

Item No	Concept name	Details
1 Contact		
1.1	Contact Organisation	Economic Statistics Division (ESD), National Statistics Office (NSO), Ministry of Statistics and Programme Implementation (MoSPI), Government of India
1.2	Compiling agency	Economic Statistics Division (ESD), MoSPI
1.3	Custodian agency	ESD, MoSPI
1.4	Contact Details	a. Name of Organisation owning the processes and output: Economic Statistics Division (ESD) b. Name: Sh. Indradeep Roy Chowdhury c. Designation: Director, ESD d. Postal address: Room No. 501, Khushid Lal Bhawan, Janpath, New Delhi- 110001 e. Email address: energyunit-esd@mospi.gov.in, indradeep.rc@gov.in f. Contact number: 011- 23455501
2 Data Description and Presentation		
2.1	Data description	1. The publication contains a comprehensive database on reserve, capacity, production, international trade and consumption of all the energy-commodities (like Coal, Lignite, Crude Oil, Natural Gas etc.) of India against a particular financial year. 2. The publication also contains different tables (like Energy Balance, Energy Account), graphs (Sankey Diagram) and sustainable energy Indicators (Economic dimension) , as per different International standards and guidelines.
2.2	System of Classification	1. The statistics (on production, international trade, availability, consumption) is classified accordingly to different energy-commodities in India. 2. For some aspects (like energy resources, capacity etc.) information is available at state-level disaggregation. 3. The <i>flow of energy</i> (by combining all energy-commodities) in given in term of Joule and KToE over a financial year.
2.3	International/ National Standards Classification etc.	The international guidelines which are being followed are given as below: 1) The International Recommendations for Energy Statistics (IRES); 2) System of Environmental-Economic Accounting(SEEA) 2012; 3) Energy Indicators for Sustainable Development: Guidelines and Methodologies
2.4	Sector coverage	The Energy Sector of India.
2.5	Concepts and definitions	The concepts and definitions which are used in the publication are as follows: 1) Total Primary Energy Consumption(TPES), Total Final Consumption(TFC) etc. which are available under the guidelines of IRES (chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://unstats.un.org/unsd/energystats/methodology/documents/IRES-web.pdf); 2) Concepts and definitions which are available under SEEA Central framework (https://seea.un.org/content/seea-central-framework-1) and 3) Energy Indicators for Sustainable Development: Guidelines and Methodologies (chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www-pub.iaea.org/MTCD/Publications/PDF/Pub1222_web.pdf)
2.6	Unit of compilation	The informaiton is available primarily at National level. For some dimensions state-level statistics are also available.
2.7	Population coverage	NA
2.8	Reference Period	Annual
2.9	Duration and period of enumeration	NA
2.1	Sample size/Dataset Size	NA
2.11	Data Confidentiality	The Publication is based on secondary data and published on website which is accessible to all
3 Institutional Mandate		
3.1	Legal acts and other agreements	Not Applicable
3.2	Data sharing/Data Dissemination	Data is available on the website of MoSPI (https://www.mospi.gov.in/)
3.3	Release calendar	In the end of March
3.4	Frequency of dissemination	Annual
3.5	Data access	Data is available at website of MoSPI (https://www.mospi.gov.in/) Title: Given on each table. Dataset Reference data type: .xlsx Presentation Format: Table Dataset Language: English/Hindi Status/Version: Latest annual data as reported by Data Source Agencies.
4 Quality Management		

4.1	Documentation on methodology	Comprehensive excel file containing the entire process flow of the publication has been prepared by the division and used extensively.
4.2	Quality documentation	All the data are secondary in nature, hence verifying the diverse aspects (like reliability, accesibility, accuracy etc.) of the quality of the source data is vested upon the line Administrative Ministries.
4.3	Quality assurance	Validation/ Consistency Checks are applied and Vetting/ Scrutiny done before publishing the data in the publication.
5 Accuracy and Reliability		
5.1	Sampling error	Not Applicable
5.2	Measures of reliability	Not Applicable
6 Timeliness		
6.1	Timeliness	The publication is released during the month of March, in every calendar year.
7 Coherence and Comparability		
7.1	Comparability – over time	Time-series data on the <i>flow-of-all-energy commodities and of energy(in KToE and Joule)</i> is readily available. Time-series statistics of different sustainable energy-Indicators are also given to have a sense of the overall energy-scenario of the Nation over time.
7.2	Coherence	Statistics are secondary in nature, hence the information on reserve,production, consumption etc are readily re-concilable with other publication under GoI. The statistics on <i>flow-of-energy(in KToE/Joule)</i> are only available with the ES publication of MoSPI, hence a coherence is not applicable.
8 Data Processing		
8.1	Source data type	The Publication Energy Statistics India is based on secondary data which includes data from the following Ministries/Departments under GoI: i)Ministry of Coal ii) Ministry of Petroleum and Natural Gas; iii) Ministry of Power iv) Ministry of New and Renewable Energy
8.2	Frequency of data collection	The Publication Energy Statistics India is based on secondary data which is collected/compiled by various data source agencies from time to time.
8.3	Mode and method of data collection method	Mode: Through Emails form the line Energy Ministries (mentioned as above)
8.4	Data validation	1.Verification of Data: All the information are verified with the previous database to ensure the consistency. 2. 2.Verification of Processing: All the final results are verified and cross-checked with the previous dataset and other related statistics to ensure the accuracy and inter-consistency.
8.5	Data compilation	For the generations of tables/graphs like the Energy Balance table, Sankey diagram use of excel template (Energy Balance Builder from IEA) is done by the division. Different standards concepts/methodologies prescribed under respective international standards/guidelines are used to derive and compile the final statistics.
8.6	Data identifier(s)	Not Applicable
9 Metadata Update		
9.1	Metadata last posted	25th March, 2025 in the latest publication (Release date of Publication)
9.2	Metadata last update	25th March, 2025 in the latest publication (Release date of Publication)