

**GOVERNMENT OF INDIA  
RAILWAYS  
LOK SABHA**

UNSTARRED QUESTION NO:4446  
ANSWERED ON:20.02.2014  
USE OF CNG IN DIESEL ENGINES  
Rathwa Shri Ramsinhbhai Patalbhai

**Will the Minister of RAILWAYS be pleased to state:**

- (a) whether Railways have developed and tested a kit with which diesel engines can run on CNG;
- (b) if so, the details thereof;
- (c) the time by which the commercial run of CNG engines is likely to take place; and
- (d) the ratio of cost variation between CNG and diesel run engines per 100 kilometer?

**Answer**

MINISTER OF THE STATE IN THE MINISTRY OF RAILWAYS (SHRI ADHIR RANJAN CHOWDHURY)

- (a) Yes, Madam.
- (b) Railways have tested a kit for partial running of DEMU (Diesel Electric Multiple Unit) engines on CNG. One such DEMU DPC has been developed and running at Shakurbasti diesel shed.
- (c) One DEMU DPC is already in commercial service with CNG engine.
- (d) The ratio of cost variation between CNG and diesel run engines per 100 kms i.e. saving in using CNG with 20% diesel substitution as compared to 100% diesel operations in a DPC at present is 13.4% approx.