

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.3184
ANSWERED ON 18.12.2025**

POWER SUPPLY TO NATIONAL GRID

3184. SHRI JASHUBHAI BHILUBHAI RATHVA:

**Will the Minister of POWER
be pleased to state:**

(a) the current total installed power generation capacity in the country along with the latest available figures indicating the respective shares of fossil fuel-based and non-fossil fuel-based sources;

(b) the portion of this installed capacity that is presently generation-ready and capable of supplying power to the national grid together with the criteria used to determine grid-readiness;

(c) whether the quantum of installed generation capacity remains unutilised or under-utilised due to the absence or inadequacy of transmission infrastructure, if so, the details thereof, State wise; and

(d) the timelines proposed by the Government for completing the transmission infrastructure necessary to ensure timely evacuation, grid integration and optimal utilisation of power across all regions of the country?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) & (b): The total installed power generation capacity in the country stands at 5,05,023 MW, comprising 2,45,600 MW from fossil fuel sources and 2,59,423 MW from non-fossil fuel-based sources. The installed capacity has been commissioned in accordance with applicable technical standards, is grid-connected and generation ready. It is capable of injecting power into the National Grid, subject to prevailing system conditions. Details of electricity generated from various sources during the period from April, 2025 to October, 2025 are given in the table below:

Category	Installed Capacity (in MW)	% Share in Installed Capacity	Electricity Generated (April, 2025 to October, 2025) (in MU)	% Share in Total of Generation
Fossil Fuel	2,45,600	48.6%	7,52,583	68.2%
Non-Fossil Fuel	2,59,423	51.4%	3,51,405	31.8%
Total	5,05,023	100%	11,03,988	100%

(c) : The National Transmission Grid has been remained accommodative in integrating generation capacity, including large – scale Renewable Energy (RE). There has been no curtailment of generation capacity with effective General Access Network (GNA) to the Inter-State Transmission System (ISTS). However, at present, temporary GNA for evacuation of 12,407 MW of power has been provided through the available margins on the existing ISTS, subject to technical and operational constraints across different time blocks. Of this, 5,370 MW is located in Gujarat, 4,088 MW in Rajasthan, and 2,949 MW in Karnataka/ Tamil Nadu.

(d) : Transmission systems associated with generation projects are planned well in advance and implemented in a phase manner, aligned with projected capacity addition. The National Grid is being strengthened on a continuous basis to ensure timely evacuation, grid integration and optimal utilisation of power across regions. Presently, 234 Inter-State Transmission System projects, capable of evacuating about 203 GW of generating capacity, are under various stages of implementation and are planned to be commissioned progressively by 2031.
