

Ministry of New and Renewable Energy



Government Highlights Progress Under National Green Hydrogen Mission to Reduce Green Hydrogen Costs

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The Ministry of New and Renewable Energy (MNRE) 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.

India's Green Hydrogen production capacity is likely to reach 5 Million Metric Tonnes per annum by 2030.

Significant steps have been taken under NGHM for reducing the cost of green hydrogen, details of which are provided below:

- i. Under the incentive scheme for Electrolyser Manufacturing, 15 companies have been awarded a total manufacturing capacity of 3,000 MW per annum. The total incentive awarded is Rs. 4440 crores.
- ii. Under the incentive scheme for Green Hydrogen production, 18 companies have been awarded a cumulative production capacity of 8,62,000 tonnes per annum.
- iii. Under the incentive scheme for procurement of Green Hydrogen for refineries, 2 companies have been awarded a total capacity of 20,000 tonnes per annum.

Other steps taken to facilitate reduction in green hydrogen cost, are as follows:

- i. 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 Inter State Transmission System (ISTS) charges for a period of 25 years, starting from the date of commissioning of the project.
- ii. Duty benefits under Section 26 of SEZ Act, 2005 have been allowed to the units for installation as well as Operation and Maintenance (O&M) of renewable energy equipment exclusively for captive consumption of the unit.

MNRE is supporting a Research and Development project titled 'Scale-up of Perovskite Tandem Solar Cells (Phase-I)' with total project cost of Rs. 83.19 crores for scaleup and indigenisation of perovskite tandem solar cell technology.

This information was submitted by Union Minister of State for New and Renewable Energy Shri Shripad Yesso Naik in a written reply in Rajya Sabha today.

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