

POWER SUPPLY, PEAK DEMAND AND AVAILABILITY OF COAL

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There is adequate availability of power in the country. Present installed generation capacity of the country is 524 GW (as on 28th February, 2026). Government of India has addressed the critical issue of power deficiency by adding 299.87 GW of fresh generation capacity since April, 2014 transforming the country from power deficit to power sufficient.

Country had successfully met the all-time maximum demand of 250 GW in Financial Year (FY) 2024-25. The details of 'Power Supply Position' in terms of peak demand and energy requirement of country for last three FY and the current FY 2025-26 (upto February, 2026) are given at **Table-1**. The state- wise 'Power Supply Position' in terms of energy for last three financial years and the current financial year i.e. FY 2025-26 (up to February, 2026) is given at **Table-2**. The 'energy supplied' & 'peak demand' met has been commensurate with the 'energy requirement' & 'peak demand' with only a marginal gap which is generally on account of constraints in the State transmission / distribution network.

As on 22.03.2026, the coal stock available with coal-based plants in the country is around 58.2 Million Tonnes (MTs), which is sufficient to run the plants for an average of 19 days at 85% Plant Load Factor (PLF).

Government of India has taken the following steps to meet the growing power demand in the coming years:

1. Generation and Storage Planning:

- i. As per National Electricity Plan (NEP), installed generation capacity in 2031-32 is likely to be 874 GW. With a view to ensure generation capacity remains ahead of projected peak demand, all the States, in consultation with CEA, have prepared their "Resource Adequacy Plans (RAPs)", which are dynamic 10-year rolling plans and includes power generation as well as power procurement planning.
- ii. All the States were advised to initiate process for creating/ contracting generation capacities; from all generation sources, as per their Resource Adequacy Plans.
- iii. In order to augment the power generation capacity, the Government of India has initiated following capacity addition programme:

(A) The projected thermal (coal and lignite) capacity requirement by the year 2034–35 is estimated at approximately 3,07,000 MW as against the 2,11,855 MW installed capacity as on 31.03.2023. To meet this requirement, Ministry of Power has envisaged to set up an additional minimum 97,000 MW coal and lignite based thermal capacity.

Further, following initiatives have also been undertaken: -

Thermal capacities of around 18,160 MW have been commissioned since April 2023 till 31.01.2026. In addition, 38,745 MW of thermal capacity (including 4,845 MW of stressed thermal power projects) is currently under construction. The contracts of 22,920 MW have been awarded and are due for construction. Also, 24,020 MW of coal and lignite-based candidate capacity has been identified which is at various stages of planning in the country.

(B) 12,723.50 MW of Hydro Electric Projects are under construction till 31.01.2026. Further, 4,274 MW of Hydro Electric Projects are under various stage of planning and targeted to be completed by 2031-32.

(C) 6,600 MW of Nuclear Capacity is under construction till 31.01.2026 and targeted to be completed by 2029-30. 7,000 MW of Nuclear Capacity is under various stages of planning and approval.

(D) 1,54,830 MW Renewable Capacity including 64,670 MW of Solar, 6,490 MW of Wind and 59,990 MW Hybrid power is under construction till 31.01.2026 while 47,920 MW of Renewable Capacity including 35,440 MW of Solar and 10,080 MW Hybrid Power is at various stages of planning and targeted to be completed by 2029-30.

(E) In energy storage systems, as on 31.01.2026, 13,120 MW / 78,720 MWh Pumped Storage Projects (PSPs) are under construction. Further, a total of 9,580 MW/57,480 MWh capacity of Pumped Storage Projects (PSPs) are concurred and yet to be taken up for construction. As on 31.01.2026, 10,658.94 MW / 28739.32 MWh Battery Energy Storage System (BESS) capacity are under construction, and 22,347.15 MW/ 69,836.70 MWh BESS capacity are under tendering stage.

2. Transmission Planning:

1. Inter and Intra-State Transmission System has been planned and implementation of the same is taken up in matching time frame of generation capacity addition. As per the National Electricity Plan, about 1,91,474 ckm of transmission lines and 1,274 GVA of transformation capacity is planned to be added (at 220 kV and above voltage level) during the ten-year period from 2022-23 to 2031-32.

In addition to the above, the Ministry of Power has issued guidelines dated 14.06.2024, 21.03.2025 and 15.12.2025 regarding the payment of compensation for Right of Way (RoW) for transmission lines, wherein the land rate has been linked to the prevailing market rate. These guidelines address the key challenges of RoW arising from landowners demanding higher compensation than the rates determined by the State Government.

3. Promotion of Renewable Energy Generation:

- i. 100% Inter State Transmission System (ISTS) charges have been waived for inter-state sale of solar and wind power for projects to be commissioned by 30th June 2025 (with waiver tapering off 25% annually till June 2028), for co-located BESS projects commissioned by June 2028, for Hydro PSP projects where construction work awarded by June 2028, for Green Hydrogen Projects commissioned till December 2030 and for offshore wind projects commissioned till December 2032.
- ii. Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar, Wind, Wind-Solar Hybrid and Firm & Dispatchable RE (FDRE) projects have been issued.
- iii. Renewable Energy Implementing Agencies (REIAs) are regularly inviting bids for procurement of RE power.
- iv. Foreign Direct Investment (FDI) has been permitted up to 100 percent under the automatic route.
- v. To augment transmission infrastructure needed for steep RE trajectory, transmission plan has been prepared till 2032.
- vi. Laying of new intrastate transmission lines and creating new sub-station capacity has been supported under the Green Energy Corridor Scheme for evacuation of renewable power.
- vii. Scheme for setting up of Solar Parks and Ultra Mega Solar Power projects is being implemented to provide land and transmission to RE developers for installation of RE projects at large scale.
- viii. Schemes such as Pradhan Mantri Kisan Urja Surakshaevam Utthaan Mahabhiyan (PM-KUSUM), PM Surya Ghar Muft Bijli Yojana, National Programme on High Efficiency Solar PV Modules, New Solar Power Scheme (for Tribal and PVTG Habitations/Villages) under Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM JANMAN) and Dharti Aabha Janjatiya Gram Utkarsh Abhiyan (DA JGUA), National Green Hydrogen Mission, Viability Gap Funding (VGF) Scheme for Offshore Wind Energy Projects have been launched.

- ix. To encourage RE consumption, Renewable Purchase Obligation (RPO) followed by Renewable Consumption Obligation (RCO) trajectory has been notified till 2029-30. The RCO which is applicable to all designated consumers under the Energy Conservation Act, 2001 will attract penalties on non-compliance.
- x. “Strategy for Establishment of Offshore Wind Energy Projects” has been issued.
- xi. Green Day Ahead Market (GDAM) and Green Term Ahead Market (GTAM) have been launched to facilitate sale of Renewable Energy Power through exchanges.
- xii. Production Linked Incentive (PLI) scheme has been launched to achieve the objective of localization of supply chain for solar PV Modules.

Table-1

The details of actual Power Supply Position of the country for last three years and the current year i.e. 2025-26 (upto February, 2026) in terms of Energy and Peak

Financial Year	Energy Requirement	Energy Supplied	Energy not Supplied		Peak Demand	Peak Met	Demand not Met	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
2022-23	15,13,497	15,05,914	7,583	0.5	2,15,888	2,07,231	8,657	4.0
2023-24	16,26,132	16,22,020	4,112	0.3	2,43,271	2,39,931	3,340	1.4
2024-25	16,93,959	16,92,369	1,590	0.1	2,49,856	2,49,854	2	0.0
2025-26 (upto February, 2026)	15,59,347	15,58,892	454	0.0	2,45,444	2,45,416	28	0.0

Table -2

Power Supply Position – Energy

						(Figures in MU net)
State/	April, 2022 - March, 2023				April, 2023 - March, 2024	

System /	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
Region	(MU)	(MU)	(MU)	(%)	(MU)	(MU)	(MU)	(%)
Chandigarh	1,788	1,788	0	0.0	1,789	1,789	0	0.0
Delhi	35,143	35,133	10	0.0	35,501	35,496	5	0.0
Haryana	61,451	60,945	506	0.8	63,983	63,636	348	0.5
Himachal Pradesh	12,649	12,542	107	0.8	12,805	12,767	38	0.3
Jammu & Kashmir	19,639	19,322	317	1.6	20,040	19,763	277	1.4
Punjab	69,522	69,220	302	0.4	69,533	69,528	5	0.0
Rajasthan	1,01,801	1,00,057	1,745	1.7	1,07,422	1,06,806	616	0.6
Uttar Pradesh	1,44,251	1,43,050	1,201	0.8	1,48,791	1,48,287	504	0.3
Uttarakhand	15,647	15,386	261	1.7	15,644	15,532	112	0.7
Northern Region	4,63,088	4,58,640	4,449	1.0	4,76,852	4,74,946	1,906	0.4
Chhattisgarh	37,446	37,374	72	0.2	39,930	39,872	58	0.1
Gujarat	1,39,043	1,38,999	44	0.0	1,45,768	1,45,740	28	0.0
Madhya Pradesh	92,683	92,325	358	0.4	99,301	99,150	151	0.2
Maharashtra	1,87,309	1,87,197	111	0.1	2,07,108	2,06,931	176	0.1
Dadra & Nagar Haveli and Daman & Diu	10,018	10,018	0	0.0	10,164	10,164	0	0.0

Goa	4,669	4,669	0	0.0	5,111	5,111	0	0.0
Western Region	4,77,393	4,76,808	586	0.1	5,17,714	5,17,301	413	0.1
Andhra Pradesh	72,302	71,893	410	0.6	80,209	80,151	57	0.1
Telangana	77,832	77,799	34	0.0	84,623	84,613	9	0.0
Karnataka	75,688	75,663	26	0.0	94,088	93,934	154	0.2
Kerala	27,747	27,726	21	0.1	30,943	30,938	5	0.0
Tamil Nadu	1,14,798	1,14,722	77	0.1	1,26,163	1,26,151	12	0.0
Puducherry	3,051	3,050	1	0.0	3,456	3,455	1	0.0
Lakshadweep (#)	64	64	0	0.0	64	64	0	0.0
Southern Region	3,71,467	3,70,900	567	0.2	4,19,531	4,19,293	238	0.1
Bihar	39,545	38,762	783	2.0	41,514	40,918	596	1.4
DVC	26,339	26,330	9	0.0	26,560	26,552	8	0.0
Jharkhand	13,278	12,288	990	7.5	14,408	13,858	550	3.8
Odisha	42,631	42,584	47	0.1	41,358	41,333	25	0.1
West Bengal	60,348	60,274	74	0.1	67,576	67,490	86	0.1
Sikkim	587	587	0	0.0	544	543	0	0.0
Andaman-Nicobar (#)	348	348	0	0.12914	386	374	12	3.2
Eastern Region	1,82,791	1,80,888	1,903	1.0	1,92,013	1,90,747	1,266	0.7
Arunachal Pradesh	915	892	24	2.6	1,014	1,014	0	0.0

Assam	11,465	11,465	0	0.0	12,445	12,341	104	0.8
Manipur	1,014	1,014	0	0.0	1,023	1,008	15	1.5
Meghalaya	2,237	2,237	0	0.0	2,236	2,066	170	7.6
Mizoram	645	645	0	0.0	684	684	0	0.0
Nagaland	926	873	54	5.8	921	921	0	0.0
Tripura (##)	1,547	1,547	0	0.0	1,691	1,691	0	0.0
North-Eastern Region	18,758	18,680	78	0.4	20,022	19,733	289	1.4
All India	15,13,497	15,05,914	7,583	0.5	16,26,132	16,22,020	4,112	0.3

(#) Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and supply.

(##) Excludes energy exported to Bangladesh.

Note: Power Supply Position Report has been compiled based on the data furnished by State Utilities/ Electricity Departments.

Power Supply Position - Energy

						(Figures in MU net)		
State/	April, 2024 - March, 2025				April, 2025 - February, 2026			
System /	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
Region	(MU)	(MU)	(MU)	(%)	(MU)	(MU)	(MU)	(%)
Chandigarh	1,952	1,952	0	0.0	1,765	1,764	1	0.0
Delhi	38,255	38,243	12	0.0	36,023	36,015	8	0.0
Haryana	70,149	70,120	30	0.0	65,694	65,629	65	0.1

Himachal Pradesh	13,566	13,526	40	0.3	12,600	12,556	44	0.3
Jammu & Kashmir	20,374	20,283	90	0.4	18,501	18,484	17	0.1
Punjab	77,423	77,423	0	0.0	70,563	70,490	73	0.1
Rajasthan	1,13,833	1,13,529	304	0.3	1,02,187	1,02,187	0	0.0
Uttar Pradesh	1,65,090	1,64,786	304	0.2	1,51,573	1,51,548	26	0.0
Uttarakhand	16,770	16,727	43	0.3	15,290	15,236	54	0.4
Northern Region	5,18,869	5,17,917	952	0.2	4,75,646	4,75,360	286	0.1
Chhattisgarh	43,208	43,180	28	0.1	38,547	38,538	8	0.0
Gujarat	1,51,878	1,51,875	3	0.0	1,42,970	1,42,969	0	0.0
Madhya Pradesh	1,04,445	1,04,312	133	0.1	94,890	94,879	10	0.0
Maharashtra	2,01,816	2,01,757	59	0.0	1,83,454	1,83,446	9	0.0
Dadra & Nagar Haveli and Daman & Diu	10,852	10,852	0	0.0	10,251	10,251	0	0.0
Goa	5,411	5,411	0	0.0	4,943	4,943	0	0.0
Western Region	5,28,924	5,28,701	223	0.0	4,87,565	4,87,537	28	0.0
Andhra Pradesh	79,028	79,025	3	0.0	73,109	73,102	7	0.0
Telangana	88,262	88,258	4	0.0	77,291	77,283	8	0.0
Karnataka	92,450	92,446	4	0.0	85,519	85,509	11	0.0
Kerala	31,624	31,616	8	0.0	28,098	28,095	3	0.0

Tamil Nadu	1,30,413	1,30,408	5	0.0	1,20,162	1,20,151	11	0.0
Puducherry	3,549	3,549	0	0.0	3,202	3,198	3	0.1
Lakshadweep (#)	68	68	0	0.0	66	66	0	0.0
Southern Region	4,25,373	4,25,349	24	0.0	3,87,426	3,87,383	43	0.0
Bihar	44,393	44,217	176	0.4	43,751	43,737	14	0.0
DVC	25,891	25,888	3	0.0	22,636	22,633	3	0.0
Jharkhand	15,203	15,126	77	0.5	14,121	14,116	5	0.0
Odisha	42,882	42,858	24	0.1	40,490	40,484	6	0.0
West Bengal	71,180	71,085	95	0.1	66,876	66,812	64	0.1
Sikkim	574	574	0	0.0	501	501	0	0.0
Andaman- Nicobar (#)	425	413	12	2.9	389	370	19	4.9
Eastern Region	2,00,180	1,99,806	374	0.2	1,88,432	1,88,339	93	0.0
Arunachal Pradesh	1,050	1,050	0	0.0	1,098	1,097	0	0.0
Assam	12,843	12,837	6	0.0	12,711	12,710	1	0.0
Manipur	1,079	1,068	10	0.9	1,082	1,079	3	0.2
Meghalaya	2,046	2,046	0	0.0	1,917	1,917	0	0.0
Mizoram	709	709	0	0.0	691	691	0	0.0
Nagaland	938	938	0	0.0	922	922	0	0.0
Tripura (##)	1,939	1,939	0	0.0	1,770	1,770	0	0.0

North-Eastern Region	20,613	20,596	16	0.1	20,277	20,274	4	0.0
All India	16,93,959	16,92,369	1,590	0.1	15,59,347	15,58,892	454	0.0

(#) Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and supply.

(##) Excludes energy exported to Bangladesh.

Note: Power Supply Position Report has been compiled based on the data furnished by State Utilities/ Electricity Departments.

This Information was given by The Minister of State in the Ministry Of Power , Shri Shripad Naik, in a written reply in the Rajya Sabha today.

NR/ MD/AP

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