

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

RAJYA SABHA
UNSTARRED QUESTION NO.602
ANSWERED ON 26.07.2024

**DEVELOPMENT OF ENVIRONMENT FRIENDLY FUEL FOR RAILWAY
OPERATIONS**

602 # SHRI ARUN SINGH:

Will the Minister of RAILWAYS be pleased to state:

- (a) the details of the success achieved by the Indian Railways Organization for Alternate Fuel (IROAF) towards developing environment friendly fuel and energy resources for railway operations; and
- (b) the number of trains running with CNG and hydrogen based hybrid engines at present?

ANSWER

MINISTER OF RAILWAYS, INFORMATION & BROADCASTING AND
ELECTRONICS & INFORMATION TECHNOLOGY

(SHRI ASHWINI VAISHNAW)

(a) & (b): IROAF was formed to explore Alternate Fuel in Indian Railways. It has promoted use of blended Bio-Diesel and partial substitution of Diesel with CNG and LNG for traction purpose.

A pilot project for retro-fitting of Hydrogen Fuel cell on Diesel Electric Multiple Unit (DEMU) rake for traction purpose has also been taken up.

26 nos Diesel Power Cars (DPC) of Diesel Electric Multiple Unit (DEMU) rakes have been converted with CNG based propulsion system.
