

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.2851
TO BE ANSWERED ON 05.12.2019**

DEMAND AND SUPPLY OF POWER IN THE COUNTRY

2851. PROF. SAUGATA RAY:

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

- (a) the gap between the demand and supply of power in the country;**
- (b) the details of power generation through various sources and cost of production for unit, source-wise;**
- (c) whether the Government proposes to set up new power plants in the country; and**
- (d) if so, the details thereof?**

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, NEW & RENEWABLE ENERGY AND THE MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) : As on 31.10.2019, the installed generation capacity in the country has been around 3,64,960 Mega Watt (MW), which is sufficient to meet the electricity demand in the country. The details of actual power supply position in terms of energy and peak of the country during the current year i.e. 2019-20 (upto October, 2019) is given at Annexure-I. It may be seen that the gap between demand and supply of power during the current year 2019-20 (upto October, 2019) both in terms of Energy and Peak is less than 1%. This gap is generally on account of factors, other than of power availability in the country e.g. constraints in sub-transmission and distribution network, financial constraints of State Power Utilities to purchase power etc. Apart from long term Power Purchase Agreements power can be purchased at any time from power exchanges.

(b) : The details of power generation from various sources (Thermal, Hydro & Nuclear) of 25 MW and above capacity stations in the country during the last year & current year i.e. 2019-20 (upto October,2019) are given at Annexure-II.

Further, the source-wise range of rate of sale of electricity in Rs/kWh as approved by the concerned Central Electricity Regulatory Commission (CERC)/ State Electricity Regulatory Commission (SERC) during the year 2017-18 are given at Annexure-III.

(c) & (d): Generation of electricity is a delicensed activity as per the Electricity Act, 2003, except for the concurrence of Central Electricity Authority (CEA) for hydro generating stations with estimated scheme cost exceeding the sum fixed by the Central Government from time to time. Details of Central Sector Hydro Power Projects sanctioned during last two years is given at Annexure-IV.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2851 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2019.

Details of actual power supply position in terms of energy and peak of the country during the current year i.e. 2019-20 (upto October, 2019)

Year	ENERGY				PEAK			
	Energy Requirement	Energy Supplied	Energy not supplied		Peak Demand	Peak Met	Demand Not Met	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
2019-20 (upto Oct, 2019)*	785,488	781,228	4,259	0.5	183,804	182,533	1,271	0.7

****Provisional***

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 2851 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2019.

Details of power generation from various sources (Thermal, Hydro & Nuclear) of 25 MW and above capacity stations in the country during the last year & current year i.e. 2019-20 (upto October, 2019)

CATEGORY	GENERATION (MU)	
	2018-19	2019-20 (Upto October,2019)*
Thermal	1072223.88	613559.86
Nuclear	37812.59	28195.10
Hydro	134893.61	111110.12
Bhutan Import	4406.62	5081.14
Total	1249336.70	757946.22

****Provisional***

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 2851 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2019.

Source-wise range of rate of sale of electricity in Rs/kWh as approved by the concerned Central Electricity Regulatory Commission (CERC)/ State Electricity Regulatory Commission (SERC) during the year 2017-18

CATEGORY	Rate of sale of electricity as approved by CERC/SERC (Rs/kWh)
Thermal- Coal	1.39 to 6.34
Thermal- Lignite	2.70 to 4.49
Thermal-Diesel	5.43 to 5.63
Thermal- Gas/RLNG	2.38 to 6.56
Nuclear	2.06 to 4.09
Hydro	0.36 to 6.89

ANNEXURE-IV

**ANNEXURE REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED
QUESTION NO. 2851 TO BE ANSWERED IN THE LOK SABHA ON 05.12.2019.**

List of Central Sector Hydro Power Projects sanctioned during last two years

Sl. No.	Name of the Project	Implementing Agency	Capacity (MW)
1.	Teesta - VI	NHPC	500
2.	Dibang	NHPC	2880
3.	Kiru	CVPPL	624
		TOTAL	4004
