

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1258
ANSWERED ON 09.02.2023

INDIA AS A GLOBAL HUB FOR GREEN HYDROGEN

1258. DR. PON GAUTHAM SIGAMANI

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

- (a) whether the Government is aiming to promote India as a global hub for green hydrogen and if so, the details thereof;
- (b) whether the Government proposes to develop green hydrogen production capacity of at least five million tonnes a year and if so, the details thereof;
- (c) whether the Government also proposes to bring in investments worth Rupees eight trillion and create over six lakh jobs by 2030 and if so, the details thereof; and
- (d) whether about 50 million tonnes a year of carbon dioxide emissions are expected to be averted by 2030 and if so, the details thereof?

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)&(d) 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 in creating the Green Hydrogen ecosystem and create over 6 lakh jobs, and
- iii. Nearly 50 MMT per annum of CO₂ emissions are expected to be averted as a result of the various Green Hydrogen initiatives under the Mission.
