

Sl. No.	State/UT	Amount released as CFA
9.	Himachal Pradesh	8.62
10.	Jammu and Kashmir	1.16
11.	Jharkhand	5.57
12.	Karnataka	8.13
13.	Kerala	31.13
14.	Madhya Pradesh	396.38
15.	Maharashtra	11.16
16.	Meghalaya	1.71
17.	Mizoram	13.53
18.	Nagaland	7.81
19.	Odisha	8.20
20.	Puducherry	0.30
21.	Punjab	0.40
22.	Rajasthan	36.39
23.	Tamil Nadu	2.77
24.	Telangana	90.47
25.	Uttar Pradesh	32.23
26.	Uttarakhand	18.09
27.	West Bengal	6.34
28.	Andaman and Nicobar	3.02
29.	Central Agency	948.10
30.	Others	0.05

Production of carbon-free power

†1748. DR. SATYANARAYAN JATIYA: Will the Minister of POWER be pleased to state:

(a) the status of power generation and demand and supply in the country and the details of the sources and their capacity in total power production in the country at present; and

†Original notice of the question was received in Hindi.

(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?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI RAJ KUMAR SINGH): (a) The details of source-wise power generation and their capacity in total power production in the country during the current year 2017-18 (upto November, 2017) and the status of demand and supply of power in the country are given in the Statement (*See below*).

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

Electricity Generation 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 cumulative target of 175 GW of renewable energy based installed 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) Announced a cumulative target of 175 GW renewable energy based electric installed capacity, which including a target of 100 GW from Solar and 60 GW from wind Energy.
- (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 Repowering of Wind Power Projects;
- (vii) Notified standards for deployment of solar photovoltaic systems/devices;

- (viii) Issued order for waiving the Inter State Transmission System charges and losses for inter-State sale of solar and wind power for projects to be commissioned by December, 2019 and March, 2019 respectively.

Statement

(A) Source-wise generation and capacity in total power production in the country during the current year 2017-18 (upto November, 2017)*

Category	Capacity (MW)	Generation* (MU)
Thermal	218959.51	680976.23
Nuclear	6780.00	23752.58
Hydro	44963.42	99871.35
RES	62053.75	63260.84**
GRAND TOTAL	332756.58	867861.00

Note: Generation from stations of 25 MW & above only.

* Provisional.

** As on 31.10.2017.

*(B) The demand and supply of power in the country during April-November, 2017**

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	%
815,348	809,493	5,855	0.7	164,066	160,752	3,314	2.0

* Provisional.

Increase in generation of electricity

†1749. SHRI PARVEZ HASHMI: Will the Minister of POWER be pleased to state:

- (a) the steps taken by Government in last three years to increase the generation of electricity, the details thereof;
- (b) the number of powerhouses established in last three years, the details of the coal, gas, water and nuclear based power plants; and
- (c) the details of the consumption and generation of electricity at present and last three years, the details thereof?

†Original notice of the question was received in Hindi.