

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 294
ANSWERED ON 21.07.2026

NATIONAL GREEN HYDROGEN MISSION

294. DR. K. LAXMAN

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

- (a) the progress made under the National Green Hydrogen Mission, including the implementation status of the Strategic Interventions for Green Hydrogen Transition (SIGHT) Programme;
- (b) the details of incentives extended for green hydrogen production, electrolyser manufacturing, energy storage technologies and the extent of private sector participation;
- (c) the measures taken to position India as a global hub for green hydrogen production and exports; and
- (d) whether Government proposes to extend green hydrogen-linked industrial incentives to Telangana's chemical and fertilizer sectors, and if so, the details thereof?

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

The implementation status of the SIGHT (Strategic Interventions for Green Hydrogen Transition) programme, is given below:

1. 3000 MW per annum of electrolyser manufacturing capacity has been awarded to 15 companies.
2. 7,56,100 Metric Tonnes per Annum (MTPA) of green hydrogen production capacity stands awarded to 16 companies.
3. Green Ammonia Sale and Purchase Agreements have been signed for the production and supply of 6,70,000 Metric Tonnes per Annum (MTPA) of Green Ammonia (a derivative of Green Hydrogen) to 11 fertilizer units across India.
4. 30,000 tonnes per annum of green hydrogen production and supply capacity has been awarded for supply to the refineries of Indian Oil Corporation Ltd. (IOCL), Bharat Petroleum Corporation Limited (BPCL), Hindustan Petroleum Corporation Limited (HPCL) and Numaligarh Refinery Limited (NRL).

The progress made under other activities of NGHM are as under:

1. Four pilot projects have been sanctioned for the use of hydrogen in steel sector.
2. V. O. Chidambaranar Port Authority has been awarded a project for development of bunkering and refuelling facility for green methanol at the port.
3. A project has been awarded to Shipping Corporation of India to acquire a dual-fuel ship capable of running on green methanol.
4. Twelve pilot projects have been sanctioned for deployment of 70 hydrogen - fuelled vehicles with 16 Hydrogen Refuelling Stations (HRS) across 21 different routes across India.
5. Four projects have been awarded as Hydrogen Valley Innovation Clusters (HVICs) namely, Jodhpur hydrogen valley, Odisha hydrogen valley, Pune hydrogen valley and Kerala hydrogen valley.
6. Seven projects (7 nos.) have been sanctioned for the establishment of testing facilities.
7. Twenty-seven (27 nos.) projects have been sanctioned as part of Research and Development (R&D) scheme of NGHM.

8. Four (4 nos.) projects have been awarded for development as Centre for Excellence in R&D.

(b) The details of incentives extended for green hydrogen production and electrolyser manufacturing are as follows:

1. For Green Hydrogen production, the scheme guidelines provide for a direct incentive in terms of ₹/kg of Green Hydrogen production for a period of 3 years. The incentives are capped at ₹50/kg in the first year of production, ₹40/kg during the second year of production and ₹30/kg during the third year of production.

2. For electrolyser manufacturing, the scheme guidelines provide incentive in terms of ₹/kW for a period of 5 years. Base incentive starts at ₹4440/kW in the first year and gradually tapers down on an annual basis.

The extent of private sector participation is given below:

1. For electrolyser manufacturing, 15 private companies have been awarded incentives.

2. For Green Hydrogen production, 15 private companies have been awarded incentives.

3. For Green Ammonia production and supply, 4 private companies have signed agreements to supply Green Ammonia to fertilizer units.

4. For Green Hydrogen production and supply, 3 private companies have been awarded contracts to supply Green Hydrogen to the refineries of IOCL, BPCL, HPCL, and NRL.

(c) The Ministry of New and Renewable Energy 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.

The Mission includes incentive schemes for production of Green Hydrogen and electrolyser manufacturing under the Strategic Interventions for Green Hydrogen Transition (SIGHT) Programme, with an outlay of ₹ 17,490 crore. As part of this incentive programme, a production capacity of 7,56,100 tonnes per annum of Green Hydrogen has been allocated, while electrolyser manufacturing capacity of 3,000 MW per annum has been assigned.

The other measures taken to position India as a global hub for green hydrogen production and exports are as follows:

1. 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 ISTS charges for a period of 25 years.

2. 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.

3. Exemption has been granted from ALMM and RLMM requirements for Renewable Energy plants located inside 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.

(d) No fertilizer unit in Telangana has participated to purchase Green Ammonia under the Strategic Interventions for Green Hydrogen Transition (SIGHT) programme as a part of the National Green Hydrogen Mission (NGHM).
