

LOK SABHA
STARRED QUESTION NO. 236
TO BE ANSWERED ON 17th March, 2022

Hydrogen Fuel Cell Powered Bike

236. SHRI DHAIRYASHEEL SAMBHAJIRAO MANE:
SHRI RAVI KISHAN:

पेट्रोलियम और प्राकृतिक गैस मंत्री

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

- (a) whether Indian Oil Research and Development Centre has developed the country's first hydrogen fuel cell powered bike and if so, the details thereof;
- (b) whether the Government also proposes to launch four wheeler powered on green fuel in near future and if so, the details thereof along with the steps taken in this regard;
- (c) the details of existing hydrogen refuelling stations at present in the country including their capacity and volume of sales in monetary terms;
- (d) whether the Government proposes to increase the number of hydrogen refuelling stations in the country and if so, the details thereof;
- (e) the details of present source of hydrogen as green fuel in the country; and
- (f) the steps taken/being taken by the Government to infuse more funds in the Research and Development of using hydrogen as future fuel in the country?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्री (श्री हरदीप सिंह पुरी)

MINISTER IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI HARDEEP SINGH PURI)

- (a) to (f) A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) OF LOK SABHA STARRED QUESTION NO.236 BY SHRI DHAIRYASHEEL SAMBHAJIRAO MANE and SHRI RAVI KISHAN TO BE ANSWERED ON 17TH MARCH, 2022 REGARDING HYDROGEN FUEL CELL POWERED BIKE.

(a) Yes Sir, Indian Oil Research and Development Centre has integrated a prototype of hydrogen fuel cell bike.

(b) Government has notified Production Linked Incentive (PLI) Scheme for Automobile and Auto components under which financial incentives are envisaged to boost domestic manufacturing of Advanced Automotive Technology products and attract investments in the automotive manufacturing value chain. One of the component of the scheme is Champion OEM incentive scheme which is applicable on Battery Electric Vehicles and Hydrogen Fuel Cell Vehicles of all segments – 2 wheelers, 3 wheelers, passenger vehicles, commercial vehicles, Tractors, Automobile meant for Military use and any other Advanced Automotive Technology vehicle as prescribed by Government.

(c) and (d) At present, there are no commercial hydrogen refueling stations in the country.

(e) and (f) Green Hydrogen can be produced through different pathways such as from electrolysis of water using renewable power, from Bio-methane and from Biomass gasification. Government has announced a National Hydrogen Mission on 15th August, 2021. Various R&D activities on Hydrogen are also undertaken by Oil and Gas PSUs (OGPSUs). Further, OGPSUs have formed a Hydrogen Corpus Fund to fund R&D on various facets of Hydrogen including its application as an automotive fuel.
