

Transportation Cost of Hydrogen

3354 ShRI SUSHIL KUMAR SINGH:

पेट्रोलियम और प्राकृतिक गैस मंत्री

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

- (a) whether the Government is looking to leverage hydrogen for transportation by mixing the fuel with natural gas and if so, the details thereof;
- (b) whether the Ministry is relying on any technical study or research in this reference and if so, the details thereof;
- (c) whether India is working to leverage its CNG pipeline grid and infrastructure to reduce the transportation cost for hydrogen and if so, the details thereof;
- (d) whether the Government is considering a proposal to make it mandatory for fertilizer plants and oil refineries to purchase green hydrogen as part of plans to cut the nation's dependence on fossil fuels and if so, the details thereof; and
- (e) the details of other initiatives undertaken by the Ministry to cut down on the use of fossil fuels?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्य मंत्री (श्री रामेश्वर तेली)

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND
NATURAL GAS (SHRI RAMESWAR TELI)

(a) and (b) Government PSUs Indian Oil Corporation Limited (IOCL) and Indraprastha Gas Ltd (IGL) have jointly initiated a project to inject hydrogen to Natural Gas termed as Hydrogen Spiked Compressed Natural Gas (HCNG) and IOCL has undertaken pilot project of running 50 buses with HCNG. The study report is under finalization by IOCL R&D.

(c) No Sir.

(d) The Ministry of New & Renewable Energy has informed that mandate for consumption of green hydrogen by refineries and fertilizer plants is under circulation. The mandate envisages use of green hydrogen generated from renewable sources in place of fossil fuels in gradual increase of quantity. The green Hydrogen is yet to be produced in the country at commercial scale due to high cost of production.

(e) To cut down the use of fossil fuel, the Government is promoting usage of bio fuels like Ethanol blending in Petrol, Biodiesel blending in Diesel, Biomass to Ethanol conversion (2G Ethanol), Sustainable Alternative Towards Affordable Transportation (SATAT) on Compressed Bio Gas plants from Agricultural waste, etc.