



C A R A 1020

Date : 13th 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, Fuel Consumption 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),(iv) & (vii)

ANNEXURE - II

Standards	Notification	Date	Effective From	Applicable CMVR
Safety Checks for use of CNG Fuels in internal combustion engine vehicles (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 "TATA LP 1512 TC/52 (June 2010 make)" fitted with B-5.9 130 31 engine, when fitted catalytic convertor as a part of CNG kit, meets the Bharat Stage – IV norms, manufactured from 1st April 2010 to 31st March 2020

ICAT Ref No.	2022-0995.; IOCS.No. 160354
Emission Report No.	C T O E R 0307 dt. 25.07.2022 (Spark Plug-BOSCH (FR3DE), Catcon-VICAT (ZOMM-LC-1111), ECU-M/s.Shigan Quantum Technologies Limited (SQT-i6), Gas Injector- M/s.Rail (IG4 DAKOTA)

AUTHORISED SIGNATORY

		
VIJAYANTA AHUJA DEPUTY GENERAL MANAGER	PAMELA TIKKU DIRECTOR (Offg.)	Page 2 of 4