

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1757
ANSWERED ON 10.12.2025

GREEN HYDROGEN PRODUCTION PROJECTS

1757. THIRU D M KATHIR ANAND

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

- (a) the progress made under green hydrogen production projects in the country particularly in Tamil Nadu;
- (b) the measures taken by the Government to promote off-grid solar solutions in rural areas;
- (c) whether the Government proposes to incentivise EV charging infrastructure and if so, the details thereof; and
- (d) the impact of green hydrogen on India's net-zero goals?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) The Government of India is implementing the National Green Hydrogen Mission (NGHM), with an objective to make India a global hub of production, usage and export of green hydrogen and its derivatives.

Incentives have been awarded for 8,62,000 Metric Tonnes per Annum (MTPA) of Green Hydrogen production to 18 companies. These projects are likely to be setup across different parts of India.

The Ministry of New and Renewable Energy (MNRE) has also issued the scheme guidelines for implementation of pilot projects for use of green hydrogen in the shipping sector under NGHM. Under this, V. O. Chidambaranar Port Authority (Tamil Nadu) has awarded a project for development of bunkering and refuelling facility for green methanol at the port.

MNRE has also recognised V. O. Chidambaranar Port (Tuticorin, Tamil Nadu), as one of the green hydrogen hubs under NGHM.

(b) The Government of India is already implementing various schemes such as the Pradhan Mantri Surya Ghar: Muft Bijli Yojana (PMSG: MBY), Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM KUSUM), and the New Solar Power Scheme for Tribal and Particularly Vulnerable Tribal Groups (PVTG) Habitations/Villages under Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM JANMAN) & Dharti Aaba Janjatiya Gram Utkarsh Abhiyan (DAJGUA), along with other programmes. These schemes collectively support the rapid deployment of on-grid and off-grid solar solutions like solar energy based mini grids, off-grid solar agriculture pumps and rooftop solar projects across the country, including in rural areas, by providing financial assistance.

(c) The Government is implementing the PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E - DRIVE) Scheme: This scheme with an outlay of Rs.10,900 crore has been notified on 29th September, 2024. This scheme includes support for electric vehicles including e-2W, e-3W, e-Trucks, e-buses & e-Ambulances. Further, Electric Vehicle (EV) public charging stations and upgradation of testing agencies is also included in this scheme.

(d) The production and use of the targeted quantum of green hydrogen under NGHM is expected to lead to aversion of 50 Million Metric Tonnes (MMT) per annum of CO₂ emissions, thereby supporting India's progression towards its net-zero goals.
