

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 3171**  
ANSWERED ON 28.03.2023

**STATUS OF NATIONAL GREEN HYDROGEN MISSION**

3171. DR. ANIL JAIN

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 2023;
- (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 under the said scheme; and
- (f) to what extent the country's oil import is likely to be reduced due to the National Green Hydrogen Mission and Government expenditure likely to be saved on account of it?

**ANSWER**

**THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER**

**(SHRI R.K. SINGH)**

(a) to (e) On 4<sup>th</sup> January 2023, the Union Cabinet approved the National Green Hydrogen Mission with an outlay of ₹ 19,744 crore. The overarching objective of the Mission is to make India the 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 electrolyzers 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 Green Hydrogen production capacity envisaged by 2030 is likely to leverage over ₹8 lakh crore in total investments in creating the Green Hydrogen ecosystem and create over 6 lakh jobs.

(f) Crude oil imports can be reduced through use of green hydrogen as a fuel in mobility and shipping applications. Under the Mission, only pilot projects are planned in these sectors. However, in other sectors such as fertilizer production and petroleum refining, green hydrogen production can substitute both domestic and imported natural gas.

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