

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1711
ANSWERED ON 01.08.2024**

INCREASE IN DEMAND FOR ELECTRICITY

†1711 SHRI SATPAL BRAHAMCHARI:

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

- (a) whether the demand for electricity in many villages across the country is drastically increasing due to Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) run by the Government;**
- (b) if so, the details thereof, State and district-wise including Haryana;**
- (c) whether the Government is facing difficulty to manage the huge increase in power demand;**
- (d) if so, the details thereof and the reasons therefor;**
- (e) the number of villages facing acute shortage of electricity, State and district-wise; and**
- (f) the steps taken/being taken by the Government to meet the said demand?**

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) to (e) : Yes. However, there is adequate availability of power in the country. We have addressed the critical issue of power deficiency by adding 2,14,237 MW of generation capacity in the last ten years transforming our country from power deficit to power sufficient. We have increased the generation capacity by 79.5% from 2,48,554 MW in March 2014 to 4,46,190 MW in June, 2024.

We have added 1,95,181 ckt kilometre of transmission lines since April, 2014 connecting the whole country into one grid running on one frequency. This has enabled us to transfer 1,18,740 MW from one corner of the country to another.

During the last ten (10) years, we have implemented Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development (IPDS) Schemes to achieve the objective of providing uninterrupted power supply by strengthening the sub-transmission and distribution network.

We have also implemented the Pradhan Mantri Sahaj Bijli Har Ghar Yojana- (SAUBHAGYA) with the objective to achieve universal household electrification for providing electricity connection to all willing un-electrified household in rural area and all willing poor household in urban areas in the country.

Under these schemes, with an investment of 1.85 lakh crores, 18,374 villages have been electrified and 2.86 crore household were provided electricity connections. As a result, 100% of the villages have been electrified. Besides this, 2927 new substations have been added, upgradation of 3965 existing sub stations has been carried out, 6,92,200 Distribution Transformers have been installed, 7833 agriculture Feeder separation has been done and 8.5 Lakh Circuit Kilometer (CKm) of HT and LT lines have been added/upgraded. As a result of these measures, the availability of power supply in rural areas has increased from 12.5 Hours in 2015 to 21.9 Hours in 2024. The power supply in urban areas has increased to 23.4 Hours in 2024. The gap between Energy Requirement and Energy Supplied has come down from 4.2% in 2013-14 to 0.1% in FY 2024-25 (till June, 2024). The details of actual power supply position in the country in terms of Energy for the last five years and the current year till June, 2024 are given below:

Years	Energy [in Million Units (MU)]					
	Energy Requirement		Energy Supplied		Energy Not Supplied	
	(MU)	% Growth	(MU)	% Growth	(MU)	(%)
2019-20	1,291,010	1.3	1,284,444	1.3	6,566	0.5
2020-21	1,275,534	(-) 1.2	1,270,663	(-) 1.1	4,871	0.4
2021-22	1,379,812	8.2	1,374,024	8.1	5,787	0.4
2022-23	1,513,497	9.7	1,505,914	9.6	7,583	0.5
2023-24	1,626,132	7.4	1,622,020	7.7	4,112	0.3
2024-25 (upto June, 2024)*	451,746	---	451,172	---	574	0.1

*Figures for June, 2024 are provisional

It may be seen from the above figures that the growth in Energy Supplied has been by and large commensurate to the growth in Energy Requirement in the country with only a marginal gap between the two. Even this gap between

Energy Requirement and Energy Supplied is generally on account of constraints in the State transmission/distribution network, etc.

The details of State-Wise/Region-Wise actual power supply position in the country, including the State of Haryana, in terms of Energy from FY 2019-20 to FY 2023-24 and the current year till June, 2024 are enclosed in Annexure-I (a)-(f).

It may be mentioned that the power supply position details are available for the State as a whole and the supply to various consumers/districts of the State is the prerogative of the respective State Government / Distribution Entity.

(f): The following steps have been taken by Govt. of India for meeting the increasing electricity demand in the country:

(i) In order to ensure an uninterrupted power supply for the nation's growth, the anticipated capacity addition (Under Construction and Identified) by 2032 is given below:

- a) Thermal capacity of minimum 80,000 MW by 2032.**
- b) Hydro capacity of 25,010 MW by 2032.**
- c) Nuclear capacity of 14,300 MW by 2032.**
- d) Pump Storage Plants (PSP) capacity of 50,760 MW by 2032.**
- e) Small Hydro Capacity of 510 MW by 2032.**
- f) Solar Power Capacity of 1,43,980 MW by 2032.**
- g) Wind Power Capacity of 23,340 MW by 2032.**

Thus, total anticipated capacity addition by 2032 will be 3,37,900 MW.

(ii) Ministry has issued directions to imported coal-based plants under Section 11 of Electricity Act to operate and generate power to their full capacity. The direction has been extended till 15.10.2024 keeping in view the shortages during the evening peak periods.

(iii) Gas-based power plants of NTPC as well as other generators are being scheduled during high power demand period.

(iv) All the GENCOs including IPPs and Central generating stations have been advised to generate and maintain full availability on daily basis excluding the period of planned maintenance or forced outage.

(vi) Hydro based generation is being scheduled in a manner so as to conserve water for meeting demand during peak period.

(vii) Planned maintenance of generating units is being minimized during period of high demand.

viii) Government of India launched Revamped Distribution Sector Scheme (RDSS) in July, 2021 with the objective of improving the quality and reliability of power supply to consumers through a financially sustainable and operationally efficient Distribution Sector in the country. Under the scheme distribution infrastructure and smart metering works of about Rs. 2.62 Lakh Cr have been sanctioned.

Further, Electricity being a concurrent subject, supply and distribution of electricity to the consumers in a State/UT is within the purview of the respective State Government/Power Utility. Adequate quantum of power is available in the country. Making arrangement of appropriate quantum of power from various sources to meet the demand of electricity consumers in any State/UT is in the purview of the concerned State Government/Power Utilities. The Central Government only supplements the efforts of the State Governments by establishing power plants in Central Sector through Central Public Sector Undertakings (CPSUs) and allocating power from them to the various States/UTs including the State of Haryana.

ANNEXURE REFERRED IN REPLY TO PARTS (a) TO (e) OF UNSTARRED QUESTION NO. 1711 ANSWERED IN THE LOK SABHA ON 01.08.2024

State-wise Comparison of Power Supply Position - Energy (FY 2024-25)				
(Figures in MU net)				
State/	April, 2024 - June, 2024			
System /	Energy Requirement	Energy Supplied	Energy not Supplied	
Region	(MU)	(MU)	(MU)	(%)
Chandigarh	578	578	0	0.0
Delhi	11,614	11,606	8	0.1
Haryana	19,332	19,321	11	0.1
Himachal Pradesh	3,252	3,237	15	0.5
Jammu & Kashmir	4,815	4,791	25	0.5
Punjab	20,515	20,515	0	0.0
Rajasthan	28,946	28,744	202	0.7
Uttar Pradesh	48,846	48,765	80	0.2
Uttarakhand	4,682	4,668	14	0.3
Northern Region	142,980	142,626	354	0.2
Chhattisgarh	11,106	11,104	2	0.0
Gujarat	42,404	42,404	0	0.0
Madhya Pradesh	25,240	25,217	23	0.1
Maharashtra	53,338	53,334	5	0.0
Dadra & Nagar Haveli and Daman & Diu	2,696	2,696	0	0.0
Goa	1,437	1,431	6	0.4
Western Region	138,588	138,552	36	0.0
Andhra Pradesh	20,501	20,501	0	0.0
Telangana	19,411	19,411	0	0.0
Karnataka	23,704	23,704	0	0.0
Kerala	8,529	8,527	2	0.0
Tamil Nadu	35,385	35,385	0	0.0
Puducherry	970	970	0	0.0
Lakshadweep (#)	18	18	0	0.0
Southern Region	108,513	108,511	2	0.0
Bihar	12,601	12,514	87	0.7
DVC	6,762	6,761	1	0.0
Jharkhand	4,140	4,089	52	1.3
Odisha	11,996	11,991	5	0.0
West Bengal	20,806	20,775	31	0.2
Sikkim	137	137	0	0.0
Andaman- Nicobar (#)	114	112	3	2.6
Eastern Region	56,456	56,279	177	0.3
Arunachal Pradesh	245	245	0	0.0
Assam	3,314	3,309	5	0.1
Manipur	264	264	0	0.0
Meghalaya	491	491	0	0.0
Mizoram	166	166	0	0.0
Nagaland	233	233	0	0.0
Tripura	494	494	0	0.0
North-Eastern Region	5,208	5,204	5	0.1
All India	451,746	451,172	574	0.1

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

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

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State-wise Comparison of Power Supply Position - Energy (FY 2023-24)				
(Figures in MU net)				
State/ System / Region	April, 2023 - March, 2024			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)
Chandigarh	1,789	1,789	0	0.0
Delhi	35,501	35,496	5	0.0
Haryana	63,983	63,636	348	0.5
Himachal Pradesh	12,805	12,767	38	0.3
Jammu & Kashmir	20,040	19,763	277	1.4
Punjab	69,533	69,528	5	0.0
Rajasthan	107,422	106,806	616	0.6
Uttar Pradesh	148,791	148,287	504	0.3
Uttarakhand	15,644	15,532	112	0.7
Northern Region	476,852	474,946	1,906	0.4
Chhattisgarh	39,930	39,872	58	0.1
Gujarat	145,768	145,740	28	0.0
Madhya Pradesh	99,301	99,150	151	0.2
Maharashtra	207,108	206,931	176	0.1
Dadra & Nagar Haveli and Daman & Diu	10,164	10,164	0	0.0
Goa	5,111	5,111	0	0.0
Western Region	517,714	517,301	413	0.1
Andhra Pradesh	80,209	80,151	57	0.1
Telangana	84,623	84,613	9	0.0
Karnataka	94,088	93,934	154	0.2
Kerala	30,943	30,938	5	0.0
Tamil Nadu	126,163	126,151	12	0.0
Puducherry	3,456	3,455	1	0.0
Lakshadweep (#)	64	64	0	0.0
Southern Region	419,531	419,293	238	0.1
Bihar	41,514	40,918	596	1.4
DVC	26,560	26,552	8	0.0
Jharkhand	14,408	13,858	550	3.8
Odisha	41,358	41,333	25	0.1
West Bengal	67,576	67,490	86	0.1
Sikkim	544	543	0	0.0
Andaman- Nicobar (#)	386	374	12	3.2
Eastern Region	192,013	190,747	1,266	0.7
Arunachal Pradesh	1,014	1,014	0	0.0
Assam	12,445	12,341	104	0.8
Manipur	1,023	1,008	15	1.5
Meghalaya	2,236	2,066	170	7.6
Mizoram	684	684	0	0.0
Nagaland	921	921	0	0.0
Tripura	1,691	1,691	0	0.0
North-Eastern Region	20,022	19,733	289	1.4
All India	1,626,132	1,622,020	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.

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

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ANSWERED IN THE LOK SABHA ON 01.08.2024**

State-wise Comparison of Power Supply Position - Energy (FY 2022-23)				
(Figures in MU net)				
State/	April, 2022 - March, 2023			
System /	Energy Requirement	Energy Supplied	Energy not Supplied	
Region	(MU)	(MU)	(MU)	(%)
Chandigarh	1,788	1,788	0	0.0
Delhi	35,143	35,133	10	0.0
Haryana	61,451	60,945	506	0.8
Himachal Pradesh	12,649	12,542	107	0.8
Jammu & Kashmir	19,639	19,322	317	1.6
Punjab	69,522	69,220	302	0.4
Rajasthan	101,801	100,057	1,745	1.7
Uttar Pradesh	144,251	143,050	1,201	0.8
Uttarakhand	15,647	15,386	261	1.7
Northern Region	463,088	458,640	4,449	1.0
Chhattisgarh	37,446	37,374	72	0.2
Gujarat	139,043	138,999	44	0.0
Madhya Pradesh	92,683	92,325	358	0.4
Maharashtra	187,309	187,197	111	0.1
Dadra & Nagar Haveli and Daman & Diu	10,018	10,018	0	0.0
Goa	4,669	4,669	0	0.0
Western Region	477,393	476,808	586	0.1
Andhra Pradesh	72,302	71,893	410	0.6
Telangana	77,832	77,799	34	0.0
Karnataka	75,688	75,663	26	0.0
Kerala	27,747	27,726	21	0.1
Tamil Nadu	114,798	114,722	77	0.1
Puducherry	3,051	3,050	1	0.0
Lakshadweep (#)	64	64	0	0.0
Southern Region	371,467	370,900	567	0.2
Bihar	39,545	38,762	783	2.0
DVC	26,339	26,330	9	0.0
Jharkhand	13,278	12,288	990	7.5
Odisha	42,631	42,584	47	0.1
West Bengal	60,348	60,274	74	0.1
Sikkim	587	587	0	0.0
Andaman- Nicobar (#)	348	348	0	0.1
Eastern Region	182,791	180,888	1,903	1.0
Arunachal Pradesh	915	892	24	2.6
Assam	11,465	11,465	0	0.0
Manipur	1,014	1,014	0	0.0
Meghalaya	2,237	2,237	0	0.0
Mizoram	645	645	0	0.0
Nagaland	926	873	54	5.8
Tripura	1,547	1,547	0	0.0
North-Eastern Region	18,758	18,680	78	0.4
All India	1,513,497	1,505,914	7,583	0.5
(#) Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and supply.				
Note: Power Supply Position Report has been compiled based on the data furnished by State Utilities/ Electricity Departments.				

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State-wise Comparison of Power Supply Position - Energy (FY 2021-22)				
(Figures in MU net)				
State/ System / Region	April, 2021 - March, 2022			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	(%)
Chandigarh	1,606	1,606	0	0.0
Delhi	31,128	31,122	6	0.0
Haryana	55,499	55,209	290	0.5
Himachal Pradesh	12,115	12,088	27	0.2
Jammu & Kashmir	19,957	18,434	1,524	7.6
Punjab	62,846	62,411	436	0.7
Rajasthan	89,814	89,310	504	0.6
Uttar Pradesh	129,448	128,310	1,138	0.9
Uttarakhand	15,521	15,426	94	0.6
Northern Region	417,934	413,915	4,019	1.0
Chhattisgarh	31,908	31,872	35	0.1
Gujarat	123,953	123,666	287	0.2
Madhya Pradesh	86,501	86,455	46	0.1
Maharashtra	172,823	172,809	14	0.0
Daman & Diu	2,594	2,594	0	0.0
Dadra & Nagar Haveli	6,839	6,839	0	0.0
Goa	4,448	4,448	0	0.0
Western Region	429,065	428,683	383	0.1
Andhra Pradesh	68,413	68,219	194	0.3
Telangana	70,539	70,523	16	0.0
Karnataka	72,437	72,417	20	0.0
Kerala	26,579	26,570	9	0.0
Tamil Nadu	109,816	109,798	18	0.0
Puducherry	2,894	2,893	1	0.0
Lakshadweep (#)	56	56	0	0.0
Southern Region	350,678	350,421	258	0.1
Bihar	36,216	35,761	455	1.3
DVC	23,741	23,736	4	0.0
Jharkhand	11,148	10,590	558	5.0
Odisha	38,339	38,332	7	0.0
West Bengal	54,001	53,945	57	0.1
Sikkim	610	609	0	0.0
Andaman- Nicobar (#)	335	327	8	2.3
Eastern Region	164,054	162,973	1,081	0.7
Arunachal Pradesh	875	874	1	0.1
Assam	10,844	10,825	19	0.2
Manipur	1,019	1,018	1	0.1
Meghalaya	2,256	2,243	13	0.6
Mizoram	656	644	12	1.8
Nagaland	852	851	1	0.1
Tripura (*)	1,578	1,578	0	0.0
North-Eastern Region	18,079	18,033	47	0.3
All India	1,379,812	1,374,024	5,787	0.4
(#) Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and energy supplied.				
(*) Excludes energy exported to Bangladesh.				
Note: Power Supply Position Report has been compiled based on the data furnished by State Utilities/ Electricity Departments.				

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State-wise Comparison of Power Supply Position - Energy (FY 2020-21)				
State/ System / Region	(Figures in MU net)			
	April, 2020 - March, 2021			
	Energy Requirement (MU)	Energy Supplied (MU)	Energy not Supplied	
			(MU)	(%)
Chandigarh	1,523	1,523	0	0.0
Delhi	29,560	29,555	4	0.0
Haryana	53,161	53,108	53	0.1
Himachal Pradesh	10,186	10,130	56	0.5
Jammu & Kashmir	19,773	17,222	2,551	12.9
Punjab	58,445	58,377	67	0.1
Rajasthan	85,311	85,205	106	0.1
Uttar Pradesh	124,367	123,383	984	0.8
Uttarakhand	13,827	13,818	8	0.1
Northern Region	396,151	392,323	3,829	1.0
Chhattisgarh	30,472	30,449	22	0.1
Gujarat	111,622	111,622	0	0.0
Madhya Pradesh	83,437	83,437	0	0.0
Maharashtra	150,679	150,663	16	0.0
Daman & Diu	2,223	2,223	0	0.0
Dadra & Nagar Haveli	5,497	5,497	0	0.0
Goa	4,083	4,083	0	0.0
Western Region	388,013	387,975	38	0.0
Andhra Pradesh	62,080	62,076	4	0.0
Telangana	66,998	66,994	4	0.0
Karnataka	68,851	68,831	19	0.0
Kerala	25,118	25,102	16	0.1
Tamil Nadu	101,194	101,189	5	0.0
Puducherry	2,644	2,644	0	0.0
Lakshadweep (#)	56	56	0	0.0
Southern Region	326,885	326,836	48	0.0
Bihar	34,171	34,018	153	0.4
DVC	21,368	21,368	0	0.0
Jharkhand	9,953	9,675	278	2.8
Odisha	29,848	29,848	0	0.0
West Bengal	51,644	51,543	100	0.2
Sikkim	546	546	0	0.0
Andaman- Nicobar (#)	346	323	23	6.7
Eastern Region	147,530	146,999	531	0.4
Arunachal Pradesh	719	714	5	0.7
Assam	10,192	9,815	377	3.7
Manipur	974	969	5	0.5
Meghalaya	2,031	2,005	26	1.3
Mizoram	728	723	4	0.6
Nagaland	826	822	4	0.5
Tripura (*)	1,484	1,481	3	0.2
North-Eastern Region	16,955	16,531	424	2.5
All India	1,275,534	1,270,663	4,871	0.4

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

(*) Excludes energy exported to Bangladesh.

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ANSWERED IN THE LOK SABHA ON 01.08.2024**

State-wise Comparison of Power Supply Position - Energy (FY 2019-20)				
State/ System / Region	(Figures in MU net)			
	April, 2019 - March, 2020			
	Energy Requirement (MU)	Energy Supplied (MU)	Energy not Supplied (MU) (%)	
Chandigarh	1,732	1,732	0	0.0
Delhi	33,086	33,077	9	0.0
Haryana	54,505	54,492	13	0.0
Himachal Pradesh	10,424	10,353	71	0.7
UT of J&K and Ladakh	20,025	16,259	3,767	18.8
Punjab	56,776	56,770	6	0.0
Rajasthan	81,281	81,222	58	0.1
Uttar Pradesh	122,549	121,004	1,545	1.3
Uttarakhand	14,472	14,376	96	0.7
Northern Region	394,851	389,285	5,566	1.4
Chhattisgarh	30,111	30,107	4	0.0
Gujarat	113,940	113,939	1	0.0
Madhya Pradesh	76,172	76,172	0	0.0
Maharashtra	155,167	155,166	0	0.0
Daman & Diu	2,574	2,574	0	0.0
Dadra & Nagar Haveli	6,528	6,528	0	0.0
Goa	4,350	4,350	0	0.0
Western Region	388,841	388,836	5	0.0
Andhra Pradesh	65,452	65,414	38	0.1
Telangana	68,306	68,303	3	0.0
Karnataka	72,799	72,796	3	0.0
Kerala	26,315	26,265	50	0.2
Tamil Nadu	108,816	108,812	4	0.0
Puducherry	2,847	2,846	1	0.0
Lakshadweep (#)	46	46	0	0.0
Southern Region	344,535	344,436	99	0.0
Bihar	31,627	31,533	94	0.3
DVC	22,429	22,427	2	0.0
Jharkhand	8,941	8,872	69	0.8
Odisha	29,692	29,692	0	0.0
West Bengal	52,948	52,824	124	0.2
Sikkim	554	554	0	0.0
Andaman- Nicobar (#)	346	323	23	6.7
Eastern Region	146,191	145,902	289	0.2
Arunachal Pradesh	753	749	4	0.5
Assam	9,804	9,288	516	5.3
Manipur	924	917	6	0.7
Meghalaya	2,112	2,064	48	2.3
Mizoram	647	643	4	0.7
Nagaland	814	809	5	0.7
Tripura (*)	1,538	1,515	23	1.5
North-Eastern Region	16,591	15,984	607	3.7
All India	1,291,010	1,284,444	6,566	0.5
(#) Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and energy supplied.				
(*) Excludes energy exported to Bangladesh.				
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