

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1301
ANSWERED ON 09.02.2023

NATIONAL GREEN HYDROGEN MISSION

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Will the Minister of New and Renewable Energy be pleased to state:

- (a) whether the Government has recently approved the National Green Hydrogen Mission and its various components;
- (b) if so, the details along with the salient features of the said Mission thereof;
- (c) the quantum of funds allocated for implementation of the said Mission in the country, State/UT-wise, particularly in Maharashtra;
- (d) the details of production capacity of green hydrogen targeted to be increase under the said Mission; and
- (e) the investments and jobs opportunities likely to be increase/available in the country as a result of the said Mission?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) & (b) On 4th 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. 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;
- viii. Skill development programme; and
- ix. Public awareness and outreach programme.

(c) The Mission does not have a State/UT-wise allocation of funds at this stage.

(d)&(e) The expected outcomes of the Mission, by 2030, are as follows:

- i. India's Green Hydrogen production capacity is likely to reach 5 MMT per annum,
- ii. This is likely to leverage over ₹8 lakh crore in total investments and create over 6 lakh jobs.
- iii. Nearly 50 MMT per annum of CO₂ emissions are expected to be averted through production and use of the targeted quantum of Green Hydrogen.
