

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1098
ANSWERED ON 28.07.2026

OFFSHORE WIND ENERGY ALONG ODISHA COAST

1098. SHRI SUBHASISH KHUNTIA

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

- (a) whether the offshore wind energy potential along the Odisha coast has been assessed and if so, the details thereof;
- (b) whether any offshore wind energy projects have been identified or sanctioned in the State and if so, the details thereof;
- (c) whether any transmission, port or other supporting infrastructure has been planned for development of offshore wind energy and, if so, the details thereof; and
- (d) whether additional measures are proposed to promote offshore wind energy in Odisha and if so, the details thereof and if not, the reasons therefor?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) & (b) A preliminary assessment carried out along the Odisha coast indicates average off shore wind speed of ~ 6.0–7.0 m/s at 150 m hub height which is expected to result Capacity Utilization Factor (CUF) of 32–35%. Further, water depths off the Odisha coast increase from about 50 m to nearly 1000 m within a distance of 20-30 km from the shoreline, owing to the steep seabed gradient. However, in the northern part of the Odisha coast, the water depth of about 50 m extends up to nearly 100 km from the coastline. The high water depths and low CUF make offshore wind development less viable in the State. Accordingly, no such offshore wind projects identified or sanctioned in Odisha.

(c) Government has launched the 'Viability Gap Funding (VGF) scheme for offshore wind energy projects' with total outlay of ₹ 7453 crore for installation and commissioning of 1 GW of offshore wind energy projects and grant for upgradation of two ports to meet logistics requirements for offshore wind energy projects. Transmission Planning for initial 5 GW projects, each off Gujarat and Tamil Nadu coasts, has been issued by Central Electricity Authority (CEA).

(d) No such measures are proposed at this point of time due to very low offshore wind potential off Odisha coast. Ministry is focusing on development of offshore wind projects off Gujarat and Tamil Nadu coast considering the high offshore wind potential.
