



Promotion of Clean Fuel in Railways

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Railways are taking the following several steps to promote use of clean fuels and reduce carbon emissions:

- I. Use of B5 (5% Bio-Diesel) blends of bio diesel in the diesel locomotives.
- II. Development of Common Rail electronic Direct Injection (CReDI) system.
- III. Use of Compressed Natural Gas (CNG) based dual fuel system on DEMU trains to achieve 20% substitution of Diesel with gas.
- IV. Development of Miller cycle based turbochargers for Diesel Locomotives.
- V. Development of Variable Turbine Geometry (VTG) Turbochargers for Diesel Locomotives.
- VI. Development of High Effectiveness large after cooler for Diesel Locomotives.
- VII. Development of CNG based dual fuel system with 40% substitution of diesel for high economy and environmental benefit.
- VIII. Process to establish two bio diesel manufacturing plants with 30 Ton Per Day (TPD) capacity owned by Railways.
- IX. Started Exploring for use of Methanol on Railways locomotives.
- X. Promote use of LNG/CNG as environment friendly industrial gas in place of Liquid Petroleum Gas (LPG) and Acetylene in Railway workshops.
- XI. Promote and install roof top based solar power generation system in railways workshops and production units.
- XII. Solar panel based hotel load system for powering light and fans on 250 trailer coaches of Diesel Electric Multiple unit (DEMU) trains.

This Press Release is based on the information given by the Minister of State for Railways Shri Rajen Gohain in a written reply to a question in Lok Sabha on 19.07.2017 (Wednesday).

AKS/MKV/ENS/PM

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