GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1268
ANSWERED ON 27.07.2023

PRODUCTION OF GREEN AMMONIA

1268. SHRI S. JAGATHRAKSHAKAN

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

(a) whether the Government is cognizant of the fact that production of Green Ammonia involves renewable energy, demineralized water, an electrolyzer to separate hydrogen and oxygen from water, an air separation unit to extract nitrogen from atmospheric air and the Haber-Bosch process to mix hydrogen and nitrogen inside the ammonia loop; and

(a) if so, the details of the steps that are proposed to be taken by the Government keeping in mind that green ammonia production could unlock export markets for India and bring in valuable foreign earnings?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) Yes, sir.

(b) The National Green Hydrogen Mission has been launched by the Government on 4th January 2023. The overarching objective of the Mission is to make India a global hub for production, utilisation and export of Green Hydrogen and its derivatives, including Green Ammonia. The Mission is expected to lead to development of 5 MMT Green Hydrogen production capacity per annum by 2030.

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 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.

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