Ancillary Code

## Multiplier (WGT)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 4	Minimum: 1
Decimals: 2	Maximum: 3
Range: 1-3	Mean: 2
	Standard deviation: 1

#### Literal question

Multiplier Factor

## No. of Factories (Itm35)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 3	Minimum: 1
Decimals: 0	Maximum: 811
Range: 1-843	Mean: 1.2
	Standard deviation: 7.3

#### Literal question

No. of Factories

## Registered Units (Itm37)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 13	Minimum: 0
Decimals: 0	Maximum: 76
Range: -6-6000000000000	Mean: 7.8
	Standard deviation: 5.5

#### Literal question

Registered Units

## Fixed Capital ( Opening ) (Itm38)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 12	Minimum: 0
Decimals: 0	Maximum: 63197009000
Range: 0-105917496862	Mean: 21941449.7
	Standard deviation: 624280256.4

### Description

FIXED CAPITAL represents the depreciated value of fixed assets owned by the factory as on the closing day of the accounting year. Fixed assets are those that have a normal productive life of more than one year. Fixed capital includes land including lease- hold land, buildings, plant and machinery, furniture and fixtures, transport equipment, water system and roadways and other fixed assets such as hospitals, schools etc. used for the benefit of factory personnel.

### Literal question

Fixed Capital ( Opening )

## Fixed Capital ( Closing ) (Itm39)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 12	Minimum: 0
Decimals: 0	Maximum: 70184855000
Range: 0-112195782060	Mean: 24638853.9
	Standard deviation: 713052354

### Description

FIXED CAPITAL represents the depreciated value of fixed assets owned by the factory as on the closing day of the accounting year. Fixed assets are those that have a normal productive life of more than one year. Fixed capital includes land including lease- hold land, buildings, plant and machinery, furniture and fixtures, transport equipment, water system and roadways and other fixed assets such as hospitals, schools etc. used for the benefit of factory personnel.

### Literal question

Fixed Capital ( Closing )

## Total Rent (Itm41)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 9	Minimum: -6106801
Decimals: 0	Maximum: 548561271
Range: -12819981-906131872	Mean: 143150.2
	Standard deviation: 2942823.9

### Literal question

Total Rent

## Gross Value of Plant & Machinery (Itm42)

File: ASI\_Summary\_90\_91

### Overview

## Gross Value of Plant & Machinery (Itm42)

### File: ASI\_Summary\_90\_91

Type: Continuous  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 0-350700239510

Valid cases: 51608  
 Invalid: 0  
 Minimum: 0  
 Maximum: 89189481407  
 Mean: 24364742.8  
 Standard deviation: 608163625

#### Description

GROSS VALUE OF PLANT OF MACHINERY represents the total original (undepreciated) value of installed plant and machinery at the end of the accounting year. It includes the book value of the newly installed plants and machinery and the approximate value of rented in plants and machinery at the time of renting-in but excludes the value of rented-out plants and machinery. Total value of all the plants and machinery acquired on hire - purchase basis is also included.

#### Literal question

Gross Value of Plant & Machinery

## Total Inventory ( Opening ) (Itm43)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous  
 Format: numeric  
 Width: 11  
 Decimals: 0  
 Range: 0-18473277000

Valid cases: 51608  
 Invalid: 0  
 Minimum: 0  
 Maximum: 8821400000  
 Mean: 9104664.6  
 Standard deviation: 90984917

#### Literal question

Total Inventory ( Opening )

## Total Inventory ( Closing ) (Itm44)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous  
 Format: numeric  
 Width: 11  
 Decimals: 0  
 Range: -5561433-15613888000

Valid cases: 51608  
 Invalid: 0  
 Minimum: -163247744  
 Maximum: 9308400000  
 Mean: 10446453.6  
 Standard deviation: 97446562.6

#### Literal question

Total Inventory ( Closing )

## Working Capital ( Opening ) (Itm45)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: -35583630669-21142146134

Valid cases: 51608  
 Invalid: 0  
 Minimum: -7108871068  
 Maximum: 37044240000  
 Mean: 6366747.5  
 Standard deviation: 199657578

#### Description

## Working Capital ( Opening ) (Itm45)

### File: ASI\_Summary\_90\_91

WORKING CAPITAL is the sum total of the physical working capital as already defined above and the cash deposits in hand and at bank and the net balance receivable over amounts payable at the end of the accounting year. Working capital, however, excludes unused overdraft facility, fixed deposits irrespective of duration, advances for acquisition of fixed assets, loans and advances by proprietors and partners irrespective of their purpose and duration, long-term loans including interest thereon and investments.

#### Literal question

Working Capital ( Opening )

## Working Capital ( Closing ) (Itm46)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous  
Format: numeric  
Width: 12  
Decimals: 0  
Range: -21041893000-24119667675

Valid cases: 51608  
Invalid: 0  
Minimum: -8897804278  
Maximum: 39739340000  
Mean: 7378233.8  
Standard deviation: 224471397.1

#### Description

WORKING CAPITAL is the sum total of the physical working capital as already defined above and the cash deposits in hand and at bank and the net balance receivable over amounts payable at the end of the accounting year. Working capital, however, excludes unused overdraft facility, fixed deposits irrespective of duration, advances for acquisition of fixed assets, loans and advances by proprietors and partners irrespective of their purpose and duration, long-term loans including interest thereon and investments.

#### Literal question

Working Capital ( Closing )

## Outstanding Loans ( Opening ) (Itm47)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous  
Format: numeric  
Width: 12  
Decimals: 0  
Range: -9449121-108574980866

Valid cases: 51608  
Invalid: 0  
Minimum: -9234510  
Maximum: 60310758939  
Mean: 16374743.9  
Standard deviation: 479335477.2

#### Description

OUTSTANDING LOANS represent all loans whether short term or long term, whether interest bearing or not, outstanding according to the books of the factory as on the closing day of the accounting year.

#### Literal question

Outstanding Loans ( Opening )

#### Interviewer instructions

Opening Outstanding loans to be filled.

## Outstanding Loans ( Closing ) (Itm48)

### File: ASI\_Summary\_90\_91

#### Overview

## Outstanding Loans ( Closing ) (Itm48)

### File: ASI\_Summary\_90\_91

Type: Continuous  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: -52664239-116778956583

Valid cases: 51608  
 Invalid: 0  
 Minimum: 0  
 Maximum: 69719978430  
 Mean: 19013737.1  
 Standard deviation: 593743703.3

#### Description

OUTSTANDING LOANS represent all loans whether short term or long term, whether interest bearing or not, outstanding according to the books of the factory as on the closing day of the accounting year.

#### Literal question

Outstanding Loans ( Closing )

#### Interviewer instructions

Closing Outstanding loans to be filled.

## Mandays Employees (Itm49)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous  
 Format: numeric  
 Width: 8  
 Decimals: 0  
 Range: 0-55633813

Valid cases: 51608  
 Invalid: 0  
 Minimum: 0  
 Maximum: 36665345  
 Mean: 41691  
 Standard deviation: 426098.3

#### Description

EMPLOYEES include all workers defined above and persons receiving wages and holding supervisory or managerial positions engaged in administrative office, store keeping section and welfare section, sales department as also those engaged in purchase of raw materials etc. or purchase of fixed assets for the factory and watch and ward staff.

MANDAYS represent the total number of days worked and the number of days paid for during the accounting year .It is obtained by summing-up the number of persons of specified categories attending in each shift over all the shifts worked on all days.

#### Literal question

Mandays Employees

## Workers ( Nos.) (Itm50)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous  
 Format: numeric  
 Width: 6  
 Decimals: 0  
 Range: 0-133974

Valid cases: 51608  
 Invalid: 0  
 Minimum: 0  
 Maximum: 87699  
 Mean: 100.7  
 Standard deviation: 860.8

#### Description

WORKERS are defined to include all persons employed directly or through any agency whether for wages or not and engaged in any manufacturing process or in cleaning any part of the machinery or premises used for manufacturing process or in any other kind of work incidental to or connected with the manufacturing process or the subject of the manufacturing process. Labour engaged in the repair and maintenance or production of fixed assets for factory's own use or labour employed for generating electricity or producing coal, gas etc. are included.

#### Literal question

Workers ( Nos.)

## Total Persons Engaged (Itm51)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 6	Minimum: 0
Decimals: 0	Maximum: 100453
Range: 0-152421	Mean: 132.1
	Standard deviation: 1190.4

### Description

TOTAL PERSONS ENGAGED include the employees as defined above and all working proprietors and their family members who are actively engaged in the work of the factory even without any pay and the unpaid members of the co-operative societies who worked in or for the factory in any direct and productive capacity.

The number of workers or employees is an average number obtained by dividing mandays worked by the number of days the factory had worked during the reference year.

### Literal question

Total Persons Engaged

## Wages to Workers (Itm52)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 2947551290
Range: 0-4658037891	Mean: 2125775.1
	Standard deviation: 26351562.6

### Description

WAGES AND SALARIES are defined to include all remuneration in monetary terms and also payable more or less regularly in each pay period to workers as compensation for work done during the accounting year. It includes (a) direct wages and salary (i.e., basic wages/salaries, payment of overtime, dearness, compensatory, house rent and other allowances) (b) remuneration for the period not worked (i.e., basic wages, salaries and allowances payable for leave period, paid holiday, lay-off payments and compensation for unemployment, if not paid from sources other than employers) (c) bonus and ex-gratia payment paid both at regular and less frequent intervals (i.e., incentive bonuses, productive bonuses, profit sharing bonuses, festival or year-end bonuses etc.) It excludes lay off payments which are made from trust or other special funds set up exclusively for this purpose i.e., payments not made by the employer. It also excludes imputed value of benefits in kind, employer's contribution to old age benefits and other social security charges, direct expenditure on maternity benefits creches and other group benefits Travelling and other expenditure incurred for business purposes and reimbursed by the employer are excluded. The wages are expressed in terms of gross value i.e., before deduction for fines, damages, taxes, provident fund, employee's state insurance contribution etc.

### Literal question

Wages to Workers

## Salaries to Employees (Itm53)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 4186563488
Range: 0-6382433400	Mean: 3351293.8
	Standard deviation: 43230736.5

### Description

## Salaries to Employees (Itm53)

### File: ASI\_Summary\_90\_91

WAGES AND SALARIES are defined to include all remuneration in monetary terms and also payable more or less regularly in each pay period to workers as compensation for work done during the accounting year. It includes (a) direct wages and salary (i.e., basic wages/salaries, payment of overtime, dearness, compensatory, house rent and other allowances) (b) remuneration for the period not worked (i.e., basic wages, salaries and allowances payable for leave period, paid holiday, lay-off payments and compensation for unemployment, if not paid from sources other than employers) (c) bonus and ex-gratia payment paid both at regular and less frequent intervals (i.e., incentive bonuses, productive bonuses, profit sharing bonuses, festival or year-end bonuses etc.) It excludes lay off payments which are made from trust or other special funds set up exclusively for this purpose i.e., payments not made by the employer. It also excludes imputed value of benefits in kind, employer's contribution to old age benefits and other social security charges, direct expenditure on maternity benefits creches and other group benefits Travelling and other expenditure incurred for business purposes and reimbursed by the employer are excluded. The wages are expressed in terms of gross value i.e., before deduction for fines, damages, taxes, provident fund, employee's state insurance contribution etc.

EMPLOYEES include all workers defined above and persons receiving wages and holding supervisory or managerial positions engaged in administrative office, store keeping section and welfare section, sales department as also those engaged in purchase of raw materials etc. or purchase of fixed assets for the factory and watch and ward staff.

#### Literal question

Salaries to Employees

## Bonus to Employees (Itm54)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 258436028
Range: 0-1286460000	Mean: 262887.1
	Standard deviation: 2615682.6

#### Description

bonus and ex-gratia payment paid both at regular and less frequent intervals (i.e., incentive bonuses, productive bonuses, profit sharing bonuses, festival or year-end bonuses etc.)

#### Literal question

Bonus to Employees

## Addition due to Revaluation (Itm55)

### File: ASI\_Summary\_90\_91

#### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 12	Minimum: 0
Decimals: 0	Maximum: 0
Range: -111792205-836919260000	Mean: 0
	Standard deviation: 0

#### Literal question

Addition due to Revaluation

## Total value of Benefits (Itm56)

### File: ASI\_Summary\_90\_91

#### Overview

## Total value of Benefits (Itm56)

File: ASI\_Summary\_90\_91

Type: Continuous  
Format: numeric  
Width: 10  
Decimals: 0  
Range: -2250498-1384685671

Valid cases: 51608  
Invalid: 0  
Minimum: 0  
Maximum: 813966466  
Mean: 676665.8  
Standard deviation: 8152769.7

### Literal question

Total value of Benefits

## Fuels Consumed (Itm57)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: 0-18794180501

Valid cases: 51608  
Invalid: 0  
Minimum: 0  
Maximum: 9581594870  
Mean: 3740870.4  
Standard deviation: 74677918.9

### Description

FUELS CONSUMED represents total purchase value of all items of fuels such as coal, liquified petroleum gas, petrol, diesel, electricity, lubricants, water etc. consumed by the factory during the accounting year but excluding the items which directly enter into the manufacturing process.

### Literal question

Fuels Consumed

## Material Consumed (Itm58)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: 0-31322031839

Valid cases: 51608  
Invalid: 0  
Minimum: 0  
Maximum: 38098469305  
Mean: 27002493.6  
Standard deviation: 294449212.3

### Description

MATERIALS CONSUMED represents the total delivered value of all items of raw materials, components, chemicals, packing materials and stores which actually enter into the production process of the factory during the accounting year. It also includes the cost of all materials used for the construction of building etc. for the factory's own use .It, however, excludes all intermediate products consumed during the accounting year. Intermediate products are those products, which are produced by the factory but are subject to further manufacturing.

### Literal question

Material Consumed

## Other Expenditure (Itm59)

File: ASI\_Summary\_90\_91

### Overview

## Other Expenditure (Itm59)

File: ASI\_Summary\_90\_91

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: 0-4974913471

Valid cases: 51608  
Invalid: 0  
Minimum: 0  
Maximum: 18013700000  
Mean: 3495693.6  
Standard deviation: 85861738.3

### Literal question

Other Expenditure

## Total Input (Itm61)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -2884629-34386600601

Valid cases: 51608  
Invalid: 0  
Minimum: 0  
Maximum: 38391588458  
Mean: 34238801.1  
Standard deviation: 364015758.3

### Description

TOTAL INPUT comprises total value of fuels, materials consumed as well as expenditures such as cost of contract and commission work done by others on materials supplied by the factory, cost of materials consumed for repair and maintenance work done by others to the factory's fixed assets, inward freight and transport charges, rate and taxes (excluding income tax), postage, telephone and telex expenses, insurance charges, banking charges, cost of printing and stationery and purchase value of goods sold in the same condition as purchased. Rent paid and interest paid is not included.

### Literal question

Total Input

## Interest (Itm62)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -8800638-11706092877

Valid cases: 51608  
Invalid: 0  
Minimum: -937903  
Maximum: 6283837348  
Mean: 2633350.5  
Standard deviation: 58370047.7

### Description

interest paid: Include all interest paid on factory account on loans irrespective of duration and nature of agency/party from which loan was taken. Interest paid to partners and proprietors on capital will not be included.

### Literal question

Interest

## Receipts from Services rendered to others (Itm63)

File: ASI\_Summary\_90\_91

### Overview

## Receipts from Services rendered to others (Itm63)

File: ASI\_Summary\_90\_91

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -10512391-15199480100

Valid cases: 51608  
Invalid: 0  
Minimum: -11909360  
Maximum: 10615200000  
Mean: 2379284.4  
Standard deviation: 58153070

### Literal question

Receipts from Services rendered to others

## Product (Itm64)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -471396578-61594854625

Valid cases: 51608  
Invalid: 0  
Minimum: -15947557  
Maximum: 43751827210  
Mean: 42116812.5  
Standard deviation: 448816267.1

### Literal question

Product

## Other Output/receipts (Itm65)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -485435519-23124471352

Valid cases: 51608  
Invalid: 0  
Minimum: -199469364  
Maximum: 10810770000  
Mean: 3301436.9  
Standard deviation: 74975503.9

### Literal question

Other Output/receipts

## Total Output (Itm66)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -467498385-64578946291

Valid cases: 51608  
Invalid: 0  
Minimum: -8068863  
Maximum: 43756095922  
Mean: 44965907.7  
Standard deviation: 481638091

### Description

TOTAL OUTPUT comprises total ex-factory value of products and by-products manufactured as well as other receipts from non industrial services rendered to others, work done for others on material supplied by them, value of electricity produced and sold, sale value of goods sold in the same conditions purchased, addition in stock of semi- finished goods and value of own construction.

### Literal question

Total Output

## Depreciation (Itm67)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: -5127210
Decimals: 0	Maximum: 2406600000
Range: -1124982-6949401203	Mean: 1767304.6
	Standard deviation: 27469233.7

### Description

DEPRECIATION is consumption of fixed capital due to wear and tear and obsolescence during the accounting year and is taken as provided by the factory owner or is estimated on the basis of cost of installation and working life of the fixed assets.

### Literal question

Depreciation

## Value Added (Itm68)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 11	Minimum: -838694159
Decimals: 0	Maximum: 13525734311
Range: -1733867697-23242944487	Mean: 8959802
	Standard deviation: 118743838.6

### Description

NET VALUE ADDED is arrived by deducting total input and depreciation from total output.

### Literal question

Value Added

## Stock Of Material fuels, Stores etc. (Opening) (Itm69)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 5150200000
Range: 0-7085200000	Mean: 5141458.3
	Standard deviation: 61095427.9

### Literal question

Stock Of Material fuels Stores etc. (Opening)

## Stock Of Materials fuels, Stores etc. (Closing) (Itm70)

File: ASI\_Summary\_90\_91

### Overview

## Stock Of Materials fuels, Stores etc. (Closing) (Itm70)

File: ASI\_Summary\_90\_91

Type: Continuous  
Format: numeric  
Width: 10  
Decimals: 0  
Range: 0-7836714445

Valid cases: 51608  
Invalid: 0  
Minimum: 0  
Maximum: 5367400000  
Mean: 5798613.5  
Standard deviation: 64818469.1

### Literal question

Stock Of Materials fuels Stores etc. (Closing)

## Stock Of Semi-Finished Goods (Opening) (Itm71)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 10  
Decimals: 0  
Range: -4630-1680585529

Valid cases: 51608  
Invalid: 0  
Minimum: 0  
Maximum: 1420957362  
Mean: 1278909.3  
Standard deviation: 16101181.5

### Literal question

Stock Of Semi-Finished Goods (Opening)

## Stock Of Semi-Finished Goods (Closing) (Itm72)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 10  
Decimals: 0  
Range: 0-1637075376

Valid cases: 51608  
Invalid: 0  
Minimum: 0  
Maximum: 1721239022  
Mean: 1480697.1  
Standard deviation: 18770140.1

### Literal question

Stock Of Semi-Finished Goods (Closing)

## Stock Of Finished Goods (Opening) (Itm73)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -34000-11388077000

Valid cases: 51608  
Invalid: 0  
Minimum: 0  
Maximum: 2945164000  
Mean: 2661488.4  
Standard deviation: 27460262.7

### Literal question

Stock Of Finished Goods (Opening)

## Stock Of Finished Goods (Closing) (Itm74)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 3019394000
Range: 0-9398313000	Mean: 3179301.4
	Standard deviation: 28710075.8

### Literal question

Stock Of Finished Goods (Closing)

## Increase in Stock of Finished Goods (Itm75)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 12	Minimum: -795504126
Decimals: 0	Maximum: 881341434
Range: -10575530798-1615554000	Mean: 582500.8
	Standard deviation: 10133766.6

### Literal question

Increase in Stock of Finished Goods

## All Workers Mandays (Itm76)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 8	Minimum: -22365
Decimals: 0	Maximum: 32010135
Range: 0-48900510	Mean: 31808.4
	Standard deviation: 305716.9

### Literal question

All Workers Mandays

## Bonus Paid to Workers (Itm77)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 9	Minimum: 0
Decimals: 0	Maximum: 189045954
Range: 0-302230254	Mean: 183268.9
	Standard deviation: 1849395.9

### Literal question

Bonus Paid to Workers

## All Employees ( Nos. ) (Itm78)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 6	Minimum: 0
Decimals: 0	Maximum: 100453
Range: 0-152421	Mean: 131.1
	Standard deviation: 1190.4

**Literal question**

All Employees ( Nos. )

## Labour Cost (Itm80)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 9	Minimum: 0
Decimals: 0	Maximum: 5113320
Range: -16866-777624227	Mean: 4319
	Standard deviation: 53368.4

**Literal question**

Labour Cost

## Contribution to Provident &amp; Other Funds (Itm81)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 754660974
Range: 0-1257100128	Mean: 387350.2
	Standard deviation: 5566484.9

**Literal question**

Contribution to Provident &amp; Other Funds

## Sub-Total (Itm82)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 8	Minimum: 0
Decimals: 0	Maximum: 99979997
Range: 0-99721273	Mean: 15782109.3
	Standard deviation: 19835503.5

**Literal question**

Sub-Total

## Workmen and Staff Welfare Expenses (Itm84)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 299713240
Range: -62707-1032982555	Mean: 288210.2
	Standard deviation: 3439088

### Description

WORKMEN AND STAFF WELFARE EXPENSES include group benefits like direct expenditure on maternity, creches, canteen facilities, educational, cultural recreational facilities, and grants to trade unions, co-operative stores etc. meant for employees.

### Literal question

Workmen and Staff Welfare Expenses

## Invested Capital (Itm86)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 12	Minimum: 0
Decimals: 0	Maximum: 73947978000
Range: -3035709-116743083375	Mean: 35085307.5
	Standard deviation: 774707987.4

### Literal question

Invested Capital

## Wages to Workers (Including Bonus to Workers) (Itm87)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 3054772867
Range: 0-4672421085	Mean: 2309044
	Standard deviation: 27927817.8

### Literal question

Wages to Workers (Including Bonus to Workers)

## Total Emoluments (Itm88)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 4299354189
Range: 0-6526266667	Mean: 3614180.9
	Standard deviation: 45477688.1

### Description

## Total Emoluments (Itm88)

File: ASI\_Summary\_90\_91

TOTAL EMOLUMENTS is defined as the sum of wages and salaries, employers contribution as provident fund and other funds and workmen and staff welfare expenses as defined above.

### Literal question

Total Emoluments

## Other Input (Itm89)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 11	Minimum: 0
Decimals: 0	Maximum: 18013700000
Range: 0-4974913471	Mean: 3495693.6
	Standard deviation: 85861738.3

### Literal question

Other Input

## Net Income (Itm90)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 11	Minimum: -3268172400
Decimals: 0	Maximum: 8874550000
Range: -3352291852-14734719762	Mean: 6183301.3
	Standard deviation: 87400630

### Literal question

Net Income

## Value of addition to Fixed Capital (Itm91)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 11	Minimum: -2669339515
Decimals: 0	Maximum: 1830849597
Range: -2859389000-2737022000	Mean: 1341789
	Standard deviation: 24288499

### Literal question

Value of addition to Fixed Capital

## Variation in Stock of Semi-Finished Goods (Itm92)

File: ASI\_Summary\_90\_91

### Overview

## Variation in Stock of Semi-Finished Goods (Itm92)

File: ASI\_Summary\_90\_91

Type: Continuous  
Format: numeric  
Width: 10  
Decimals: 0  
Range: -515534000-771320000

Valid cases: 51608  
Invalid: 0  
Minimum: -476966981  
Maximum: 637561000  
Mean: 201990.4  
Standard deviation: 6176006.6

### Literal question

Variation in Stock of Semi-Finished Goods

## Profits (Itm93)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -7736719940-13632521063

Valid cases: 51608  
Invalid: 0  
Minimum: -6199254335  
Maximum: 6366323000  
Mean: 1893560  
Standard deviation: 68789959.3

### Literal question

Profits

## Gross Fixed Capital (Itm94)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -4070008000-33435963311

Valid cases: 51608  
Invalid: 0  
Minimum: -952322000  
Maximum: 14528325021  
Mean: 4464708.8  
Standard deviation: 121410482.8

### Literal question

Gross Fixed Capital

## Addition in Stock of Materials (Itm95)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous  
Format: numeric  
Width: 11  
Decimals: 0  
Range: -1312827367-7144671594

Valid cases: 51608  
Invalid: 0  
Minimum: -970958918  
Maximum: 1124708713  
Mean: 657155.2  
Standard deviation: 15213826.5

### Literal question

Addition in Stock of Materials

## Addition in Stock of Materials (Semi-Finished Goods) (Itm96)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: -476966981
Decimals: 0	Maximum: 637561000
Range: -515534000-771320000	Mean: 201787.7
	Standard deviation: 6174078.4

### Literal question

Addition in Stock of Materials (Semi-Finished Goods)

## Addition in Stock of Finished Goods (Itm97)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 11	Minimum: -1026758566
Decimals: 0	Maximum: 465532791
Range: -1989764000-1615554000	Mean: 517813
	Standard deviation: 10337353.1

### Literal question

Addition in Stock of Finished Goods

## Gross Capital Formation (Itm98)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 11	Minimum: -952633054
Decimals: 0	Maximum: 14553601551
Range: -4355459000-33892628992	Mean: 5841464.7
	Standard deviation: 126279599

### Literal question

Gross Capital Formation

## Quantity of Electricity consumed (Itm99)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 12	Minimum: 0
Decimals: 0	Maximum: 299713240
Range: -45137-868800000000	Mean: 288210.2
	Standard deviation: 3439088

### Literal question

Quantity of Electricity consumed

## Productive Capital (Itm100)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 12	Minimum: -1436248089
Decimals: 0	Maximum: 83829326855
Range: -10221739000-133313562398	Mean: 32017087.7
	Standard deviation: 822396032.9

**Literal question**

Productive Capital

## Own Construction (Itm101)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 11	Minimum: -2798806
Decimals: 0	Maximum: 4594373000
Range: -1209143-13075755464	Mean: 250553.9
	Standard deviation: 26300506.4

**Literal question**

Own Construction

## Gross Sale value (Itm102)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 11	Minimum: 0
Decimals: 0	Maximum: 43286294419
Range: 0-61594951025	Mean: 46107481.5
	Standard deviation: 471338735.8

**Literal question**

Gross Sale value

## Quantity of Electricity Purchased (Itm103)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: -2126311
Decimals: 0	Maximum: 2411071334
Range: 0-2748853800	Mean: 1155763.9
	Standard deviation: 18664894.3

**Literal question**

Quantity of Electricity Purchased

## Distributive Expenses (Itm104)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 11	Minimum: 0
Decimals: 0	Maximum: 6301485793
Range: -6861-11553168568	Mean: 4960823.6
	Standard deviation: 69703646.2

**Literal question**

Distributive Expenses

## Value of Electricity Sold (Itm105)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: -1278335
Decimals: 0	Maximum: 421901732
Range: -359520-1050249548	Mean: 25217.9
	Standard deviation: 2354766.9

**Literal question**

Value of Electricity Sold

## Quantity of Electricity Produced (K.W.H.) (Itm106)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1310374105
Range: 0-7746012548	Mean: 312029.8
	Standard deviation: 10844539.3

**Literal question**

Quantity of Electricity Produced (K.W.H.)

## Quantity of Electricity Sold (K.W.H.) (Itm107)

File: ASI\_Summary\_90\_91

**Overview**

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 1186910640
Range: 0-6948589989	Mean: 51620.9
	Standard deviation: 5888797.6

**Literal question**

Quantity of Electricity Sold (K.W.H.)

## Quantity of Electricity Consumed (K.W.H.) (Itm108)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 10	Minimum: -2126311
Decimals: 0	Maximum: 2411071334
Range: -9062342-2748853800	Mean: 1416172.8
	Standard deviation: 21726820.8

### Literal question

Quantity of Electricity Consumed (K.W.H.)

## Code ( if required is taken into account) (Itm109)

File: ASI\_Summary\_90\_91

### Overview

Type: Continuous	Valid cases: 51608
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 96
Range: 1-96	Mean: 11
	Standard deviation: 10.5

# Documentation

## Technical documents

### ASI Summary 1990-91 Record Layout

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Title ASI Summary 1990-91 Record Layout  
Country India  
Language English  
Filename SUM9094M.pdf

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### CONCORDANCE TABLE

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Title CONCORDANCE TABLE  
Country India  
Language English  
Filename CONV7087.pdf

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### ASI Summary 1990-91 Code List

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Title ASI Summary 1990-91 Code List  
Country India  
Language English  
Filename ASI CODES FOR 1988\_1994.pdf

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### ASICC (Item) Code List

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Title ASICC (Item) Code List  
Country India  
Language English  
Filename ASICC code.pdf

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### National Industrial Classification - NIC 87 List

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Title National Industrial Classification - NIC 87 List  
Country India  
Language English  
Filename NIC 87.pdf

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### National Industrial Classification - NIC 70 List

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Title National Industrial Classification - NIC 70 List  
Country India  
Language English  
Filename NIC 70 Final.pdf

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## State Code List

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Title State Code List  
Country India  
Language English  
Filename ASISTATE\_CODES.pdf

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## IHSN Report ASI Summary 1990-91

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Title IHSN Report ASI Summary 1990-91  
Country India  
Language English  
Filename IHSN Report ASI (Summary) 1990-91.pdf

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