

**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.2804  
ANSWERED ON 08.08.2024**

**POWER GENERATION CAPABILITIES**

**2804 SHRI RAJU BISTA:  
SHRI HASMUKHBHAI SOMABHAI PATEL:  
SHRI MITESH PATEL BAKABHAI:**

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

- (a) whether it is a fact that the country has met its highest ever peak power demand this year and if so, the details thereof;**
- (b) the details of the progress made in enhancing power generation capabilities in the North Eastern Region of the country particularly in Darjeeling Parliamentary Constituency in the State of West Bengal;**
- (c) the overview of the projects implemented to enhance power supply capacity in the NER particularly in the State of West Bengal including the specific States that are expected to benefit from these initiatives, with details regarding project names, locations, capacity additions, and estimated completion dates; and**
- (d) the quantum of power energy produced in the country till date along with the factors which have contributed to the growth of the country's power generation capacity?**

**A N S W E R**

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

**(SHRI SHRIPAD NAIK)**

**(a) : Yes. The country has met the Peak demand of 249.854 Giga Watt (GW) in May, 2024.**

**(b) & (c) : The details of current power generation capacity in North Eastern Region (NER), Sikkim and West Bengal including the Darjeeling Parliamentary Constituency are given at Annexure-I.**

The details of the power projects under construction/implementation to enhance power supply capacity in the North Eastern Region and the States of West Bengal & Sikkim are given at Annexure-II.

(d) : The details of power generated in the country during the last five years and the current year (upto June, 2024), are given at Annexure-III.

The following factors/initiatives have contributed to the growth of the power generation capacity from 2,48,554 MW in March 2014 to 4,46,190 MW in June 2024:

- (i) Addition of 1,95,181 circuit kilometer (ckm) of transmission lines, 7,30,794 MVA of Transformation capacity and 82,790 MW of Inter-Regional capacity with capability of transferring 1,18,740 MW from one corner of the country to another.
- (ii) Under Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), Integrated Power Development (IPDS) and Pradhan Mantri Sahaj Bijli Har Ghar Yojana- (SAUBHAGYA) schemes, 18,374 villages have been electrified and 2.86 crore household were provided electricity connections
- (iii) Permitting Foreign Direct Investment (FDI) in Renewable energy sector up to 100 percent under the automatic route.
- (iv) Waiver of Inter State Transmission System (ISTS) charges for inter-state sale of solar and wind power for projects to be commissioned by 30th June 2025.
- (v) Setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers for installation of RE projects on a large scale.
- (vi) 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, National Green Hydrogen Mission, Development of 1 GW Offshore Wind Energy Projects, etc.
- (vii) Laying of new transmission lines and creating new sub-station capacity under the Green Energy Corridor Scheme for evacuation of renewable power.
- (viii) Notification of Promoting Renewable Energy through Green Energy Open Access Rules 2022.
- (ix) Launch of Green Term Ahead Market (GTAM) to facilitate sale of Renewable Energy Power through exchanges.

## ANNEXURE-I

### ANNEXURE REFERRED IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 2804 ANSWERED IN THE LOK SABHA ON 08.08.2024

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The details of current power generation capacity in North Eastern Region (NER), Sikkim and West Bengal including the Darjeeling Parliamentary Constituency as on 30.06.2024

Sl. No.	Region	State	Sector	Name of Project	Location District	Total Capacity (MW)	
1	NER	Arunachal Pradesh	Central Sector	KAMENG HPS	East Kameng	600.00	
2			Central Sector	RANGANADI HPS	Lower Subansiri	405.00	
3			Central Sector	PARE HPS	Papum Pare	110.00	
4		Assam	Central Sector	KATHALGURI CCPP	Dibrugarh	291.00	
5			State Sector	NAMRUP CCPP	Dibrugarh	139.40	
6			Central Sector	KHONDONG HPS	Dima Hasao	50.00	
7			Central Sector	KOPILI HPS	Dima Hasao	200.00	
8			State Sector	KARBI LANGPI HPS	Karbi Anglong	100.00	
9			Central Sector	BONGAIGAON TPP	Kokrajhar	750.00	
10			State Sector	LAKWA GT	Sivasagar	97.20	
11			State Sector	LAKWA REPLACEMENT POWER PROJECT GT	Sivasagar	69.76	
12			Manipur	Central Sector	LOKTAK HPS	Churachandpur	105.00
13				State Sector	LEIMAKHONG DG	Senapati	36.00
14		Meghalaya	State Sector	NEW UMTRU HPS	East Khasi Hills	40.00	
15			State Sector	MYNTDU(LESHKA) St-1 HPS	Jaintia Hills	126.00	
16			State Sector	KYRDEMKULAI HPS	Ribhoi	60.00	
17			State Sector	UMIAM HPS ST-I	Ribhoi	36.00	
18			State Sector	UMIAM HPS ST-IV	Ribhoi	60.00	
19		Mizoram	Central Sector	TUIRIAL HPS	Aizawl	60.00	
20		Nagaland	Central Sector	DOYANG HPS	Wokha	75.00	
21		Tripura	Central Sector	TRIPURA CCPP	Gomati	726.60	
22			Central Sector	AGARTALA GT	West Tripura	135.00	
23			State Sector	BARAMURA GT	West Tripura	42.00	
24			Central Sector	MONARCHAK CCPP	West Tripura	101.00	
25			State Sector	ROKHIA GT	West Tripura	63.00	
26	ER	Sikkim	Private Sector	DIKCHU HPS	East District	96.00	
27			Private Sector	RONGNICHU HPS	East District	113.00	
28			Central Sector	TEESTA V HPS	East District	510.00	
29			Private Sector	CHUZACHEN HPS	North District	110.00	
30			State Sector	TEESTA-III HPS	North District	1,200.00	
31			Private Sector	JORETHANG LOOP HPS	South District	96.00	
32			Central Sector	RANGIT HPS	South District	60.00	
33			Private Sector	TASHIDING HPS	West District	97.00	

Sl. No.	Region	State	Sector	Name of Project	Location District	Total Capacity (MW)
34	ER	West Bengal	Central Sector	MEJIA TPS	Bankura	2,340.00
35			State Sector	D.P.L. TPS	Barddhaman	550.00
36			Private Sector	DISHERGARH TPP	Barddhaman	12.00
37			Central Sector	DURGAPUR STEEL TPS	Barddhaman	1,000.00
38			Central Sector	MAITHON HPS	Barddhaman	63.20
39			State Sector	BAKRESWAR TPS	Birbhum	1,050.00
40			State Sector	JALDHAKA HPS ST-I	Darjiling	36.00
41			State Sector	RAMMAM HPS	Darjiling	50.00
42			Central Sector	TEESTA LOW DAM-III HPS	Darjiling	132.00
43			Central Sector	TEESTA LOW DAM-IV HPS	Darjiling	160.00
44			State Sector	BANDEL TPS	Hugly	270.00
45			State Sector	KASBA GT (Liq.)	Kolkata	40.00
46			Private Sector	SOUTHERN REPL. TPS	Kolkata	135.00
47			Private Sector	TITAGARH TPS	Kolkata	240.00
48			Central Sector	FARAKKA TPS	Murshidabad	2,100.00
49			State Sector	SAGARDIGHI TPS	Murshidabad	1,600.00
50			State Sector	HALDIA GT (Liq.)	Purba Medinipur	40.00
51			Private Sector	HALDIA TPP	Purba Medinipur	600.00
52			Private Sector	HIRANMAYE TPP	Purba Medinipur	300.00
53			State Sector	KOLAGHAT TPS	Purba Medinipur	840.00
54			Central Sector	RAGHUNATHPUR TPP	Purulia	1,200.00
55			State Sector	SANTALDIH TPS	Purulia	500.00
56			State Sector	PURULIA PSS HPS	Puruliya	900.00
57			Private Sector	BUDGE BUDGE TPS	South Parganas	750.00

**Note- HPS: Hydro Power Station**  
**TPS: Thermal Power Station**  
**TPP: Thermal Power project**  
**GT: Gas Turbine**  
**CCPP: Gas based Combine Cycle Power Plant**  
**DG: Diesel Generator**

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**ANNEXURE-II****ANNEXURE REFERRED IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 2804 ANSWERED IN THE LOK SABHA ON 08.08.2024**

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The details of the power projects under construction/implementation in the North Eastern Region and the States of West Bengal & Sikkim

Sl. No.	Project Name	Type	Sector	Location of the Project	Beneficiary States/UTs	Project Capacity (MW)	Expected Date of Commissioning
1	Subansiri Lower (NHPC)	Hydro	Central	Arunachal Pradesh and Assam	Haryana, Punjab, Rajasthan, Uttar Pradesh, Chandigarh, Gujarat, Madhya Pradesh, Chhattisgarh, Maharashtra, Goa	2,000	May,2026
2	Dibang Multipurpose Project (NHPC)	Hydro	Central	Arunachal Pradesh	Yet to be finalized.	2,880	February,2032
3	Teesta St. VI (NHPC)	Hydro	Central	Sikkim	Yet to be finalized.	500	December,2027
4	Rangit-IV (NHPC)	Hydro	Central	Sikkim	Yet to be finalized.	120	May,2025
5	Rammam-III (NTPC)	Hydro	Central	West Bengal	West Bengal, Sikkim	120	March,2029
6	Lower Kopili (APGCL)	Hydro	State	Assam	Assam	120	July,2025
7	Sagardighi TPP St-III (WBPDCCL)	Thermal	State	West Bengal	West Bengal	660	January,2025
<b>Grand Total:</b>						<b>6,400</b>	

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**ANNEXURE-III**

**ANNEXURE REFERRED IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 2804 ANSWERED IN THE LOK SABHA ON 08.08.2024**

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**The detail of power generated in the country during the last five years and the current year (upto June, 2024)**

**(All figures are in Million Units)**

	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25 (Upto June)</b>
<b>Total Power Generated</b>	<b>13,89,121</b>	<b>13,81,855</b>	<b>14,91,859</b>	<b>16,24,466</b>	<b>17,39,091</b>	<b>4,85,337</b>

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