

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2335
ANSWERED ON 03.08.2023

IMPLEMENTATION OF GREEN HYDROGEN PROJECTS

2335. SHRI RAHUL RAMESH SHEWALE
DR. PRITAM GOPINATHRAO MUNDE

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

- a) whether the Government has announced new Green Hydrogen Policy to bring down costs and improve ease of implementation of green hydrogen/ green ammonia projects;
- b) if so, the details thereof;
- c) whether the policy needs to address the expectations of hydrogen producers by providing clarity on demand side measures such as hydrogen purchase obligations;
- d) if so, the details thereof;
- e) the steps taken by the Government in this regard;
- f) whether there is no mention of derivatives of green hydrogen other than green ammonia, such as methanol in the said policy;
- g) if so, the details thereof; and
- h) the corrective steps taken by the Government in this regard?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER
(SHRI R.K. SINGH)

(a) to (h) On 4th January 2023, the Union Cabinet approved the National Green Hydrogen Mission with an outlay of ₹ 19,744 crore. As outlined in the Mission document, 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 document mentions both Green Ammonia and Green Methanol as such derivatives.

Various financial and non-financial measures have been announced under the Mission, to bring down the costs and improve ease of implementation of Green Hydrogen/ Green Ammonia projects. These include 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.

In order to create bulk demand and scale up production of Green Hydrogen, the Empowered Group, constituted under the National Green Hydrogen Mission, may specify the trajectory of a minimum share of consumption of green hydrogen or its derivative products such as green ammonia, green methanol etc. for consumption by designated consumers as energy or feed-stock, taking into account availability of Green Hydrogen production, relative costs and other economic factors.
