GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2616
ANSWERED ON 16.03.2023

GREEN HYDROGEN MISSION

+2616. SHRIMATI JASKAUR MEENA
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SHRI KRIPANATH MALLAH

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

(a) the salient features of the Green Hydrogen Mission;
(b) the quantum of funds sanctioned, allocated and utilized under the said Mission during the last three years and the current year across the country, State/UT-wise including Rajasthan and Assam;
(c) the details of the targets set and achievements made thereunder 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 emission as well as to reduce dependence on import of fossil fuels across the country; and
(e) if so, the details thereof?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) to (e) 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.
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 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.

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. Nearly 50 MMT per annum of CO2 emissions are expected to be averted through production and use of the targeted quantum of Green Hydrogen.

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