

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.770
TO BE ANSWERED ON 07.02.2019**

DEMAND AND SUPPLY

770. SHRI RAJESHBHAI CHUDASAMA:

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

- (a) the status of power generation and demand supply in the country and the details of the sources and their capacity in total power production in the country at present; and
- (b) the sources from which carbon- free power would be generated in the next ten years and the quantum of power production fixed for these sources and the details of measures taken in this regard?

A N S W E R

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER
AND NEW & RENEWABLE ENERGY**

(SHRI R. K. SINGH)

(a) : The details of source wise power generation and their capacity in total power production in the country during the current year 2018-19 (upto December, 2018) and the status of demand and supply of power in the country are given at Annex.

(b) : Hydro, Nuclear and Renewable Energy (including Solar, Wind and Biomass) are main sources from which carbon free power would be generated in the next ten years.

Generation of electricity is a delicensed activity and decision to set up any generating plants is based on a demand assessment by the concerned generator. Hence no target has been fixed in the next ten years. However, to promote clean energy Government of India has fixed a target of 175 GW of renewable energy based generation capacity by 2022.

The details of steps being taken by the Government to promote the production of renewable energy, inter alia, are as under:

- i. Fixed a target of 175 GW renewable energy based generation capacity, out of which 100 GW would be solar power.**
- ii. Issued guidelines for procurement of solar and wind power through tariff based competitive bidding process;**
- iii. Declared Renewable Purchase Obligation (RPO) up to the year 2018-19;**
- iv. Declare Renewable Generation Obligation on new coal/lignite based thermal plants;**
- v. Notified National Offshore Wind Energy Policy;**
- vi. Notified policy for Re-powering of Wind Power Projects;**
- vii. Notified standards for deployment of solar photovoltaic systems/devices;**
- viii. Issued order for waiving inter State Transmission System charges and losses for inter-State sale of solar and wind based power projects to be commissioned by December, 2019 and March 2019 respectively.**

ANNEX

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 770 TO BE ANSWERED IN THE LOK SABHA ON 07.02.2019.

Source wise generation and capacity in total power production in the country during the current year 2018-19 (Upto December, 2018)

Category	Capacity (MW)	Generation (MU)
THERMAL	2,23,027.34	8,05,433.52
NUCLEAR	6,780.00	28,457.54
HYDRO	45,399.22	1,16,041.57 *
RES	74,081.66	97,923.70
Grand Total	3,49,288.22	10,47,856.33

Note: Generation from stations of 25 MW & above only

**** Includes Bhutan Import***

The demand and supply of power in the country during April-December, 2018*

Energy (Million Unit)				Peak (Mega Watt)			
Energy Requirement	Energy Supplied	Energy Not Supplied		Peak Demand	Peak Met	Demand not Met	
MU	MU	MU	%	MW	MW	MW	%
971,490	965,589	5,901	0.6	177,022	175,528	1,494	0.8

***Provisional**
