

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1085
ANSWERED ON 26.07.2022

GOALS FOR RENEWABLE ENERGY

1085. SHRI VIJAY PAL SINGH TOMAR
SHRI HARNATH SINGH YADAV

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

- (a) the details of goals set for renewable energy production in the country;
- (b) whether it is different from the existing methods, and if so, the details thereof; and
- (c) the time by which it is likely to be achieved?

ANSWER

**THE MINISTER OF STATE OF NEW & RENEWABLE ENERGY AND CHEMICALS
AND FERTILIZERS**

(SHRI BHAGWANTH KHUBA)

(a) to (c) 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 160.92 GW of renewable energy capacity (including large hydro) has been installed in the country as on 30-06-2022. This includes 57.71 GW Solar Power, 40.79 GW Wind Power, 10.68 GW Bio-Power, 4.89 GW Small Hydro Power and 46.85 GW Large Hydro Power. Further, projects of 74.76 GW capacity are under various stages of implementation and 23.14 GW capacity are under various stages of bidding.

The intermittency in Renewable Energy (RE) generation which is caused due to variability in availability of natural resources poses a challenge in RE integration with the grid. The Government in order to ensure smoother integration of RE generation with the grid has taken a number of measures including the following:

- i. Construction of Intra-State and Inter-State transmission systems for evacuation of Renewable power.
- ii. Setting up of Renewable Energy Management Centers (REMCs) for accurate forecasting of renewable power and for assisting grid operators to manage variability and intermittency of renewable power.
- iii. Innovative products like solar-wind hybrid projects, RE projects with energy storage systems and supply of RE power balanced with power from non-RE sources.
- iv. Implementation of Green Term Ahead Market (GTAM) and Green Day Ahead Market (GDAM) for sale of renewable energy.
