

The logo for Corpbiz, featuring a stylized 'C' with an orange and blue gradient, followed by the word 'orpbiz' in a dark blue sans-serif font. The logo is centered within a white circular background.

Corpbiz

The background of the entire page is a close-up, high-resolution photograph of a green leaf, showing the intricate network of veins and the cellular structure of the leaf surface. The color is a vibrant, natural green.

Union Cabinet Approves the National Green Hydrogen Mission

On 04th January 2023, the Ministry of New and Renewable Energy issued a Press Release stating the approval of the "National Green Hydrogen Mission" by the Union Cabinet, chaired by the Hon'ble Prime Minister Shri Narendra Modi. The initial outcome for the Mission is stated to be INR 19,744 Crore, which includes the outlay of INR 17,490 Crore for the SIGHT Programme, INR 1,466 Crore for pilot projects, INR 400 Crore for R&D, and INR 388 Crore toward other components of the Mission. MNRE is to formulate the Scheme Guidelines for the implementation of the respective components. The aim of the Mission is to make India a Global Hub for the production, utilisation and exportation of Green Hydrogen and its derivatives. The Mission is to help India in becoming Energy Independent and in the Decarbonisation of significant sectors of the economy.

The outcomes set for the Mission to be achieved by 2030 are as follows -

- Development of green hydrogen production capacity of at least 5 MMT (Million Metric Tonnes) per annum with an associated renewable energy capacity addition of about 125 GW in the country
- Over INR 8 Lakh Crore in total investments
- Creation of over 6 Lakh jobs
- Cumulative reduction in fossil fuel imports over INR 1 Lakh Crore
- Abatement of nearly 50 MMT of annual greenhouse gas emissions

The Mission is to provide with the following benefits -

- Creation of export opportunities for Green Hydrogen and its derivatives
- Decarbonisation of industrial, mobility and energy sectors
- Reduction in dependence on imported fossil fuels and feedstock
- Development of indigenous manufacturing capabilities
- Creation of employment opportunities
- Development of cutting-edge technologies

India's Green Hydrogen production capacity is expected to reach at least 5MMT per annum, with an associated renewable energy capacity addition of about 125 GW. The targets by 2030 are likely to bring in over INR. 8 Lakh Crore investments and create over 6 lakh jobs. Nearly 50 MMT per annum of CO2 emissions are expected to be averted by 2030. The Mission is to facilitate demand creation, production, utilisation and exportation of Green Hydrogen.

Under the Strategic Intervention for Green Hydrogen Transition Programme (SIGHT), two distinct financial incentive mechanisms are to be provided under the Mission, which are as follows -

- Targeting domestic manufacturing of electrolyzers
- Production of Green Hydrogen

The Mission is also to support pilot projects in emerging end-use sectors and production pathways. Regions capable of supporting large-scale production and/or utilisation of Hydrogen are to be identified and developed as Green Hydrogen Hubs.

An enabling Policy Framework is also to be developed in order to support the establishment of the Green Hydrogen Ecosystem. A robust Standards and Regulations Framework is also to be developed. The Press Release further states that a public-private partnership framework for R&D (Strategic Hydrogen Innovation Partnership – SHIP) is to be facilitated under the Mission. R&D Projects are to be goal-oriented, time-bound and suitably scaled up to develop globally competitive technologies. A coordinated skill development programme is also to be undertaken under the Mission.

All concerned Ministries, Departments, agencies and institutions of the Central and State Governments are to undertake focused and coordinated steps to ensure the successful achievement of the Mission objectives. The Ministry of New & Renewable Energy is to be responsible for the overall coordination and implementation of the Mission.

Official Notification Attached [here](#)



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