

GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1119
ANSWERED ON 05.02.2026

INCREASING DEMAND OF ELECTRICITY

1119. SHRI ANIL YESHWANT DESAI:

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

- (a) whether consumption of electricity has increased across the country during the last three years and the current year and if so, the details thereof;**
- (b) whether the present generation of electricity is sufficient to meet the demand in the various States of the country and if so, the details thereof, including Maharashtra and if not, the reasons therefor;**
- (c) the steps taken/being taken by the Government to meet the increasing demand for electricity including generation of sources from new and renewable electricity; and**
- (d) whether the Government has approved new power projects in the country, particularly in Maharashtra and if so, the details thereof?**

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) & (b): The consumption of electricity has consistently increased by approximately 12.4 % in the country during the last three financial years i.e. from 2022-23 to 2024-25. The details of all India Power Supply Position in the country in terms of Energy during the last three financial years and current financial year 2025-26 (up to December, 2025) are given at Annexure-I.

The State-wise details of actual Power Supply Position including Maharashtra for last three financial years and the current financial year i.e. 2025-26 (up to December, 2025) is given at Annexure-II. These details indicate that 'Energy Supplied' has been commensurate to the 'Energy Requirement' with only a marginal gap which is generally on account of constraints in the State transmission/ Distribution network. Hence, there is no impact of shortage on the economy and industrial growth.

(c) : The Government have taken the following steps to meet the increasing demand of electricity in the country:

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.

To meet this requirement, several initiatives have already been undertaken. Thermal capacities of around 17,360 MW have already been commissioned since April 2023 till 20.01.2026. In addition, 39,545 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 is due for construction. Further, 24,020 MW of coal and lignite-based candidate capacity has been identified which is at various stages of planning in the country.

(B) 12,973.5 MW of Hydro Electric Projects are under construction. 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 and targeted to be completed by 2029-30. 7,000 MW of Nuclear Capacity is under various stages of planning and approval.

(D) 1,57,800 MW Renewable Capacity including 67,280 MW of Solar, 6,500 MW of Wind and 60,040 MW Hybrid power is under construction while 48,720 MW of Renewable Capacity including 35,440 MW of Solar and 11,480 MW Hybrid Power is at various stages of planning and targeted to be completed by 2029-30.

(E) In energy storage systems, 11,620 MW/69,720 MWh Pumped Storage Projects (PSPs) are under construction. Further, a total of 6,580 MW/39,480 MWh capacity of Pumped Storage Projects (PSPs) are concurred and yet to be taken up for construction. Currently, 9,653.94 MW/ 26,729.32 MWh Battery Energy Storage System (BESS) capacity are under construction and 19,797.65 MW/ 61,013.40 MWh BESS capacity are under tendering stage

2. Transmission Planning: 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.

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 Suraksha evam 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 Term Ahead Market (GTAM) has 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.**

(d) : As per Section 7 of Electricity Act, 2003, any generating company may establish, operate and maintain a generating station without requiring a license under Electricity Act, 2003 if it complies with the technical standards relating to connectivity with the grid.

Details of under construction power plant in the country including under construction Hydro pumped projects in Maharashtra are given at Annexure-III.

ANNEXURE-I**ANNEXURE REFERRED IN REPLY TO PARTS (a) & (b) OF UNSTARRED
QUESTION NO. 1119 ANSWERED IN THE LOK SABHA ON 05.02.2026**

The details of all India Power Supply Position in the country in terms of Energy during the last three financial years and current financial year 2025-26

Financial Year	Energy Requirement		Energy Supplied		Energy Not Supplied	
	(MU)	% Growth	(MU)	% Growth	(MU)	(%)
2022-23	1,513,497	-	1,505,914	-	7,583	0.5
2023-24	1,626,132	7.4	1,622,020	7.7	4,112	0.3
2024-25	1,693,959	4.2	1,692,369	4.3	1,590	0.1
2024-25 (upto December, 2024)	1,280,037	-	1,278,565	-	1,472	0.1
2025-26 (upto December, 2025)	12,85,913	0.5	12,85,553	0.5	360	0.0

**ANNEXURE REFERRED IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1119
ANSWERED IN THE LOK SABHA ON 05.02.2026**

The State-wise details of actual Power Supply Position for last three financial years and the current financial year i.e. 2025-26 (upto December, 2025)

(Figures in MU)

State/ System / Region	April, 2022 - March, 2023				April, 2023 - March, 2024			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	(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

The State-wise details of actual Power Supply Position for last three financial years and the current financial year i.e. 2025-26 (upto December, 2025)

(Figures in MU)

State/ System / Region	April, 2024 - March, 2025				April, 2025 - December, 2025			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)	(MU)	(MU)	(MU)	(%)
Chandigarh	1,952	1,952	0	0.0	1,509	1,382	127	8.4
Delhi	38,255	38,243	12	0.0	31,006	30,999	7	0.0
Haryana	70,149	70,120	30	0.0	55,932	55,867	65	0.1
Himachal Pradesh	13,566	13,526	40	0.3	10,329	10,294	36	0.3
Jammu & Kashmir	20,374	20,283	90	0.4	14,874	14,862	12	0.1
Punjab	77,423	77,423	0	0.0	60,827	60,786	41	0.1
Rajasthan	1,13,833	1,13,529	304	0.3	82,763	82,763	0	0.0
Uttar Pradesh	1,65,090	1,64,786	304	0.2	1,29,329	1,29,304	26	0.0
Uttarakhand	16,770	16,727	43	0.3	12,630	12,582	49	0.4
Northern Region	5,18,869	5,17,917	952	0.2	4,00,413	4,00,176	236	0.1
Chhattisgarh	43,208	43,180	28	0.1	31,502	31,494	8	0.0
Gujarat	1,51,878	1,51,875	3	0.0	1,17,364	1,17,364	0	0.0
Madhya Pradesh	1,04,445	1,04,312	133	0.1	75,081	75,073	8	0.0
Maharashtra	2,01,816	2,01,757	59	0.0	1,48,848	1,48,839	9	0.0
Dadra & Nagar Haveli and Daman & Diu	10,852	10,852	0	0.0	8,439	8,439	0	0.0
Goa	5,411	5,411	0	0.0	4,086	4,086	0	0.0
Western Region	5,28,924	5,28,701	223	0.0	3,95,551	3,95,526	25	0.0
Andhra Pradesh	79,028	79,025	3	0.0	59,543	59,537	6	0.0
Telangana	88,262	88,258	4	0.0	61,062	61,055	7	0.0
Karnataka	92,450	92,446	4	0.0	67,547	67,538	9	0.0
Kerala	31,624	31,616	8	0.0	22,949	22,946	2	0.0
Tamil Nadu	1,30,413	1,30,408	5	0.0	99,901	99,892	10	0.0
Puducherry	3,549	3,549	0	0.0	2,691	2,688	3	0.1
Lakshadweep	68	68	0	0.0	54	54	0	0.0
Southern Region	4,25,373	4,25,349	24	0.0	3,13,730	3,13,692	38	0.0
Bihar	44,393	44,217	176	0.4	37,294	34,102	3,191	8.6
DVC	25,891	25,888	3	0.0	18,595	18,592	3	0.0
Jharkhand	15,203	15,126	77	0.5	11,735	11,731	5	0.0
Odisha	42,882	42,858	24	0.1	34,064	34,059	5	0.0
West Bengal	71,180	71,085	95	0.1	56,878	56,846	32	0.1
Sikkim	574	574	0	0.0	382	382	0	0.0
Andaman- Nicobar	425	413	12	2.9	318	301	17	5.5
Eastern Region	2,00,180	1,99,806	374	0.2	1,58,993	1,58,935	58	0.0
Arunachal Pradesh	1,050	1,050	0	0.0	909	909	0	0.0
Assam	12,843	12,837	6	0.0	10,973	10,973	1	0.0
Manipur	1,079	1,068	10	0.9	863	861	3	0.3
Meghalaya	2,046	2,046	0	0.0	1,542	1,542	0	0.0
Mizoram	709	709	0	0.0	559	559	0	0.0
Nagaland	938	938	0	0.0	772	772	0	0.0
Tripura	1,939	1,939	0	0.0	1,523	1,523	0	0.0
North-Eastern Region	20,613	20,596	16	0.1	17,228	17,224	3	0.0
All India	16,93,959	16,92,369	1,590	0.1	12,85,913	12,85,553	360	0.0

ANNEXURE-III

**ANNEXURE REFERRED IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 1119
ANSWERED IN THE LOK SABHA ON 05.02.2026**

(i) Details of Under Construction Thermal Power Plant:

Sl. No	Project Name / Implementing Agency	State	Sector	Unit No.	Capacity (MW)	
1	Buxar TPP (SJVN)	Bihar	CENTRAL	U-2	660	
2	Nabinagar STPP, St-II (NTPC)		CENTRAL	U-4	800	
3			CENTRAL	U-5	800	
4			CENTRAL	U-6	800	
5	Korba TPP, Ph-II (Lanco Amarkantak TPP), M/s Adani Power	Chhattisgarh	PRIVATE	U-3	660	
6			PRIVATE	U-4	660	
7	Singhitrai TPP, (M/s Vedanta)		PRIVATE	U-2	600	
8	Lara STPP St-II (NTPC)		CENTRAL	U-3	800	
9			CENTRAL	U-4	800	
10	Raipur Ext TPP, Ph-II /Adani Power		PRIVATE	U-3	800	
11			PRIVATE	U-4	800	
12	Raigarh USCTPP, St-II/ Adani Power		PRIVATE	U-2	800	
13			PRIVATE	U-3	800	
14	Korba(W) SCTPP (CSPGCL)		STATE	U-1	660	
15			STATE	U-2	660	
16	Sipat STPP, St-III (NTPC)	Gujarat	CENTRAL	U-1	800	
17	Akaltara TPP, JSW Energy		PRIVATE	U-4	600	
18			PRIVATE	U-5	600	
19			PRIVATE	U-6	600	
20	Binjkote TPP, M/s Sarda Energy Mineral		PRIVATE	U-3	300	
21			PRIVATE	U-4	300	
22	Ukai TPP/GSECL	Gujarat	STATE	U-7	800	
23	DCR TPP Ext., /HPGCL	Haryana	STATE	U-1	800	
24	Patratu STPP (PVUNL)	Jharkhand	CENTRAL	U-2	800	
25			CENTRAL	U-3	800	

26	Koderma TPS, St-II/ DVC		CENTRAL	U-1	800	
27			CENTRAL	U-2	800	
28	Gadarwara STPP, Ph-II(NTPC)	Madhya Pradesh	CENTRAL	U-3	800	
29			CENTRAL	U-4	800	
30			PRIVATE	U-3	800	
31			PRIVATE	U-4	800	
32			PRIVATE	U-5	800	
33			PRIVATE	U-6	800	
34	Koradi TPS,St-V (MSPGCL)	Maharashtra	STATE	U-11	660	
35			STATE	U-12	660	
36	Malibrahmani TPP, M/s Jindal Power	Odisha	PRIVATE	U-2	525	
37	Talcher TPP St-III (NTPC)		CENTRAL	U-1	660	
38			CENTRAL	U-2	660	
39			CENTRAL	U-1	800	
40	NLC TALABIRAI TPP (NLC)		CENTRAL	U-2	800	
41			CENTRAL	U-3	800	
42	North Chennai TPP, St-III (TNPGCL)	Tamil Nadu	STATE	U-6	660	
43	Udangudi STPP St-I (TNPGCL)		STATE	U-1	660	
44			STATE	U-2	660	
45			STATE	U-1	660	
46	Ennore SCTPP (TNPGCL)		STATE	U-2	660	
47	Telangana	STATE	U-4	800		
48		STATE	U-3	800		
49		STATE	U-5	800		
50		Singareni TPP,Ph-II/SCCL	STATE	U-3	800	
51	Ghatampur TPP (NUPPL)	Uttar Pradesh	CENTRAL	U-3	660	
52	Singrauli STPP, St-III (NTPC)		CENTRAL	U-8	800	
53			CENTRAL	U-9	800	
54	Raghunathpur TPS, Ph-II/DVC	West Bengal	CENTRAL	U-3	660	
55			CENTRAL	U-4	660	
56	Sagardighi TPP St-III (WBPDCL)		STATE	U-5	660	
Total					39,545	

(ii) Details of Under Construction Hydro Power Plant:

Sl. No.	Name of the Project (Executing Agency)	State / UT	Installed Capacity (No. X MW.)	Cap. Under Execution (MW)
	NHPC			
1	Subansiri Lower (NHPC)	Arunachal Pradesh/Assam	8x250	1,750.00
2	Dibang Multipurpose Project (NHPC)	Arunachal Pradesh	12x240	2,880.00
3	Teesta St. VI NHPC	Sikkim	4x125	500.00
4	Rangit-IV (NHPC)	Sikkim	3x40	120.00
5	Ratle (RHEPPL / NHPC)	UT of Jammu & Kashmir	4x205 + 1x30	850.00
	CVPPL			
6	Pakal Dul (CVPPL)	UT of Jammu & Kashmir	4x250	1,000.00
7	Kiru (CVPPL)	UT of Jammu & Kashmir	4x156	624.00
8	Kwar (CVPPPL)	UT of Jammu & Kashmir	4x135	540.00
	SJVN			
9	Luhri-I (SJVN)	Himachal Pradesh	2x80+2x25	210.00
10	Dhaulasidh (SJVN)	Himachal Pradesh	2x33	66.00
11	Sunni Dam (SJVN)	Himachal Pradesh	4x73+1x73+1x17	382.00
	THDC			
12	Vishnugad Pipalkoti (THDC)	Uttarakhand	4x111	444.00
	NTPC			
13	Tapovan Vishnugad (NTPC)	Uttarakhand	4x130	520.00
14	Rammam-III (NTPC)	West Bengal	3x40	120.00
	NEEPCO			
15	HEO	Arunachal Pradesh	3x80	240.00
16	Tato-I	Arunachal Pradesh	3x62	186.00

APGENCO				
17	Polavaram (APGENCO/ Irrigation Dept., A.P.)	Andhra Pradesh	12x80	960.00
18	Lower Sileru Extension (APGENCO)	Andhra Pradesh	2x115	230.00
	HPPCL			
19	Shongtong Karcham (HPPCL)	Himachal Pradesh	3x150	450.00
20	Chanju-III (HPPCL)	Himachal Pradesh	3x16	48.00
	KSEB			
21	Mankulam (KSEB)	Kerala	2x20	40.00
	APGCL			
22	Lower Kopli (APGCL)	Assam	2x55+2x2.5+1x5	120.00
	JKSPDC			
23	Parnai (JKSPDC)	UT of Jammu & Kashmir	3x12.5	37.50
	PSPCL			
24	Shahpurkandi (PSPCL/ Irrigation Deptt., Pb.)	Punjab	3x33+3x33+1x8	206.00
	UJVNL			
25	Lakhwar Multipurpose Project (UJVNL)	Uttarakhand	3x100	300.00
	Statkraft			
26	Tidong-I (Statkraft IPL)	Himachal Pradesh	3x50	150.00
	Total:			12,973.00

(iii) Details of Nuclear Power Plants Under construction and planned

Sr No.	Project Site	Project-Unit	Capacity (MW)
1	Rawatbhata, Rajasthan	RAPP-8	1 x 700
2	Kudankulam, Tamil Nadu	KKNPP-3	1 x 1000
3	Kudankulam, Tamil Nadu	KKNPP-4	1 x 1000
4	Kalpakkam Tamil Nadu	PFBR	1x 500
5	Kudankulam, Tamil Nadu	KKNPP-5&6	2 x 1000
6	Gorakhpur, Haryana	GHAVP-1	1 x 700
7	Gorakhpur, Haryana	GHAVP-2	1 x 700
	Total		6,600

(iv) Hydro Pumped Storage Projects in the state of Maharashtra

S. No	Name of Scheme	Sector	State/UT	Developer	Installed Capacity (MW)
1	Shirawta Pumped Storage project	Private	Maharashtra	Tata Power Company Ltd	1,800
2	Pane Pumped Storage project	Private	Maharashtra	JSW Energy PSP 7L	1,500
3	Tarali Pumped Storage project	Private	Maharashtra	Adani Renewable Energy One Ltd	1,500
4	Saidongar-I Karjat Pumped Storage project	Private	Maharashtra	Torrent Energy Storage Solution pvt Ltd.	3,000
Total					7,800
