

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 447**  
ANSWERED ON 06/02/2024

**NATIONAL GREEN HYDROGEN MISSION**

447. MS. KAVITA PATIDAR  
DR. SUMER SINGH SOLANKI

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

- (a) the mission and objectives of national green hydrogen mission;
- (b) whether the mission will have any impact on enhancing India's energy needs;
- (c) if so, the details thereof; and
- (d) the details of financial resources earmarked by Government for the successful implementation of the mission?

**ANSWER**

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

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

(a) to (d) The Ministry of New and Renewable Energy is implementing the National Green Hydrogen Mission, launched by the Government in January 2023. The overarching objective of the Mission is to make India the Global Hub for production, usage and export of Green Hydrogen and its derivatives.

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 Mission is expected to have a positive impact on augmenting India's energy availability. By 2030 India's Green Hydrogen production capacity is likely to reach 5 MMT per annum, with an associated renewable energy capacity addition of about 125 GW, contributing to reduction in dependence on import of fossil fuels. Achievement of Mission targets is expected to reduce a cumulative ₹ 1 lakh crore worth of fossil fuel imports by 2030.

The Government has earmarked a financial outlay of ₹ 19,744 crore till Financial Year 2029 - 30 for successful execution of the Mission.

\*\*\*\*\*