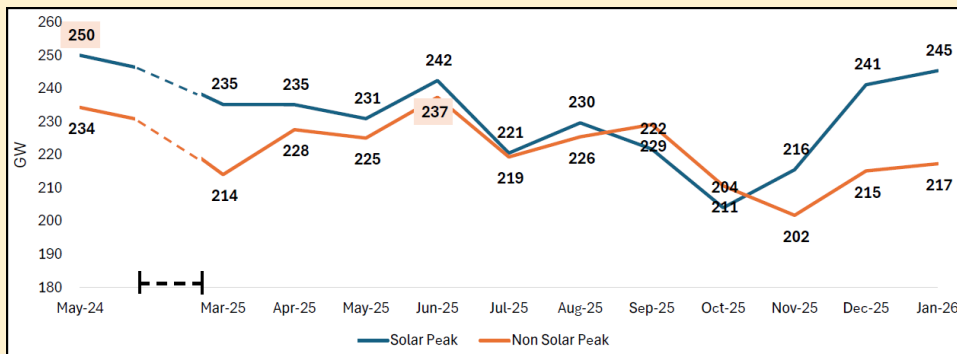


MONTHLY SNAPSHOT

INDIA POWER SECTOR: JANUARY 2026

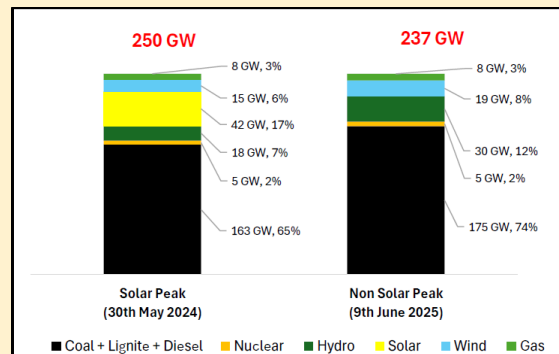
Figure 1: PEAK DEMAND MONTHLY TREND



Note: 1) Solar Peak (245 GW) on 9th January 2026 @09:52 hrs
2) Non Solar Peak (217 GW) on 8th January 2026 @17:55 hrs

Source: Grid India

Figure 2: Source-wise contribution in Peak Demand [EFFECTIVE CAPACITIES]



Note: Contribution mix at the maximum peak recorded in the last 15 months, with Solar Peak recorded on 30th May 2024 at 14:57 hours and Non-Solar Peak recorded on 9th June 2025 at 22:46 hours.

Source: Grid India

Table 1: INSTALLED CAPACITY (GW)

Source		2030 Target	Under Planning*	Under Construction	Jan-26	Y-o-Y Growth
Fossil Sources		277	47	38	249	1%
Thermal	Coal & Lignite	252	47	38	228	3%
	Diesel & Gas	25			21	-18%
Non-Fossil Sources		482	106	144	272	23%
Nuclear		15	7	6	9	7%
Hydro	Large^	54	21	13	51	9%
	Small	5			5	1%
Solar	Ground Mounted Solar	293	37	101	107	39%
	Solar Rooftop				24	49%
	Hybrid Solar				3	18%
	Off-grid Solar/KUSUM				6	34%
Wind		100	21	24	55	13%
Other		15	21		12	2%
Total		759	153	182	521	12%
Pumped Storage Plants		19	10	13	7	51%
Battery Energy Storage System (GW/GWh)		41.65/208.25		25.41/77.09	-	-

Note: *Data extracted from Reply by MoP to Lok Sabha Unstarred Question No. 1904 dated 11/12/2025 and Lok Sabha Unstarred Question No. 641 dated 05/02/2026;

^Large Hydro includes Pumped Storage Plants.

Source: Central Electricity Authority; Ministry of New and Renewable Energy; Optimal Generation Mix Report; Parliament Q&A, Ministry of Power (Power Sector at a Glance "ALL INDIA")

Table 2: MONTHLY GENERATION (BU)

Source		Jan-26	Y-o-Y Growth
Thermal		116	1.9% ↑
Nuclear		5	5% ↑
Hydro	Large	8	6% ↑
	Small	0.2	-72% ↓
Solar		15	22% ↑
Wind		6	9% ↑
Other (Biomass, Bagasse)		0.7	-72% ↓
Total		151	2.5% ↑

Note: Generation through Renewable Energy sources is prepared from Cumulative Daily generation reports of January 2026 which does not capture SHP separately. Hence, SHP generation has been provisionally kept in the same ratio as of 'SHP: Others' as per January 2025.

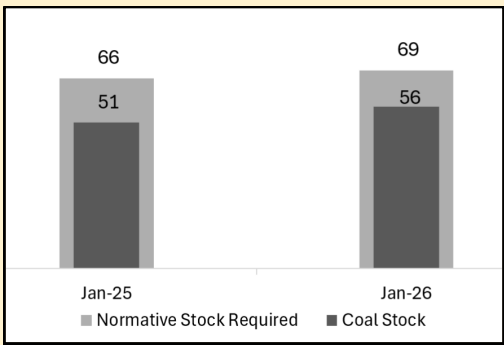
Source: Central Electricity Authority

Table 3: TRANSMISSION INFRASTRUCTURE

Parameter	NEP Target (2032)	Under Planning^	Under Construction*	Jan-26	Y-o-Y Growth
Total Transmission Line Capacity (≥ 220 kV) ('000 ckm)	648	77	70	502	2%
ISTS	295	43	33	218	2%
InSTS	354	33	36	284	2%
Transformation capacity ('000 MVA)	2,412	530	465	1416	9%
ISTS	1,281	348	328	605	12%
InSTS	1,131	182	138	811	7%
Inter-regional Trans. Capacity (GW)	168			120	1%

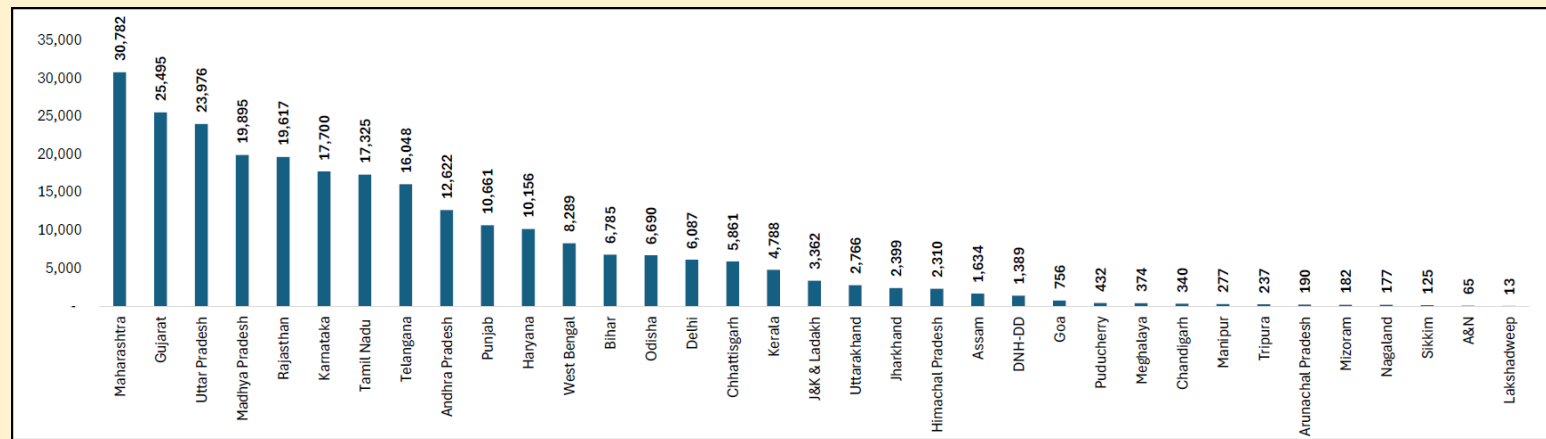
Note: ^Considering capacity to be added during FY 2027-32 as under planning stage;
*Considering capacity to be added during FY 2022-27 as under construction stage
Source: NEP: National Electricity Plan (Volume II) Transmission;
Central Electricity Authority

Figure 3: COAL STOCK (million metric tonnes)



Source: National Power Portal

Figure 4: STATE-WISE PEAK DEMAND (MW) IN JANUARY 2026



Source: Central Electricity Authority

KEY HIGHLIGHTS

- Unit-4 (800 MW Thermal Power Plant) of TSGENCO's YADADRI TPS, Unit-6 (800 MW Thermal Power Plant) of TNPGL's NORTH CHENNAI TPP and Unit-3 (250 MW Hydro Power Plant) of NHPC's Subansiri Lower, was added in the Indian Grid in the month of January 2026.
- MoP issued Draft National Electricity Policy, 2026 which focuses on boosting renewable energy with storage, introducing multiple distribution licensees for competition, strengthening grid security, ensuring financial viability for DISCOMs to support 24x7 power, focuses on cyber security, etc.
- India's national power transmission network has achieved a significant milestone, crossing over 5 lakh circuit kilometres (ckm) of transmission lines (220 kV and above) along with ~1,400 GVA of transformation capacity (220 kV and above). The inter-regional power transfer capacity stands at 1,20,340 MW enabling seamless transfer of electricity across regions, successfully realizing the vision of "One Nation – One Grid – One Frequency."
- India's DISCOMs have collectively recorded a positive Profit After Tax of Rs. 2,701 Cr. in FY 2024-25 marking a significant turning point for the sector against the loss of Rs. 25,553 Cr. in FY 2023-24 and a loss of Rs. 67,962 Cr. in FY 2013-14.

[All data was last accessed on 23rd February 2026]



POWER FOUNDATION OF INDIA

PFI is a Policy Research and Advocacy entity registered as a society under the aegis of Ministry of Power (MoP), Government of India. It is supported by leading Central Power Sector Organizations to undertake evidence-based policy research and facilitate informed decision making by the MoP, Central & State Electricity Regulatory Commissions and other concerned stakeholders.

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