

LOK SABHA
UNSTARRED QUESTION No. 2876
TO BE ANSWERED ON 08th August, 2024

BIO-FUEL FOR HYDROGEN POWERED VEHICLES

2876. SHRI YOGENDER CHANDOLIA:

पेट्रोलियम और प्राकृतिक गैस मंत्री

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) whether the Government is considering to manufacture Bio-fuel for hydrogen powered vehicles and if so, the details thereof;
- (b) whether the Government proposes to set up infrastructure to manufacture bio-fuel for hydrogen powered vehicles and if so, the details thereof; and
- (c) the details of company already set up in country for manufacturing bio-fuel for hydrogen powered vehicles so far?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्य मंत्री
(श्री सुरेश गोपी)

**MINISTER OF STATE IN THE MINISTRY OF PETROLEUM &
NATURAL GAS
(SHRI SURESH GOPI)**

(a) to (c): The Government is implementing the National Green Hydrogen Mission (NGHM) with the overarching objective of making India a global hub for production, usage, and export of green hydrogen and its derivatives by targeting production of 5 Million Metric Tonnes (MMT) per annum of green hydrogen by 2030. Under the Mission, Ministry of New and Renewable Energy has defined Green Hydrogen as, inter alia, hydrogen produced through conversion of biomass. One of the key components of the NGHM is also to support pilot projects in the Transport sector. Scheme Guidelines for implementation of Pilot projects for use of Green Hydrogen in the Transport under the NGHM have been issued in February 2024.

Bharat Petroleum Corporation Limited (BPCL) is setting up a pilot project for Green Hydrogen production through biomass route for captive use at its refineries. Further, Indian Oil Corporation Limited (IOCL) has established Hydrogen Infrastructure for vehicle refueling stations as a strategic initiative to boost the hydrogen market and encourage stakeholders by providing state-of-the-art refueling facilities for fuel cell vehicles. The infrastructure configuration includes hydrogen derived from electrolysis, natural gas reforming, and purification units, alongside compression, storage and dispensing facilities.
