



C A R A 1043

Date : 18<sup>th</sup> October 2022

ANNEXURE - I

Rule No.	Sub Rule(s)	Compliance Verified For	Standard
94	(1), (2) & (3)	Condition of tyres	-
95	-	Size & ply rating of tyres	-
		Front & Rear	
114	(1)	Exhaust gases	GSR 240(E) dt. 31.03.2021
	(2)	Location of exhaust pipes	
115	(1), (2)(i) & 115 [15 (a), (aa) & (b) (ii (A&B))	Emission of smoke, vapour, etc. from motor vehicle (In CNG mode)	-
115-B	B. (II) & (D)	Mass Emission Standards for CNG vehicles (For in-use Diesel Vehicle converted to CNG)	GSR 84 (E) dt. 09.02.2009
	(1)(E)	- CNG Safety Checks for CNG Kit Components and Installation on the vehicle	As per AIS 024 Rev1 & 028 Rev1 and respective standards referred in the Notification No. GSR 643(E) dt. 27.06.17, GSR 490(E) dt. 24.05.18 & Gas Cylinder Rules, 2016
124	(4) Sl. No. 5	The procedure for Type Approval and establishing Conformity of production for components – CNG Pressure Regulator Model No: HPR TYRION , TAC No. CL5031 dt. 19.02.2020 CoP Certificate No: CC0GQ 9295 dt. 28.09.2021	GSR 784(E) dt. 12.11.2008
124(1)	21(ii)	Electromagnetic compatibility (EMC)	AIS-004 (Part 3)
Mass Emission Test, Engine Performance, Gradeability, Range Test, Cooling Performance, and Fuel Consumption Test. (Ref: GSR 589(E) dt. 16-09-2005 , GSR No. 853(E) dt. 19-11-2001& GSR 84 (E) dt. 09.02.2009)			Meets the requirement of sub clauses (i),(ii),(iii),(v), (vi) & (vii)

ANNEXURE - II

Standards	Notification	Date	Effective From	Applicable CMVR
Safety Checks for use of CNG Fuels in internal combustion engines (as per AIS 024 & 028(Rev.1) (Part A)) and Gas Cylinder Rules, 2016	GSR 643(E)	27.06.2017	27.06.2017	115-B (1)(E)
	GSR 490(E)	24.05.2018	01.10.2018	

**Compliance of Mass Emission Standards & Validity: Ref. 115B(1) B.(II) Clause (c (iv)) as per GSR 84(E) dt. 09.02.2009**  
 CNG converted "In-use " diesel vehicle "Eicher Pro 3010 H Bus (December 2016 make)" fitted with E494 engine, when fitted catalytic convertor as a part of CNG kit, meets the **Bharat Stage – IV** norms, manufactured from **1<sup>st</sup> January 2016 to 31<sup>st</sup> March 2020**

ICAT Ref No.	2022-1363.; IOCS No. 161901
Emission Report No.	C T O E R 0298 dt. 20.07.2022 (Spark Plug-BOSCH (YR5DII33S), Catcon-VICAT (ZOMM-LC-1111), Gas Injector-M/s.Shigan Quantum Technologies Limited (ZOMM-LS-10517), ECU-M/s.Shigan Quantum Technologies Limited (SQT-i5))

<b>AUTHORISED SIGNATORY</b>				
<b>VIJAYANTA AHUJA</b> DEPUTY GENERAL MANAGER				