

| Item No | Concept name | Details |
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| 1 | Contact | |
| 1.1 | Contact Organisation | Ministry of Statistics and Programme Implementation (MoSPI) |
| 1.2 | Compiling agency | National Statistics Office (NSO) |
| 1.3 | Custodian agency | Economics Statistics Division (ESD), MoSPI |
| 1.4 | Contact Details | Dr. Dalip Singh Additional Director General, ESD, MoSPI Ph. No. : 011-23455116 Email : adg-esd@mospi.gov.in |
| 2 | Data Description and Presentation | |
| 2.1 | Data description | <p>Index of Industrial Production</p> <p>The all India IIP is a composite indicator that measures the short-term changes in the volume of production of a basket of industrial products during a given period with respect to that in the base period. The IIP covers three sectors namely Mining, Manufacturing and Electricity.</p> <p>The IIP is compiled and published monthly by the MoSPI. Alongwith All India IIP (General Index) & sectoral index for Mining, Manufacturing and Electricity, the use based categories-IIP (classified by the use of goods) is also disseminated by MoSPI . The categories are Primary goods, Capital goods, Intermediate goods, Infrastructure/ Construction goods, Consumer Durables and Consumer Non-durables.</p> |
| 2.2 | System of Classification | The current series of IIP (base 2011-12) follows the National Industrial Classification 2008 (NIC-2008) which is based on ISIC-Rev 4 published by UNSD. |
| 2.3 | International/ National Standards Classification etc. | The current series of IIP (base 2011-12) follows the National Industrial Classification 2008 (NIC-2008) which is based on ISIC-Rev 4 published by UNSD. |

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| 2.4 | Sector coverage | UNSD guidelines state that IIP is to be compiled for activities in ISIC Rev. 4 Sections B, C, D and E, i.e. (i) Mining and quarrying, (ii) Manufacturing, (iii) Electricity, Gas, Steam and Air conditioning supply and (iv) Water supply, Sewerage, Waste management and Remediation activities, due to constraints of the data availability and other resources, the index is being compiled with (i) Mining, (ii) Manufacturing and (iii) Electricity as scope of All India IIP. In the current base year (i.e. 2011-12), the index covers 839 items clubbed into 407 item groups under three sectors i.e. Mining (29 items clubbed into 1 item group), Manufacturing (809 items clubbed into 405 item groups) and Electricity (1 item) with weights of 14.37%, 77.63% and 7.99% respectively. |
| 2.5 | Concepts and definitions | <p>Concept: Index of Industrial Production (IIP) is an abstract number, the magnitude of which represents the state of production of items individually and collectively as industry group for a given period of time. Strictly speaking, the IIP is a short-term indicator of industrial growth for the organized sector till the results from the Annual Survey of Industries (ASI) becomes available. This indicator is of paramount importance to the Government for planning purposes and is also being extensively used by various organizations, including Industry, Research, and Academic Institutions.</p> <p>Definition: The Index of Industrial Production is a quantitative index, the production of the items being expressed in physical terms. The Index is compiled by taking into account the quantities of items produced during the current month, vis-à-vis the average monthly production in the base year.</p> |
| 2.6 | Unit of compilation | The Index of Industrial Production is a quantitative index; the production of the items being expressed in physical terms. The Index is compiled by taking into account the quantities of items produced during the current month, vis-à-vis the average monthly production in the base year. The International Recommendations on IIP (IRIIP), 2010, of the United Nations Statistics Division, mentions establishment i.e. factories, mills etc., as the statistical unit for the purposes of compiling an IIP because it is the most detailed unit for which the range of data required is normally available. The data gathered, in order to be analytically useful in an IIP context, need to be grouped according to such characteristics as kind of activity, geographical area and size, and this is facilitated by the use of the establishment unit. The data for compiling all India IIP is collected at establishment i.e., factories/units by the 14 source ministries/departments/organisations and consolidated data for the items in the item basket of IIP is furnished to ESD, MoSPI for index compilation. |

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| 2.7 | Population coverage | <p>1. The index is being compiled with (i) Mining, (ii) Manufacturing and (iii) Electricity as scope of All India IIP.</p> <p>2. Product Coverage: Within an industry the products are covered on the basis of the concepts of Primary (Main) Product as well as Secondary (By) Product. All those items which represent at least 80% of the output within each industry group, i.e., 3-digit industry of NIC-2008 (based on ISIC 4) as per ASI data have been included in the Item basket. Essential products like tea, coffee, salt and sugar have been included. The over-riding criteria for finalization of item basket have been the regular monthly flow of production data from the source agencies/collection authorities. The mining sector covers 29 items under different headings viz. Fuel Minerals, Metallic Minerals and Non-Metallic Minerals. This sector also includes Crude Petroleum, Natural Gas, Coal and Lignite. The manufacturing sector covers 809 items grouped into 405 item groups. The Electricity sector is treated as a single item.</p> |
| 2.8 | Reference Period | Reference Period: The reference period for the current index of industrial production in India is 2011-12, when the index=100. |
| 2.9 | Duration and period of enumeration | Monthly IIP with current base year 2011-12 was launched in May 2017 and IIP data with base year 2011-12 is available from 2011-12 till date. |
| 2.1 | Sample size/Dataset Size | <p>1. NSO provides list of products, weights and factories to source agencies. At present The data for compilation of IIP is furnished by 14 data source agencies located in various Central Ministries/ Departments/ Subordinate Offices of the Government of India which, in turn, collect data from their primary sources (factories). The sample size for data collection is decided by the source agencies. Generally, efforts are made to cover all the major units.</p> <p>2. The manufacturing sector's data for compilation of IIP is supplied regularly on monthly basis by 12 source agencies located in various Ministries/ Departments/ Subordinate Offices of the Government of India.</p> <p>3. For Mining Sector the index is compiled by the Indian Bureau of Mines (IBM), Ministry of Mines. For the Electricity Sector, the monthly production data are collected by the Central Electricity Authority, Ministry of Power under the Electricity Act, 2003.</p> |
| 2.11 | Data Confidentiality | The frame of factories for IIP is derived primarily from the frame of Annual Survey of Industries (ASI), which is governed by the provisions of the Collection of Statistics Act, 2008. In accordance with rules 9 to 14 of Chapter III under the Collection of Statistics Act, 2008, identity of individual respondents is not disclosed directly/ indirectly. |
| 3 | Institutional Mandate | |

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| 3.1 | Legal acts and other agreements | <p>1. In accordance with the Government of India (Allocation of Business) Rules, 1961, as amended from time to time, it is the responsibility of the Ministry of Statistics and Programme Implementation to compile and release the Index of Industrial Production data. There are 14 Government of India Ministries/ Departments/ organizations which are responsible for collection of primary data from the manufacturing establishments in accordance with the methodology/ guidelines laid down by the MoSPI.</p> <p>2. The frame of factories for IIP is derived primarily from the frame of Annual Survey of Industries (ASI), which is governed by the provisions of the Collection of Statistics Act, 2008. In accordance with rules 9 to 14 of Chapter III under the Collection of Statistics Act, 2008, identity of individual respondents is not disclosed directly/ indirectly. At present, MoSPI does not exercise any legal authority for statistical reporting as the primary production data for IIP are collected by various administrative ministries/ departments/ organizations.</p> <p>3. Production data on majority of IIP items are collected by the Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry from individual manufacturing establishments as per rules under the Industries (Development and Regulation) Act, 1951. Similarly mineral production data are collected by the Indian Bureau of Mines (IBM), Ministry of Mines as per rules under the Mineral Conservation and Development Rules (MCDR), 1988 and further amended in 2016. Other legal instruments in use are The Electricity Act, 2003 for Electricity data, Vegetable Oil Product Production and Availability (Regulation) order, 2011 for production of Edible Oils, Vegetable Oils and Fats, Tea (Marketing And Control) Order 2003 for tea production data, Essential Commodities Act 1955 for sugar production data, Fertilizer Control Order (Under Essential Commodities Act) 1985 for fertilizer production, Oilfields (Regulation & Development) Act, 1948 for production of Crude Oil and Natural Gas, Industries (Development & Regulation) Act, 1951 for production of Petroleum Products, Colliery Control Rules, 2004 under MCDR Act for production of coal.</p> |
| 3.2 | Data sharing/Data Dissemination | Data is either available on website or shared through correspondence. IIP data (production index data published in the press release and the time series data) is available on MoSPI website at: http://mospi.gov.in |
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| 3.3 | Release calendar | <p>The advance release calendar which is published on MoSPI's website shows the release calendar for IIP. Link is : https://www.mospi.gov.in/release-calendar</p> <p>IIP is compiled and released on the 28th of every month. Also, the time of next release is mentioned in Press Release of IIP.</p> |
| 3.4 | Frequency of dissemination | Monthly |

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| 3.5 | Data access | IIP data (production index data published in the press release and the time series data) is available on MoSPI website at: http://mospi.gov.in |
| 4 | Quality Management | |
| 4.1 | Documentation on methodology | 1. Working Group report for IIP base revision from 2004-05 to 2011-12 regarding methodology of the current series is available on the website of MoSPI. The link for the same is given below: https://www.mospi.gov.in/sites/default/files/publication_reports/Report_of_WG_on_IIP28apr17.pdf |
| 4.2 | Quality documentation | IIP follows the guidelines mentioned in UNSD document of International Recommendations for Index of Industrial Production (IRIIP), 2010. |
| 4.3 | Quality assurance | <p>i. Two-point compilation later reconciled</p> <ul style="list-style-type: none"> • IIP is compiled by two different persons • The data is reconciled after compilation • This minimizes chances of error • Similarly, weighted response rate is calculated at the aggregated level <p>ii. Multi-layer checks and reconciliation with other indicators</p> <ul style="list-style-type: none"> • The results are checked at different levels • The results are compared with other indicators like ICI, PMI, etc. <p>Measures are in place to monitor the quality of the various statistical stages. The data is carefully checked each month according to a fixed schedule of checking and validation of data.</p> |
| 5 | Accuracy and Reliability | |
| 5.1 | Sampling error | NA |
| 5.2 | Measures of reliability | IIP follows the guidelines mentioned in UNSD document of International Recommendations for Index of Industrial Production (IRIIP), 2010. |
| 6 | Timeliness | |
| 6.1 | Timeliness | Every month IIP is released as per ARC https://www.mospi.gov.in/release-calendar |
| 7 | Coherence and Comparability | |
| 7.1 | Comparability – over time | The time series data is maintained for comparability over time. |

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| 7.2 | Coherence | IIP is compiled following standard international practices. |
| 8 | Data Processing | |
| 8.1 | Source data type | The data for compilation of IIP is furnished by 14 data source agencies located in various Central Ministries/ Departments/ Subordinate Offices of the Government of India which, in turn, collect data from their primary sources (factories). |
| 8.2 | Frequency of data collection | Monthly |
| 8.3 | Mode and method of data collection method | <p>Data Collection Methods: The manufacturing sector's data for compilation of IIP is supplied regularly on monthly basis by 12 source agencies located in various Ministries/ Departments/ Subordinate Offices of the Government of India. For Mining Sector the index is compiled by the Indian Bureau of Mines (IBM), Ministry of Mines. IBM collects data in respect of metallic and non-metallic minerals under the MCDR, 1988 further amended in 2016. For the Electricity Sector, the monthly production data are collected by the Central Electricity Authority, Ministry of Power under the Electricity Act, 2003. These organizations collect the data through various methods including portal, mail, paper forms at the level of individual establishments. The data is collected both in quantity and value terms. Data for 109 item groups is collected in value terms deflated using WPI. Source agencies estimate missing data as per broad guidelines provided by MoSPI.</p> |
| 8.4 | Data validation | <p>1.Verification of Data: Before releasing the index, the accuracy of the production data wherever significant deviation from the last month's production and previous year's production are observed, is confirmed from the source agencies and corrections required are incorporated. 2.Verification of Processing: The index is prepared every month through a built-in software specially made for this purpose.</p> |
| 8.5 | Data compilation | Monthly |
| 8.6 | Data identifier(s) | NA IIP is compiled using secondary data, as provided by the 14 source agencies for index compilation. |
| 9 | Metadata Update | |
| 9.1 | Metadata last posted | June 13 2022 |
| 9.2 | Metadata last update | May-25 |