

SolarTech Power Solutions

India power plant power generation



Overview

This document details the performance and key developments in India's power sector during the first quarter (January–March) of 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.

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capacity additions (Table 1). With gas capacity retirement of 285MW, the net capacity added was 13,210MW. With these additions, India's capacity additions, accounting for 57.7%, 21.1% and 13.9%, respectively, of the total capacity added. Solar power capacity reached a new milestone as it crossed 100GW.

The Act provides for National Electricity Policy, Rural Electrification, Open access in transmission, phased open access in distribution, mandatory SERCs, license free generation and distribution, power trading, mandatory metering and stringent penalties for theft of electricity. It is a.

Source: Central Electricity Authority; MoSPI Report on EnviStats India 2024, [Click to get data/visualization](#) • Prepared by Data Informatics & Innovation Division (DIID) @GoIStats Note: 1. (P) : Provisional. 2. RES : Renewable Energy Sources. 3. GWh : Gigawatt hours .

As on 31 Aug, 2024, Total installed power generation capacity of India stands at approximately 451 gigawatts (GW). This capacity includes a mix of thermal, renewable, hydroelectric, solar, wind and nuclear energy sources. As Indian population growing, the power demand in has grown significantly.

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