

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2805
ANSWERED ON 17.12.2025

EXPANSION OF GREEN HYDROGEN PROJECTS

2805. SHRI C N ANNADURAI
SHRI SELVAM G

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

- (a) whether the Government proposes to expand green hydrogen, offshore wind and storage linked renewable energy projects at large scale across the country and if so, the details thereof;
- (b) whether Tamil Nadu being one of the leading States in renewable energy production has been identified for the establishment of green hydrogen hubs, offshore wind farms or energy storage facilities and if so, the details thereof;
- (c) whether any proposals or feasibility studies have been undertaken in Tiruvannamalai and Kanchipuram districts for such green hydrogen or renewable energy storage projects and if so, the current status of these initiatives thereof; and
- (d) whether the Government has set any timelines or performance milestones for the completion and scaling up of such projects and if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) Yes. Government has launched National Green Hydrogen Mission with an initial outlay of Rs.19,744 crore up to the year 2029-30. The Mission aims to make India the Global Hub for production, usage and export of Green Hydrogen and its derivatives. To develop offshore wind power projects in the country, Government has approved a 'Viability Gap Funding (VGF) scheme for offshore wind energy projects' at a total outlay of Rs. 7,453 crore, including Rs. 6,853 crore for installation and commissioning of 1000 MW of offshore wind energy projects (500 MW each off the coast of Gujarat and Tamil Nadu). Further, to promote Energy Storage Systems, Ministry of Power is implementing VGF scheme for development of 43 GWh Battery Energy Storage capacity (in two phases) with a total financial support of Rs. 9,160 crore to support renewable energy integration and ensure reliable power supply.

(b) The Ministry of New and Renewable Energy has recognised V. O. Chidambaranar Port (Tuticorin, Tamil Nadu) as one of the green hydrogen hubs under the National Green Hydrogen Mission. The Ministry has also issued the scheme guidelines for implementation of pilot projects for use of Green Hydrogen in the shipping sector under the mission. Under this, V. O. Chidambaranar Port Authority has awarded a project for development of bunkering and refueling facility for green methanol at the port.

With regard to offshore wind energy, based on the preliminary studies, Government has identified potential offshore wind zones off the coast of Tamil Nadu. It is estimated that, approximately 31 GW offshore wind power potential exists off the coast of Tamil Nadu.

With regard to development of Battery Energy Storage System (BESS), as per the information received from Tamil Nadu Energy Development Agency (TEDA), Government of Tamil Nadu, the State has participated in the VGF scheme of Ministry of Power for implementation of BESS capacity 1000 MWh in first Phase and 1500 MWh in second phase.

(c) & (d) No.
