

CNG Retrofitment Type Approval			
CMVR Type approval - Tests			
Component level Tests			
Sr. No.	Tests	CMV Rule No.	Reference Standard
1	CNG Cylinder	115 B (GSR 853)	Gas Cylinder Rules 1981
2	CNG Valve	115 B (GSR 853)	IS : 3224 Gas Cylinder Rules 1981
3	CNG Regulator	115 B (GSR 853)	ISO : 15500 or Equivalent std & AIS : 037 CoP (TAC)
4	Gas-Air Mixer	115 B (GSR 853)	ISO : 15500 or Equivalent std
5	Petrol and Gas Solenoid Valves	115 B (GSR 853)	ISO : 15500 or Equivalent std
6	Ventilation, Testing of conduit, CNG High pressure/ Low Pressure Tubes,compartment/subcompartment	115 B (GSR 853)	AIS : 028
7	Safety checks for CNG Installation	115 B (GSR 853)	AIS : 028
Vehicle level Tests			
Sr. No.	Tests	CMV Rule No.	Reference Standard
1	Mass Emission test	115 B (GSR 853 / GSR589)	TAP 115 / 116
2	Constant Speed Fuel Consumption test (CSFC)	115 B (GSR 853)	IS : 11921(4W), IS : 10944 - 1983(Moped),IS : 10881 - 1984(2W)
3	Engine Mass Emission test(diesel engine converted to CNG)	115 B (GSR 853)	TAP 115 / 116
4	Gradeability test	115 B (GSR 853)	AIS : 003
5	EMI test (diesel vehicle converted to CNG)	115 B (GSR 853)	AIS : 004
6	Range test (Buses)	115 B (GSR 853)	-----
7	Cooling Performance test (diesel vehicle converted CNG)	115 B (GSR 853)	IS: 14557