

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 3506
ANSWERED ON 10.08.2023

GREEN HYDROGEN MISSION

3506. SHRI KRIPANATH MALLAH

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

- a) the features of the Green Hydrogen Mission;
- b) the quantum of the funds sanctioned, allocated and utilized under the said Mission during the last three years and the current year across the country, State-wise including Assam;
- c) the details of the target set and achievements made so far along with its response within the country;
- d) whether the Government has set a new target under the said Mission with regard to low carbon intensity and to reduce dependency on fossil fuel imports across the country; and
- e) if so, the details thereof?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) On 4th January 2023, the Union Cabinet approved the National Green Hydrogen Mission with an outlay of ₹ 19,744 crore from FY 2023-24 to FY 2029-30. The overarching objective of the Mission is to make India a Global Hub for production, usage and export of Green Hydrogen and its derivatives. Various financial and non-financial measures have been announced under the Mission, including inter-alia, the following:

- 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 green 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.

(b) No funds have been sanctioned so far to any State, under the Mission.

(c) to (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, 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.
- 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.
