

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 446
ANSWERED ON 06/02/2024

INDIA'S POSITION IN THE FINANCIAL GLOBAL GREEN HYDROGEN MARKET

446. SHRI PARIMAL NATHWANI

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

- (a) India's position in the financial global green hydrogen market;
- (b) the brief details of the Indian Gas Exchange and its operations in the country; and
- (c) the details of the growth projections, if any, of the green hydrogen market in the country?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) The Ministry of New and Renewable Energy is implementing the National Green Hydrogen Mission, launched by the Government in January 2023, with an outlay of ₹ 19,744 crore. The overarching objective of the Mission is to make India the Global Hub for production, usage and export of Green Hydrogen and its derivatives.

Various states have also announced their own Green Hydrogen policies offering various incentives for setting up production plants for Green Hydrogen. These initiatives position India as a key player in the global Green Hydrogen market.

(b) The Petroleum and Natural Gas Regulatory Board (PNGRB) has notified the PNGRB (Gas Exchange) Regulations, 2020 for regulating the establishment and operations of gas trading exchange(s) which is expected to secure suitable distribution and increase availability of natural gas by creating a free gas market to usher in gas-based economy in the country. The gas exchange provides a trading platform to foster gas trading in a fair and transparent manner to promote an efficient and robust gas market in the country. Under these regulations Indian Gas Exchange Limited (IGX) has been authorised on 02.12.2020 by PNGRB as first gas exchange.

IGX allows multiple buyers and sellers to engage in spot and forward gas contracts at designated physical hubs.

The Exchange facilitates delivery-based trading through six different contracts, including Day-Ahead, Daily, Weekday, Weekly, Fortnightly, and Monthly, with a trading window extending up to six consecutive months. Transactions occur at various delivery points, encompassing six regional gas hubs: Western, Southern, Eastern, Central, Northern, and North Eastern Hubs.

(c) The National Green Hydrogen Mission (NGHM) is expected to lead to development of 5 Million Metric Tons per annum of Green Hydrogen production capacity by 2030.
