

India

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

Annual Survey of Industries Summary 1990-91

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Table of Contents

Overview	1
Scope & Coverage	1
Producers & Sponsors	2
Sampling	2
Data Collection	3
Data Processing & Appraisal	4
Accessibility	5
Rights & Disclaimer	5
Files Description	6
ASI_Summary_90_91	6
Variables List	7
ASI_Summary_90_91	7
Variables Description	11
ASI_Summary_90_91	11
Documentation	26

India (1991-1992) Annual Survey of Industries Summary 1990-91 (ASI SUMMARY 90-91)

Overview	
Type	Industrial Statistics (Organised Manufacturing & Labour Sector) Survey
Identification	IND-CSO-ASI-SUMMARY-90-91
Version	Production Date: 2012-06-29 Version 1.00: Reorganised Anonymized dataset for publication
Series	The Collection of Statistics (Central) Rules, 1959 framed under the 1953 Act provided for, among others, a comprehensive Annual Survey of Industries (ASI) in India. This survey replaced both the CMI (Census of Manufacturing Industries) and SSMI (Sample Survey of Manufacturing Industries). The ASI was launched in 1960 with 1959 as the reference year and is continuing since then except for 1972. For ASI, the Collection of Statistics Act 1953 and the rules framed there-under in 1959 provides the statutory basis. The ASI refers to the factories defined in accordance with the Factories Act 1948, and thus has coverage wider than that of the CMI and SSMI put together.
Abstract Introduction	
<p>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.</p>	
Kind of Data	Census and Sample survey data [cen/ssd]
Unit 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 & Coverage

Scope

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.

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
Topics	Macroeconomics & Growth, Private Sector and Trade, Public Sector
Geographic Coverage	
<p>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:-</p> <p>"Any premises" including the precincts thereof:-</p> <p>(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</p> <p>(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.</p>	
Universe	
<p>The survey cover factories registered under the Factory Act 1948.</p> <p>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.</p> <p>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.</p>	

Producers & Sponsors	
Primary Investigator(s)	Central Statistics Office (Industrial Statistics Wing), MOSPI, Government of India
Other Producer(s)	CSO(IS Wing), Kolkata (CSO) , MOSPI , Analysis, Design and data processing Field Operation Division, NSSO (FOD, NSSO) , MOSPI , Data Collection Computer Centre (CC) , MOSPI , Data dissemination
Funding Agency/ies	MOSPI, Government of India (GOI)
Other Acknowledgment(s)	Standing Committee on Industrial Statistics , Formulation and Finalisation of the survey study , GOI Computer Centre , Dissemination and web hosting , MOSPI

Sampling
Sampling Procedure
<p>Sampling Procedure</p> <p>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.</p> <p>Census Sector: Census Sector is defined as follows:</p> <p>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.</p> <p>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.</p>

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

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

Weighting

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.

Data Collection

Data Collection Dates

start 1991-07-01
end 1992-06-30

Data Collection Mode

Statutory return submitted by factories as well as Face to face

Data Collection Notes

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

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 Collector(s)

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 & Appraisal

Data Editing

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

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.

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.

Accessibility

Access Authority

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Data Dissemination (Deputy Director, Computer Centre, East Block-10, R K Puram, New Delhi) , www.mospi.nic.in , pc.nirala@nic.in

Confidentiality

The ASI data at factory level are strictly confidential and are to be used only for statistical purposes after aggregation.

The collection of Statistics Act assures confidentiality of the data to the factories.

To ensure confidentiality, data of factories with less than three units in an industry are merged. Location of the unit is also not divulged in the micro data.

Access Conditions

Data is chargeable. Document accessing for data may be seen at "Data Access" tab on home page of Micro Data Archive.

Reports are also available on payment. Therefore no report is available in external resources.

Citation Requirements

ASI Summary 1990-91, provided by CSO(IS Wing) Kolkata.

Rights & Disclaimer

Disclaimer

The user of the data acknowledges that the original collector of the data, the authorised distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

Copyright

ASI Summary 1990-91, CSO(IS Wing), Kolkata

Files Description

Dataset contains 1 file(s)

ASI_Summary_90_91	
# Cases	51608
# Variable(s)	95
<p><u>File Content</u> 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:</p> <p>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.</p> <p>Data variable names are ltm<no.> and no. corresponds to Serial Number in the record layout. Unwanted fields have been deleted from the metadata.</p>	
<p><u>Producer</u> CSO(IS Wing)</p>	

Variables List

Dataset contains 95 variable(s)

File ASI_Summary_90_91							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	State	State Code	discrete	numeric-2.0	51608	0	State Code
2	RS_No	Running Serial No	continuous	numeric-5.0	51608	0	Running Serial No
3	ltm5	NIC-87(1) Original NIC87	continuous	numeric-4.0	51608	0	NIC-87(1) Original NIC-87
4	ltm6	NIC-87(2) as per Merger Plan AI X 2 Digit	continuous	numeric-4.0	51608	0	NIC-87(2) as per Merger Plan AI X 2 Digit
5	ltm7	NIC-87(2) as per Merger Plan AI X 3 Digit	continuous	numeric-4.0	51608	0	NIC-87(2) as per Merger Plan AI X 3 Digit
6	ltm8	NIC-87(2) as per Merger Plan ST X Ind(2) Digit	continuous	numeric-4.0	51608	0	NIC-87(2) as per Merger Plan ST X Ind(2) Digit
7	ltm9	NIC-87(2) as per Merger Plan ST X Ind(3) Digit	continuous	numeric-4.0	51608	0	-87(2) as per Merger Plan ST X Ind(3) Digit
8	ltm12	Year of Survey	discrete	numeric-4.0	51608	0	Year of Survey
9	ltm13	NIC-87(9) Frame Industry	continuous	numeric-4.0	51608	0	NIC-87(9) Frame Industry code of Sample - 1
10	ltm15	Region Code	continuous	numeric-4.0	51608	0	Region Code
11	ltm16	Ownership Code	discrete	numeric-1.0	51608	0	Type of ownership (code)
12	ltm17	Organisation Code	discrete	numeric-1.0	51608	0	Type of Organisation (code)
13	ltm18	Management Code	discrete	numeric-1.0	51608	0	Scheme Code
14	ltm19	Scheme Code	discrete	numeric-1.0	51608	0	Type of management (code)
15	ltm21	Block Code	continuous	numeric-2.0	51608	0	Block Code
16	ltm20	District Code	continuous	numeric-2.0	51608	0	District Code
17	ltm22	Serial No. as given in Schedules	continuous	numeric-5.0	51608	0	Serial No. as given in Schedules
18	ltm23	Permanent Serial No	continuous	numeric-5.0	51608	0	Permanent Serial No
19	ltm24	Location Code	discrete	numeric-1.0	51608	0	Location Code
20	ltm25	Area Code	discrete	numeric-1.0	51608	0	Location Code
21	ltm26	Year of Initial Production	continuous	numeric-4.0	51608	0	Year of Initial Production
22	ltm27	Year of Initial Production Code	discrete	numeric-1.0	51608	0	Year of Initial Production Code
23	ltm28	Open-Close Code	discrete	numeric-1.0	51608	0	Whether Opened/Closed
24	ltm29	Power Code	discrete	numeric-1.0	51608	0	Type of power used (code)
25	ltm33a	Ancillary Code	discrete	numeric-1.0	51608	0	Ancillary Code
26	WGT	Multiplier	continuous	numeric-4.2	51608	0	Multiplier Factor
27	ltm35	No. of Factories	continuous	numeric-3.0	51608	0	No. of Factories
28	ltm37	Registered Units	continuous	numeric-13.0	51608	0	Registered Units
29	ltm38	Fixed Capital (Opening)	continuous	numeric-12.0	51608	0	Fixed Capital (Opening)
30	ltm39	Fixed Capital (Closing)	continuous	numeric-12.0	51608	0	Fixed Capital (Closing)
31	ltm41	Total Rent	continuous	numeric-9.0	51608	0	Total Rent

File ASI_Summary_90_91							
#	Name	Label	Type	Format	Valid	Invalid	Question
32	ltm42	Gross Value of Plant & Machinery	continuous	numeric-12.0	51608	0	Gross Value of Plant & Machinery
33	ltm43	Total Inventory (Opening)	continuous	numeric-11.0	51608	0	Total Inventory (Opening)
34	ltm44	Total Inventory (Closing)	continuous	numeric-11.0	51608	0	Total Inventory (Closing)
35	ltm45	Working Capital (Opening)	continuous	numeric-12.0	51608	0	Working Capital (Opening)
36	ltm46	Working Capital (Closing)	continuous	numeric-12.0	51608	0	Working Capital (Closing)
37	ltm47	Outstanding Loans (Opening)	continuous	numeric-12.0	51608	0	Outstanding Loans (Opening)
38	ltm48	Outstanding Loans (Closing)	continuous	numeric-12.0	51608	0	Outstanding Loans (Closing)
39	ltm49	Mandays Employees	continuous	numeric-8.0	51608	0	Mandays Employees
40	ltm50	Workers (Nos.)	continuous	numeric-6.0	51608	0	Workers (Nos.)
41	ltm51	Total Persons Engaged	continuous	numeric-6.0	51608	0	Total Persons Engaged
42	ltm52	Wages to Workers	continuous	numeric-10.0	51608	0	Wages to Workers
43	ltm53	Salaries to Employees	continuous	numeric-10.0	51608	0	Salaries to Employees
44	ltm54	Bonus to Employees	continuous	numeric-10.0	51608	0	Bonus to Employees
45	ltm55	Addition due to Revaluation	continuous	numeric-12.0	51608	0	Addition due to Revaluation
46	ltm56	Total value of Benefits	continuous	numeric-10.0	51608	0	Total value of Benefits
47	ltm57	Fuels Consumed	continuous	numeric-11.0	51608	0	Fuels Consumed
48	ltm58	Material Consumed	continuous	numeric-11.0	51608	0	Material Consumed
49	ltm59	Other Expenditure	continuous	numeric-11.0	51608	0	Other Expenditure
50	ltm61	Total Input	continuous	numeric-11.0	51608	0	Total Input
51	ltm62	Interest	continuous	numeric-11.0	51608	0	Interest
52	ltm63	Receipts from Services rendered to others	continuous	numeric-11.0	51608	0	Receipts from Services rendered to others
53	ltm64	Product	continuous	numeric-11.0	51608	0	Product
54	ltm65	Other Output/receipts	continuous	numeric-11.0	51608	0	Other Output/receipts
55	ltm66	Total Output	continuous	numeric-11.0	51608	0	Total Output
56	ltm67	Depreciation	continuous	numeric-10.0	51608	0	Depreciation
57	ltm68	Value Added	continuous	numeric-11.0	51608	0	Value Added
58	ltm69	Stock Of Material fuels, Stores etc. (Opening)	continuous	numeric-10.0	51608	0	Stock Of Material fuels Stores etc. (Opening)
59	ltm70	Stock Of Materials fuels, Stores etc. (Closing)	continuous	numeric-10.0	51608	0	Stock Of Materials fuels Stores etc. (Closing)
60	ltm71	Stock Of Semi-Finished Goods (Opening)	continuous	numeric-10.0	51608	0	Stock Of Semi-Finished Goods (Opening)
61	ltm72	Stock Of Semi-Finished Goods (Closing)	continuous	numeric-10.0	51608	0	Stock Of Semi-Finished Goods (Closing)
62	ltm73	Stock Of Finished Goods (Opening)	continuous	numeric-11.0	51608	0	Stock Of Finished Goods (Opening)
63	ltm74	Stock Of Finished Goods (Closing)	continuous	numeric-10.0	51608	0	Stock Of Finished Goods (Closing)

File ASI_Summary_90_91							
#	Name	Label	Type	Format	Valid	Invalid	Question
64	l7m75	Increase in Stock of Finished Goods	continuous	numeric-12.0	51608	0	Increase in Stock of Finished Goods
65	l7m76	All Workers Mandays	continuous	numeric-8.0	51608	0	All Workers Mandays
66	l7m77	Bonus Paid to Workers	continuous	numeric-9.0	51608	0	Bonus Paid to Workers
67	l7m78	All Employees (Nos.)	continuous	numeric-6.0	51608	0	All Employees (Nos.)
68	l7m80	Labour Cost	continuous	numeric-9.0	51608	0	Labour Cost
69	l7m81	Contribution to Provident & Other Funds	continuous	numeric-10.0	51608	0	Contribution to Provident & Other Funds
70	l7m82	Sub-Total	continuous	numeric-8.0	51608	0	Sub-Total
71	l7m84	Workmen and Staff Welfare Expenses	continuous	numeric-10.0	51608	0	Workmen and Staff Welfare Expenses
72	l7m86	Invested Capital	continuous	numeric-12.0	51608	0	Invested Capital
73	l7m87	Wages to Workers (Including Bonus to Workers)	continuous	numeric-10.0	51608	0	Wages to Workers (Including Bonus to Workers)
74	l7m88	Total Emoluments	continuous	numeric-10.0	51608	0	Total Emoluments
75	l7m89	Other Input	continuous	numeric-11.0	51608	0	Other Input
76	l7m90	Net Income	continuous	numeric-11.0	51608	0	Net Income
77	l7m91	Value of addition to Fixed Capital	continuous	numeric-11.0	51608	0	Value of addition to Fixed Capital
78	l7m92	Variation in Stock of Semi-Finished Goods	continuous	numeric-10.0	51608	0	Variation in Stock of Semi-Finished Goods
79	l7m93	Profits	continuous	numeric-11.0	51608	0	Profits
80	l7m94	Gross Fixed Capital	continuous	numeric-11.0	51608	0	Gross Fixed Capital
81	l7m95	Addition in Stock of Materials	continuous	numeric-11.0	51608	0	Addition in Stock of Materials
82	l7m96	Addition in Stock of Materials (Semi-Finished Goods)	continuous	numeric-10.0	51608	0	Addition in Stock of Materials (Semi-Finished Goods)
83	l7m97	Addition in Stock of Finished Goods	continuous	numeric-11.0	51608	0	Addition in Stock of Finished Goods
84	l7m98	Gross Capital Formation	continuous	numeric-11.0	51608	0	Gross Capital Formation
85	l7m99	Quantity of Electricity consumed	continuous	numeric-12.0	51608	0	Quantity of Electricity consumed
86	l7m100	Productive Capital	continuous	numeric-12.0	51608	0	Productive Capital
87	l7m101	Own Construction	continuous	numeric-11.0	51608	0	Own Construction
88	l7m102	Gross Sale value	continuous	numeric-11.0	51608	0	Gross Sale value
89	l7m103	Quantity of Electricity Purchased	continuous	numeric-10.0	51608	0	Quantity of Electricity Purchased
90	l7m104	Distributive Expenses	continuous	numeric-11.0	51608	0	Distributive Expenses
91	l7m105	Value of Electricity Sold	continuous	numeric-10.0	51608	0	Value of Electricity Sold
92	l7m106	Quantity of Electricity Produced (K.W.H.)	continuous	numeric-10.0	51608	0	Quantity of Electricity Produced (K.W.H.)
93	l7m107	Quantity of Electricity Sold (K.W.H.)	continuous	numeric-10.0	51608	0	Quantity of Electricity Sold (K.W.H.)

File ASI_Summary_90_91							
#	Name	Label	Type	Format	Valid	Invalid	Question
94	ltm108	Quantity of Electricity Consumed (K.W.H.)	continuous	numeric-10.0	51608	0	Quantity of Electricity Consumed (K.W.H.)
95	ltm109	Code (if required is taken into account)	continuous	numeric-2.0	51608	0	-

Variables Description

Dataset contains 95 variable(s)

File ASI_Summary_90_91

#1 State: State Code

Information [Type= discrete] [Format=numeric] [Range= 2-33] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-]

Literal question State Code

Value	Label	Cases	Percentage
2	ANDHRA PRADESH	4565	8.8%
3	ASSAM	938	1.8%
4	BIHAR	1636	3.2%
5	GUJARAT	5057	9.8%
6	HARYANA	1601	3.1%
7	HIMACHAL PRADESH	276	0.5%
8	JAMMU & KASHMIR	234	0.5%
9	KARNATAKA	2957	5.7%
10	KERALA	1914	3.7%
11	MADHYA PRADESH	1972	3.8%
12	MAHARASHTRA	6591	12.8%
13	MANIPUR	60	0.1%
14	MEGHALAYA	32	0.1%
15	NAGALAND	50	0.1%
16	ORISSA	909	1.8%
17	PUNJAB	2749	5.3%
18	RAJASTHAN	1870	3.6%
20	TAMIL NADU	6381	12.4%
21	TRIPURA	240	0.5%
22	UTTAR PRADESH	6057	11.7%
23	WEST BENGAL	2915	5.6%
24	ANDAMAN AND NICOBAR ISLANDS	52	0.1%
26	CHANDIGARH	290	0.6%
27	DADRA AND NAGAR HAVELI	127	0.2%
28	DELHI	1635	3.2%
29	GOA	219	0.4%
32	PONDICHERRY	230	0.4%
33	DAMAN & DIU	51	0.1%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#2 RS_No: Running Serial No

Information [Type= continuous] [Format=numeric] [Range= 1-86286] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=5376.429 /-] [StdDev=7221.345 /-]

Literal question Running Serial No

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

Information [Type= continuous] [Format=numeric] [Range= 2001-9918] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=3108.839 /-] [StdDev=1199.145 /-]

File ASI_Summary_90_91**#3 Itm5: NIC-87(1) Original NIC87**

Literal question	NIC-87(1) Original NIC-87
Notes	This may be used for NIC 4 Digit tabulation

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

Information	[Type= continuous] [Format=numeric] [Range= 2001-9918] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3108.839 /-] [StdDev=1199.145 /-]
Literal question	NIC-87(2) as per Merger Plan AI X 2 Digit
Notes	This field is used for generating tables on NIC 2 Digit for All India

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

Information	[Type= continuous] [Format=numeric] [Range= 2001-9918] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3108.839 /-] [StdDev=1199.145 /-]
Literal question	NIC-87(2) as per Merger Plan AI X 3 Digit
Notes	This field is used for generating tables on NIC 3 Digit for All India

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

Information	[Type= continuous] [Format=numeric] [Range= 2001-9918] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3108.839 /-] [StdDev=1199.145 /-]
Literal question	NIC-87(2) as per Merger Plan ST X Ind(2) Digit
Notes	This field is used for generating tables on NIC 2 Digit and State

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

Information	[Type= continuous] [Format=numeric] [Range= 2001-9918] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3108.839 /-] [StdDev=1199.145 /-]
Literal question	-87(2) as per Merger Plan ST X Ind(3) Digit
Notes	This field is used for generating tables on NIC 3 Digit and State

#8 Itm12: Year of Survey

Information	[Type= discrete] [Format=numeric] [Range= 9091-9495] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-]
Literal question	Year of Survey

Value	Label	Cases	Percentage
9091	1990-91	51608	100.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

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

Information	[Type= continuous] [Format=numeric] [Range= 0-9878] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3109.66 /-] [StdDev=1200.6 /-]
Literal question	NIC-87(9) Frame Industry code of Sample - 1

#10 Itm15: Region Code

Information	[Type= continuous] [Format=numeric] [Range= 2-2621] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=137.45 /-] [StdDev=76.798 /-]
Literal question	Region Code

File ASI_Summary_90_91

#11 Itm16: Ownership Code

Information [Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=5.696 /-]

Literal question Type of ownership (code)

Value	Label	Cases	Percentage
1	Wholly Central Government	790	1.5%
2	Wholly State and/or Local Government	2037	3.9%
3	Wholly Private Enterprise	385	0.7%
4	Central Government and State and/or Local Government jointly	909	1.8%
5	Joint Sector Private	603	1.2%
6	Joint Sector Public	46883	90.8%
7	Invalid	1	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#12 Itm17: Organisation Code

Information [Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=3.421 /-]

Literal question Type of Organisation (code)

Value	Label	Cases	Percentage
1	Individual Proprietorship	8858	17.2%
2	Partnership : Joint family	3479	6.7%
3	Partnership : Others	19301	37.4%
4	Public Limited Company	5954	11.5%
5	Private Limited Company	9698	18.8%
6	Public Corporations	1609	3.1%
7	Co-Operative Society	1079	2.1%
8	Others	1367	2.6%
9	Invalid	263	0.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#13 Itm18: Management Code

Information [Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=2.886 /-]

Literal question Scheme Code

Notes Value 0 is recoded as NR as this may be 0 or spaces in the data. However, for processing both 0 and 9 may be treated as NR.

Value	Label	Cases	Percentage
1	Government/Government Institutions	2483	4.8%
2	Private enterprise whose management has been taken over by the Government	949	1.8%
3	Others	48174	93.3%
9	Invalid	2	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#14 Itm19: Scheme Code

Information [Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]

File ASI_Summary_90_91

#14 Itm19: Scheme Code

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-]

Literal question Type of management (code)

Value	Label	Cases	Percentage
1	100 or more workers	12712	24.6%
2	Complete Enumeration	8705	16.9%
3	Electricity	176	0.3%
4	Sample I	6273	12.2%
5	Sample II	22962	44.5%
6	B & C 100 or more workers	413	0.8%
7	B & C-CE	24	0.0%
8	B & C Sample I	24	0.0%
9	B & C Sample II	319	0.6%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#15 Itm21: Block Code

Information [Type= continuous] [Format=numeric] [Range= 0-99] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=0 /-] [StdDev=0 /-]

Literal question Block Code

Notes Block code not available

#16 Itm20: District Code

Information [Type= continuous] [Format=numeric] [Range= 1-63] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=11.356 /-] [StdDev=10.873 /-]

Literal question District Code

#17 Itm22: Serial No. as given in Schedules

Information [Type= continuous] [Format=numeric] [Range= 100-90457] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=11631.728 /-] [StdDev=2879.227 /-]

Literal question Serial No. as given in Schedules

#18 Itm23: Permanent Serial No

Information [Type= continuous] [Format=numeric] [Range= 0-99212] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=11743.19 /-] [StdDev=5005.048 /-]

Literal question Permanent Serial No

Interviewer's 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.

#19 Itm24: Location Code

Information [Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=1.82 /-]

Literal question Location Code

Value	Label	Cases	Percentage
1	1	15441	29.9%
2	2	30033	58.2%

File ASI_Summary_90_91

#19 Itm24: Location Code

Value	Label	Cases	Percentage
3	3	6132	11.9%
9	Invalid	2	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#20 Itm25: Area Code

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=1.707 /-]
Literal question	Location Code

Value	Label	Cases	Percentage
0	NR	4	0.0%
1	1	15118	29.3%
2	2	36486	70.7%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#21 Itm26: Year of Initial Production

Information	[Type= continuous] [Format=numeric] [Range= 0-9923] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=1972.927 /-] [StdDev=44.728 /-]
Literal question	Year of Initial Production

#22 Itm27: Year of Initial Production Code

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-]
Literal question	Year of Initial Production Code

Value	Label	Cases	Percentage
1		3938	7.6%
2		1251	2.4%
3		2270	4.4%
4		3370	6.5%
5		3964	7.7%
6		6220	12.1%
7		8534	16.5%
8		22044	42.7%
9		17	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#23 Itm28: Open-Close Code

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=0.0625 /-]
Literal question	Whether Opened/Closed
Notes	Coded as 0 for 0 and 1 for 1 and others as 9 -' Invalid'

Value	Label	Cases	Percentage
0	Open	48398	93.8%
1	Closed	3208	6.2%
9	Invalid	2	0.0%

File ASI_Summary_90_91**#23 Itm28: Open-Close Code**

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#24 Itm29: Power Code

Information [Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-]

Literal question Type of power used (code)

Value	Label	Cases	Percentage
1	Electricity	44319	85.9%
2	Steam	692	1.3%
3	Diesel	599	1.2%
4	Others	342	0.7%
5	No motive power	2455	4.8%
6	Closed factory	3195	6.2%
9	Invalid	6	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#25 Itm33a: Ancillary Code

Information [Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=9 /-]

Literal question Ancillary Code

Notes Ancillary code not recorded for ASI year 1988 to 1994. Therefore no analysis be done on this field.

Value	Label	Cases	Percentage
9	Code not available	51608	100.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#26 WGT: Multiplier

Information [Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=2.004 /-] [StdDev=0.959 /-]

Literal question Multiplier Factor

#27 Itm35: No. of Factories

Information [Type= continuous] [Format=numeric] [Range= 1-843] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=1.179 /-] [StdDev=7.311 /-]

Literal question No. of Factories

#28 Itm37: Registered Units

Information [Type= continuous] [Format=numeric] [Range= -6-600000000000] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=7.762 /-] [StdDev=5.543 /-]

Literal question Registered Units

#29 Itm38: Fixed Capital (Opening)

Information [Type= continuous] [Format=numeric] [Range= 0-105917496862] [Missing=*]

Statistics [NW/ W] [Valid=51608 /-] [Invalid=0 /-] [Mean=21941449.66 /-] [StdDev=624280256.375 /-]

Definition 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

File ASI_Summary_90_91

#29 Itm38: Fixed Capital (Opening)

	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)

#30 Itm39: Fixed Capital (Closing)

Information	[Type= continuous] [Format=numeric] [Range= 0-112195782060] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=24638853.871 /-] [StdDev=713052353.963 /-]
Definition	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)

#31 Itm41: Total Rent

Information	[Type= continuous] [Format=numeric] [Range= -12819981-906131872] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=143150.231 /-] [StdDev=2942823.851 /-]
Literal question	Total Rent

#32 Itm42: Gross Value of Plant & Machinery

Information	[Type= continuous] [Format=numeric] [Range= 0-350700239510] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=24364742.838 /-] [StdDev=608163625.014 /-]
Definition	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

#33 Itm43: Total Inventory (Opening)

Information	[Type= continuous] [Format=numeric] [Range= 0-18473277000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=9104664.582 /-] [StdDev=90984917.004 /-]
Literal question	Total Inventory (Opening)

#34 Itm44: Total Inventory (Closing)

Information	[Type= continuous] [Format=numeric] [Range= -5561433-15613888000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=10446453.627 /-] [StdDev=97446562.579 /-]
Literal question	Total Inventory (Closing)

#35 Itm45: Working Capital (Opening)

Information	[Type= continuous] [Format=numeric] [Range= -35583630669-21142146134] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=6366747.498 /-] [StdDev=199657577.996 /-]
Definition	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)

File ASI_Summary_90_91

#36 Itm46: Working Capital (Closing)

Information	[Type= continuous] [Format=numeric] [Range= -21041893000-24119667675] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=7378233.815 /-] [StdDev=224471397.087 /-]
Definition	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)

#37 Itm47: Outstanding Loans (Opening)

Information	[Type= continuous] [Format=numeric] [Range= -9449121-108574980866] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=16374743.94 /-] [StdDev=479335477.236 /-]
Definition	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's instructions	Opening Outstanding loans to be filled.

#38 Itm48: Outstanding Loans (Closing)

Information	[Type= continuous] [Format=numeric] [Range= -52664239-116778956583] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=19013737.06 /-] [StdDev=593743703.318 /-]
Definition	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's instructions	Closing Outstanding loans to be filled.

#39 Itm49: Mandays Employees

Information	[Type= continuous] [Format=numeric] [Range= 0-55633813] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=41691.006 /-] [StdDev=426098.278 /-]
Definition	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

#40 Itm50: Workers (Nos.)

Information	[Type= continuous] [Format=numeric] [Range= 0-133974] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=100.672 /-] [StdDev=860.844 /-]
Definition	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.)

File ASI_Summary_90_91

#41 Itm51: Total Persons Engaged

Information	[Type= continuous] [Format=numeric] [Range= 0-152421] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=132.073 /-] [StdDev=1190.354 /-]
Definition	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

#42 Itm52: Wages to Workers

Information	[Type= continuous] [Format=numeric] [Range= 0-4658037891] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=2125775.055 /-] [StdDev=26351562.649 /-]
Definition	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

#43 Itm53: Salaries to Employees

Information	[Type= continuous] [Format=numeric] [Range= 0-6382433400] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3351293.828 /-] [StdDev=43230736.526 /-]
Definition	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

#44 Itm54: Bonus to Employees

Information	[Type= continuous] [Format=numeric] [Range= 0-1286460000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=262887.051 /-] [StdDev=2615682.626 /-]

File ASI_Summary_90_91	
#44 Itm54: Bonus to Employees	
Definition	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
#45 Itm55: Addition due to Revaluation	
Information	[Type= continuous] [Format=numeric] [Range= -111792205-836919260000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=0 /-] [StdDev=0 /-]
Literal question	Addition due to Revaluation
#46 Itm56: Total value of Benefits	
Information	[Type= continuous] [Format=numeric] [Range= -2250498-1384685671] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=676665.81 /-] [StdDev=8152769.736 /-]
Literal question	Total value of Benefits
#47 Itm57: Fuels Consumed	
Information	[Type= continuous] [Format=numeric] [Range= 0-18794180501] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3740870.421 /-] [StdDev=74677918.927 /-]
Definition	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
#48 Itm58: Material Consumed	
Information	[Type= continuous] [Format=numeric] [Range= 0-31322031839] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=27002493.566 /-] [StdDev=294449212.269 /-]
Definition	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
#49 Itm59: Other Expenditure	
Information	[Type= continuous] [Format=numeric] [Range= 0-4974913471] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3495693.572 /-] [StdDev=85861738.297 /-]
Literal question	Other Expenditure
#50 Itm61: Total Input	
Information	[Type= continuous] [Format=numeric] [Range= -2884629-34386600601] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=34238801.057 /-] [StdDev=364015758.337 /-]
Definition	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
#51 Itm62: Interest	
Information	[Type= continuous] [Format=numeric] [Range= -8800638-11706092877] [Missing=*]

File ASI_Summary_90_91

#51 Itm62: Interest

Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=2633350.531 /-] [StdDev=58370047.701 /-]
Definition	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

#52 Itm63: Receipts from Services rendered to others

Information	[Type= continuous] [Format=numeric] [Range= -10512391-15199480100] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=2379284.448 /-] [StdDev=58153069.984 /-]
Literal question	Receipts from Services rendered to others

#53 Itm64: Product

Information	[Type= continuous] [Format=numeric] [Range= -471396578-61594854625] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=42116812.476 /-] [StdDev=448816267.053 /-]
Literal question	Product

#54 Itm65: Other Output/receipts

Information	[Type= continuous] [Format=numeric] [Range= -485435519-23124471352] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3301436.899 /-] [StdDev=74975503.869 /-]
Literal question	Other Output/receipts

#55 Itm66: Total Output

Information	[Type= continuous] [Format=numeric] [Range= -467498385-64578946291] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=44965907.733 /-] [StdDev=481638091.015 /-]
Definition	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

#56 Itm67: Depreciation

Information	[Type= continuous] [Format=numeric] [Range= -1124982-6949401203] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=1767304.636 /-] [StdDev=27469233.685 /-]
Definition	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

#57 Itm68: Value Added

Information	[Type= continuous] [Format=numeric] [Range= -1733867697-23242944487] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=8959802.04 /-] [StdDev=118743838.589 /-]
Definition	NET VALUE ADDED is arrived by deducting total input and depreciation from total output.
Literal question	Value Added

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

Information	[Type= continuous] [Format=numeric] [Range= 0-7085200000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=5141458.339 /-] [StdDev=61095427.901 /-]
Literal question	Stock Of Material fuels Stores etc. (Opening)

File ASI_Summary_90_91**#59 Itm70: Stock Of Materials fuels, Stores etc. (Closing)**

Information	[Type= continuous] [Format=numeric] [Range= 0-7836714445] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=5798613.5 /-] [StdDev=64818469.118 /-]
Literal question	Stock Of Materials fuels Stores etc. (Closing)

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

Information	[Type= continuous] [Format=numeric] [Range= -4630-1680585529] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=1278909.308 /-] [StdDev=16101181.512 /-]
Literal question	Stock Of Semi-Finished Goods (Opening)

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

Information	[Type= continuous] [Format=numeric] [Range= 0-1637075376] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=1480697.051 /-] [StdDev=18770140.053 /-]
Literal question	Stock Of Semi-Finished Goods (Closing)

#62 Itm73: Stock Of Finished Goods (Opening)

Information	[Type= continuous] [Format=numeric] [Range= -34000-11388077000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=2661488.422 /-] [StdDev=27460262.721 /-]
Literal question	Stock Of Finished Goods (Opening)

#63 Itm74: Stock Of Finished Goods (Closing)

Information	[Type= continuous] [Format=numeric] [Range= 0-9398313000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3179301.392 /-] [StdDev=28710075.808 /-]
Literal question	Stock Of Finished Goods (Closing)

#64 Itm75: Increase in Stock of Finished Goods

Information	[Type= continuous] [Format=numeric] [Range= -10575530798-1615554000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=582500.763 /-] [StdDev=10133766.569 /-]
Literal question	Increase in Stock of Finished Goods

#65 Itm76: All Workers Mandays

Information	[Type= continuous] [Format=numeric] [Range= 0-48900510] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=31808.394 /-] [StdDev=305716.949 /-]
Literal question	All Workers Mandays

#66 Itm77: Bonus Paid to Workers

Information	[Type= continuous] [Format=numeric] [Range= 0-302230254] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=183268.916 /-] [StdDev=1849395.939 /-]
Literal question	Bonus Paid to Workers

#67 Itm78: All Employees (Nos.)

Information	[Type= continuous] [Format=numeric] [Range= 0-152421] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=131.059 /-] [StdDev=1190.413 /-]
Literal question	All Employees (Nos.)

#68 Itm80: Labour Cost

Information	[Type= continuous] [Format=numeric] [Range= -16866-777624227] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=4318.988 /-] [StdDev=53368.429 /-]

File ASI_Summary_90_91	
#68 Itm80: Labour Cost	
Literal question	Labour Cost
#69 Itm81: Contribution to Provident & Other Funds	
Information	[Type= continuous] [Format=numeric] [Range= 0-1257100128] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=387350.205 /-] [StdDev=5566484.905 /-]
Literal question	Contribution to Provident & Other Funds
#70 Itm82: Sub-Total	
Information	[Type= continuous] [Format=numeric] [Range= 0-99721273] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=15782109.274 /-] [StdDev=19835503.457 /-]
Literal question	Sub-Total
#71 Itm84: Workmen and Staff Welfare Expenses	
Information	[Type= continuous] [Format=numeric] [Range= -62707-1032982555] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=288210.244 /-] [StdDev=3439087.998 /-]
Definition	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
#72 Itm86: Invested Capital	
Information	[Type= continuous] [Format=numeric] [Range= -3035709-116743083375] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=35085307.497 /-] [StdDev=774707987.389 /-]
Literal question	Invested Capital
#73 Itm87: Wages to Workers (Including Bonus to Workers)	
Information	[Type= continuous] [Format=numeric] [Range= 0-4672421085] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=2309043.971 /-] [StdDev=27927817.779 /-]
Literal question	Wages to Workers (Including Bonus to Workers)
#74 Itm88: Total Emoluments	
Information	[Type= continuous] [Format=numeric] [Range= 0-6526266667] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3614180.879 /-] [StdDev=45477688.086 /-]
Definition	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
#75 Itm89: Other Input	
Information	[Type= continuous] [Format=numeric] [Range= 0-4974913471] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=3495693.572 /-] [StdDev=85861738.297 /-]
Literal question	Other Input
#76 Itm90: Net Income	
Information	[Type= continuous] [Format=numeric] [Range= -3352291852-14734719762] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=6183301.279 /-] [StdDev=87400630.037 /-]
Literal question	Net Income

File ASI_Summary_90_91**#77 Itm91: Value of addition to Fixed Capital**

Information	[Type= continuous] [Format=numeric] [Range= -2859389000-2737022000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=1341789.044 /-] [StdDev=24288498.991 /-]
Literal question	Value of addition to Fixed Capital

#78 Itm92: Variation in Stock of Semi-Finished Goods

Information	[Type= continuous] [Format=numeric] [Range= -515534000-771320000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=201990.359 /-] [StdDev=6176006.642 /-]
Literal question	Variation in Stock of Semi-Finished Goods

#79 Itm93: Profits

Information	[Type= continuous] [Format=numeric] [Range= -7736719940-13632521063] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=1893559.951 /-] [StdDev=68789959.335 /-]
Literal question	Profits

#80 Itm94: Gross Fixed Capital

Information	[Type= continuous] [Format=numeric] [Range= -4070008000-33435963311] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=4464708.846 /-] [StdDev=121410482.833 /-]
Literal question	Gross Fixed Capital

#81 Itm95: Addition in Stock of Materials

Information	[Type= continuous] [Format=numeric] [Range= -1312827367-7144671594] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=657155.16 /-] [StdDev=15213826.542 /-]
Literal question	Addition in Stock of Materials

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

Information	[Type= continuous] [Format=numeric] [Range= -515534000-771320000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=201787.742 /-] [StdDev=6174078.431 /-]
Literal question	Addition in Stock of Materials (Semi-Finished Goods)

#83 Itm97: Addition in Stock of Finished Goods

Information	[Type= continuous] [Format=numeric] [Range= -1989764000-1615554000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=517812.97 /-] [StdDev=10337353.073 /-]
Literal question	Addition in Stock of Finished Goods

#84 Itm98: Gross Capital Formation

Information	[Type= continuous] [Format=numeric] [Range= -4355459000-33892628992] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=5841464.719 /-] [StdDev=126279598.989 /-]
Literal question	Gross Capital Formation

#85 Itm99: Quantity of Electricity consumed

Information	[Type= continuous] [Format=numeric] [Range= -45137-868800000000] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=288210.244 /-] [StdDev=3439087.998 /-]
Literal question	Quantity of Electricity consumed

#86 Itm100: Productive Capital

Information	[Type= continuous] [Format=numeric] [Range= -10221739000-133313562398] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=32017087.686 /-] [StdDev=822396032.851 /-]

File ASI_Summary_90_91	
#86 Itm100: Productive Capital	
Literal question	Productive Capital
#87 Itm101: Own Construction	
Information	[Type= continuous] [Format=numeric] [Range= -1209143-13075755464] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=250553.9 /-] [StdDev=26300506.416 /-]
Literal question	Own Construction
#88 Itm102: Gross Sale value	
Information	[Type= continuous] [Format=numeric] [Range= 0-61594951025] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=46107481.474 /-] [StdDev=471338735.767 /-]
Literal question	Gross Sale value
#89 Itm103: Quantity of Electricity Purchased	
Information	[Type= continuous] [Format=numeric] [Range= 0-2748853800] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=1155763.92 /-] [StdDev=18664894.29 /-]
Literal question	Quantity of Electricity Purchased
#90 Itm104: Distributive Expenses	
Information	[Type= continuous] [Format=numeric] [Range= -6861-11553168568] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=4960823.61 /-] [StdDev=69703646.194 /-]
Literal question	Distributive Expenses
#91 Itm105: Value of Electricity Sold	
Information	[Type= continuous] [Format=numeric] [Range= -359520-1050249548] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=25217.853 /-] [StdDev=2354766.941 /-]
Literal question	Value of Electricity Sold
#92 Itm106: Quantity of Electricity Produced (K.W.H.)	
Information	[Type= continuous] [Format=numeric] [Range= 0-7746012548] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=312029.833 /-] [StdDev=10844539.317 /-]
Literal question	Quantity of Electricity Produced (K.W.H.)
#93 Itm107: Quantity of Electricity Sold (K.W.H.)	
Information	[Type= continuous] [Format=numeric] [Range= 0-6948589989] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=51620.913 /-] [StdDev=5888797.579 /-]
Literal question	Quantity of Electricity Sold (K.W.H.)
#94 Itm108: Quantity of Electricity Consumed (K.W.H.)	
Information	[Type= continuous] [Format=numeric] [Range= -9062342-2748853800] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=1416172.84 /-] [StdDev=21726820.768 /-]
Literal question	Quantity of Electricity Consumed (K.W.H.)
#95 Itm109: Code (if required is taken into account)	
Information	[Type= continuous] [Format=numeric] [Range= 1-96] [Missing=*]
Statistics [NW/ W]	[Valid=51608 /-] [Invalid=0 /-] [Mean=10.998 /-] [StdDev=10.467 /-]
Notes	No information on this field probably generated for some processing

Documentation

Reports and analytical documents	26
IHSN Report ASI Summary 1990-91	26
Technical documents	26
ASI Summary 1990-91 Record Layout	26
CONCORDANCE TABLE	26
ASI Summary 1990-91 Code List	26
ASICC (Item) Code List	26
National Industrial Classification - NIC 87 List	26
National Industrial Classification - NIC 70 List	26
State Code List	26

Reports and analytical documents

IHSN Report ASI Summary 1990-91, "DOCUMENTS\IHSN Report ASI (Summary) 1990-91.pdf"

Technical documents

ASI Summary 1990-91 Record Layout, "DOCUMENTS\SUM9094M.pdf"

CONCORDANCE TABLE, "DOCUMENTS\CONV7087.pdf"

Description

Concordance table between NIC 70 and NIC 87 provided for comparison.

ASI Summary 1990-91 Code List, "DOCUMENTS\ASI CODES FOR 1988_1994.pdf"

ASICC (Item) Code List, "DOCUMENTS\ASICC code.pdf"

National Industrial Classification - NIC 87 List, "DOCUMENTS\NIC 87.pdf"

National Industrial Classification - NIC 70 List, "DOCUMENTS\NIC 70 Final.pdf"

State Code List, "DOCUMENTS\ASISTATE_CODES.pdf"