

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2375
ANSWERED ON 21.03.2023

GREEN GROWTH PLAN

2375. SHRI PARIMAL NATHWANI

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether the ambitious Green growth plan envisages complete switching over to the renewable energy in future, if so, the details thereof;
- (b) the details of the current installed capacity and generation of renewable energy in the country;
- (c) the details of the share of renewable energy in the overall generation and consumption vis-a-vis that of other forms of energy viz. nuclear, thermal etc; and
- (d) the share of Gujarat, Andhra Pradesh and Jharkhand in renewable energy generation in the country?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER
(SHRI R.K. SINGH)

(a) In line with Hon'ble Prime Minister's announcement at COP26, Ministry of New and Renewable Energy is working towards achieving 500 GW of installed electricity capacity from non-fossil sources by 2030.

So far, a total of 168.96 GW renewable energy capacity has been installed in the country as on 28.02.2023. This includes 64.38 GW Solar Power, 51.79 GW Hydro Power, 42.02 GW Wind Power and 10.77 GW Bio Power. In addition, 82.62 GW of capacity is under implementation and 40.89 GW of capacity is under tendering.

(b) A total of 168.96 GW renewable energy capacity have been installed in the country as on 28.02.2023.

A total of 316754.86 MU of electricity has been generated from renewable energy sources during the current year i.e., 2022-23 (upto Jan 2023).

(c) The details of the share of renewable energy sources in the total installed electricity generation capacity of the country as on 28.02.2023 are given below:

| Sector | Capacity (in GW) | Percentage Share w.r.t. total Installed Capacity |
|-------------------------------|-----------------------------|---|
| Thermal | 236.47 | 57.37% |
| Nuclear | 6.78 | 1.64% |
| RE (including Large Hydro) | 168.96 | 40.99% |
| Total | 412.21 | (100%) |

(d) The share of state of Gujarat, Andhra Pradesh and Jharkhand in the total renewable energy generation i.e. 316754.86 MU during the current year 2022-23 (Upto Jan 2023)in the country is given below:

| State | RE Generation (in MU) | % Share w.r.t Total RE Generation in the country |
|----------------|--------------------------|---|
| Gujarat | 30876.24 | 9.75 |
| Andhra Pradesh | 17330.91 | 5.47 |
| Jharkhand | 301.61 | 0.09 |
