India

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

Annual Survey of Industries Summary 1989-90

July 13, 2012

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India (1990-1991)
Annual Survey of Industries Summary 1989-90 (ASI SUMMARY 1989-90)

Overview

Type	Industrial Statistics (Organised Manufacturing & Labour Sector) Survey
Identification	IND-CSO-ASI-SUMMARY-89-90
Version	Production Date: 2012-07-10 Version1.00: 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 frame 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

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]
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
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.

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
Sampling Procedure

The sampling design followed in ASI 1989-90 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. Goa, Himachal Pradesh, J & K, Manipur, Meghalaya, Nagaland, Tripura, Andaman & Nicobar Islands, Chandigarh, Dadra & Nagar Haveli, Daman & diu and Pondicherry were completely enumerated.
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
There was no deviation from sample design in ASI 1989-90

Weighting
Please note that an inflation factor (Multiplier) WGT is available for each unit against records belonging for ASI Summary 1989-90 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 1990-07-01 end 1991-06-30
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 apportions should be done to avoid any complications in estimation different parameters. In census sector also appropriate apportions should be made if some changes occur in joint returns.

Questionnaires

Annual Survey of Industries 1989-90 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 pf ASI survey schedule. Therefore, there is only on data file in ASI Summary 1989-90.

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 refered 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 entitiled 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	Deputy Director General, CC (Ministry of Statistics and P.I) , mospi.nic.in , pc.mohanan@nic.in DDG CSO(IS Wing),Kolkata (Ministry of Statistics and P.I) , mospi.nic.in , cso_isw@yahoo.co.in
Contact(s)	ASI Processing and Report (Deputy Director General, CSO (IS Wing) 1, Council House Street, Kolkata) , www.mospi.gov.in , cso_isw@yahoo.co.in Data Dissemination (Deputy Director General, Computer Centre, East Block-10, R K Puram, New Delhi) , www.mospi.gov.in , pc.mohanan@nic.in Data Dissemination (Deputy Director, Computer Centre, East Block-10, R K Puram, New Delhi) , www.mospi.gov.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 Archieve.
Reports are also available on payment. Therefore no report is available in external resources.

Citation Requirements
ASI Summary 1989-90, 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 1989-90, CSO(IS Wing), Kolkata

Files Description

Dataset contains 1 file(s)

ASI_Summary_89_90	
# Cases	49552
# Variable(s)	88

File Content

ASI SUMMARY 1989-90 : Summarised data is only 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 1989-90.

Following are fields description 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.

These data items are named as Itm followed by Sr. No. in the record layout. Please note that Unwanted data items mostly shown as Filler have been deleted from the data set.

Producer
CSO(IS Wing)

Variables List

Dataset contains 88 variable(s)

#	Name	Label	Type	Format	Valid	Invalid	Question
1	Part_CD	Part Code	discrete	numeric-1.0	49552	0	-
2	MSchm_CD	Modified scheme code	discrete	numeric-1.0	49552	0	Modified scheme code
3	State	State Code	discrete	numeric-2.0	49552	0	State Code
4	RS_No	Running Serial No	continuous	numeric-5.0	49552	0	Running Serial No
5	IND_CD	NIC-87(1) Original NIC87	continuous	numeric-4.0	49552	0	National Industrial Classification NIC 87 code
6	WGT	Multiplier	continuous	numeric-4.2	49552	0	Multiplier Factor
7	Itm12	Year of Survey	discrete	numeric-4.0	49552	0	Year of Survey
8	Itm13	NIC-87(9) Frame Industry	continuous	numeric-4.0	49552	0	NIC-87(9) Frame Industry code of Sample - 1
9	Itm14	Dummy State Code	continuous	numeric-2.0	49552	0	Dummy State Code
10	Itm15	Region Code	continuous	numeric-4.0	49552	0	Region Code
11	Itm16	Ownership Code	discrete	numeric-1.0	49552	0	Type of ownership (code)
12	Itm17	Organisation Code	discrete	numeric-1.0	49552	0	Type of Organisation (code)
13	Itm18	Management Code	discrete	numeric-1.0	49552	0	Scheme Code
14	Itm19	Scheme Code	discrete	numeric-1.0	49552	0	Type of management (code)
15	Itm20	District Code	continuous	numeric-2.0	49552	0	District Code
16	Itm21	Block Code	discrete	numeric-2.0	49552	0	Block Code
17	Itm22	Serial No. as given in Schedules	continuous	numeric-5.0	49552	0	Serial No. as given in Schedules
18	Itm23	Permanent Serial No	continuous	numeric-5.0	49552	0	Permanent Serial No
19	Itm24	Location Code	discrete	numeric-1.0	49552	0	Location Code
20	Itm25	Area Code	discrete	numeric-1.0	49552	0	Location Code
21	Itm26	Year of Initial Production	continuous	numeric-4.0	49552	0	Year of Initial Production
22	Itm27	Year of Initial Production Code	discrete	numeric-1.0	49552	0	Year of Initial Production Code
23	Itm28	Open-Close Code	discrete	numeric-1.0	49552	0	Whether Opened/Closed
24	Itm29	Power Code	discrete	numeric-1.0	49552	0	Type of power used (code)
25	Itm35	No. of Factories	continuous	numeric-3.0	49552	0	No. of Factories
26	Itm38	Fixed Capital (Opening)	continuous	numeric-12.0	49552	0	Fixed Capital (Opening)
27	Itm39	Fixed Capital (Closing)	continuous	numeric-12.0	49552	0	Fixed Capital (Closing)
28	Itm40	Month of A/C year	continuous	numeric-1.0	49552	0	Months of A/C Year
29	Itm41	Total Rent	continuous	numeric-9.0	49552	0	Total Rent
30	Itm42	Gross Value of Plant & Machinery	continuous	numeric-12.0	49552	0	Gross Value of Plant & Machinery
31	Itm43	Total Inventory (Opening)	continuous	numeric-11.0	49552	0	Total Inventory (Opening)
32	Itm44	Total Inventory (Closing)	continuous	numeric-11.0	49552	0	Total Inventory (Closing)

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#	Name	Label	Type	Format	Valid	Invalid	Question
33	Itm45	Working Capital (Opening)	continuous	numeric-12.0	49552	0	Working Capital (Opening)
34	Itm46	Working Capital (Closing)	continuous	numeric-12.0	49552	0	Working Capital (Closing)
35	Itm47	Outstanding Loans (Opening)	continuous	numeric-12.0	49552	0	Outstanding Loans (Opening)
36	Itm48	Outstanding Loans (Closing)	continuous	numeric-12.0	49552	0	Outstanding Loans (Closing)
37	Itm49	Mandays Employees	continuous	numeric-8.0	49552	0	Mandays Employees
38	Itm50	Workers (Nos.)	continuous	numeric-6.0	49552	0	Workers (Nos.)
39	Itm51	Total Persons Engaged	continuous	numeric-6.0	49552	0	Total Persons Engaged
40	Itm52	Wages to Workers	continuous	numeric-10.0	49552	0	Wages to Workers
41	Itm53	Salaries to Employees	continuous	numeric-10.0	49552	0	Salaries to Employees
42	Itm54	Bonus to Employees	continuous	numeric-10.0	49552	0	Bonus to Employees
43	Itm56	Total value of Benefits	continuous	numeric-10.0	49552	0	Total value of Benefits
44	Itm57	Fuels Consumed	continuous	numeric-11.0	49552	0	Fuels Consumed
45	Itm58	Material Consumed	continuous	numeric-11.0	49552	0	Material Consumed
46	Itm59	Other Expenditure	continuous	numeric-10.0	49552	0	Other Expenditure
47	Itm61	Total Input	continuous	numeric-11.0	49552	0	Total Input
48	Itm62	Interest	continuous	numeric-11.0	49552	0	Interest
49	Itm63	Receipts from Services rendered to others	continuous	numeric-11.0	49552	0	Receipts from Services rendered to others
50	Itm64	Product	continuous	numeric-11.0	49552	0	Product
51	Itm65	Other Output/receipts	continuous	numeric-11.0	49552	0	Other Output/receipts
52	Itm66	Total Output	continuous	numeric-11.0	49552	0	Total Output
53	Itm67	Depreciation	continuous	numeric-10.0	49552	0	Depreciation
54	Itm68	Value Added	continuous	numeric-11.0	49552	0	Value Added
55	Itm69	Stock Of Material fuels, Stores etc. (Opening)	continuous	numeric-10.0	49552	0	Stock Of Material fuels Stores etc. (Opening)
56	Itm70	Stock Of Materials fuels, Stores etc. (Closing)	continuous	numeric-10.0	49552	0	Stock Of Materials fuels Stores etc. (Closing)
57	Itm71	Stock Of Semi-Finished Goods (Opening)	continuous	numeric-10.0	49552	0	Stock Of Semi-Finished Goods (Opening)
58	Itm72	Stock Of Semi-Finished Goods (Closing)	continuous	numeric-10.0	49552	0	Stock Of Semi-Finished Goods (Closing)
59	Itm73	Stock Of Finished Goods (Opening)	continuous	numeric-11.0	49552	0	Stock Of Finished Goods (Opening)
60	Itm74	Stock Of Finished Goods (Closing)	continuous	numeric-10.0	49552	0	Stock Of Finished Goods (Closing)
61	Itm76	All Workers Mandays	continuous	numeric-8.0	49552	0	All Workers Mandays
62	Itm77	Bonus Paid to Workers	continuous	numeric-9.0	49552	0	Bonus Paid to Workers
63	Itm78	All Employees (Nos.)	continuous	numeric-6.0	49552	0	All Employees (Nos.)
64	Itm80	Labour Cost	continuous	numeric-9.0	49552	0	Labour Cost
65	Itm81	Contribution to Provident & Other Funds	continuous	numeric-10.0	49552	0	Contribution to Provident & Other Funds

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#	Name	Label	Type	Format	Valid	Invalid	Question
66	Itm84	Workmen and Staff Welfare Expenses	continuous	numeric-10.0	49552	0	Workmen and Staff Welfare Expenses
67	Itm86	Invested Capital	continuous	numeric-12.0	49552	0	Invested Capital
68	Itm87	Wages to Workers (Including Bonus to Workers)	continuous	numeric-10.0	49552	0	Wages to Workers (Including Bonus to Workers)
69	Itm88	Total Emoluments	continuous	numeric-10.0	49552	0	Total Emoluments
70	Itm89	Other Input	continuous	numeric-10.0	49552	0	Other Input
71	Itm90	Net Income	continuous	numeric-11.0	49552	0	Net Income
72	Itm91	Value of addition to Fixed Capital	continuous	numeric-11.0	49552	0	Value of addition to Fixed Capital
73	Itm92	Variation in Stock of Semi-Finished Goods	continuous	numeric-10.0	49552	0	Variation in Stock of Semi-Finished Goods
74	Itm93	Profits	continuous	numeric-11.0	49552	0	Profits
75	Itm94	Gross Fixed Capital	continuous	numeric-11.0	49552	0	Gross Fixed Capital
76	Itm95	Addition in Stock of Materials	continuous	numeric-11.0	49552	0	Addition in Stock of Materials
77	Itm96	Addition in Stock of Materials (Semi-Finished Goods)	continuous	numeric-10.0	49552	0	Addition in Stock of Materials (Semi-Finished Goods)
78	Itm97	Addition in Stock of Finished Goods	continuous	numeric-11.0	49552	0	Addition in Stock of Finished Goods
79	Itm98	Gross Capital Formation	continuous	numeric-11.0	49552	0	Gross Capital Formation
80	Itm100	Productive Capital	continuous	numeric-12.0	49552	0	Productive Capital
81	Itm101	Own Construction	continuous	numeric-11.0	49552	0	Own Construction
82	Itm102	Gross Sale value	continuous	numeric-11.0	49552	0	Gross Sale value
83	Itm103	Quantity of Electricity Purchased	continuous	numeric-10.0	49552	0	Quantity of Electricity Purchased
84	Itm104	Distributive Expenses	continuous	numeric-11.0	49552	0	Distributive Expenses
85	Itm105	Value of Electricity Sold	continuous	numeric-10.0	49552	0	Value of Electricity Sold
86	Itm106	Quantity of Electricity Produced (K.W.H.)	continuous	numeric-10.0	49552	0	Quantity of Electricity Produced (K.W.H.)
87	Itm107	Quantity of Electricity Sold (K.W.H.)	continuous	numeric-10.0	49552	0	Quantity of Electricity Sold (K.W.H.)
88	Itm108	Quantity of Electricity Consumed (K.W.H.)	continuous	numeric-10.0	49552	0	Quantity of Electricity Consumed (K.W.H.)

Variables Description

Dataset contains88 variable(s)

File ASI_Summary_89_90

#1 Part_CD: Part Code

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Delhi	16677	33.7%
2	Kolkata	32875	66.3%

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 MSchm_CD: Modified scheme code

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-]
Literal question	Modified scheme code
Notes	Modified scheme code not known due to non availability of any document. Therefore it is coded as its value 1,2 and 3.

Value	Label	Cases	Percentage
1	1	6280	12.7%
2	2	22808	46.0%
3	3	20464	41.3%

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.

#3 State: State Code

Information	[Type= discrete] [Format=numeric] [Range= 2-33] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-]
Literal question	State Code

Value	Label	Cases	Percentage
2	ANDHRA PRADESH	4525	9.1%
3	ASSAM	981	2.0%
4	BIHAR	1691	3.4%
5	GUJARAT	4987	10.1%
6	HARYANA	1610	3.2%
7	HIMACHAL PRADESH	269	0.5%
8	JAMMU & KASHMIR	227	0.5%
9	KARNATAKA	2869	5.8%
10	KERALA	1877	3.8%
11	MADHYA PRADESH	1784	3.6%
12	MAHARASHTRA	6488	13.1%
13	MANIPUR	40	0.1%
14	MEGHALAYA	31	0.1%
15	NAGALAND	55	0.1%
16	ORISSA	869	1.8%
17	PUNJAB	2678	5.4%
18	RAJASTHAN	1717	3.5%

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#3 State: State Code

Value	Label	Cases	Percentage
20	TAMIL NADU	5999	12.1%
21	TRIPURA	314	0.6%
22	UTTAR PRADESH	5339	10.8%
23	WEST BENGAL	2806	5.7%
24	ANDAMAN AND NICOBAR ISLANDS	52	0.1%
26	CHANDIGARH	280	0.6%
27	DADRA AND NAGAR HAVELI	126	0.3%
28	DELHI	1486	3.0%
29	GOA	204	0.4%
32	PONDICHERRY	209	0.4%
33	DAMAN & DIU	39	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.

#4 RS_No: Running Serial No

Information	[Type= continuous] [Format=numeric] [Range= 1-86286] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=14124.353 /-] [StdDev=21788.908 /-]
Literal question	Running Serial No

#5 IND_CD: NIC-87(1) Original NIC87

Information	[Type= continuous] [Format=numeric] [Range= 2001-9790] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=3082.75 /-] [StdDev=1137.211 /-]
Literal question	National Industrial Classification NIC 87 code

#6 WGT: Multiplier

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1.978 /-] [StdDev=0.979 /-]
Literal question	Multiplier Factor
Notes	To be used as weighti - multiplier factor

#7 Itm12: Year of Survey

Information	[Type= discrete] [Format=numeric] [Range= 8990-9495] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-]
Literal question	Year of Survey

Value	Label	Cases	Percentage
8990	1989-90	49552	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.

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

Information	[Type= continuous] [Format=numeric] [Range= 0-9878] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=410.622 /-] [StdDev=1162.283 /-]
Literal question	NIC-87(9) Frame Industry code of Sample - 1

#9 Itm14: Dummy State Code

Information	[Type= continuous] [Format=numeric] [Range= 1-28] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=12.068 /-] [StdDev=7.204 /-]

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#9 Itm14: Dummy State Code

Literal question	Dummy State Code
Notes	No explanation for this data item available. Therefore original State code be used for processing.

#10 Itm15: Region Code

Information	[Type= continuous] [Format=numeric] [Range= 0-2621] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=52.913 /-] [StdDev=89.402 /-]
Literal question	Region Code

#11 Itm16: Ownership Code

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=5.69 /-]
Literal question	Type of ownership (code)

Value	Label	Cases	Percentage
1	Wholly Central Government	802	1.6%
2	Wholly State and/or Local Government	1944	3.9%
3	Central Government and State and/or Local Government jointly	480	1.0%
4	Joint Sector Public	621	1.3%
5	Joint Sector Private	884	1.8%
6	Wholly private Ownership	44815	90.4%
7	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.

#12 Itm17: Organisation Code

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=3.413 /-]
Literal question	Type of Organisation (code)

Value	Label	Cases	Percentage
1	Individual Proprietorship	8377	16.9%
2	Joint family (HUF)	3653	7.4%
3	Partnership : Others	18703	37.7%
4	Public Limited Company	5623	11.3%
5	Private Limited Company	9000	18.2%
6	Government departmental enterprises	1542	3.1%
7	Public Corporation by special Act of Parliament or State Legislature	936	1.9%
8	Co-Operative Society	1433	2.9%
9	Others (including trusts, wakf, boards etc.)	285	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.

#13 Itm18: Management Code

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=2.869 /-]
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.

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#13 Itm18: Management Code

Value	Label	Cases	Percentage
0	NR	6	0.0%
1	Government/Government Institutions	2370	4.8%
2	Private enterprise whose management has been taken over by the Government	1726	3.5%
3	Others	45448	91.7%
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=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-]
Literal question	Type of management (code)

Value	Label	Cases	Percentage
1	100 or more workers	13096	26.4%
2	Complete Enumeration	8028	16.2%
3	Electricity	180	0.4%
4	Sample I	5065	10.2%
5	Sample II	22494	45.4%
6	B & C 100 or more workers	319	0.6%
7	B & C–CE	27	0.1%
8	B & C Sample I	30	0.1%
9	B & C Sample II	313	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 Itm20: District Code

Information	[Type= continuous] [Format=numeric] [Range= 1-63] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=11.308 /-] [StdDev=10.531 /-]
Literal question	District Code

#16 Itm21: Block Code

Information	[Type= discrete] [Format=numeric] [Range= 0-99] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=0 /-] [StdDev=0 /-]
Literal question	Block Code
Notes	Block code value is 0 not provided

Value	Label	Cases	Percentage
0	0	49552	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.

#17 Itm22: Serial No. as given in Schedules

Information	[Type= continuous] [Format=numeric] [Range= 100-90457] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=11840.145 /-] [StdDev=1777.041 /-]
Literal question	Serial No. as given in Schedules

#18 Itm23: Permanent Serial No

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

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#18 Itm23: Permanent Serial No

Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=11886.167 /-] [StdDev=4954.474 /-]
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= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1.807 /-]
Literal question	Location Code
Notes	Location code not known - coded as its value

Value	Label	Cases	Percentage
0	NR	11	0.0%
1	1	15249	30.8%
2	2	28649	57.8%
3	3	5633	11.4%
9	Invalid	10	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= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1.711 /-]
Literal question	Location Code
Notes	Area code not known-coded as its value. May be Rural and Urban

Value	Label	Cases	Percentage
0	NR	10	0.0%
1	1	14906	30.1%
2	2	34553	69.7%
9	Invalid	83	0.2%

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=49552 /-] [Invalid=0 /-] [Mean=1968.02 /-] [StdDev=99.417 /-]
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=49552 /-] [Invalid=0 /-]
Literal question	Year of Initial Production Code

Value	Label	Cases	Percentage
1	Upto 1950	4005	8.1%
2	1951-1955	1237	2.5%
3	1956-1960	2299	4.6%

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#22 Itm27: Year of Initial Production Code

Value	Label	Cases	Percentage
4	1961-1965	3580	7.2%
5	1966-1970	4087	8.2%
6	1971-1975	6399	12.9%
7	1976-1980	8574	17.3%
8	1981 On wards	19276	38.9%
9	NR	95	0.2%

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=49552 /-] [Invalid=0 /-] [Mean=0.0627 /-]
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	46549	93.9%
1	Closed	2990	6.0%
9	Invalid	13	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.

#24 Itm29: Power Code

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-]
Literal question	Type of power used (code)

Value	Label	Cases	Percentage
0	NR	7	0.0%
1	Electricity	42500	85.8%
2	Steam	669	1.4%
3	Diesel	544	1.1%
4	Others	454	0.9%
5	No motive power	2488	5.0%
6	Closed factory	2890	5.8%

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 Itm35: No. of Factories

Information	[Type= continuous] [Format=numeric] [Range= 1-843] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1.155 /-] [StdDev=5.36 /-]
Literal question	No. of Factories

#26 Itm38: Fixed Capital (Opening)

Information	[Type= continuous] [Format=numeric] [Range= 0-105917496862] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=18323136.427 /-] [StdDev=482359877.272 /-]
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.

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#26 Itm38: Fixed Capital (Opening)

Literal question	Fixed Capital (Opening)

#27 Itm39: Fixed Capital (Closing)

Information	[Type= continuous] [Format=numeric] [Range= 0-112195782060] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=20578664.35 /-] [StdDev=549066423.385 /-]
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)

#28 Itm40: Month of A/C year

Information	[Type= continuous] [Format=numeric] [Range= 0-0] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=0 /-] [StdDev=0 /-]
Literal question	Months of A/C Year

#29 Itm41: Total Rent

Information	[Type= continuous] [Format=numeric] [Range= -12819981-906131872] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=124259.114 /-] [StdDev=2756144.912 /-]
Literal question	Total Rent

#30 Itm42: Gross Value of Plant & Machinery

Information	[Type= continuous] [Format=numeric] [Range= 0-350700239510] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=20233922.594 /-] [StdDev=408383638.979 /-]
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

#31 Itm43: Total Inventory (Opening)

Information	[Type= continuous] [Format=numeric] [Range= 0-18473277000] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=8042493.743 /-] [StdDev=77787593.084 /-]
Literal question	Total Inventory (Opening)

#32 Itm44: Total Inventory (Closing)

Information	[Type= continuous] [Format=numeric] [Range= -5561433-15613888000] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=9344945.722 /-] [StdDev=90401060.217 /-]
Literal question	Total Inventory (Closing)

#33 Itm45: Working Capital (Opening)

Information	[Type= continuous] [Format=numeric] [Range= -35583630669-21142146134] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=5114198.794 /-] [StdDev=91736847.085 /-]
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.

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#33 Itm45: Working Capital (Opening)

Literal question	Working Capital (Opening)

#34 Itm46: Working Capital (Closing)

Information	[Type= continuous] [Format=numeric] [Range= -21041893000-24119667675] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=6090577.223 /-] [StdDev=130829809.268 /-]
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)

#35 Itm47: Outstanding Loans (Opening)

Information	[Type= continuous] [Format=numeric] [Range= -9449121-108574980866] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=17601395.443 /-] [StdDev=652202842.686 /-]
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.

#36 Itm48: Outstanding Loans (Closing)

Information	[Type= continuous] [Format=numeric] [Range= -52664239-116778956583] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=15941809.426 /-] [StdDev=475565073.765 /-]
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.

#37 Itm49: Mandays Employees

Information	[Type= continuous] [Format=numeric] [Range= 0-55633813] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=43420.717 /-] [StdDev=437901.732 /-]
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

#38 Itm50: Workers (Nos.)

Information	[Type= continuous] [Format=numeric] [Range= 0-133974] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=104.678 /-] [StdDev=883.945 /-]
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.

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#38 Itm50: Workers (Nos.)

Literal question	Workers (Nos.)

#39 Itm51: Total Persons Engaged

Information	[Type= continuous] [Format=numeric] [Range= 0-152421] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=136.997 /-] [StdDev=1220.782 /-]
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

#40 Itm52: Wages to Workers

Information	[Type= continuous] [Format=numeric] [Range= 0-4658037891] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1992612.256 /-] [StdDev=25557282.315 /-]
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

#41 Itm53: Salaries to Employees

Information	[Type= continuous] [Format=numeric] [Range= 0-6382433400] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=3126361.071 /-] [StdDev=41167349.608 /-]
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

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#42 Itm54: Bonus to Employees

Information	[Type= continuous] [Format=numeric] [Range= 0-1286460000] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=248405.618 /-] [StdDev=2581413.327 /-]
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

#43 Itm56: Total value of Benefits

Information	[Type= continuous] [Format=numeric] [Range= -2250498-1384685671] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=617687.837 /-] [StdDev=7579183.469 /-]
Literal question	Total value of Benefits

#44 Itm57: Fuels Consumed

Information	[Type= continuous] [Format=numeric] [Range= 0-18794180501] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=3359085.371 /-] [StdDev=67212893.179 /-]
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

#45 Itm58: Material Consumed

Information	[Type= continuous] [Format=numeric] [Range= 0-31322031839] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=24302341.039 /-] [StdDev=222848982.163 /-]
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

#46 Itm59: Other Expenditure

Information	[Type= continuous] [Format=numeric] [Range= 0-4974913471] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=2862171.343 /-] [StdDev=30273553.095 /-]
Literal question	Other Expenditure

#47 Itm61: Total Input

Information	[Type= continuous] [Format=numeric] [Range= -2884629-34386600601] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=30534447.42 /-] [StdDev=276241771.122 /-]
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

#48 Itm62: Interest

Information	[Type= continuous] [Format=numeric] [Range= -8800638-11706092877] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=2231060.856 /-] [StdDev=46797915.568 /-]

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#48 Itm62: Interest

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

#49 Itm63: Receipts from Services rendered to others

Information	[Type= continuous] [Format=numeric] [Range= -10512391-15199480100] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=2104765.17 /-] [StdDev=39198214.707 /-]
Literal question	Receipts from Services rendered to others

#50 Itm64: Product

Information	[Type= continuous] [Format=numeric] [Range= -471396578-61594854625] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=37518578.841 /-] [StdDev=353513958.005 /-]
Literal question	Product

#51 Itm65: Other Output/receipts

Information	[Type= continuous] [Format=numeric] [Range= -485435519-23124471352] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=2754606.507 /-] [StdDev=49128865.355 /-]
Literal question	Other Output/receipts

#52 Itm66: Total Output

Information	[Type= continuous] [Format=numeric] [Range= -467498385-64578946291] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=39872790.072 /-] [StdDev=374149322.073 /-]
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

#53 Itm67: Depreciation

Information	[Type= continuous] [Format=numeric] [Range= -1124982-6949401203] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1586516.813 /-] [StdDev=23277640.985 /-]
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

#54 Itm68: Value Added

Information	[Type= continuous] [Format=numeric] [Range= -1733867697-23242944487] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=7751825.837 /-] [StdDev=98155229.178 /-]
Definition	NET VALUE ADDED is arrived by deducting total input and depreciation from total output.
Literal question	Value Added

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

Information	[Type= continuous] [Format=numeric] [Range= 0-7085200000] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=4524154.707 /-] [StdDev=52580468.951 /-]
Literal question	Stock Of Material fuels Stores etc. (Opening)

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

Information	[Type= continuous] [Format=numeric] [Range= 0-7836714445] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=5240826.149 /-] [StdDev=60644445.146 /-]
Literal question	Stock Of Materials fuels Stores etc. (Closing)

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

Information	[Type= continuous] [Format=numeric] [Range= -4630-1680585529] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1124941.549 /-] [StdDev=14338603.886 /-]
Literal question	Stock Of Semi-Finished Goods (Opening)

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

Information	[Type= continuous] [Format=numeric] [Range= 0-1637075376] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1314801.895 /-] [StdDev=16355859.555 /-]
Literal question	Stock Of Semi-Finished Goods (Closing)

#59 Itm73: Stock Of Finished Goods (Opening)

Information	[Type= continuous] [Format=numeric] [Range= -34000-11388077000] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=2418444.991 /-] [StdDev=23967581.828 /-]
Literal question	Stock Of Finished Goods (Opening)

#60 Itm74: Stock Of Finished Goods (Closing)

Information	[Type= continuous] [Format=numeric] [Range= 0-9398313000] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=2753417.54 /-] [StdDev=26643585.894 /-]
Literal question	Stock Of Finished Goods (Closing)

#61 Itm76: All Workers Mandays

Information	[Type= continuous] [Format=numeric] [Range= 0-48900510] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=33173.934 /-] [StdDev=315132.313 /-]
Literal question	All Workers Mandays

#62 Itm77: Bonus Paid to Workers

Information	[Type= continuous] [Format=numeric] [Range= 0-302230254] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=159765.006 /-] [StdDev=1665877.387 /-]
Literal question	Bonus Paid to Workers

#63 Itm78: All Employees (Nos.)

Information	[Type= continuous] [Format=numeric] [Range= 0-152421] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=135.92 /-] [StdDev=1220.844 /-]
Literal question	All Employees (Nos.)

#64 Itm80: Labour Cost

Information	[Type= continuous] [Format=numeric] [Range= -16866-777624227] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=3988.624 /-] [StdDev=50193.59 /-]
Literal question	Labour Cost

#65 Itm81: Contribution to Provident & Other Funds

Information	[Type= continuous] [Format=numeric] [Range= 0-1257100128] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=362694.897 /-] [StdDev=5418088.836 /-]

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#65 Itm81: Contribution to Provident & Other Funds

Literal question	Contribution to Provident & Other Funds

#66 Itm84: Workmen and Staff Welfare Expenses

Information	[Type= continuous] [Format=numeric] [Range= -62707-1032982555] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=247279.166 /-] [StdDev=2954942.622 /-]
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

#67 Itm86: Invested Capital

Information	[Type= continuous] [Format=numeric] [Range= -3035709-116743083375] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=29923610.072 /-] [StdDev=607452193.774 /-]
Literal question	Invested Capital

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

Information	[Type= continuous] [Format=numeric] [Range= 0-4672421085] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=2152377.263 /-] [StdDev=27016732.073 /-]
Literal question	Wages to Workers (Including Bonus to Workers)

#69 Itm88: Total Emoluments

Information	[Type= continuous] [Format=numeric] [Range= 0-6526266667] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=3374766.69 /-] [StdDev=43436316.873 /-]
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

#70 Itm89: Other Input

Information	[Type= continuous] [Format=numeric] [Range= 0-4974913471] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=2862171.343 /-] [StdDev=30273553.095 /-]
Literal question	Other Input

#71 Itm90: Net Income

Information	[Type= continuous] [Format=numeric] [Range= -3352291852-14734719762] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=5396505.866 /-] [StdDev=71519370.727 /-]
Literal question	Net Income

#72 Itm91: Value of addition to Fixed Capital

Information	[Type= continuous] [Format=numeric] [Range= -2859389000-2737022000] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1302451.979 /-] [StdDev=21808214.804 /-]
Literal question	Value of addition to Fixed Capital

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

Information	[Type= continuous] [Format=numeric] [Range= -515534000-771320000] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=188056.069 /-] [StdDev=4726821.46 /-]
Literal question	Variation in Stock of Semi-Finished Goods

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#74 Itm93: Profits

Information	[Type= continuous] [Format=numeric] [Range= -7736719940-13632521063] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1411765.108 /-] [StdDev=60278971.557 /-]
Literal question	Profits

#75 Itm94: Gross Fixed Capital

Information	[Type= continuous] [Format=numeric] [Range= -4070008000-33435963311] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=3842044.737 /-] [StdDev=100888020.887 /-]
Literal question	Gross Fixed Capital

#76 Itm95: Addition in Stock of Materials

Information	[Type= continuous] [Format=numeric] [Range= -1312827367-7144671594] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=716671.441 /-] [StdDev=14581566.14 /-]
Literal question	Addition in Stock of Materials

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

Information	[Type= continuous] [Format=numeric] [Range= -515534000-771320000] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=189860.347 /-] [StdDev=4780963.343 /-]
Literal question	Addition in Stock of Materials (Semi-Finished Goods)

#78 Itm97: Addition in Stock of Finished Goods

Information	[Type= continuous] [Format=numeric] [Range= -1989764000-1615554000] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=334972.549 /-] [StdDev=9024975.189 /-]
Literal question	Addition in Stock of Finished Goods

#79 Itm98: Gross Capital Formation

Information	[Type= continuous] [Format=numeric] [Range= -4355459000-33892628992] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=5083549.075 /-] [StdDev=109192680.294 /-]
Literal question	Gross Capital Formation

#80 Itm100: Productive Capital

Information	[Type= continuous] [Format=numeric] [Range= -10221739000-133313562398] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=26669241.573 /-] [StdDev=621859517.667 /-]
Literal question	Productive Capital

#81 Itm101: Own Construction

Information	[Type= continuous] [Format=numeric] [Range= -1209143-13075755464] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=210534.93 /-] [StdDev=15762190.347 /-]
Literal question	Own Construction

#82 Itm102: Gross Sale value

Information	[Type= continuous] [Format=numeric] [Range= 0-61594951025] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=41376610.442 /-] [StdDev=384460791.641 /-]
Literal question	Gross Sale value

#83 Itm103: Quantity of Electricity Purchased

Information	[Type= continuous] [Format=numeric] [Range= 0-2748853800] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1224443.101 /-] [StdDev=19960947.805 /-]

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#83 Itm103: Quantity of Electricity Purchased

Literal question	Quantity of Electricity Purchased

#84 Itm104: Distributive Expenses

Information	[Type= continuous] [Format=numeric] [Range= -6861-11553168568] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=4593399.427 /-] [StdDev=64556965.856 /-]
Literal question	Distributive Expenses

#85 Itm105: Value of Electricity Sold

Information	[Type= continuous] [Format=numeric] [Range= -359520-1050249548] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=47026.532 /-] [StdDev=3797042.455 /-]
Literal question	Value of Electricity Sold

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

Information	[Type= continuous] [Format=numeric] [Range= 0-7746012548] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=363130.717 /-] [StdDev=17612735.106 /-]
Literal question	Quantity of Electricity Produced (K.W.H.)

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

Information	[Type= continuous] [Format=numeric] [Range= 0-6948589989] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=35463.394 /-] [StdDev=3226152.96 /-]
Literal question	Quantity of Electricity Sold (K.W.H.)

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

Information	[Type= continuous] [Format=numeric] [Range= -9062342-2748853800] [Missing=*]
Statistics [NW/ W]	[Valid=49552 /-] [Invalid=0 /-] [Mean=1552110.424 /-] [StdDev=26212395.349 /-]
Literal question	Quantity of Electricity Consumed (K.W.H.)

Documentation

Reports and analytical documents

IHSN Report ASI Summary 1989-90

ASI Time Series On principal Characteristics, "DOCUMENTS\asi_result_Time series.pdf"

Technical documents

ASI Summary 1989-90- Record Layout, "DOCUMENTS\SUM8990M.pdf"

State Code List, "DOCUMENTS\ASISTATE_CODES.pdf"

Code List, "DOCUMENTS\ASICODES1988_89_to_(1994_95).pdf"

National Industrial Classification NIC 1987, "DOCUMENTS\NIC 87.pdf"

National Industrial Classification NIC 1970, "DOCUMENTS\NIC 70 Final.pdf"

Concordance Table between 1970 and 1987, "DOCUMENTS\CONV7087.pdf"

Note on NIC, "DOCUMENTS\NOTE_FOR_NIC.doc"