



# Number of power stations in India How many units generate electricity

This section has covered the detail data on Power Capacity and Generation by Hydro Power Stations, Power Capacity and Generation by Nuclear Power Plants, Power Capacity and Generation by Thermal Power ...

All India / Regionwise Power Generation Overview 12-Mar-2025 All India / Regions Installed Capacity (MW) Monitored Capacity (MW) Annual Target (MU) Generation 2024-25 (MU) Apr 1 Till Date Today's Program ...

While solar and wind are the main drivers of non-fossil fuel capacity, India has also witnessed contributions from hydro, biomass, waste-to-energy and nuclear power over the years.

In the electricity market in India, power can be traded between generators, distributors and large consumers through bilateral contracts or power exchanges. Bilateral contracts are negotiated between two parties and ...

India's electricity generation in FY 2024-25 touched a new high of 1,821 billion units (BU) marking a continuation of the upward trajectory since the pandemic slump. This represents a 5% year-on ...

Power consumption in India in FY23 logged a 9.5% growth to 1,503.65 Billion Units (BU). \* The all-India peak power demand in FY26 is expected to be 277 GW. In FY25, India consumed 1,694 billion units of electricity, ...

India's power generation infrastructure is vast and multifaceted, comprising over 400 power stations across various energy sources. Coal-based plants lead in number and capacity, followed by ...

India's total electricity generation from all sources during 1Q 2025 was 445.49 billion units (BUs), marking a 3.6% increase over the 429.85 BUs generated in 1Q 2024.

As of 30 April 2025, India has 25 operational nuclear reactors with a installed capacity of 8880 MW (1.9 % of total installed capacity) accounting for around 3% of electricity generation. 10 more reactors with total ...

JSW Energy Ltd's Kutehr Hydroelectric Project Unit-1 (80 MW), Unit-2 (80) and Unit-3 (80) has been added w.e.f. 05.08.2025, 31.07.2025 and 08.08.2025 respectively.



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