

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2499
ANSWERED ON 03.08.2023

PRODUCTION OF AFFORDABLE GREEN HYDROGEN

2499. SHRI RAMESH BIDHURI
DR. TALARI RANGAIAH

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

- (a) whether the Government proposes to produce affordable green hydrogen at large scale within the country and to make it accessible too;
- (b) if so, the details thereof and if not, the reasons therefor;
- (c) whether any contract has been signed in this regard;
- (d) whether any land has been acquired for establishing green hydrogen plants;
- (e) if so, the details thereof; and
- (f) whether any timeline has been fixed in this regard and if so, the details thereof?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) to (f) 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 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 electrolysers 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.

Several entities have announced plans to set up production facilities for Green Hydrogen/ Green Ammonia in India. However, these are still at a preliminary stage.

These projects are expected to be implemented largely through private investments for which land acquisition is to be undertaken by the respective project developer as required.
