

F No. 353/12/2025-NT
Government of India
Ministry of New and Renewable Energy
(Hydrogen Division)

Atal Akshay Urja Bhawan, Lodhi Road,
New Delhi 110003
Date: 27th June 2025

To

The Pay & Accounts Officer,
Ministry of New and Renewable Energy,
New Delhi- 110003

Subject: Revised Scheme Guidelines for setting up Hydrogen Valley Innovation Cluster (HVIC) and Green Hydrogen Hubs in India under National Green Hydrogen Mission (NGHM)

Sir/Madam,

I am directed to convey the sanction of the President of India for the implementation of the 'Revised Scheme for setting up Hydrogen Valley Innovation Cluster (HVIC) and Green Hydrogen Hubs in India under National Green Hydrogen Mission (NGHM)'.

2. Objectives:

Objectives of the Scheme are as follows:

Component A: HVIC

- i. The HVICs will be strategically established in distinct regions across the country, showcasing the diverse applications of GH₂ in various sectors.
- ii. Serving as test beds for innovative GH₂ technologies, these clusters will also function as living labs, enabling experiential learning and insights from small-scale hydrogen implementations.
- iii. HVIC would foster business innovation, new business models, and techno-economic viability through strategic linkages that connect hydrogen producers to off-takers.
- iv. It will be the responsibility of each HVIC to identify and arrange for necessary land and build-up space for the setting up of the HVIC at identified locations. There is no provision of funding towards the cost of acquisition of land for setting up HVIC.
- v. In order to maintain a balance between demand and supply, HVICs are designed to create the requisite demand for the uptake of GH₂ or its derivatives by developing the capability to localize and integrate the hydrogen value chain,



- securing commitments from end-users for GH₂ applications, and implementing a comprehensive plan for sustainability beyond NGHM funding.
- vi. Outcomes of HVIC will enable in the development of future robust policy and regulatory frameworks essential for supporting and accelerating the implementation of various other components of the NGHM including the Hydrogen Hub for accelerating the GH₂ ecosystem.
 - vii. Green Hydrogen (GH₂) production will adhere to the standards as defined by the Government of India (GoI).

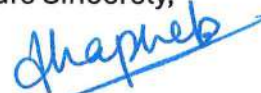
Component B: Green Hydrogen Hubs

- i. Hydrogen hub is an identified geographical region where there exists a network of Hydrogen producers, end use (domestic or export) with sufficient supporting infrastructure of Hydrogen storage, processing, and transportation.
 - ii. Hydrogen hub might be located inland or near ports to enable exports of GH₂ and its derivatives. Potential locations for such hubs would be regions having clusters of refineries/ fertilizer production plants and other end use industries in close vicinity.
 - iii. The Hydrogen hub should have a planned/announced capacity of at least 1,00,000 Metric Tonnes Per Annum (MTPA). Higher production capacity will get priority.
 - iv. Leveraging existing infrastructure for Hydrogen production, transportation, storage, and utilization will be encouraged.
 - v. The infrastructure, projects, and key resources will be mapped under the PM Gati Shakti portal to ensure optimal and coordinated development.
3. Implementation Methodology: The Scheme will be implemented as per the detailed Guidelines given at Annexure.
4. The expenditure on this scheme will be met from the budget provisions made under the National Green Hydrogen Mission Head.
5. DST shall nominate a Scheme Implementing Agency (SIA) for implementation of the HVIC scheme. The Ministry of New & Renewable Energy (MNRE) and its nominated Scheme Implementing Agency (SIA) will be the Implementing Agency for Green Hydrogen Hubs in India under National Green Hydrogen Mission (NGHM).
6. The "Revised Scheme Guidelines for setting up Hydrogen Valley Innovation Cluster (HVIC) and Green Hydrogen Hubs in India under National Green Hydrogen Mission (NGHM)" will supersede the 'Scheme Guidelines for setting up Hydrogen Hubs in India under the National Green Hydrogen Mission (NGHM)', issued by MNRE on 15th March 2024 (vide F No 353/7/2024-NT).

Shaphob

7. This issues in exercise of the powers conferred on this Ministry and with the concurrence of IFD vide their Diary. No. 124 dated 26/06/2025.
8. This has the approval of Hon'ble Minister of New and Renewable Energy.

Yours Sincerely,



(Prasad Chaphekar)

Deputy Secretary

Enclosed: Annexure

Copy to:

1. All Central Government Ministries and Departments
2. All Members of the Empowered Group under the Mission
3. All Members of the Advisory Group under the Mission
4. CEO, NITI Aayog, Sansad Marg, New Delhi
5. State Nodal Agencies (SNAs) of all States/UTs
6. Major Public Sector Enterprises operating in Renewable Energy/Power Sector
7. Principal Director of Audit, Scientific Audit-II, DGCAR, I.P. Estate, Delhi- 110002
8. Director General (Local Bodies), Office of the Comptroller & Auditor General, Deen Dayal Upadhyay Marg, New Delhi
9. Solar Energy Corporation of India (SECI), 6th floor, Plate-B, NBCC office, Block tower-2, East Kidwai Nagar, New Delhi. 110023
10. Indian Renewable Energy Development Agency Limited (IREDA), 3rd floor, August Kranti Bhavan, Bhikaji Cama place, New Delhi-1 10066

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(Prasad Chaphekar)

Deputy Secretary