

**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.2969  
ANSWERED ON 08.08.2024**

**NEW POWER PROJECT**

**†2969 SHRI VISHNU DAYAL RAM:**

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

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

**A N S W E R**

**THE MINISTER OF STATE IN THE MINISTRY OF POWER**

**(SHRI SHRIPAD NAIK)**

**(a) & (b): Yes. The details of Energy (Electricity) Requirement and Energy Supplied during the last three years and the current year 2024-25 (upto June, 2024) is given at Annexure-I. The growth in Energy Supplied has been commensurate with the growth in Energy Requirement in the country. Marginal gap between Energy Requirement and Energy Supplied is generally on account of constraints in the State transmission/distribution network etc.**

**(c): The following steps have been / are being taken by the Government to meet the increasing demand of electricity in the country:**

- (i) Installed generation capacity has increased from 2,48,554 MW in March 2014 to 4,46,190 MW in June 2024.**

**Further, as against minimum 80,000 MW thermal capacity targeted to be added by 2031-32, 28,400 MW Thermal Capacity is under construction. In addition, 18,087.5 MW Hydro Capacity and 7,300 MW Nuclear Capacity are also expected to be operationalized by 2031-32.**

- (ii) 1,95,181 circuit kilometer (ckm) of transmission lines, 7,30,794 MVA of Transformation capacity and 82,790 MW of Inter-Regional capacity has been added since 2014 with capability of transferring 1,18,740 MW from one corner of the country to another.**

**Further, addition of 21,766 ckm transmission line and 1,77,755 MVA transformation capacity is targeted to be completed by 2026-27**

- (iii) Waiver of ISTS charges on transmission of electricity generated from Solar, Wind, Pumped Storage Plants and Battery Energy Storage Systems.**
- (iv) Renewable Purchase Obligations (RPOs) and Energy Storage obligations Trajectory till 2029-30.**
- (v) Construction of Green Energy Corridors and putting in place 13 Renewable Energy Management Centres.**
- (vi) Setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers for installation of RE projects at large scale.**

**(d) & (e) : The State-wise details of new power projects under construction in the country expected to be operationalized by 2031-32, including the state of Jharkhand, are given at Annexure-II (1/3) (for Thermal Projects), Annexure-II (2/3) (for Hydro-electric Projects), and Annexure-II (3/3) (for Nuclear Projects).**

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**ANNEXURE-I****ANNEXURE REFERRED IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 2969 ANSWERED IN THE LOK SABHA ON 08.08.2024**

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**The details of actual power supply position in the country for the last three years and the current year till June, 2024**

Year	Energy [in Million Units (MU)]			
	Energy Requirement	Energy Supplied	Energy not Supplied	
	( MU )	( MU )	( MU )	( % )
<b>2021-22</b>	<b>13,79,812</b>	<b>13,74,024</b>	<b>5,787</b>	<b>0.4</b>
<b>2022-23</b>	<b>15,13,497</b>	<b>15,05,914</b>	<b>7,583</b>	<b>0.5</b>
<b>2023-24</b>	<b>16,26,132</b>	<b>16,22,020</b>	<b>4,112</b>	<b>0.3</b>
<b>2024-25 (upto June, 2024)</b>	<b>4,52,399</b>	<b>4,51,811</b>	<b>588</b>	<b>0.1</b>

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**The State-wise details of new Thermal power projects under construction in the country, including the state of Jharkhand**

Sl. No	Project Name/ Impl. Agency	Sector	State	Unit No.	Capacity (MW)
1	North Chennai TPP, St-III (TANGEDCO)	STATE	Tamil Nadu	U-1	800
2	Ghatampur TPP (NUPPL)	CENTRAL	Uttar Pradesh	U-1	660
3	Jawaharpur STPP (UPRVUNL)	STATE	Uttar Pradesh	U-2	660
4	Obra-C STPP (UPRVUNL)	STATE	Uttar Pradesh	U-2	660
5	Bhusawal TPS (MAHAGENCO)	STATE	Maharashtra	U-6	660
6	Khurja SCTPP (THDC)	CENTRAL	Uttar Pradesh	U-1	660
7	Buxar TPP (SJVN)	CENTRAL	Bihar	U-1	660
8	Panki TPS Extn. (UPRVUNL)	STATE	Uttar Pradesh	U-1	660
9	Yadadri TPS (TSGENCO)	STATE	Telangana	U-1	800
10	Yadadri TPS (TSGENCO)	STATE	Telangana	U-2	800
11	Udangudi STPP St-I (TANGEDCO)	STATE	Tamil Nadu	U-1	660
12	Ghatampur TPP (NUPPL)	CENTRAL	Uttar Pradesh	U-2	660
13	Barh STPP St-I (NTPC)	CENTRAL	Bihar	U-3	660
14	Khurja SCTPP (THDC)	CENTRAL	Uttar Pradesh	U-2	660
15	Patratu STPP (PVUNL)	CENTRAL	Jharkhand	U-1	800
16	Buxar TPP (SJVN)	CENTRAL	Bihar	U-2	660
17	Yadadri TPS (TSGENCO)	STATE	Telangana	U-3	800
18	North Karanpura STPP (NTPC)	CENTRAL	Jharkhand	U-3	660
19	Sagardighi TPP St-III (WBPDC)	STATE	West Bengal	U-1	660
20	Udangudi STPP St-I (TANGEDCO)	STATE	Tamil Nadu	U-2	660
21	Yadadri TPS (TSGENCO)	STATE	Telangana	U-4	800
22	Ghatampur TPP (NUPPL)	CENTRAL	Uttar Pradesh	U-3	660
23	Yadadri TPS (TSGENCO)	STATE	Telangana	U-5	800
24	Patratu STPP (PVUNL)	CENTRAL	Jharkhand	U-2	800
25	Patratu STPP (PVUNL)	CENTRAL	Jharkhand	U-3	800
26	Ennore SCTPP (TANGEDCO)	STATE	Tamil Nadu	U-1	660
27	Ennore SCTPP (TANGEDCO)	STATE	Tamil Nadu	U-2	660
28	Mahan STPP, St-II (Mahan Energen)	PRIVATE	Madhya Pradesh	U-3	800
29	Talcher TPP St-III (NTPC)	CENTRAL	Odisha	U-1	660
30	Mahan STPP, St-II (Mahan Energen )	PRIVATE	Madhya Pradesh	U-4	800
31	Talcher TPP St-III (NTPC)	CENTRAL	Odisha	U-2	660
32	Lara STPP St-II (NTPC)	CENTRAL	Chhattisgarh	U-1	800
33	NLC TALABIRA TPP (NLC)	CENTRAL	Odisha	U-1	800
34	Lara STPP St-II (NTPC)	CENTRAL	Chhattisgarh	U-2	800
35	NLC TALABIRA TPP (NLC)	CENTRAL	Odisha	U-1	800
36	NLC TALABIRA TPP (NLC)	CENTRAL	Odisha	U-3	800
37	Singrauli STPP, St-III (NTPC)	CENTRAL	UP	U-1	800
38	DCR TPP Ext., Yamunanagar	STATE	Haryana	U-1	800
39	Singrauli STPP, St-III (NTPC)	CENTRAL	UP	U-2	800
<b>Grand Total</b>					<b>28400</b>

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**The State-wise details of new Hydro-electric power projects under construction in the country**

Sl. No.	Project Name/ Impl. Agency	Sector	State	Capacity (MW)
1	Subansiri Lower (NHPC)	CENTRAL	Arunachal Pradesh/Assam	2000
2	Parbati St. II (NHPC)	CENTRAL	Himachal Pradesh	800
3	Dibang Multipurpose Project (NHPC)	CENTRAL	Arunachal Pradesh	2880
4	Teesta St. VI NHPC	CENTRAL	Sikkim	500
5	Rangit-IV (NHPC)	CENTRAL	Sikkim	120
6	Ratle (RHEPPL / NHPC)	CENTRAL	UT of Jammu & Kashmir	850
7	PakalDul (CVPPL)	CENTRAL	UT of Jammu & Kashmir	1000
8	Kiru (CVPPL)	CENTRAL	UT of Jammu & Kashmir	624
9	Kwar (CVPPL)	CENTRAL	UT of Jammu & Kashmir	540
10	Luhri-I (SJVN)	CENTRAL	Himachal Pradesh	210
11	Dhulasidh (SJVN)	CENTRAL	Himachal Pradesh	66
12	Sunni Dam (SJVN)	CENTRAL	Himachal Pradesh	382
13	Vishnugad Pipalkoti (THDC)	CENTRAL	Uttarakhand	444
14	Tapovan Vishnugad (NTPC)	CENTRAL	Uttarakhand	520
15	Rammam-III (NTPC)	CENTRAL	West Bengal	120
16	Polavaram (APGENCO/ Irrigation Dept., A.P.)	STATE	Andhra Pradesh	960
17	Lower Sileru Extension (APGENCO)	STATE	Andhra Pradesh	230
18	Shongtong Karcham (HPPCL)	STATE	Himachal Pradesh	450
19	Chanju-III (HPPCL)	STATE	Himachal Pradesh	48
20	Pallivasal (KSEB)	STATE	Kerala	60
21	Thottiyar (KSEB)	STATE	Kerala	40
22	Mankulam (KSEB)	STATE	Kerala	40
23	Lower Kopli (APGCL)	STATE	Assam	120
24	Uhl-III (BVPCL)	STATE	Himachal Pradesh	100
25	Parnai (JKSPDC)	STATE	UT of Jammu & Kashmir	37.5
26	Shahpurkandi (PSPCL/ Irrigation Deptt., Pb.)	STATE	Punjab	206
27	Lakhwar Multipurpose Project (UJVNL)	STATE	Uttarakhand	300
28	Tidong-I (Statkraft IPL)	PRIVATE	Himachal Pradesh	150
29	Kutehr (JSW Energy Ltd)	PRIVATE	Himachal Pradesh	240
<b>Grand Total</b>				<b>14037.5</b>

**Details of Under Implementation Pumped Storage Projects  
(above 25 MW)**

<b>Sl. No.</b>	<b>Project Name/ Impl. Agency</b>	<b>Sector</b>	<b>State</b>	<b>Capacity (MW)</b>
<b>1</b>	<b>Tehri PSS (THDC)</b>	<b>CENTRAL</b>	<b>Uttarakhand</b>	<b>1000</b>
<b>2</b>	<b>Upper Sileru PSP (APGENCO)</b>	<b>STATE</b>	<b>Andhra Pradesh</b>	<b>1350</b>
<b>3</b>	<b>Kundah Pumped Storage Phase-I, II &amp; III (TANGEDCO)</b>	<b>STATE</b>	<b>Tamil Nadu</b>	<b>500</b>
<b>4</b>	<b>Pinnapuram (Greenko AP01 IREP Private Limited)</b>	<b>PRIVATE</b>	<b>Andhra Pradesh</b>	<b>1200</b>
<b>Grand Total</b>				<b>4050</b>

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**State-wise details of new Nuclear power projects  
under construction in the country**

<b>Sl. No</b>	<b>Project Name</b>	<b>State</b>	<b>Unit No.</b>	<b>Capacity (MW)</b>
<b>1</b>	<b>Gorakhpur Nuclear Power Plant</b>	<b>Haryana</b>	<b>U-1</b>	<b>1400</b>
			<b>U-2</b>	
<b>2</b>	<b>Rajasthan Atomic Power Station</b>	<b>Rajasthan</b>	<b>U-7</b>	<b>1400</b>
			<b>U-8</b>	
<b>3</b>	<b>Kudankulam Nuclear Power Plant</b>	<b>Tamil Nadu</b>	<b>U-3</b>	<b>4000</b>
			<b>U-4</b>	
			<b>U-5</b>	
			<b>U-6</b>	
<b>4</b>	<b>PFBR (BHAVANI)</b>	<b>Tamil Nadu</b>	<b>-</b>	<b>500</b>
<b>Grand Total</b>				<b>7300</b>

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