

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 243
ANSWERED ON 24/07/2024

NATIONAL GREEN HYDROGEN MISSION (NGHM)

243. SHRI PRAVEEN PATEL
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SHRI NARESH GANPAT MHASKE

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

- (a) the details of the National Green Hydrogen Mission (NGHM) along with its characteristics;
- (b) the target of the mission by the year 2024;
- (c) the total amount being spent by Government towards the mission;
- (d) the details of the total investment planned for the mission;
- (e) the total number of employment aimed to be provided thereunder; and
- (f) the extent to which the country's oil import is likely to be reduced due to this Mission and Government expenditure likely to be saved on account of it?

ANSWER

**THE MINISTER OF NEW & RENEWABLE ENERGY AND CONSUMER AFFAIRS,
& FOOD AND PUBLIC DISTRIBUTION**

(SHRI PRALHAD JOSHI)

(a) to (e) The Union Cabinet approved the National Green Hydrogen Mission on 4th January 2023, with an outlay of ₹ 19,744 crore. The overarching objective of the Mission is to make India a Global Hub for production, usage and export of Green Hydrogen and its derivatives, by targeting production of 5 MMT per annum of Green Hydrogen by 2030. The following components have been announced as part of the Mission:

- i. Facilitating demand creation through exports and domestic utilization;
- ii. Strategic Interventions for Green Hydrogen Transition (SIGHT) programme, which includes incentives for manufacturing of electrolysers and production of green hydrogen;
- iii. Pilot Projects for steel, mobility, shipping, decentralized energy applications, hydrogen production from biomass, hydrogen storage, etc.;
- iv. Development of Green Hydrogen Hubs;
- v. Support for infrastructure development;
- vi. Establishing a robust framework of regulations and standards;
- vii. Research & Development programme including through a public-private partnership framework for R&D;
- viii. Skill development programme; and
- ix. Public awareness and outreach programme.

The Mission has an outlay of ₹ 600 crore for the FY 2024 – 25 under various heads.

The Green Hydrogen production capacity envisaged by 2030 is likely to leverage over ₹8 lakh crore in total investments in the Green Hydrogen industry. This investment is estimated to create 6,00,000 jobs by 2030.

(f) Green Hydrogen has the potential to replace the utilization of imported fossil fuels across various sectors including fertilizer production, petroleum refining, the mobility sector, steel production and shipping propulsion applications.

The Mission is expected to reduce a cumulative ₹ 1 lakh crore worth of fossil fuel imports by 2030.
