

Metadata: Energy Statistics

1. Contact	
1.1. Contact organization	National Statistical Office (NSO), Ministry of Statistics & Programme Implementation (MOSPI)
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2. Statistical presentation	
2.1 Data sources	
The data contained in this publication has been sourced from the Ministry of Petroleum and Natural Gas, Central Electricity Authority, Office of the Coal Controller, Ministry of New and Renewable Energy and Office of the Economic Adviser, Ministry of Commerce and Industry and National Accounts Division, Ministry of Statistics and Programme Implementation.	
2.2. Data description	
The statistics represent information about the reserves, installed capacity, potential for generation, production, consumption, import, export and wholesale price of different energy commodities and Energy Indicators on Economic Dimension.	
2.3. Sector coverage	
Coal & Lignite, Petroleum & Natural Gas, Renewable Energy Resources and Electricity. (Data Collection Mechanism is given in Annex: V of this publication). The indicators are based on the guidelines/approach followed by International Atomic Energy Agency in their publication "Energy Indicators for Sustainable Development: Guidelines and Methodologies", which was brought out in collaboration with United Nations Department of Economic and Social Affairs (UNDESA), International Energy Agency (IEA), Eurostat and European Environmental Agency (EEA). Also, the choice of indicators was made as per the availability of data from the subject ministries.	
2.4. Data content	
The Statistics are given by type of fuel and energy source. The publication includes analytical indicators viz. Growth Rates, Compound Annual Growth Rates (CAGR), Percentage Distributions and Economic Energy Indicators.	
2.5. Statistical unit	
Data are aggregated appropriately at national and state level.	
2.6. Statistical population	

Data covers all the energy commodity sources.

2.7. Reference area

The energy industries of the entire country are covered.

2.8. Time coverage

In the current publication the data given is for the period 2009-10 to 2018-19 and is based on statistics compiled by the Ministry of Petroleum and Natural Gas, Central Electricity Authority, Office of Coal Controller, Ministry of New and Renewable Energy. The data for Office of the Economic Advisor, Ministry of Commerce and Industry and National Accounts Division has been sourced for the year 2011-12 to 2018-19. Energy Indicators on Economic Dimensions have been compiled for the year 2018-19.

2.9. Base period

2011-12 for WPI and GDP data

2.10. Statistical concepts and definitions

The main Concepts and Definitions and certain Conversion Factors are given in Annex: I & Annex: II respectively. Annex III gives categorization of coal in India. Annex IV gives details of Energy Data Collection Mechanism.

3. Unit of measure

Energy quantities data are recorded in physical units relevant to the product in question; Giga Watt hour (GWh) for electricity, Thousand Metric Tonne (TMT) for petroleum products etc. Prices are indicated by Wholesale Price Index. The Energy Balance is given in Kilo Tonne of oil equivalent (KToE). Consumption and Production of the Energy resources is also given in Petajoules(PJ).

4. Reference period

Reference period of the Publication of "Energy Statistics -2020" is the financial year 2018-19 and the previous financial years since 2009-10. For Energy Indicators reference period is Financial Year 2018-19.

5. Institutional mandate

5.1. Legal acts and other agreements

No legal acts, however, this statistic is collected in view of the mandate of the Ministry in allocation of Business rules.

5.2. Data sharing

The publication is disseminated on the website of the Ministry (MOSPI) and is available free of cost.

6. Confidentiality

6.1. Confidentiality - policy and data treatment

Confidentiality of the data is maintained by the data source ministries.

7. Release policy

7.1. Release calendar

Publication of Energy Statistics is released on MOSPI's web-site in end of March every year.

7.2. User access

MOSPI disseminates Energy Statistics on its website in an objective, professional and transparent manner in which all users are treated equitably. The detailed arrangements are governed by the data dissemination policy of Government of India.

8. Dissemination format

8.1. News release

Publication on Energy Statistics is released annually.

8.2. Publications

Annual publication in pdf format is available on the website of MOSPI.

9. Accessibility of documentation

9.1. Documentation on methodology

Information on the relevant Energy indicators methodology can be found in the publication in Chapter 10.

10. Accuracy and reliability

10.1. Overall accuracy

Data on energy is published on the basis of information received from the source agencies. ESD, NSO compiles and analyses data received from the source agencies and then presents in the form of publication.

11. Timeliness and punctuality

11.1. Timeliness

Preliminary data on energy production and consumption and few energy indicators are available 12 months after the reference year. Final data for the year are published 24 months after the end of the reference year.

11.2. Punctuality

Annual publication on Energy Statistics is released by the end of March every year.

12. Data revision

12.1. Data revision - policy

The annual publication provides data on the last reference year and revisions for the year before. Revisions of entire time series when made by source agencies due to specific survey or data revision are incorporated in due time. The data revision by source Ministries is incorporated in the subsequent edition and hence some of the values may not match with the previous issues of this publication.

12.2. Data revision - practice

Preliminary data on energy production and consumption statistics for the year 2018-19 is published in current publication. Final data will be given in the next publication in March 2021.

13. Statistical processing

13.1. Source data

Energy data are collected from the source agencies at national level and presented in the publication. It is published in the ministry's web-site.

13.2. Frequency of data collection

Annual.

13.3. Data collection

Data is collected through e-mail or by publications brought out by the source agencies.

13.4. Data validation

Checks are carried out to the data before publishing it.

13.5. Data compilation

National figures are compiled by aggregating the data received from the source agencies.

13.6. Adjustment

No seasonal adjustment or temperature correction of the energy consumption is applied.