

**GOVERNMENT OF INDIA
PETROLEUM AND NATURAL GAS
LOK SABHA**

STARRED QUESTION NO:319
ANSWERED ON:17.08.2006
HYDROGEN BLENDED NATURAL GAS
Boianapalli Shri Vinod Kumar

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

- (a) whether the Government has any proposal for using mixture of hydrogen gas with natural gas as a transportation fuel;
- (b) if so, whether the Government has set up any Hydrogen Corpus Fund for conducting research and development in this regard;
- (c) if so, the details thereof;
- (d) whether any demonstration project has been initiated for the purpose; and
- (e) if so, the details alongwith the results achieved therefrom?

Answer

MINISTER OF PETROLEUM & NATURAL GAS (SHRI MURLI DEORA)

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

Statement referred to in reply to Lok Sabha Starred Question No. 319 for 17.8.2006 regarding Hydrogen Blended Natural Gas

(a): Yes, Sir.

(b) & (c): Yes, Sir. The Ministry of Petroleum and Natural Gas has set up a Rs. 100 crore Hydrogen Corpus Fund for taking up hydrogen research activities. IOC (R&D) has been made nodal agency to coordinate the research activities.

(d) & (e): Yes, Sir. IOC (R&D) has set up a Hydrogen-CNG (HCNG) dispensing station at IOC (R&D) Centre at Faridabad for dispensing HCNG blends for test vehicles. At present, trials are being conducted on passenger cars, mini buses and 3 -Wheelers using up to 10% Hydrogen in CNG.

Initial tests indicate that there is power loss with HCNG blends. Emission benefits have been observed particularly with respect to Carbon Monoxide (CO) and Hydrocarbon (HC) emissions.