

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 4335
ANSWERED ON 26/03/2025

WIND POWER CAPACITY

4335. COM. SELVARAJ V

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

- (a) the details of present wind power capacity and the estimated wind power potential to be added during the next five years; and
- (b) the measures being taken to identify land and make it available for the wind power producers to set up new projects to meet the capacity addition target?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) The wind resource assessment conducted by the National Institute of Wind Energy indicates an estimated wind power potential of about 1164 GW at 150 meter above ground level in the country, out of which about 48.58 GW of wind power capacity is installed, as on 28.02.2025. 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, which also includes wind energy capacity. Further, as per the Central Electricity Authority's 'Report on Optimal Generation Capacity Mix for 2029-30 Version 2.0', the likely installed capacity of wind energy by the end of the year 2029-30 is estimated to be 99895 MW.

(b) Wind power projects in the country are set up mostly by private sector developers based on techno economic viability of the project at high wind potential sites. 'Guidelines for Tariff Based Competitive Bidding Process for Procurement Power from Grid Connected Wind Power Projects' dated 23.07.2023 provides that the responsibility of arranging land for setting up wind power project is of developer.
