India

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

Annual Survey of Industries Summary 1987-88

July 20, 2012

Metadata Production

Metadata Producer(s)	Computer Centre (MOSPI, CC) , Ministry of Statistics and P I , Documentation of the study
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India (1988-1989)
Annual Survey of Industries Summary 1987-88 (ASI SUMMARY 1987-88)

Overview

Type	Industrial Statistics (Organised Manufacturing & Labour Sector) Survey
Identification	IND-CSO-ASI-SUMMARY-87-88
Version	Production Date: 2012-07-20 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 1987-88 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 1987-88

Weighting
In the record layout, it is mentioned that "No Multiplier data field has been created during the Merge file creation and Layout shows no Multiplier Field". However, there is Multiplier field on the Layout which should not be used.

Data set is already inflated with multiplier.

Data Collection

Data Collection Dates	start 1988-07-01 end 1989-06-30
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 1988-89 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 1988-89.
Record Layout of the merged file is provided.

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.gov.in , pc.mohanan@nic.in DDG CSO(IS Wing),Kolkata (Ministry of Statistics and P.I) , mospi.gov.in , cso_isw@yahoo.co.in
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| | 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 1987-88, 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.

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Files Description

Dataset contains 1 file(s)

ASI_Summary_87_88	
# Cases	46573
# Variable(s)	99

File Content

ASI SUMMARY 1987-88 : 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 1987-88.

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 in layout have been deleted from the data set.

Producer
CSO(IS Wing)

Variables List

Dataset contains 99 variable(s)

File ASI_Summary_87_88

#	Name	Label	Type	Format	Valid	Invalid	Question
1	Part_CD	Part Code	discrete	numeric-1.0	46573	0	Part Code
2	State	State Code	discrete	numeric-2.0	46573	0	State Code
3	S_No	Running Serial No	continuous	numeric-5.0	46573	0	-
4	IND_CD	NIC-70(1) Original NIC70	continuous	numeric-4.0	46573	0	National Industrial Classification NIC 87 code
5	Itm10	NIC87	continuous	numeric-4.0	46573	0	-
6	Itm12	Year of Survey	discrete	numeric-4.0	46573	0	Year of Survey
7	WGT	Multiplier	continuous	numeric-4.2	46573	0	Multiplier
8	Itm14	Dummy State Code	continuous	numeric-2.0	46573	0	Dummy State Code
9	Itm15	Region Code	continuous	numeric-2.0	46573	0	Region Code
10	Itm16	Ownership Code	discrete	numeric-1.0	46573	0	Type of ownership (code)
11	Itm17	Organisation Code	discrete	numeric-1.0	46573	0	Type of Organisation (code)
12	Itm18	Management Code	discrete	numeric-1.0	46573	0	Type of Management Code
13	Itm19	Scheme Code	discrete	numeric-1.0	46573	0	Type of Scheme code
14	Itm20	District Code	continuous	numeric-2.0	46573	0	District Code
15	Itm21	Block Code	continuous	numeric-2.0	46573	0	Block Code
16	Itm22	Serial No. as given in Schedules	continuous	numeric-5.0	46573	0	Serial No. as given in Schedules
17	Itm23	Permanent Serial No	continuous	numeric-5.0	46573	0	Permanent Serial No
18	Itm24	Location Code	discrete	numeric-1.0	46573	0	Location Code
19	Itm25	Area Code	discrete	numeric-1.0	46573	0	Location Code
20	Itm26	Year of Initial Production	continuous	numeric-4.0	46573	0	Year of Initial Production
21	Itm27	Year of Initial Production Code	discrete	numeric-1.0	46573	0	Year of Initial Production Code
22	Itm28	Open-Close Code	discrete	numeric-1.0	46573	0	Whether Opened/Closed
23	Itm29	Power Code	discrete	numeric-1.0	46573	0	Type of power used (code)
24	Itm33	Ancillary Code	discrete	numeric-1.0	46573	0	-
25	Itm34	Registered	discrete	numeric-1.0	46535	38	-
26	Itm35	No. of Factories	continuous	numeric-3.0	46573	0	No. of Factories
27	Itm36	Opening Value of Land	continuous	numeric-11.0	46573	0	-
28	Itm37	Closing Value of Land	continuous	numeric-10.0	46573	0	-
29	Itm38	Fixed Capital (Opening)	continuous	numeric-11.0	46573	0	Fixed Capital (Opening)
30	Itm39	Fixed Capital (Closing)	continuous	numeric-11.0	46573	0	Fixed Capital (Closing)
31	Itm40	Month of A/C year	continuous	numeric-11.0	46573	0	Months of A/C Year
32	Itm41	Total Rent	continuous	numeric-9.0	46573	0	Total Rent
33	Itm42	Gross Value of Plant & Machinery	continuous	numeric-9.0	46573	0	Gross Value of Plant & Machinery

File ASI_Summary_87_88

#	Name	Label	Type	Format	Valid	Invalid	Question
34	Itm43	Total Inventory (Opening)	continuous	numeric-11.0	46573	0	Total Inventory (Opening)
35	Itm44	Total Inventory (Closing)	continuous	numeric-10.0	46573	0	Total Inventory (Closing)
36	Itm45	Working Capital (Opening)	continuous	numeric-11.0	46573	0	Working Capital (Opening)
37	Itm46	Working Capital (Closing)	continuous	numeric-11.0	46573	0	Working Capital (Closing)
38	Itm47	Outstanding Loans (Opening)	continuous	numeric-11.0	46573	0	Outstanding Loans (Opening)
39	Itm48	Outstanding Loans (Closing)	continuous	numeric-11.0	46573	0	Outstanding Loans (Closing)
40	Itm49	Mandays Employees	continuous	numeric-8.0	46573	0	Mandays Employees
41	Itm50	Workers (Nos.)	continuous	numeric-5.0	46573	0	Workers (Nos.)
42	Itm51	Total Persons Engaged	continuous	numeric-11.0	46573	0	Total Persons Engaged
43	Itm52	Wages to Workers	continuous	numeric-10.0	46573	0	Wages to Workers
44	Itm53	Salaries to Employees	continuous	numeric-10.0	46573	0	Salaries to Employees
45	Itm54	Bonus to Employees	continuous	numeric-9.0	46573	0	Bonus to Employees
46	Itm55	Imputed Value of Benefits in kinds	continuous	numeric-8.0	46573	0	-
47	Itm56	Total value of Benefits	continuous	numeric-11.0	46573	0	Total value of Benefits
48	Itm57	Fuels Consumed	continuous	numeric-10.0	46573	0	Fuels Consumed
49	Itm58	Material Consumed	continuous	numeric-11.0	46573	0	Material Consumed
50	Itm59	Industrial Services Purchased	continuous	numeric-10.0	46573	0	Other Expenditure
51	Itm60	Non-industrial Services Purchased	continuous	numeric-9.0	46573	0	-
52	Itm61	Total Input	continuous	numeric-11.0	46573	0	Total Input
53	Itm62	Interest	continuous	numeric-10.0	46573	0	Interest
54	Itm63	Receipts from Services rendered to others	continuous	numeric-11.0	46573	0	Receipts from Services rendered to others
55	Itm64	Product	continuous	numeric-11.0	46573	0	Product
56	Itm65	Other Output/receipts	continuous	numeric-10.0	46573	0	Other Output/receipts
57	Itm66	Total Output	continuous	numeric-11.0	46573	0	Total Output
58	Itm67	Depreciation	continuous	numeric-10.0	46573	0	Depreciation
59	Itm68	Value Added	continuous	numeric-10.0	46573	0	Value Added
60	Itm69	Stock Of Material fuels, Stores etc. (Opening)	continuous	numeric-10.0	46573	0	Stock Of Material fuels Stores etc. (Opening)
61	Itm70	Stock Of Materials fuels, Stores etc. (Closing)	continuous	numeric-10.0	46573	0	Stock Of Materials fuels Stores etc. (Closing)
62	Itm71	Stock Of Semi-Finished Goods (Opening)	continuous	numeric-10.0	46573	0	Stock Of Semi-Finished Goods (Opening)
63	Itm72	Stock Of Semi-Finished Goods (Closing)	continuous	numeric-10.0	46573	0	Stock Of Semi-Finished Goods (Closing)
64	Itm73	Products & By Products (Opening)	continuous	numeric-10.0	46573	0	Products & By products (Opening)

File ASI_Summary_87_88

#	Name	Label	Type	Format	Valid	Invalid	Question
65	Itm74	Products & By products (Closing)	continuous	numeric-10.0	46573	0	Products & By products (Closing)
66	Itm75	No. of Working Days	continuous	numeric-1.0	46573	0	No. of Working Days
67	Itm76	All Workers Mandays	continuous	numeric-8.0	46573	0	All Workers Mandays
68	Itm77	Bonus Paid to Workers	continuous	numeric-9.0	46573	0	Bonus Paid to Workers
69	Itm78	All Employees (Nos.)	continuous	numeric-5.0	46573	0	All Employees (Nos.)
70	Itm79	Bonus paid to employees	continuous	numeric-9.0	46573	0	Bonus paid to employees
71	Itm80	Employees Contribution to Old age benefits	continuous	numeric-6.0	46573	0	Employees Contribution to Old age benefits
72	Itm81	Employees Contribution to other benefits	continuous	numeric-8.0	46573	0	Employees Contribution to other benefits (other social security charges)
73	Itm83	Direct exp. maternity benefits etc.	continuous	numeric-7.0	46573	0	Direct exp. maternity benefits etc.
74	Itm84	Other Group benefits	continuous	numeric-9.0	46573	0	Other Group benefits
75	Itm85	Rent other than use of Land	continuous	numeric-1.0	46573	0	Rent other than use of Land
76	Itm86	Invested Capital	continuous	numeric-11.0	46573	0	Invested Capital
77	Itm87	Wages to Workers (Including Bonus to Workers)	continuous	numeric-10.0	46573	0	Wages to Workers (Including Bonus to Workers)
78	Itm88	Total Emoluments	continuous	numeric-10.0	46573	0	Total Emoluments
79	Itm89	Other Input	continuous	numeric-10.0	46573	0	Other Input
80	Itm90	Net Income	continuous	numeric-11.0	46573	0	Net Income
81	Itm91	Value of addition to Fixed Capital	continuous	numeric-12.0	46573	0	Value of addition to Fixed Capital
82	Itm92	Variation in Stock of Semi-Finished Goods	continuous	numeric-11.0	46573	0	Variation in Stock of Semi-Finished Goods
83	Itm93	Profits	continuous	numeric-11.0	46573	0	Profits
84	Itm94	Gross Fixed Capital	continuous	numeric-11.0	46573	0	Gross Fixed Capital
85	Itm95	Addition in Stock of Materials	continuous	numeric-10.0	46573	0	Addition in Stock of Materials
86	Itm96	Addition in Stock of Materials (Semi-Finished Goods)	continuous	numeric-10.0	46573	0	Addition in Stock of Materials (Semi-Finished Goods)
87	Itm97	Addition in Stock of Finished Goods	continuous	numeric-10.0	46573	0	Addition in Stock of Finished Goods
88	Itm98	Gross Capital Formation	continuous	numeric-11.0	46573	0	Gross Capital Formation
89	Itm99	Other employees benefits	continuous	numeric-9.0	46573	0	Other employees benefits
90	Itm100	Productive Capital	continuous	numeric-11.0	46573	0	Productive Capital
91	Itm101	Own Construction	continuous	numeric-10.0	46573	0	Own Construction
92	Itm102	Gross Sale value	continuous	numeric-11.0	46573	0	Gross Sale value
93	Itm103	Quantity of Electricity Purchased	continuous	numeric-10.0	46573	0	Quantity of Electricity Purchased
94	Itm104	Distributive Expenses	continuous	numeric-10.0	46573	0	Distributive Expenses

File ASI_Summary_87_88

#	Name	Label	Type	Format	Valid	Invalid	Question
95	Itm105	Value of Electricity Sold	continuous	numeric-9.0	46573	0	Value of Electricity Sold
96	Itm106	Quantity of Electricity Produced (K.W.H.)	continuous	numeric-9.0	46573	0	Quantity of Electricity Produced (K.W.H.)
97	Itm107	Quantity of Electricity Sold (K.W.H.)	continuous	numeric-9.0	46573	0	Quantity of Electricity Sold (K.W.H.)
98	Itm108	Quantity of Electricity Consumed (K.W.H.)	continuous	numeric-10.0	46573	0	Quantity of Electricity Consumed (K.W.H.)
99	Itm109	Filler	continuous	numeric-2.0	46573	0	-

Variables Description

Dataset contains99 variable(s)

File ASI_Summary_87_88

#1 Part_CD: Part Code

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1 /-]
Literal question	Part Code

Value	Label	Cases	Percentage
1	Delhi	46573	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.

#2 State: State Code

Information	[Type= discrete] [Format=numeric] [Range= 2-33] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-]
Literal question	State Code

Value	Label	Cases	Percentage
11	RAJASTHAN	1585	3.4%
12	PUNJAB	2565	5.5%
13	JAMMU & KASHMIR	369	0.8%
14	HARYANA	1577	3.4%
15	HIMACHAL PRADESH	226	0.5%
16	DELHI	1457	3.1%
17	CHANDIGARH	256	0.5%
21	UTTAR PRADESH	4821	10.4%
22	MADHYA PRADESH	1726	3.7%
27	DADRA AND NAGAR HAVELI	0	0.0%
31	BIHAR	1675	3.6%
32	ORISSA	869	1.9%
33	WEST BENGAL	2604	5.6%
34	ASSAM	884	1.9%
35	MANIPUR	45	0.1%
36	TRIPURA	247	0.5%
37	NAGALAND	0	0.0%
38	MEGHALAYA	30	0.1%
39	ARUNCHAL PRADESH	0	0.0%
41	ANDHRA PRADESH	4148	8.9%
42	TAMIL NADU	5641	12.1%
43	KERALA	1641	3.5%
44	PONDICHERRY	174	0.4%
45	ANDAMAN AND NICOBAR ISLANDS	52	0.1%
51	GUJARAT	4683	10.1%
52	MAHARASHTRA	6303	13.5%
53	KARNATAKA	2773	6.0%
54	DAMAN & DIU	222	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.

File ASI_Summary_87_88

#3 S_No: Running Serial No

Information	[Type= continuous] [Format=numeric] [Range= 0-90004] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=33473.046 /-] [StdDev=32279.441 /-]

#4 IND_CD: NIC-70(1) Original NIC70

Information	[Type= continuous] [Format=numeric] [Range= 2001-9790] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=3148.598 /-] [StdDev=1343.966 /-]
Literal question	National Industrial Classification NIC 87 code

#5 Itm10: NIC87

Information	[Type= continuous] [Format=numeric] [Range= 0-9798] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=3115.115 /-] [StdDev=1271.921 /-]

#6 Itm12: Year of Survey

Information	[Type= discrete] [Format=numeric] [Range= 8788-9495] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-]
Literal question	Year of Survey

Value	Label	Cases	Percentage	
8788	1987-88	46573		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.

#7 WGT: Multiplier

Information	[Type= continuous] [Format=numeric] [Range= 0-9.9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=3.81 /-] [StdDev=2.644 /-]
Literal question	Multiplier
Notes	In the record layout, it is mentioned that "No Multiplier data field has been created during the Merge file creation and Layout shows no Multiplier Field". However, there is Multiplier field on the Layout which should not be used. Data set is already inflated with multiplier.

#8 Itm14: Dummy State Code

Information	[Type= continuous] [Format=numeric] [Range= 1-28] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=11.992 /-] [StdDev=7.159 /-]
Literal question	Dummy State Code
Notes	No explanation for this data item available. Therefore original State code be used for processing.

#9 Itm15: Region Code

Information	[Type= continuous] [Format=numeric] [Range= 0-2621] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=11.08 /-] [StdDev=14.67 /-]
Literal question	Region Code

#10 Itm16: Ownership Code

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=2.999 /-]
Literal question	Type of ownership (code)
Notes	Invalid cases may be treated as NR.

Value	Label	Cases	Percentage
1	Wholly Central Government	760	1.6%

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#10 Itm16: Ownership Code

Value	Label	Cases	Percentage
2	Wholly State and/or Local Government	2213	4.8%
3	Central Government and State and/or Local Government jointly	42051	90.3%
4	Joint Sector Public	190	0.4%
5	Joint Sector Private	615	1.3%
6	Wholly private Ownership	718	1.5%
7	Invalid	26	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.

#11 Itm17: Organisation Code

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=3.259 /-]
Literal question	Type of Organisation (code)
Notes	Invalid cases may be treated as NR.

Value	Label	Cases	Percentage
1	Individual Proprietorship	7370	15.8%
2	Partnership : Joint family	8536	18.3%
3	Partnership : Others	14259	30.6%
4	Public Limited Company	4723	10.1%
5	Private Limited Company	8190	17.6%
6	Public Corporations	991	2.1%
7	Co-Operative Society	1269	2.7%
8	Others	1203	2.6%
9	Invalid	32	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.

#12 Itm18: Management Code

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=2.004 /-]
Literal question	Type of Management 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
0	NR	13	0.0%
1	Private enterprise whose management has been taken over by the Government.	432	0.9%
2	Others	46037	98.8%
9	Invalid	91	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.

#13 Itm19: Scheme Code

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-]
Literal question	Type of Scheme code
Notes	The scheme code provided in the Code list is 1 - Census 2-Sample.

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#13 Itm19: Scheme Code

	However, most of the cases match with code of ASI 1988-89. Therefore it is coded as with the same code list. No explanation is availbale on this.

Value	Label	Cases	Percentage
0	NR	153	0.3%
1	100 or more workers	11250	24.2%
2	Complete Enumeration	7414	15.9%
3	Electricity	5934	12.7%
4	Sample I	21817	46.8%
5	Sample II	3	0.0%
6	B & C 100 or more workers	0	0.0%
7	B & C–CE	1	0.0%
8	B & C Sample I	0	0.0%
9	B & C Sample II	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.

#14 Itm20: District Code

Information	[Type= continuous] [Format=numeric] [Range= 1-63] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=10.592 /-] [StdDev=9.707 /-]
Literal question	District Code
Notes	District code not provided declared as scale.

#15 Itm21: Block Code

Information	[Type= continuous] [Format=numeric] [Range= 0-99] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=2.965 /-] [StdDev=6.465 /-]
Literal question	Block Code
Notes	Block code value is 0 not provided

#16 Itm22: Serial No. as given in Schedules

Information	[Type= continuous] [Format=numeric] [Range= 100-90457] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=11573.874 /-] [StdDev=2760.334 /-]
Literal question	Serial No. as given in Schedules

#17 Itm23: Permanent Serial No

Information	[Type= continuous] [Format=numeric] [Range= 0-99212] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=11352.95 /-] [StdDev=1116.041 /-]
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.

#18 Itm24: Location Code

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1.839 /-]
Literal question	Location Code
Notes	Location code not known - coded as its value

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#18 Itm24: Location Code

Value	Label	Cases	Percentage
0	NR	92	0.2%
1	1	13467	28.9%
2	2	27175	58.3%
3	3	5786	12.4%
9	Invalid	53	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.

#19 Itm25: Area Code

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1.693 /-]
Literal question	Location Code
Notes	Area code not known-coded as its value. May be Rural and Urban

Value	Label	Cases	Percentage
0	NR	32	0.1%
1	1	14447	31.0%
2	2	32016	68.7%
3	3	55	0.1%
9	Invalid	23	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 Itm26: Year of Initial Production

Information	[Type= continuous] [Format=numeric] [Range= 0-9923] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1969.327 /-] [StdDev=328.423 /-]
Literal question	Year of Initial Production

#21 Itm27: Year of Initial Production Code

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-]
Literal question	Year of Initial Production Code

Value	Label	Cases	Percentage
1	Upto 1950	4285	9.2%
2	1951-1955	1351	2.9%
3	1956-1960	2523	5.4%
4	1961-1965	3814	8.2%
5	1966-1970	4447	9.5%
6	1971-1975	6594	14.2%
7	1976-1980	8788	18.9%
8	1981 On wards	14507	31.1%
9	NR	264	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.

#22 Itm28: Open-Close Code

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=0.0749 /-]

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#22 Itm28: Open-Close Code

Literal question	Whether Opened/Closed
Notes	Invalid cases may be treated as NR

Value	Label	Cases	Percentage
0	Open	43155	92.7%
1	Closed	3409	7.3%
9	Invalid	9	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 Itm29: Power Code

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1.62 /-]
Literal question	Type of power used (code)

Value	Label	Cases	Percentage
0	NR	98	0.2%
1	Electricity	39210	84.2%
2	Steam	430	0.9%
3	Diesel	737	1.6%
4	Others	605	1.3%
5	No motive power	2224	4.8%
6	Closed factory	3265	7.0%
9	Valid	4	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 Itm33: Ancillary Code

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1.985 /-]

Value	Label	Cases	Percentage
0	NR	18	0.0%
1	Yes	849	1.8%
2	No	45677	98.1%
9	Invalid	29	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.

#25 Itm34: Registered

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=46535 /-] [Invalid=38 /-] [Mean=2.476 /-]
Notes	Sysmiss Values be may be treated as "NR"

Value	Label	Cases	Percentage
1	Units registered with DGTD	2820	6.1%
2	Units registered with State/UT Director of Industries	30617	65.8%
3	Registered with other agencies like Textile Commissioner, Jute Commissioner etc	1256	2.7%
4	Not registered with agency for receiving assistance	11833	25.4%
9	Invalid	9	0.0%
Sysmiss		38	

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#25 Itm34: Registered

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 Itm35: No. of Factories

Information	[Type= continuous] [Format=numeric] [Range= 1-843] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=2.203 /-] [StdDev=5.522 /-]
Literal question	No. of Factories

#27 Itm36: Opening Value of Land

Information	[Type= continuous] [Format=numeric] [Range= -95763-53219403343] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1854422.131 /-] [StdDev=265635840.52 /-]

#28 Itm37: Closing Value of Land

Information	[Type= continuous] [Format=numeric] [Range= -39000-1111077209] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=292845.44 /-] [StdDev=6744437.722 /-]

#29 Itm38: Fixed Capital (Opening)

Information	[Type= continuous] [Format=numeric] [Range= 0-105917496862] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=15106332.414 /-] [StdDev=409382413.577 /-]
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 (Opening)

#30 Itm39: Fixed Capital (Closing)

Information	[Type= continuous] [Format=numeric] [Range= 0-112195782060] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=16849812.703 /-] [StdDev=448681401.026 /-]
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 Itm40: Month of A/C year

Information	[Type= continuous] [Format=numeric] [Range= 0-0] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1951420.318 /-] [StdDev=304446164.283 /-]
Literal question	Months of A/C Year

#32 Itm41: Total Rent

Information	[Type= continuous] [Format=numeric] [Range= -12819981-906131872] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=96086.957 /-] [StdDev=1120493.265 /-]
Literal question	Total Rent

#33 Itm42: Gross Value of Plant & Machinery

Information	[Type= continuous] [Format=numeric] [Range= 0-350700239510] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=34211.665 /-] [StdDev=2139554.415 /-]
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

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#33 Itm42: Gross Value of Plant & Machinery

	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

#34 Itm43: Total Inventory (Opening)

Information	[Type= continuous] [Format=numeric] [Range= 0-18473277000] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=8976050.575 /-] [StdDev=355741327.13 /-]
Literal question	Total Inventory (Opening)

#35 Itm44: Total Inventory (Closing)

Information	[Type= continuous] [Format=numeric] [Range= -5561433-15613888000] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=7613681.23 /-] [StdDev=76592758.325 /-]
Literal question	Total Inventory (Closing)

#36 Itm45: Working Capital (Opening)

Information	[Type= continuous] [Format=numeric] [Range= -35583630669-21142146134] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=14813179.811 /-] [StdDev=779141983.893 /-]
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)

#37 Itm46: Working Capital (Closing)

Information	[Type= continuous] [Format=numeric] [Range= -21041893000-24119667675] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=5915664.178 /-] [StdDev=96749304.841 /-]
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)

#38 Itm47: Outstanding Loans (Opening)

Information	[Type= continuous] [Format=numeric] [Range= -9449121-108574980866] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=25148483.259 /-] [StdDev=962591575.264 /-]
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.

#39 Itm48: Outstanding Loans (Closing)

Information	[Type= continuous] [Format=numeric] [Range= -52664239-116778956583] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=17056433.519 /-] [StdDev=429799961.082 /-]
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.

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#39 Itm48: Outstanding Loans (Closing)

Literal question	Outstanding Loans (Closing)
Interviewer's instructions	Closing Outstanding loans to be filled.

#40 Itm49: Mandays Employees

Information	[Type= continuous] [Format=numeric] [Range= 0-55633813] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=52086.197 /-] [StdDev=441105.156 /-]
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

#41 Itm50: Workers (Nos.)

Information	[Type= continuous] [Format=numeric] [Range= 0-133974] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=130.157 /-] [StdDev=915.915 /-]
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.)

#42 Itm51: Total Persons Engaged

Information	[Type= continuous] [Format=numeric] [Range= 0-152421] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=644319.752 /-] [StdDev=139012593.327 /-]
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

#43 Itm52: Wages to Workers

Information	[Type= continuous] [Format=numeric] [Range= 0-4658037891] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1766645.74 /-] [StdDev=17883257.722 /-]
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.

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#43 Itm52: Wages to Workers

Literal question	Wages to Workers

#44 Itm53: Salaries to Employees

Information	[Type= continuous] [Format=numeric] [Range= 0-6382433400] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=2705592.258 /-] [StdDev=28571754.415 /-]
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

#45 Itm54: Bonus to Employees

Information	[Type= continuous] [Format=numeric] [Range= 0-1286460000] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=223131.948 /-] [StdDev=2233777.791 /-]
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

#46 Itm55: Imputed Value of Benefits in kinds

Information	[Type= continuous] [Format=numeric] [Range= -973596-70056135] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=94711.401 /-] [StdDev=918327.792 /-]

#47 Itm56: Total value of Benefits

Information	[Type= continuous] [Format=numeric] [Range= -2250498-1384685671] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1994124.866 /-] [StdDev=305149093.958 /-]
Literal question	Total value of Benefits

#48 Itm57: Fuels Consumed

Information	[Type= continuous] [Format=numeric] [Range= 0-18794180501] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=3075793.336 /-] [StdDev=61440448.871 /-]
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

#49 Itm58: Material Consumed

Information	[Type= continuous] [Format=numeric] [Range= 0-31322031839] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=20171133.545 /-] [StdDev=175138460.512 /-]

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#49 Itm58: Material Consumed

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

#50 Itm59: Industrial Services Purchased

Information	[Type= continuous] [Format=numeric] [Range= 0-4974913471] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1580380.579 /-] [StdDev=51348990.649 /-]
Literal question	Other Expenditure

#51 Itm60: Non-industrial Services Purchased

Information	[Type= continuous] [Format=numeric] [Range= 0-477990242] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1148491.676 /-] [StdDev=7669315.145 /-]

#52 Itm61: Total Input

Information	[Type= continuous] [Format=numeric] [Range= -2884629-34386600601] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=25634440.319 /-] [StdDev=217207517.334 /-]
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

#53 Itm62: Interest

Information	[Type= continuous] [Format=numeric] [Range= -8800638-11706092877] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1852159.807 /-] [StdDev=34257699.614 /-]
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

#54 Itm63: Receipts from Services rendered to others

Information	[Type= continuous] [Format=numeric] [Range= -10512391-15199480100] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=2313212.709 /-] [StdDev=263213900.551 /-]
Literal question	Receipts from Services rendered to others

#55 Itm64: Product

Information	[Type= continuous] [Format=numeric] [Range= -471396578-61594854625] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=31026248.093 /-] [StdDev=274519013.147 /-]
Literal question	Product

#56 Itm65: Other Output/receipts

Information	[Type= continuous] [Format=numeric] [Range= -485435519-23124471352] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=2034338.684 /-] [StdDev=26152334.516 /-]
Literal question	Other Output/receipts

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#57 Itm66: Total Output

Information	[Type= continuous] [Format=numeric] [Range= -467498385-64578946291] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=33060586.777 /-] [StdDev=284664559.186 /-]
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

#58 Itm67: Depreciation

Information	[Type= continuous] [Format=numeric] [Range= -1124982-6949401203] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1342450.786 /-] [StdDev=16780132.825 /-]
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

#59 Itm68: Value Added

Information	[Type= continuous] [Format=numeric] [Range= -1733867697-23242944487] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=6083695.673 /-] [StdDev=70621449.445 /-]
Definition	NET VALUE ADDED is arrived by deducting total input and depreciation from total output.
Literal question	Value Added

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

Information	[Type= continuous] [Format=numeric] [Range= 0-7085200000] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=3669369.022 /-] [StdDev=40312872.954 /-]
Literal question	Stock Of Material fuels Stores etc. (Opening)

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

Information	[Type= continuous] [Format=numeric] [Range= 0-7836714445] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=4281226.644 /-] [StdDev=57239214.797 /-]
Literal question	Stock Of Materials fuels Stores etc. (Closing)

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

Information	[Type= continuous] [Format=numeric] [Range= -4630-1680585529] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=993909.582 /-] [StdDev=13226603.684 /-]
Literal question	Stock Of Semi-Finished Goods (Opening)

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

Information	[Type= continuous] [Format=numeric] [Range= 0-1637075376] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1083622.941 /-] [StdDev=13281591.321 /-]
Literal question	Stock Of Semi-Finished Goods (Closing)

#64 Itm73: Products & By Products (Opening)

Information	[Type= continuous] [Format=numeric] [Range= -34000-11388077000] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=2033008.689 /-] [StdDev=21664117.843 /-]
Literal question	Products & By products (Opening)

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#65 Itm74: Products & By products (Closing)

Information	[Type= continuous] [Format=numeric] [Range= 0-9398313000] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=2288830.103 /-] [StdDev=21736973.809 /-]
Literal question	Products & By products (Closing)

#66 Itm75: No. of Working Days

Information	[Type= continuous] [Format=numeric] [Range= 0-0] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=0 /-] [StdDev=0 /-]
Literal question	No. of Working Days

#67 Itm76: All Workers Mandays

Information	[Type= continuous] [Format=numeric] [Range= 0-48900510] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=40177.816 /-] [StdDev=326626.417 /-]
Literal question	All Workers Mandays

#68 Itm77: Bonus Paid to Workers

Information	[Type= continuous] [Format=numeric] [Range= 0-302230254] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=151569.209 /-] [StdDev=1480297.141 /-]
Literal question	Bonus Paid to Workers

#69 Itm78: All Employees (Nos.)

Information	[Type= continuous] [Format=numeric] [Range= 0-152421] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=167.169 /-] [StdDev=1228.34 /-]
Literal question	All Employees (Nos.)

#70 Itm79: Bonus paid to employees

Information	[Type= continuous] [Format=numeric] [Range= 0-159909416] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=222557.906 /-] [StdDev=2232558.668 /-]
Literal question	Bonus paid to employees

#71 Itm80: Employees Contribution to Old age benefits

Information	[Type= continuous] [Format=numeric] [Range= -16866-777624227] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=233.912 /-] [StdDev=3160.268 /-]
Literal question	Employees Contribution to Old age benefits

#72 Itm81: Employees Contribution to other benefits

Information	[Type= continuous] [Format=numeric] [Range= 0-1257100128] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=66267.998 /-] [StdDev=540325.948 /-]
Literal question	Employees Contribution to other benefits (other social security charges)

#73 Itm83: Direct exp. maternity benefits etc.

Information	[Type= continuous] [Format=numeric] [Range= -91065-7073324] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=925.31 /-] [StdDev=48815.243 /-]
Literal question	Direct exp. maternity benefits etc.

#74 Itm84: Other Group benefits

Information	[Type= continuous] [Format=numeric] [Range= -62707-1032982555] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=104772.441 /-] [StdDev=1570137.549 /-]

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#74 Itm84: Other Group benefits

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	Other Group benefits

#75 Itm85: Rent other than use of Land

Information	[Type= continuous] [Format=numeric] [Range= 0-0] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=0 /-] [StdDev=0 /-]
Literal question	Rent other than use of Land

#76 Itm86: Invested Capital

Information	[Type= continuous] [Format=numeric] [Range= -3035709-116743083375] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=24463493.933 /-] [StdDev=499788896.866 /-]
Literal question	Invested Capital

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

Information	[Type= continuous] [Format=numeric] [Range= 0-4672421085] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1918214.949 /-] [StdDev=19232146.135 /-]
Literal question	Wages to Workers (Including Bonus to Workers)

#78 Itm88: Total Emoluments

Information	[Type= continuous] [Format=numeric] [Range= 0-6526266667] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=3023435.607 /-] [StdDev=31168867.484 /-]
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

#79 Itm89: Other Input

Information	[Type= continuous] [Format=numeric] [Range= 0-4974913471] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=2728872.255 /-] [StdDev=53263972.855 /-]
Literal question	Other Input

#80 Itm90: Net Income

Information	[Type= continuous] [Format=numeric] [Range= -3352291852-14734719762] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=4135448.909 /-] [StdDev=48172933.965 /-]
Literal question	Net Income

#81 Itm91: Value of addition to Fixed Capital

Information	[Type= continuous] [Format=numeric] [Range= -2859389000-2737022000] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=-1362369.346 /-] [StdDev=351674663.708 /-]
Literal question	Value of addition to Fixed Capital

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

Information	[Type= continuous] [Format=numeric] [Range= -515534000-771320000] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=4456213.363 /-] [StdDev=570947974.051 /-]
Literal question	Variation in Stock of Semi-Finished Goods

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#83 Itm93: Profits

Information	[Type= continuous] [Format=numeric] [Range= -7736719940-13632521063] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=705862.685 /-] [StdDev=38509718.408 /-]
Literal question	Profits

#84 Itm94: Gross Fixed Capital

Information	[Type= continuous] [Format=numeric] [Range= -4070008000-33435963311] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=3085931.075 /-] [StdDev=75231627.999 /-]
Literal question	Gross Fixed Capital

#85 Itm95: Addition in Stock of Materials

Information	[Type= continuous] [Format=numeric] [Range= -1312827367-7144671594] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=611857.622 /-] [StdDev=32530731.672 /-]
Literal question	Addition in Stock of Materials

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

Information	[Type= continuous] [Format=numeric] [Range= -515534000-771320000] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=89713.359 /-] [StdDev=3981994.215 /-]
Literal question	Addition in Stock of Materials (Semi-Finished Goods)

#87 Itm97: Addition in Stock of Finished Goods

Information	[Type= continuous] [Format=numeric] [Range= -1989764000-1615554000] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=255821.414 /-] [StdDev=7867788.769 /-]
Literal question	Addition in Stock of Finished Goods

#88 Itm98: Gross Capital Formation

Information	[Type= continuous] [Format=numeric] [Range= -4355459000-33892628992] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=4043323.47 /-] [StdDev=89489494.472 /-]
Literal question	Gross Capital Formation

#89 Itm99: Other employees benefits

Information	[Type= continuous] [Format=numeric] [Range= -5665-228678747] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=105697.752 /-] [StdDev=1573410.423 /-]
Literal question	Other employees benefits

#90 Itm100: Productive Capital

Information	[Type= continuous] [Format=numeric] [Range= -10221739000-133313562398] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=22765476.881 /-] [StdDev=514958662.043 /-]
Literal question	Productive Capital

#91 Itm101: Own Construction

Information	[Type= continuous] [Format=numeric] [Range= -1209143-13075755464] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=175836.096 /-] [StdDev=7932856.482 /-]
Literal question	Own Construction

#92 Itm102: Gross Sale value

Information	[Type= continuous] [Format=numeric] [Range= 0-61594951025] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=33975538.285 /-] [StdDev=295331707.078 /-]

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#92 Itm102: Gross Sale value

Literal question	Gross Sale value

#93 Itm103: Quantity of Electricity Purchased

Information	[Type= continuous] [Format=numeric] [Range= 0-2748853800] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1204615.167 /-] [StdDev=17725439.611 /-]
Literal question	Quantity of Electricity Purchased

#94 Itm104: Distributive Expenses

Information	[Type= continuous] [Format=numeric] [Range= -6861-11553168568] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=3470661.061 /-] [StdDev=42054372.078 /-]
Literal question	Distributive Expenses

#95 Itm105: Value of Electricity Sold

Information	[Type= continuous] [Format=numeric] [Range= -359520-1050249548] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=13076.504 /-] [StdDev=1535379.175 /-]
Literal question	Value of Electricity Sold

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

Information	[Type= continuous] [Format=numeric] [Range= 0-7746012548] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=189324.053 /-] [StdDev=5512701.757 /-]
Literal question	Quantity of Electricity Produced (K.W.H.)

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

Information	[Type= continuous] [Format=numeric] [Range= 0-6948589989] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=13227.704 /-] [StdDev=1646057.777 /-]
Literal question	Quantity of Electricity Sold (K.W.H.)

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

Information	[Type= continuous] [Format=numeric] [Range= -9062342-2748853800] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=1380711.517 /-] [StdDev=19338480.758 /-]
Literal question	Quantity of Electricity Consumed (K.W.H.)

#99 Itm109: Filler

Information	[Type= continuous] [Format=numeric] [Range= 1-86] [Missing=*]
Statistics [NW/ W]	[Valid=46573 /-] [Invalid=0 /-] [Mean=10.318 /-] [StdDev=9.5 /-]

Documentation

Reports and analytical documents

ASI Time Series Report, "DOCUMENTS\NIC 87.pdf"

IHSN Report ASI Summary 1987-88

Technical documents

ASI Record Layout Summary 1987-88, "DOCUMENTS\SUM8788M.pdf"

ASI State Code List, "DOCUMENTS\ASISTATE_CODES.pdf"

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Note on NIC, "DOCUMENTS\NOTE_FOR_NIC.doc"

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