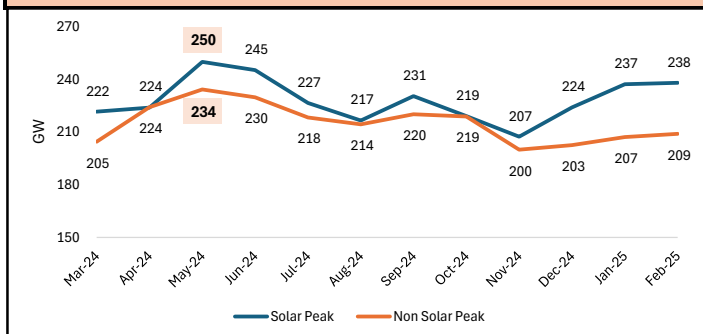


MONTHLY SNAPSHOT - INDIA POWER SECTOR : FEBRUARY 2025

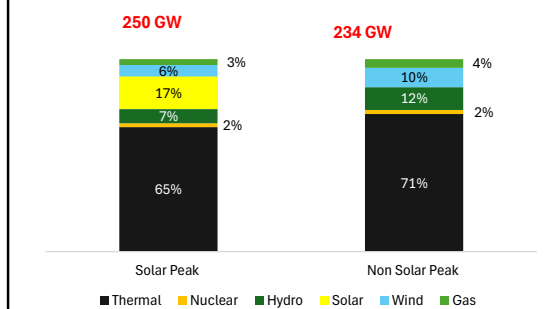


PEAK DEMAND MONTHLY TREND



Source: Grid India

Source-wise contribution in Peak Demand [EFFECTIVE CAPACITIES]



Note: Contribution mix at the maximum Solar Peak and Non-Solar Peak recorded in the last 12 months; Source: Grid India

INSTALLED CAPACITY (GW)

Source		Feb-25	Y-o-Y Growth
Thermal	Coal & Lignite	222	2%
	Diesel & Gas	26	0.6%
Nuclear		8	9%
Hydro	Large	47	0.1%
	Small	5	2%
Solar	Ground Mounted Solar	78	33%
	PM-Surya Ghar Yojna (Solar Rooftop)	17	50%
	Hybrid Solar	3	11%
	Off-grid Solar/KUSUM	5	61%
Wind		49	8%
Other		11	6%
Total		470	8%
Pumped Storage Plants		5	0%

Source: CEA, MNRE

MONTHLY GENERATION (BU)

Source		Feb-25	% Growth from Feb-24
Thermal		110	1% ⬆️
Nuclear		4	19% ⬆️
Hydro	Large	7	18% ⬆️
	Small	0.6	27% ⬆️
Solar		13	24% ⬆️
Wind		5	-6% ⬆️
Other		2	-5% ⬆️
Total		142	4% ⬆️

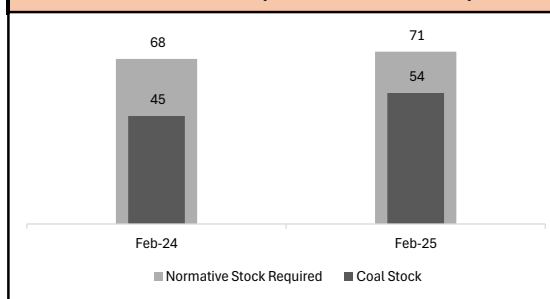
Source: CEA, MNRE

TRANSMISSION INFRASTRUCTURE

Parameter	Feb-25	Addition over previous month
Total Transmission Line Capacity (≥ 220 kV) ('000 ckm)	492	0.55
ISTS	214	-
InSTS	279	0.55
Transformation capacity ('000 MVA)	1,309	5.98
ISTS	544	2.50
InSTS	765	3.48
Inter-regional Transfer Capacity (GW)	119	-

Source: CEA

COAL STOCK (MILLION TONNES)



Source: National Power Portal

KEY HIGHLIGHTS

- Ministry of Power has amended the Tariff-Based Competitive Bidding (TBCB) guidelines for procuring Firm and Despatchable Power from Grid-connected Renewable Energy projects with Storage systems. New instrument - Insurance Surety bonds have been introduced, mandatory installation of GPS enabled Automatic weather station by developer, stricter Capacity Utilisation Factor (CUF) penalties, Signing of PPA and PSA should be completed within 30 (thirty) days from issuance of LoA - may be extended up to 12 months from the LoA date, beyond which the LoA will be cancelled.
- Andhra Pradesh Electricity Regulatory Commission (APERC) has announced that there will be No Electricity Tariff Hike for FY 2025-26, as the State Government will cover the Revenue Gap of ₹12,632.40 Cr. to avoid burdening consumers.
- The Union Budget FY2025-26 introduced Nuclear Energy Mission. It allocated ₹20,000 Cr. for R&D in Small Modular Reactors (SMRs), targeting at least five indigenously designed operational SMRs by 2033. This aligns with India's target of 100 GW nuclear capacity by 2047.

[All data was last accessed on 3rd April 2025]