

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 542
ANSWERED ON 03.12.2025

VIABILITY GAP FUNDING FOR OFFSHORE WIND PROJECTS

542. SHRI CHAMALA KIRAN KUMAR REDDY
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Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether the National Institute of Wind Energy (NIWE) reported a potential of 1,164 GW at 150 metres hub height across the country and to unlock new areas and if so, the details thereof;
- (b) whether the Government has launched a Viability Gap Funding (VGF) for offshore wind projects, targeting 1 GW in the first phase - 500 MW each off Gujarat and Tamil Nadu and if so, the details thereof;
- (c) whether India's total installed capacity is nearing 500 GW with non-fossil sources contributing over 257 GW and if so, the details thereof along with the details of present status;
- (d) the details of future action plan of the Government for Developed India 2047 and the role of States/companies in this regard along with the funds sanctioned and spent;
- (e) whether it is a fact that 6 gigawatts of new wind capacity is expected to be added by the end of financial year 2025-26 and if so, the details thereof; and
- (f) whether it is true that the tender for the Tamil Nadu offshore wind project is expected to be floated by February, 2026 and if so, the details thereof?

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. The state-wise details are given in **Annexure**.

(b) Government has launched the 'Viability Gap Funding (VGF) scheme for offshore wind energy projects' with total outlay of ₹ 7453 crore, including an outlay of ₹ 6853 crore for installation and commissioning of 1 GW of offshore wind energy projects (500 MW each off the coast of Gujarat and Tamil Nadu), and grant of ₹ 600 crore for upgradation of two ports to meet logistics requirements for offshore wind energy projects. MNRE has issued Scheme Guidelines for implementation of 'VGF Scheme for Offshore Wind Energy Projects' vide sanction dated 11.09.2024.

(c) As on 31.10.2025, the total electricity installed capacity of the country is 505.02 GW including 259.42 GW from non-fossil sources. The sector wise installed capacity details are as under;

Sector	Capacity (in GW)
Thermal (a)	245.60 GW
Nuclear (b)	8.78 GW
RE (including large Hydro) (c)	250.64 GW
Sub-Total	259.42 GW

(Non-Fossil Fuel) (b+c)	
Total Electricity Installed Capacity (a+b+c)	505.02 GW

(d) 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 fuel sources by 2030. India has already achieved the milestone of 50 per cent of the country's cumulative electricity installed capacity from non-fossil fuel sources during June, 2025 i.e. more than five years ahead of the 2030 commitment.

(e) During the current FY 2025-26 (01st April, 2025 – 31st October, 2025), the new wind capacity of 3.56 GW has been added in the country. The wind capacity addition in the country during last financial year (FY 2024-25) was 4.15 GW.

(f) National Institute of Wind Energy (NIWE) has installed floating LiDAR buoy for the wind resource assessment of Tamil Nadu site. NIWE also carried out Geophysical study for Tamil Nadu site. The tender for the development of Tamil Nadu offshore wind project is linked to the outcomes of wind resource assessment and other studies.

Annexure

S. No.	State	Wind Power Potential at 150 mtr agl (GW)*
1	Andhra Pradesh	123.33
2	Gujarat	180.79
3	Karnataka	169.25
4	Madhya Pradesh	55.42
5	Maharashtra	173.86
6	Rajasthan	284.25
7	Tamil Nadu	95.10
8	Telangana	54.71
	Total (8 windy States)	1136.71
	Other States	27.14
	All India Total	1163.85

*Potential is estimated considering the sites having Capacity Utilization Factor (CUF) more than 25%.