

Annual Survey of Industries (ASI)

Item No.	Concept name	Details
1	Contact	
1.1	Contact Organisation	Ministry of Statistics and Programme Implementation (MOSPI).
1.2	Compiling agency	Industrial Statistics Wing (IS Wing), Data Quality Assurance Division (DQAD), National Statistical Office (NSO), MOSPI.
1.3	Contact Details	<p>1) Soumya Chakraborty Deputy Director General (DDG) Ministry of Statistics & Programme Implementation email: soumya.chakraborty@gov.in</p> <p>(h) Tel: 9830919145,033-22481521</p> <p>2)Details of Dissemination agency, DIID Dr Anjana Dube ADG(DIID)</p> <p>Mail: adg.diid@mospi.gov.in Phone: 26107649</p>
2	Statistical Presentation and Description	
2.1	Data description	Annual Survey of Industries broadly covers the manufacturing units in the registered sector. It provides comprehensive information relating to input, output, value added, employment, assets etc. of the registered factories.
2.2	Classification system	<p>National Industrial Classification (NIC) 2008 has been used for classifying economic activities and National Product Classification for Manufacturing Sector (NPCMS) 2015 has been used for product used as raw materials and item produced.</p> <ul style="list-style-type: none"> • Industry-wise • State-wise • Rural-urban • Organisation type
2.3	Sector coverage	The Annual Survey of Industries (ASI) is one of the most important sources of industrial statistics of the registered organized manufacturing sector of the economy. It covers all factories registered under Sections 2m(i) and 2m(ii) of the Factories Act, 1948 i.e. those factories employing 10 or more workers using

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		<p>power; and those employing 20 or more workers without using power.</p> <p>The survey also covers bidi and cigar manufacturing establishments registered under the Bidi & Cigar Workers (Conditions of Employment) Act, 1966 with coverage as above. All electricity undertakings engaged in generation, transmission and distribution of electricity, not registered with the Central Electricity Authority (CEA) are also covered under ASI.</p> <p>The coverage of ASI has been extended beyond the purview of the Section 2m (i) and 2m (ii) of the Factories Act, 1948 and the Bidi & Cigar Workers (Conditions of Employment) Act, 1966. Accordingly, the units with 100 or more employees, not registered under Section 2m (i) and 2m (ii) of the Factories Act, 1948 but registered under any one of the seven Acts in the Business Register of Establishments (BRE) prepared and maintained by the State Governments are considered.</p>
2.4	Statistical concepts and definitions	<p>Fixed Capital, Working Capital, No. of Employees, Wages & Salaries, Fuels Consumed, Depreciation, Gross Value Added, Net Value Added, Total Emoluments, Total Input, Total Output Etc.</p> <p>For details of statistical concepts and definitions including major statistical variables used in the survey, the Instruction Manual for ASI may be referred to.</p>
2.5	Statistical unit	<p>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.</p>
2.6	Statistical population	<p>The ASI frame is based on the lists of registered factory / units maintained by the Chief Inspector of Factories (CIF) in each State and those maintained by registration authorities in respect of Bidi and Cigar establishments and electricity undertakings. The frame is being revised and updated periodically by the Regional Offices of the Field Operations Division of NSO in consultation with the Chief Inspector of Factories in the State.</p>
2.7	Reference Period	<p>Reference period for ASI is the accounting year of the factory, ending on any day during the fiscal year. For e.g. in ASI 2019-20, data collected from respective establishments relate to their accounting year ended</p>

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		on any day between 1 st April 2019 and 31 st March 2020.
2.8	Data Confidentiality ¹	For unit-wise ASI data dissemination, due care is taken in anonymizing the identities of industrial units as required under the Collection of Statistics Act 2008.
3	Institutional Mandate	
3.1	Legal acts and other agreements	Collection of Statistics Act 2008 as amended in 2017 and Rules framed there under.
3.2	Data sharing	As per the data dissemination policy of the Ministry, same may be seen at link: http://microdata.gov.in/nada43/index.php/dissemination
3.3	Release policy	As per the data dissemination policy of the Ministry, same may be seen at link: http://microdata.gov.in/nada43/index.php/dissemination
3.4	Release calendar	As per the target date fixed by the Ministry.*
3.5	Frequency of dissemination	Yearly
3.6	Data access	ASI data are available in the Ministry's website under <i>MICRODATA CATALOGUE</i> . For details of ASI unit level data and metadata the following link may be explored. http://microdata.gov.in/nada43/index.php/catalog/ASI Title: Annual Survey of Industries Dataset Edition: Year wise data are available.

¹All statistical information published by any agency shall be arranged in such a manner so as to prevent any particulars becoming identifiable by any person (other than the informant by whom those particulars were supplied) as the particulars relating to the informant who supplied it, even through the process of elimination (Source: Collection of Statistics Act, 2008).

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		<p>Dataset Reference data type: Unit level data of ASI can be downloaded/exported to different format as per the standard statistical software available such as .txt, .dbf, .sav, .sas, .dta, .sta, .dat etc. Reports are available in .pdf format. Some additional tables are available in Excel format.</p> <p>Presentation Format: Unit level data as per specified data structure Document (ASI Reports) with graphs and tables.</p> <p>Dataset Language: English Status/Version: N.A.</p>
4	Quality Management	
4.1	Documentation on methodology	<p>Concepts, definitions and methodologies adopted for ASI are available in the published Reports.</p> <p>Published reports may be seen at the following link: http://microdata.gov.in/nada43/index.php/catalog/ASI/about</p>
4.2	Quality documentation	To ensure quality, monitoring is ensured at each step the of survey including field inspection, scrutiny, validation, checking for consistency of the tables, etc.
4.3	Quality assurance	Regular training on concepts, definitions, sampling design, frame updation, data entry in the portal etc. are provided to the field officers for collecting data on ASI as well as officers involved in the ASI data processing work. All field queries on any relevant issue are replied on priority basis. Number of validation check points have been embedded in the portal at data capture/compile stage to ensure data quality. Apart from that, multi-layer scrutiny is carried out at different levels in the field offices as well as at the data processing organization viz. IS Wing, DQAD to ensure data quality. All the schedules failing one or more major validation point(s) are immediately referred back (on-line through the portal) to the compiler in the field for proper clarification and/or correction as per the available records.
4.4	Quality assessment	RSE (Relative Standard Error) for selected parameters at NIC 2-digit for All India are published in the table 8 of Volume I of ASI report.**
5	Accuracy and Reliability	

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5.1	Sampling error	RSE (Relative Standard Error) for selected parameters at NIC 2-digit for All India are published in the ASI report.
6	Timeliness	
6.1	Timeliness	<p>ASI being a record-based survey with majority of the schedule is filled up with the help of Balance Sheet (BS), Profit & Loss (PL) Account and other related accounting documents of the units and various registers (e.g. attendance register, leave register, PF register etc.). Hence although the reference year for the survey is the corresponding financial year, the survey can start only when the eligible factories/units finalize their accounts and accounting statements (BS, PL etc.) as per the timeline provided by various regulatory authorities (e.g. for Companies the time line is set/extended by MCA/ROCs). Due to this reason, the survey has a natural lag of six months (often exceeding six months as and when such dates are extended by the regulating authorities) in commencement in respect of its reference year.</p> <p>The year-wise survey period and the release date are mentioned in the ASI reports of the corresponding year.</p>
7	Coherence and Comparability	
7.1	Comparability - over time	<p>ASI data are broadly comparable over time. For any change in coverage, definition, tabulation etc. the same are highlighted in the tables/reports. Most of these changes do not warrant a break in series.</p>
7.2	Coherence	<p>ASI broadly follows the guidelines of International Recommendations for Industrial Statistics (IRIS) as well as System of National Accounts (SNA). Before finalising the ASI results, data are being shared with National Accounts Division (NAD), NSO and State DESs for their feedback.</p>
8	Statistical Processing	

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8.1	Source data type	Survey data
8.2	Frequency of data collection	Annually
8.3	Data collection method	<p>ASI web-portal (online) ASI schedule (questionnaire) is given at Annexure-I.</p> <p>Several validation/scrutiny rules are embedded in the ASI web-portal at data entry/capture level. These checks include code check, value/content check, inter and intra-block consistency checks etc.</p>
8.4	Data validation	<p>Content checks, coverage checks, inter block and intra block consistency checks, howler checks, ratio checks, panel data check (data from previous survey if the unit is re-sampled) etc. are done for each and every schedule and also at an aggregate level).</p> <p>Aggregate output data are compared with previous years' data. Weight adjustments are done to tackle non-response wherever required.</p> <p>Macro level consistency checks are done internally based on other related data sources such as export growth, IIP growth, output/ GVA growth of NAS (manufacturing sector) etc. Apart from these, reports of several sector-specific industries such as petroleum, metal industries, automobile, cement, pharmaceutical, textile etc. from various sources are also analysed.</p>
8.5	Data compilation	<p>Imputations are done only in case of non- responding units where the unit could not provide data for various reasons. In such case, imputations are done from the data of the same unit if it was surveyed and reported last year.</p> <p>Appropriate weight adjustments are also done to tackle non-response wherever required.</p> <p>Details of data compilation, weight adjustment and estimation procedures are given in the instruction manual of ASI.</p>
9	Metadata Update	

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9.1	Metadata last posted	June 8 th , 2022.
9.2	Metadata last update	June 19 th , 2023.