

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 42
ANSWERED ON 20.07.2023

GREEN HYDROGEN POLICY

42. SHRI BIDYUT BARAN MAHATO
SHRI DHAIRYASHEEL SAMBHAJIRAO MANE
SHRI SUDHEER GUPTA
SHRI SANJAY SADASHIVRAO
MANDLIK
SHRI SHRIRANG APPA BARNE
SHRI PRATAPRAO JADHAV

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

- a) whether the Government has launched the country's first green hydrogen policy as part of its energy transition plan and if so, the details thereof;
- b) whether the Government proposes to provide incentives to produce green hydrogen and electrolyzers in the country under Green Hydrogen Mission;
- c) if so, the details thereof and the amount of green hydrogen likely to be produced annually under the said mission;
- d) whether the Government has set any criteria for selecting the beneficiaries under the said scheme and if so, the details thereof;
- e) the quantum of funds proposed to be provided by the Government to the producers of green hydrogen and electrolyzers for the next five years; and
- f) the details of other steps taken by the Government to turn India into a global hub for the production, use and export of green hydrogen and its derivatives?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) On 17th February, 2022, the Ministry of Power issued orders putting place measures to facilitate manufacturing of Green Hydrogen and Green Ammonia.

On 4th January 2023, the Union Cabinet approved the National Green Hydrogen Mission. 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 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.

(b) to (e) The Strategic Interventions for Green Hydrogen Transition (SIGHT) Programme, is a major financial measure with an outlay of ₹ 17,490 crore. The programme proposes two distinct financial incentive mechanisms to support domestic manufacturing of electrolyzers and production of Green Hydrogen.

Selection of beneficiaries under the SIGHT programmes is based on transparent and competitive bidding process as per notified scheme guidelines and several criteria, including local value addition, efficiency, least incentive demanded, etc.

The National Green Hydrogen Mission targets production of 5 MMT per annum by 2030.

(f) Other steps taken by the Government to turn India into a global hub for the production, use and export of Green Hydrogen and its derivatives, inter-alia include:

- I. Waiver of inter-state transmission charges has been granted for a period of 25 years to the producer of Green Hydrogen and Green Ammonia for the projects commissioned before 31st December 2030.
- II. The Electricity (Promoting Renewable. Energy through Green Energy Open Access) Rules, 2022, notified in June 2022 have specified provisions for facilitating supply of renewable energy through Open Access for Green Hydrogen production.
- III. Various standards related to Green hydrogen have been drafted, and forwarded to the concerned agencies for considering adoption.
