

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 457**  
ANSWERED ON 06/02/2024

**PROGRESS UNDER THE NATIONAL GREEN HYDROGEN MISSION**

457. SHRI S NIRANJAN REDDY

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

- (a) the details of the National Green Hydrogen Mission launched to make the country the global hub of green hydrogen production and export;
- (b) the details of the quantum of funds allocated, disbursed and utilised under the scheme;
- (c) the progress made so far, along with State/UT-wise details;
- (d) whether Government has identified regions capable of supporting large scale production and utilization of hydrogen as green hydrogen hubs; and
- (e) if so, the details thereof?

**ANSWER**

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

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

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

The tender for selection of Green Hydrogen Producers for setting up Production Facilities for Green Hydrogen in India under the Strategic Interventions for Green Hydrogen Transition

(SIGHT) Scheme (Mode-1-Tranche-I), has been awarded on 9<sup>th</sup> January, 2024 to 10 companies for a total capacity of 4,12,000 tons per annum.

The tender for selection of Electrolyser Manufacturers (EM) for setting up Manufacturing Capacities for Electrolysers in India under SIGHT Scheme (Tranche-I), has been awarded on 12<sup>th</sup> January, 2024 to 8 companies for a total capacity of 1500 MW per annum.

The scheme guidelines for SIGHT Mode 2A (aggregation model for Green Ammonia) and Mode 2B (aggregation model for Green Hydrogen) have been notified on 16<sup>th</sup> January, 2024.

Scheme guidelines for implementation of pilot projects for use of Green Hydrogen in the Shipping Sector, have been issued on 1<sup>st</sup> February 2024.

The projects under these schemes, once finalized, are likely to come up in various States/UTs in the country.

(d) & (e) A key component of the National Green Hydrogen Mission is identification and development of regions capable of supporting large scale production and/or utilization of Hydrogen as Green Hydrogen Hubs.

The Mission provides for setting up of two Green Hydrogen hubs in the initial phase. The Ministry of Ports, Shipping and Waterways has identified three major ports viz. Deendayal, Paradip and V.O. Chidambaranar (Tuticorin) Ports to be developed as hydrogen hubs.

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