

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2859
ANSWERED ON 17.03.2026

STRATEGIC ROADMAP FOR NGHM

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

- (a) the current status and strategic roadmap for the National Green Hydrogen Mission (NGHM);
- (b) the allocation of funds and incentives for green hydrogen production and usage;
- (c) the identification of potential green hydrogen hubs in industrially advanced States like Telangana;
- (d) the initiatives for research, development and pilot projects in green hydrogen; and
- (e) the measures to create demand and offtake agreements for green hydrogen?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) to (e) 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. Under NGHM, India aims to establish green hydrogen production capacity of 5 Million Metric tonnes per annum by 2030.

The current status of the Mission is as follows:

- i. Incentive scheme for Electrolyser Manufacturing:
 - 3000 MW per annum electrolyser manufacturing capacity has been awarded, at a total financial incentive of Rs. 4440 crores.
- ii. Incentive schemes for Green Hydrogen production:
 - 8,62,000 Metric Tonnes per Annum (MTPA) of green hydrogen production capacity, have been awarded, at a total financial incentive of Rs. 5294 crores.
- iii. Demand aggregation for green ammonia:
 - Prices have been discovered by Solar Energy Corporation of India (SECI) for the production and supply of 7,24,000 Metric Tonnes per Annum (MTPA) of Green Ammonia (a derivative of Green Hydrogen) to 13 fertilizer units across India. The total financial incentive for this is Rs. 1534 crores.
- iv. Demand aggregation of green hydrogen in refinery sector:
 - 20,000 tonnes per annum of green hydrogen production and supply capacity has been awarded for supply to the refineries of Indian Oil Corporation Ltd., Bharat Petroleum Corporation Limited and Hindustan Petroleum Corporation Limited, at a total financial incentive of Rs. 240 crores. Additionally, price has been discovered for production and supply of 10,000 tonnes per annum of green hydrogen to Numaligarh Refinery Limited, Assam.

- v. Pilot projects:
- Five pilot projects have been sanctioned for the use of hydrogen in steel sector.
 - V. O. Chidambaranar Port Authority has awarded a project for development of bunkering and refuelling facility for green methanol at the port.
 - Five pilot projects have been sanctioned for deployment of 37 hydrogen - fuelled vehicles with 9 Hydrogen Refuelling Stations (HRS) along 10 different routes across India.
- vi. Research and Development:
- Twenty three (23 nos.) projects have been sanctioned as part of Research and Development (R&D) scheme of NGHM.
- vii. Green Hydrogen Hubs:
- Deendayal Port (Kandla, Gujarat), V. O. Chidambaranar Port (Tuticorin, Tamil Nadu) and Paradip Port (Odisha) have been recognised as green hydrogen hubs under the NGHM.
 - In addition, the ministry has endorsed the proposal by NTPC for setting up of the Green Hydrogen Hub at Pudimadaka, Andhra Pradesh.
 - Four projects have been awarded to be developed as Hydrogen Valley Innovation Clusters (HVICs) namely, Jodhpur hydrogen valley, Odisha hydrogen valley, Pune hydrogen valley and Kerala hydrogen valley.

No proposals have been received for the establishment of green hydrogen hub in Telangana under the National Green Hydrogen Mission (NGHM).
