

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 3080
ANSWERED ON 16.12.2021

GENERATION OF GREEN HYDROGEN

3080. SHRI LAVU SRI KRISHNA DEVARAYALU

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

- (a) the details of current capacity to generate green hydrogen and the improvement envisioned in the capacity over the next two years in the country;
- (b) the details of plans to develop or already sanctioned Electrolyzer plants, State-wise;
- (c) whether the Government has undertaken any steps to increase the plant load and capacity of Electrolyzer plants;
- (d) if so, the details thereof along with the funds being dedicated to the same and if not, the reasons therefor;
- (e) whether the Government is taking any steps to look into increasing the basic life of Electrolyzer plants to make green hydrogen production more viable in the long term; and
- (f) if so, the details thereof along with the funds being dedicated for the said purpose and if not, the reasons therefor?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) to (f) A project of one tonne per day Green Hydrogen production capacity has been established at Bikaner, Rajasthan under private sector. Further, under a Research and Development project supported by Ministry of New and Renewable Energy, a 5 Nm³/h (normal cubic meter per hour) Green Hydrogen production plant based on solar energy and electrolysis has been established at National Institute of Solar Energy, Gurugram.

In the Independence Day speech on August 15, 2021, Hon'ble Prime Minister announced the launch of National Hydrogen Mission and stated the goal to make India a global hub for Green Hydrogen production and export. The draft National Green Hydrogen Mission document is under inter-ministerial consultations.

Commercial Green Hydrogen production under the Mission is envisaged from Financial Year 2025-26 onwards. Further, the proposed Mission includes frameworks *inter alia* for indigenous manufacturing and Research & Development aimed at improving efficiency of electrolyzers.
