

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
STARRED QUESTION NO. 241
ANSWERED ON 11.08.2026

OFFSHORE WIND ENERGY DEVELOPMENT

*241. SHRI G.C. CHANDRASHEKHAR

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

- (a) the status of offshore wind energy projects, indicating capacity awarded, under construction and commissioned as on 30th June 2026, State-wise;
- (b) the investments mobilised under each project; and
- (c) the constraints identified in grid connectivity, transmission infrastructure and environmental clearances?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY, CONSUMER AFFAIRS & FOOD AND PUBLIC DISTRIBUTION AND EDUCATION.

(SHRI PRALHAD JOSHI)

- (a) to (c) A statement is laid on the Table of the House.

STATEMENT

Statement referred to in reply to parts (a) to (c) of the Rajya Sabha Starred Question No. 241 to be answered on 11.08.2026 regarding 'Offshore Wind Energy Development' asked by Shri G.C. Chandrashekhar

(a) to (c) Government has launched the Viability Gap Funding (VGF) scheme in September, 2024 with a total outlay of Rs. 7453 Crore for development of offshore wind energy projects and grant for upgradation of two ports to meet required logistics.

The project sites of 500 MW each off the coast of Gujarat and Tamil Nadu have been demarcated. Government through National Institute of Wind Energy has carried out Wind Resource Measurement, Geophysical and Geotechnical studies in the demarcated sites. Further, Rapid Environmental Impact Assessment has been carried out. Required Stage-1 clearance as per the National Offshore Wind policy has been obtained for the demarcated sites. However, the selected developer needs to carry out the comprehensive environmental impact assessment studies for obtaining all needed project-specific statutory and environmental approval prior to commencement of project implementation.

Under the VGF scheme, the first tender for development of 500 MW offshore wind energy project off Gujarat coast was issued by Solar Energy Corporation of India (SECI) on 13.09.2024. The tender was closed on 31.07.2025 without receipt of any bids.

As on 30.06.2026, no offshore wind capacity has been awarded or under construction or commissioned in any State.

As per preliminary findings of Rapid Environmental Impact Assessment (EIA) study, no major environmental constraints have been identified within the demarcated project sites. The major constraints identified in grid connectivity, transmission infrastructure, *inter alia*, include-

- (a) High cost of Offshore Transmission Infrastructure including transmission sub-sea cables,
- (b) Lack of specialized associated logistics infrastructure for installation of offshore sub-station and export cables,
- (c) Being a new and challenging sector, limited availability of technical expertise at present within the country,
- (d) Perceived risk with respect to mismatch between commissioning of offshore wind power project and transmission infrastructure readiness in case built by separate developers.
