

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1100
ANSWERED ON 09.12.2025

GREEN HYDROGEN VALLEY PROJECTS UNDER NGHM

1100. SMT. SANGEETA YADAV

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

- (a) the current status of the three newly sanctioned Green Hydrogen Valley projects under National Green Hydrogen Mission (NGHM);
- (b) the manner in which the Ministry is expediting the establishment of indigenous electrolyser manufacturing capacity;
- (c) whether a robust mechanism has been put in place to monitor the green hydrogen production incentives;
- (d) how the Ministry is promoting the utilisation of green hydrogen in steel and heavy-duty transport sectors; and
- (e) the final guidelines for the pilot projects on using green hydrogen in shipping and railways?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) Ministry of New and Renewable Energy (MNRE), under National Green Hydrogen Mission (NGHM), has sanctioned four (4 nos.) Hydrogen Valley Innovation Clusters (HVIC) namely Jodhpur HVIC, Pune HVIC, Bhubaneswar HVIC and Kerala HVIC.

All four HVICs have initiated their administrative establishment processes, commenced recruitment of personnel, and made significant progress in land/site preparedness and equipment procurement. Preliminary research, development, and technical activities have also been undertaken.

(b) MNRE, under the Strategic Interventions for Green Hydrogen Transition (SIGHT) program of NGHM, has awarded 3000 MW per annum of electrolyser manufacturing capacity. The manufacturers are required to demonstrate a year – on – year increase in the Local Value Addition for electrolyser manufacturing.

(c) A Scheme Monitoring Committee under the chairmanship of Secretary, MNRE has been constituted for monitoring the implementation status and performance of green hydrogen production capacities awarded under NGHM.

Further, the Solar Energy Corporation of India (SECI), as the implementing agency, undertakes periodic reviews of the green hydrogen production capacities awarded under NGHM. Additionally, MNRE has also notified the Green Hydrogen Certification Scheme. Green hydrogen projects will become eligible for incentives under NGHM upon demonstrating full compliance with the provisions of this certification scheme.

(d) MNRE has issued the scheme guidelines for implementing pilot projects for the use of green hydrogen in the steel sector under NGHM. Five (5 nos.) pilot projects have been sanctioned under the scheme for demonstrating the use of hydrogen in steel production.

MNRE has also issued the scheme guidelines for implementation of pilot projects for use of green hydrogen in the transport sector under NGHM. Five (5 nos.) pilot projects have been sanctioned for deployment of 37 hydrogen - fuelled vehicles with 9 Hydrogen Refuelling Stations across 10 different routes in India.

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

There is no specific scheme for implementation of pilot projects for use of green hydrogen in railways under NGHM.
