

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1597
ANSWERED ON 14.03.2023

PRODUCTION OF GREEN HYDROGEN

1597. SHRI BINOY VISWAM

Will the Minister of New and Renewable Energy be pleased to state:

- (a) the details of the production of green hydrogen till date in the country;
- (b) the details of the producers of green hydrogen along with the subsidies provided to each company till date; and
- (c) the details of the domestic manufacturers of Electrolysers?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a)&(b) Currently there is very limited production of Green Hydrogen in the country. Under Research and Development projects 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 Gurugram, Haryana and a 6 kg per hour Green Hydrogen production plant based on biomass gasification has been established at IISc Bangalore, Karnataka.

Further, some pilot projects have been set up in the country for production of Green Hydrogen, as follows:

- i. A Green Hydrogen manufacturing pilot plant of capacity 10 kg per day at Jorhat, Assam by Oil India Limited.
- ii. A Green Hydrogen production plant of capacity 2 kg per day at Kawas, Gujarat by NTPC Limited.
- iii. A Green Ammonia plant in Bikaner, Rajasthan which produces Green Hydrogen at a rate of 500 Nm³ / hr - about 175 tonnes per annum by M/s ACME.

Government of India has not provided any subsidy for these pilot projects.

(c) Recently, one company has set up a manufacturing facility for Polymer Electrolyte Membrane electrolysers at Bengaluru.
