



No.: CHT/ED/06

04.08.2021

**Sub: Rajya Sabha Admitted Question Unstarred : Diary No: 2552 dated 04.08.2021 to be answered on 10.08.2021 regarding Use of Hydrogen Fuel cells as Fuel**

**Q (a) whether Government is exploring the possibility of Hydrogen Fuel Cells to be used as fuel for the future of the country;**

Ans (a) Yes

**Q (b) whether Government has given priority to this study and research; and**

**Q (c) the details thereof ?**

Ans (b&c): MoP&NG is supporting a research project on development and demonstration of commercially viable Hydrogen Fuel Cell buses being carried out by IOCL R&D. The project involves mainly the following:

1. Production of Hydrogen from different pathways viz. Biomass gasification, bio-methanation, solar electrolysis based on three different electrolyzer technologies and natural gas reforming.
2. To indigenously develop and commercialize fuel cell stack / system for heavy-duty buses.
3. Field trials on 15 fuel cell buses in Delhi NCR being developed jointly with M/s TATA Motors

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