Experience Sharing Dialogue
on
Improving Quality and Performance of Natural Gas Vehicles Program in South Asia

Presentation on-

Safety and Regulatory regime of CNG driven vehicles - Challenges

Presented By-

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CNG as a Transport Fuel

-First introduced to Bangladesh in 1982 through a World Bank pilot project.

-Scenarios:

  -CNG vehicles:
    -6500(2002), 0.2 million(2010)

  -CNG Conversion Workshop:

  -CNG filling stations:
    -12(2002) and 75 (2005) and 177(2010)
CNG vehicles dominating city – **Challenges**

- Increasing Demand
- Installation and maintenance and operational safety
- Emission and Climate change
Regulation and Institutional measures

- Framing related rules and regulations, specification and standards
- Develop institutional capacity to address regulatory, safety and operational issues
- Need certification and monitoring
- Third party inspection
Policy and guidance documents

- Bangladesh CNG rules 2005 *(Department of Explosives; Energy and Mineral resource division, Ministry of Power, energy and Mineral Resources)*


- Motor Vehicle Ordinance 1983/ MV Tax Act 1932

- **Proposed Road Transport and Traffic Act (RTTA)**
Weakness of MVO

- MVO does not recognize CNG, LPG and Solar energy as vehicle power source

- As such CNG vehicles, its fitment, serviceability and safety do not fall under mandatory fitness inspection

- Modern regulation and Management issues like Route franchising, Company based operation, phasing out of motor vehicles are not covered by the law

- Emission standards are not incorporated in the MVO law

- MVO covers motorized traffic only
Road Transport and Traffic Act (RTTA)

Total 19 chapters replacing previous 11 chapters

Proposed additional Chapters those will improve MVO

- Chapter II (split pre. Ch1), Definition where CNG will be defined as transport Fuel
- Chapter IX, Manufacturer, Assembler and Dealers
- Chapter XVII, Road Regulations (May be modified)
- Chapter XI, Pedestrians and NMTs
- Chapter XII, Road Accidents and Accident Reports
- Chapter XIII, Anti Auto-Crime Measures
- Chapter XVI, Taxes on Motor Vehicle

Proposed additional Clause added related to presentation topic

- Violates standards in relation to road safety, control of noise and air pollution
- Penalty increase for vehicles fails to comply with emission and safety standard.
Way forward:

- Need for more stringent emissions standards for future CNG vehicles
- Learning and Benefiting from CNG driven Safety Incidents
- Quality of Natural Gas