

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1902
ANSWERED ON 05/08/2025

FINANCIAL APPROVAL OF PROJECTS UNDER NATIONAL GREEN HYDROGEN MISSION

1902. SHRI TEJVEER SINGH

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

- (a) the number of projects that have received financial approval so far under National Green Hydrogen Mission;
- (b) whether any technology partnership has been made involving the private sector and PSUs;
- (c) whether any report has been published on sustainability of water resources and environmental assessment for green hydrogen production; and
- (d) whether any training module has been launched for employment generation and skill development under the Mission?

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER
(SHRI SHRIPAD YESSO NAIK)

(a)&(b) 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.

- Strategic Interventions for Green Hydrogen Transition (SIGHT) is a key component of the Mission which provides financial incentives for production of green hydrogen and electrolyser manufacturing. A production capacity of 8,62,000 tonnes per annum of green hydrogen has been allocated to 18 companies, while electrolyser manufacturing capacity of 3,000 MW per annum has been allocated to 15 companies.
- Total seven pilot projects have been sanctioned for use of green hydrogen in the steel sector.
- Five pilot projects are sanctioned for use of green hydrogen in road transport sector consisting total of 37 vehicles (buses and trucks), and 9 hydrogen refueling stations, on 10 different routes across the country. The following technology partnerships have been made:
 - i. M/s NTPC Limited and M/s Ashok Leyland
 - ii. M/s Indian Oil Corporation Limited and M/s Tata Motors
 - iii. M/s Hindustan Petroleum Corporation Limited and M/s Volvo Trucks India Limited.
- The Ministry of New and Renewable Energy has also awarded 23 projects to various research institutions under the research & development scheme of NGHM for research, innovation and development on specific topics covering hydrogen production, applications and safety.

(c) The Ministry of New and Renewable Energy has not published any report on sustainability of water resources and environmental assessment for green hydrogen production.

- Council on Energy, Environment and Water (CEEW) has published a report titled ‘Unlocking India's RE and Green Hydrogen Potential - An Assessment of Land, Water, and Climate Nexus.’
- Indo – German Energy Forum (IGEF) has published a study on Possibilities and Implications of Desalination for the production of Green Hydrogen in India.

(d) Skill Development is an important activity under the National Green Hydrogen Mission. Till 25th July 2025, 24 Qualification Packs (QPs) and 19 Micro-Credentials have been developed by Power Sector Skill Council, Hydrocarbon Sector Skill Council, Logistics Sector Skill Council and Skill Council for Green Jobs, duly approved by National Council for Vocational Education and Training (NCVET). The QPs and micro-credentials have been developed targeting employment generation and skill development in green hydrogen value chain.
