India - Annual Survey of Industries 2007-08

Central Statistics Office (Industrial Statistics Wing) - Ministry of Statistics & Programme Implementation

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Overview

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Overview

ABSTRACT
Introduction

The Annual Survey of Industries (ASI) is the principal source of industrial statistics in India. It provides statistical information to assess changes in the growth, composition and structure of organised manufacturing sector comprising activities related to manufacturing processes, repair services, gas and water supply and cold storage. 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
Sample survey data [ssd]

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

KEYWORDS
FIXED CAPITAL, WORKING CAPITAL, EMPLOYEES, WAGES AND SALARIES, TOTAL EMOLUMENTS, FUELS CONSUMED, DEPRECIATION, NET VALUE ADDED, TOTAL INPUT, TOTAL OUTPUT, BLOCK-A (IDENTIFICATION BLOCK FOR OFFICIAL USE), BLOCK-B (TO BE FILLED BY OWNERS), BLOCK-C (FIXED ASSETS), BLOCK-D (WORKING CAPITAL AND LOANS), BLOCK-E (EMPLOYMENT AND LABOUR COST), BLOCK-F (OTHER EXPENSES), BLOCK-G (OTHER OUTPUT/RECEIPTS), BLOCK-H (INPUT ITEMS - Indigenous items consumed), BLOCK-I (INPUT ITEMS - Directly imported items only (consumed)), BLOCK-J (PRODUCTS AND BY-PRODUCTS (Manufactured by the unit))

Coverage

GEOGRAPHIC COVERAGE
National

UNIVERSE
The survey cover factories registered under the Factory Act 1948.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Central Statistics Office (Industrial Statistics Wing)	Ministry of Statistics & Programme Implementation

OTHER PRODUCER(S)

Name	Affiliation	Role
Field Operation Division, NSSO		Data Collection

FUNDING

Name	Abbreviation	Role
Government of India	GOI	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Computer Centre, Ministry of Statistics and P I	MOSPI, CC		
Centre for Global Health Research	CGHR	St. Michael's Hospital; University of Toronto	Metadata Producer

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Sampling

Sampling Procedure

Sampling design adopted from ASI 2004-05 to ASI 2006-07.

i) Units with 100 or more workers will be categorized as census sector and the rest of the units will be treated as sample sector, without any change in the existing criteria;

ii) In the sample sector, the units will be stratified at 4 digit level of NIC-04 in each State separately and 1/5th of the units in each strata will be selected circular systematically for coverage in each ASI subject to a minimum sample size of 6 units in each stratum;

iii) This design will ensure that the whole universe of units is covered in five years;

iv) The classification of the units in the frame into census and sample sectors should be done in the beginning of the 5-year cycle and it should not be disturbed during the course of the cycle;

v) At the end of the cycle when the data on the all the units in the frame become available the frame should be updated and then the composition of census and sample sector should be re-drafted;

vi) In respect of the new units getting registered each year of the last 4 years in the 5-year cycle, a supplementary frame has to be prepared for each year and units for coverage from this supplementary frame of each year may be selected using the same criteria as was applied to the main frame.

A new sampling design was adopted for ASI 2007-08.

For ASI 2007-2008, the Census Sector has been defined as follows:

All industrial units belonging to the five less industrially developed states/ UT's viz. Manipur, Meghalaya, Nagaland, Tripura and Andaman & Nicobar Islands.

For the rest of the twenty-six states/ UT's., (i) units having 100 or more workers, and (ii) all factories covered under Joint Returns.

c) Strata (State by 4-digit of NIC-04) having less than or equal to six units after selecting the Census Sector units as defined above are also selected as census sector.

d) From the remaining merged frame (main frame 2004-05 plus supplementary frame 2005-06 plus supplementary frame 2006-07 plus supplementary frame 2007-08), samples were drawn considering higher allocation for states having relatively higher percentage contribution in sample sector in terms of GVA based on last 2 (two) years' available data. Accordingly, state wise census and sample sector contribution of GVA was calculated based on last two years' available data along with the RSE of GVA estimates in sample sector based on data of ASI 2005-06. In general, sampling fraction of 12% was considered for all the states within a StateXSectorX4-digit NIC with a minimum of 6 units evenly distributed in two sub-samples, except (i) Jammu & Kashmir, Himachal Pradesh, Chandigarh, Madhya Pradesh, Daman & Diu, Dadra & Nagar Haveli, Goa with 20% sampling fraction, (ii) Delhi & Rajasthan with 13% sampling fraction, (iii) Bihar & Pondicherry with 15% sampling fraction due to relatively higher contribution of sample sector to the total GVA and higher RSE.

Deviations from Sample Design

The sampling design has undergone changes in the past on several occasions.

Questionnaires

Overview

Annual Survey of Industries Questionnaire is divided into different blocks:

BLOCK A.IDENTIFICATION BLOCK
BLOCK B. TO BE FILLED BY OWNER OF THE FACTORY
BLOCK C: FIXED ASSETS
BLOCK D: WORKING CAPITAL & LOANS
BLOCK E : EMPLOYMENT AND LABOUR COST
BLOCK F : OTHER EXPENSES
BLOCK G : OTHER INCOMES
BLOCK H: INPUT ITEMS (indigenous items consumed)
BLOCK I: INPUT ITEMS – directly imported items only (consumed)
BLOCK J: PRODUCTS AND BY-PRODUCTS (manufactured by the unit)

Data Collection

Data Collection Dates

Start	End	Cycle
2008-04-01	2009-03-31	N/A

Data Collection Mode

Statutory return submitted by factories

DATA COLLECTION NOTES

Data for the ASI are collected through a comprehensive schedule. In the initial rounds, the schedule sought particulars relating to manufacturing activity only. Over the years, additions were made to meet the specific data requirements of various organisations. By 1973-74, the schedule consisted of five Parts: Part I on manufacturing, Part II on labour turnover, Part III on stocks & consumption of components and accessories in small scale sector, Part IV on construction expenditure and Part V on indirect taxes, sales, subsidies and capacity of power equipments installed. It was felt that the ASI schedule had become too unwieldy and complicated. So a modified schedule with three parts on manufacturing, labour and construction was adopted with effect from ASI 1974-75. Further modifications in the schedule were carried out in 1987-88, and again in 1997-98. Part III schedule relating to construction has been discontinued from 1998-99. The schedule from ASI 2003-04 also incorporated some minor changes.

Data Collectors

Name	Abbreviation	Affiliation
Field Operation Division, NSSO		Ministry of Statistics and Programme Implementation

Data Processing

Data Editing

Data submitted by the factories undergo manual scrutiny at different stages.

1) They are verified by field staff of NSSO from factory records.

2) Verified returns are manually scrutinized by senior level staff before sending to data processing centre.

3) At the data processing centre these are scrutinized before data entry.

4) The entered data are subjected to computer editing and corrections.

5) Tabulated data are checked for anomalies and consistency with previous results.

Other Processing

Scrutinizing officer checks the following points:
1. Examine the Industry Code with reference to production/Process and check whether Industry Code is reported in 5digit NIC 2008 against item 5 of Block A.
2. Checks whether Proper remarks for all important parameters such as GVA, Working Capital, wage rate, number of workers, distributive expenses, depreciation etc. are given.
3. Check basic entries where Output/ Input ratio is less than 0.5.
4. Check Ratio of distributive expenses to gross sales where this ratio exceeds 20%.

Data Appraisal

No content available