

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2869
ANSWERED ON 25.03.2025

NATIONAL GREEN HYDROGEN MISSION

2869. DR. SIKANDER KUMAR

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

- (a) whether the Ministry has launched any pilot projects for using Hydrogen in buses and trucks under National Green Hydrogen Mission;
- (b) if so, the details thereof;
- (c) the details of total budget sanctioned for the above pilot projects;
- (d) whether the Ministry has issued guidelines for implementing pilot projects in the transport sector under this mission, if so, the details thereof; and
- (e) the steps taken to reduce dependence on fossil fuel imports, and enable to assume technology and market leadership in green hydrogen in Himachal Pradesh?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) to (d) The Ministry of New and Renewable Energy (MNRE) is implementing the National Green Hydrogen Mission, with an objective to make India a global hub of production, usage and export of Green Hydrogen and its derivatives.

As part of this Mission, MNRE had issued the scheme guidelines for implementation of pilot projects for use of Green Hydrogen in the Transport Sector on 14th February 2024. Automotive Research Association of India (ARAI) was designated as the Scheme Implementing Agency (SIA) under this scheme.

Based on the recommendation of ARAI and Ministry of Road Transport and Highways (MoRTH), MNRE has sanctioned five pilot projects consisting total of 37 vehicles (buses and trucks), and 9 hydrogen refueling stations. These vehicles will run on 10 different routes across the country viz., Greater Noida – Delhi – Agra, Bhubaneshwar – Konark – Puri, Ahmedabad – Vadodara – Surat, Sahibabad – Faridabad – Delhi, Pune – Mumbai, Jamshedpur – Kalinga Nagar, Thiruvananthapuram – Kochi, Kochi – Edappally, Jamnagar – Ahmedabad, and NH-16 Visakhapatnam – Bayyavaram. The total financial support for the selected pilot projects is Rs. 208 Crore from the Government of India.

(e) National Green Hydrogen Mission aims to develop Green Hydrogen projects on a pan India basis with an objective to reduce dependence on fossil fuel imports. In addition to the pilot projects in road transport sector, following steps have been taken for development of Green Hydrogen ecosystem:

- i. Green Hydrogen/Green Ammonia Plants commissioned on or before 31.12.2030, and which utilize renewable energy for the production of Green Hydrogen or Green Ammonia, have been granted exemption from the payment of Inter State Transmission System (ISTS) charges for a period of 25 years, starting from the date of commissioning of the project.
- ii. Duty benefits under Section 26 of SEZ Act, 2005 have been allowed to the units for installation as well as O&M of renewable energy equipment exclusively for captive consumption of the unit.
- iii. Exemption has been granted from Approved List of Models & Manufacturers (ALMM) for Solar PV Modules and Revised List of Models & Manufacturers (RLMM) for Wind Turbine models requirements for Renewable Energy plants located inside an Special Economic Zone (SEZ) or Export Oriented Unit (EOU) and supplying power exclusively for production plants of Green Hydrogen (or its derivatives), which are located inside an SEZ or set up as an EOU.

The Government of Himachal Pradesh, has incorporated provisions in the Himachal Pradesh Energy Policy 2021, to promote the Green Hydrogen Energy Storage.
