

GOVERNMENT OF INDIA
MINISTRY OF POWER
RAJYA SABHA
UNSTARRED QUESTION NO.2545
ANSWERED ON 10.08.2026

PEAK POWER DEMAND DURING SUMMER OF 2026

2545 SHRI RAJEEV KUMAR:

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

- (a) details of the evening-peak deficit and load-shedding, during the summer 2026 heatwave, State-wise;
- (b) the manner in which actual firm capacity addition compare to the National Electricity Plan trajectory;
- (c) the specific storage/dispatchable-capacity additions that are committed for the next three summers, with timelines; and
- (d) whether the department can give the assurance to publish seasonal State-wise peak- deficit and outage data?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) : There is adequate availability of power in the country. Present installed generation capacity of the country is 548.86 GW (as on June, 2026). The country has addressed the critical issue of power deficiency by adding 324.7 GW of generation capacity since April, 2014 transforming the country from power deficit to power sufficient. As on date, the all-time high All-India peak demand of 270.8 GW during solar hours (day time) and 253.3 GW during non-solar hours (evening time) was successfully met in the month of May 2026. The State-wise/ Region-wise Power Supply Position (in terms of energy, peak and peak during non-solar hours) for April, 2026 to June, 2026 is given at **Annexure-I**. The 'energy supplied' has been commensurate with the 'energy requirement' with only a marginal gap which is generally on account of constraints in the State transmission / distribution network.

(b) : As per the National Electricity Plan (Generation) for 2022-32 notified in May 2023, the total generation capacity addition required during 2022-27 was 211.82 GW comprising of 25.58 GW coal-based capacity, 10.46 GW Hydro, 131.57 GW Solar, 32.54 GW Wind, 2.32 GW Biomass, 0.352 GW Small hydro, 6.3 GW Nuclear, 2.7 GW PSP. In addition, 8.68 GW BESS was also planned to be added during the same period.

The actual capacity addition during 2022-23 to 2026-27 (till June, 2026) has been 158.014 GW comprising of 22.54 GW coal, 0.584 GW gas, 2.57 GW hydro, 2.68 GW PSP, 2.1 GW Nuclear, 108.15 GW solar, 17.09 GW wind and 2.3 GW from other RE Sources. Additionally, 2.928 GW BESS has also been added.

(c) : The details of projected storage / dispatchable-capacity additions [(Pumped Storage System (PSP) and Battery Storage System (BESS))] for next three Financial Years i.e. FY 2027-28 to 2029-30 is given at **Annexure –II**.

(d) : The Central Electricity Authority (CEA) regularly publishes the monthly and annual Power Supply Position reports based on the details of State-wise Energy Requirement & Energy Supplied (MU), and Peak Demand & Peak Met (MW) received from the respective State Power Utilities.

**ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2545
ANSWERED IN THE RAJYA SABHA ON 10.08.2026**

The State-wise/ Region-wise Power Supply Position for April, 2026:

State/ System / Region	April, 2026					
	Energy Requirement	Energy Supplied	Peak Demand during the day	Peak Met during the day	Peak Demand during non-solar hour	Peak Met during non-solar hour
	(MU)	(MU)	(MW)	(MW)	(MW)	(MW)
Chandigarh	138	138	340	340	318	318
Delhi	3,188	3,187	7,091	7,091	6,871	6,871
Haryana	5,314	5,292	11,018	11,018	11,018	11,018
Himachal Pradesh	924	921	1,839	1,839	1,538	1,538
Jammu & Kashmir	1,548	1,544	2,715	2,715	2,715	2,715
Punjab	5,249	5,140	11,863	11,863	11,614	11,614
Rajasthan	7,862	7,862	14,825	14,825	14,825	14,825
Uttar Pradesh	13,779	13,776	29,932	29,475	29,932	29,475
Uttarakhand	1,337	1,310	2,691	2,536	2,691	2,536
Northern Region	39,473	39,306	76,862	76,611	76,861	76,610
Chhattisgarh	4,653	4,642	7,080	7,078	7,080	7,078
Gujarat	14,049	14,049	25,795	25,786	22,442	22,442
Madhya Pradesh	8,841	8,841	14,375	14,375	14,149	14,149
Maharashtra	18,933	18,923	32,161	32,161	31,204	31,204
Dadra & Nagar Haveli and Daman & Diu	843	843	1,284	1,284	1,284	1,284
Goa	525	525	891	891	891	891
Western Region	49,140	49,119	81,355	81,355	77,124	77,124
Andhra Pradesh	8,126	8,126	14,145	14,145	12,014	11,986
Telangana	8,714	8,713	17,005	17,002	14,875	14,875
Karnataka	10,441	10,427	18,488	18,478	15,097	15,080
Kerala	3,256	3,250	6,488	6,178	6,488	6,178
Tamil Nadu	12,849	12,849	21,000	21,000	20,881	20,881
Puducherry	326	326	568	568	568	568
Lakshadweep	7	7	14	14		
Southern Region	43,717	43,696	74,473	74,469	64,099	63,767
Bihar	4,289	4,288	8,172	8,158	8,002	8,002
DVC	2,114	2,114	3,676	3,676	3,376	3,376
Jharkhand	1,388	1,387	2,409	2,409	2,409	2,409
Odisha	4,231	4,231	7,598	7,594	7,241	7,241
West Bengal	6,954	6,953	13,023	12,946	12,879	12,879
Sikkim	49	49	118	118	118	118
Andaman- Nicobar	40	39	73	67		
Eastern Region	19,029	19,028	32,832	32,758	33,814	32,758
Arunachal Pradesh	88	88	195	195	195	195
Assam	955	952	2,315	2,287	2,307	2,287
Manipur	94	94	252	252	252	252
Meghalaya	167	167	364	363	363	363
Mizoram	60	60	151	151	151	151
Nagaland	77	77	174	174	174	174
Tripura	156	156	366	366	366	366
North-Eastern Region	1,597	1,594	3,752	3,743	3,743	3,743
All India	1,52,956	1,52,743	2,56,117	2,56,117	2,45,250	2,44,025

The State-wise/ Region-wise Power Supply Position for May, 2026:

State/ System / Region	May, 2026					
	Energy Requirement	Energy Supplied	Peak Demand during the day	Peak Met during the day	Peak Demand during non-solar hour	Peak Met during non-solar hour
	(MU)	(MU)	(MW)	(MW)	(MW)	(MW)
Chandigarh	194	194	411	411	399	399
Delhi	4,215	4,214	8,439	8,439	8,204	8,204
Haryana	6,964	6,924	13,507	13,507	12,470	12,095
Himachal Pradesh	1,070	1,068	1,836	1,836	1,732	1,732
Jammu & Kashmir	1,637	1,626	3,063	3,063	2,816	2,776
Punjab	7,134	7,106	14,268	14,268	12,812	12,352
Rajasthan	9,930	9,930	17,333	17,333	17,333	17,333
Uttar Pradesh	16,815	16,808	31,824	31,824	31,824	31,824
Uttarakhand	1,545	1,544	2,982	2,982	2,982	2,982
Northern Region	49,649	49,557	87,675	87,675	85,286	84,623
Chhattisgarh	4,045	4,044	6,471	6,471	6,471	6,471
Gujarat	15,519	15,482	26,455	26,418	23,358	23,358
Madhya Pradesh	9,670	9,643	15,519	15,492	14,604	14,560
Maharashtra	20,235	20,102	32,430	32,317	32,193	31,338
Dadra & Nagar Haveli and Daman & Diu	892	892	1,358	1,358	1,358	1,358
Goa	535	535	875	875	875	875
Western Region	52,228	52,029	82,114	82,000	78,514	77,518
Andhra Pradesh	8,142	8,142	15,019	15,014	12,596	12,586
Telangana	7,320	7,319	12,717	12,706	10,531	10,515
Karnataka	9,198	9,198	17,695	17,682	14,577	14,577
Kerala	3,023	3,021	5,742	5,742	5,742	5,742
Tamil Nadu	12,411	12,410	19,425	19,425	19,425	19,425
Puducherry	335	335	577	577	577	577
Lakshadweep	7	7	14	14		
Southern Region	40,434	40,430	68,234	68,234	61,625	61,510
Bihar	4,523	4,523	8,646	8,628	8,702	7,784
DVC	2,098	2,098	3,431	3,427	3,431	3,427
Jharkhand	1,494	1,494	2,589	2,589	2,589	2,589
Odisha	4,390	4,389	8,829	8,823	7,611	7,611
West Bengal	7,131	7,129	13,340	13,340	13,340	13,340
Sikkim	43	43	100	100	100	100
Andaman- Nicobar	40	39	70	65		
Eastern Region	19,686	19,683	34,908	34,875	34,875	34,875
Arunachal Pradesh	94	94	184	184	184	184
Assam	1,173	1,170	2,495	2,495	2,495	2,495
Manipur	105	105	261	261	261	261
Meghalaya	181	181	368	368	368	368
Mizoram	62	62	153	153	153	153
Nagaland	90	90	191	191	191	191
Tripura	158	158	355	355	355	355
North-Eastern Region	1,864	1,862	3,952	3,952	3,952	3,952
All India	1,63,861	1,63,561	2,70,832	2,70,820	2,54,620	2,53,294

The State-wise/ Region-wise Power Supply Position for June, 2026:

State/ System / Region	June, 2026					
	Energy Requirement	Energy Supplied	Peak Demand during the day	Peak Met during the day	Peak Demand during non-solar hour	Peak Met during non-solar hour
	(MU)	(MU)	(MW)	(MW)	(MW)	(MW)
Chandigarh	214	214	456	456	419	419
Delhi	4,340	4,339	8,748	8,748	8,440	8,440
Haryana	7,697	7,665	15,558	15,558	14,504	14,504
Himachal Pradesh	1,138	1,136	1,913	1,913	1,846	1,846
Jammu & Kashmir	1,584	1,569	2,653	2,653	2,592	2,592
Punjab	9,123	9,082	17,004	17,004	16,433	16,433
Rajasthan	9,764	9,764	17,672	17,672	17,672	17,672
Uttar Pradesh	18,816	18,816	33,197	32,673	33,197	32,673
Uttarakhand	1,689	1,685	3,078	3,063	3,078	3,063
Northern Region	54,562	54,466	94,416	93,981	95,919	93,269
Chhattisgarh	3,792	3,788	5,990	5,990	5,990	5,990
Gujarat	16,543	16,543	28,833	28,833	24,741	24,741
Madhya Pradesh	8,400	8,400	13,439	13,439	13,236	13,236
Maharashtra	19,371	19,349	31,273	31,273	29,810	29,665
Dadra & Nagar Haveli and Daman & Diu	948	948	1,427	1,427	1,411	1,411
Goa	473	473	835	835	835	835
Western Region	50,630	50,604	80,330	80,330	75,054	75,054
Andhra Pradesh	7,540	7,537	13,935	13,935	12,088	12,067
Telangana	7,098	7,095	12,685	12,685	10,463	10,463
Karnataka	8,363	8,360	16,367	16,357	13,075	13,075
Kerala	2,618	2,610	5,481	5,472	5,481	5,472
Tamil Nadu	12,213	12,209	20,945	20,945	20,945	20,945
Puducherry	341	341	572	571	572	571
Lakshadweep	6	6	13	13		
Southern Region	38,176	38,156	64,266	64,266	58,462	57,916
Bihar	5,324	5,307	9,068	9,068	9,068	9,068
DVC	2,122	2,122	3,335	3,335	3,279	3,279
Jharkhand	1,549	1,548	2,583	2,583	2,345	2,345
Odisha	4,249	4,248	7,854	7,854	7,611	7,611
West Bengal	7,513	7,511	13,570	13,570	13,570	13,570
Sikkim	41	41	121	121	101	101
Andaman- Nicobar	40	39	70	65		
Eastern Region	20,805	20,783	34,324	34,324	34,324	34,324
Arunachal Pradesh	102	102	202	202	202	202
Assam	1,403	1,399	2,683	2,658	2,683	2,658
Manipur	103	103	264	264	264	264
Meghalaya	183	183	366	366	366	366
Mizoram	61	61	155	155	155	155
Nagaland	97	97	204	204	204	204
Tripura	177	177	366	366	366	366
North-Eastern Region	2,127	2,123	4,018	4,018	4,018	4,018
All India	1,66,300	1,66,131	2,65,184	2,64,768	2,55,172	2,52,127

**ANNEXURE REFERRED IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 2545
ANSWERED IN THE RAJYA SABHA ON 10.08.2026**

The details of projected storage/dispatchable-capacity additions [(Pumped Storage System (PSP) and Battery Storage System (BESS)] for next three Financial Years i.e. FY 2027-28 to 2029-30:

A. Pumped Storage System (PSP):

Sl. No	Project Name/Impl. Agency	Sector	State	Unit No.	Capacity (MW)	Anticipated Trial Run Date
F Y. 2027-28						
1	Saundatti PSP/M/s Greenko	Private	Karnataka	U-1 to U-6	1,600	Dec'2027
Sub-Total					1,600	
F Y. 2028-29						
1	Bhiwpuri PSP(M/s Tata Power Company Limited)	Private	Maharashtra	U-1 to U-6	1,000	Oct'2028
2	Bhawali PSP (M/s JSW Energy PSP Two Limited)	Private	Maharashtra	U-1 to U-7	1,500	Dec' 2028
3	Upper Sileru/APGENCO (Andhra Pradesh Power Generation Corporation Limited)	State	Andhra Pradesh	U-1to U-9	1,350	Feb'2029
4	Gandikota PSP (M/s Adani Renewable Energy Fifty-One Limited)	Private	Andhra Pradesh	U-1 to U-4	1,000	Mar'2029
Sub-Total					4,850	
F Y. 2029-30						
1	Tarali/Adani	Private	Maharashtra	U-1 to 6	1,500	Jun'2029
2	Saidongar-1 Karjat/ (M/s Torrent Energy Storage Solutions)	Private	Maharashtra	U-1 to 10	3,000	Dec'2029
Sub-Total)					4,500	
Grand Total					10,950	

B. Battery Storage System (BESS):

Financial Year (FY)	Month	MW	MWh
FY 2027-28	Apr-27	103.75	415
	May-27	1,000	4,825
	Jun-27	2,633.3	11,847.2
	Jul-27	2,861.1	6,527.2
	Aug-27	855	2,932
	Sep-27	2,955.394	5,911.117
	Oct-27	1,597.9	3,873.5
	Nov-27	1,260	3370
	Dec-27	1,625	6,851.5
	Jan-28	100	250
	Feb-28	2,480	9,161.5
	Mar-28	2,295	9,280
TOTAL (FY 2027-28)		19,766.444	65,244.017

FY 2028-29	Apr-28	770	3,120
	May-28	1,581	3,754
	Jun-28	1,773.75	3,555
	Jul-28	2,647.9	9,847.8
	Aug-28	550	1,700
	Sep-28	1.13	4.52
	Oct-28	1,442.5	5,758
	Nov-28	7,182.5	23,880
	Dec-28	2,965	9,683.5
	Jan-29	0	0
	Feb-29	0	0
	Mar-29	0	0
TOTAL (FY 2028-29)		18,913.78	61,302.82
FY 2029-30	Apr-29	0	0
	May-29	1,200	4,800
	Jun-29	0	0
	Jul-29	0	0
	Aug-29	0	0
	Sep-29	0	0
	Oct-29	0	0
	Nov-29	0	0
	Dec-29	0	0
	Jan-30	0	0
	Feb-30	0	0
	Mar-30	0	0
TOTAL (FY 2029-30)		1,200	4,800
