

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1456**  
ANSWERED ON 15.12.2022

**ELECTRICITY GENERATION FROM NON-FOSSIL FUELS**

1456. SHRI MANNE SRINIVAS REDDY  
SHRI KOMATI REDDY VENKAT REDDY  
SHRI Y.S. AVINASH REDDY

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

- (a) whether as part of its transition away from fossil fuels, the country has committed to sourcing half its electricity demand in 2030 from non-fossil fuel sources and if so, the details thereof;
- (b) whether the country has also committed to install 60 Gigawatts of wind power by 2022;
- (c) if so, the details thereof and the progress made thereunder, State/UT-wise; and
- (d) the future action plan worked out in this regard?

**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 172.72 GW capacity from non-fossil fuel based energy resources has been installed in the country as on 31.10.2022. This includes 119.09 GW Renewable Energy, 46.85 GW Large Hydro and 6.78 GW Nuclear Power capacity.

(b) to (d) Against the target of achieving 60 GW of wind energy installed capacity by 2022, a total of 41.89 GW of wind energy capacity has been installed in the country as on 30.11.2022. Further, a wind energy capacity of 12.11 GW is under various stages of implementation and a capacity of 1.70 GW is under various stages of bidding.

The state wise details of installed wind power capacity are at [Annexure](#).

Also, the Government has taken following steps specifically for promoting wind energy deployment in the Country:

- declaration of trajectory for Wind Renewable Purchase Obligation (Wind RPO) up to the year 2030,
- Concessional custom duty exemption on certain components required for manufacturing of wind electric generators,
- Generation Based Incentive (GBI) is being provided to the wind projects commissioned on or before 31 March 2017,
- Technical support including wind resource assessment and identification of potential sites through the National Institute of Wind Energy, Chennai.

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**Annexure referred to in reply to part (b) to (d) of Lok Sabha Unstarred Question No. 1456 for 15/12/2022 regarding 'Electricity Generation from Non-Fossil Fuels'**

**Wind Power installed capacity (as on 30<sup>th</sup> November, 2022)**

<b>STATE</b>	<b>Cumulative wind power capacity (MW)</b>
Andhra Pradesh	4096.65
Gujarat	9860.62
Karnataka	5268.15
Kerala	62.50
Madhya Pradesh	2844.29
Maharashtra	5012.83
Rajasthan	4681.82
Tamil Nadu	9936.01
Telangana	128.10
Others	4.30
<b>Total</b>	<b>41895.27</b>