

India's outdoor power capacity

How big is India's energy capacity?

Citing data from the India Climate and Energy Dashboard (iced.niti.gov.in), he revealed that the country's total installed capacity has reached 466 gigawatt (GW), with over 40 per cent in total coming from non-fossil fuel sources.

How much power does India have?

India's total installed power capacity has reached 466 GW as of 31 January with over 40% from non-fossil fuel sources. Union Minister Ashwini Vaishnaw shared key data on coal, solar, wind, nuclear and hydropower contributions.

How much power does India have in 2025?

India added a total power generating capacity of 13,495 megawatts (MW) in 1Q 2025. Renewables accounted for 78.9% of all new capacity additions. With gas capacity retirement of 285 MW, the net capacity added was 13,210 MW. With these additions, India's total cumulative power generation capacity reached 475.2 gigawatts (GW) as of March 31, 2025.

How did India's electricity generation perform in 1Q 2025?

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. This growth reflects both increasing demand and a transition in the energy mix. Solar and wind power generation increased by 16.6% from Q1 2024 to Q1 2025.

How did India's power sector perform in Q1 2025?

India's power sector witnessed strong growth in Q1 2025, with substantial capacity additions led by renewables and record-high investments. Supportive policies, rising demand, and increased private sector participation have strengthened the shift toward clean energy.

What is the dominant power source in India?

However, according to the data, coal remains the dominant power source, accounting for 47.29 per cent of the total capacity.

As expected, for efficient distribution of power, presence of certain natural resources, as well as the state government's energy initiatives, the installed capacity varies widely from state-to-state.

Nearly half of India's installed power generation capacity of a total of 476 GW is non-fossil fuel-based as of June, but coal-based thermal electricity plays a critical part, ...

Solar Power* (Cumulative) : 119.02 GW Ground Mounted Solar Plant : 90.99 GW Grid Connected Solar Rooftop: 19.88 GW Hybrid Projects (Solar Component) : 3.06 GW Off ...

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