



C A S A 0577

Date : 05th June 2023

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
	(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, Range Test and Cooling Performance. (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), (vi) & (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 (E)
	GSR 490(E)	24.05.2018	01.10.2018	

Compliance of Mass Emission Standards & Validity: Ref. 115B B.(II) Clause (c (iv)) as per GSR 84(E) dt. 09.02.2009

CNG converted "In-use " diesel vehicle "ALPSV 4/190 (2014 make)" fitted with Hino 6 engine, when fitted catalytic convertor as a part of CNG kit, meets the Bharat Stage – IV norms, manufactured from 1st April 2014 to 31st March 2020

ICAT Ref No.	2023-0114; IOCS No. 166593
Emission Report No.	C T O E S 0220 dt. 18.04.2023 (Spark Plug-BOSCH (FR3DE), Catcon-VICAT (ZOMM-LC-1111), Gas Injector- IG4 DAKOTA, ECU-M/s. Shigan Quantum Technologies Limited (SQT-i6))

AUTHORISED SIGNATORY

MADHUSUDAN JOSHI DEPUTY GENERAL MANAGER	SAURABH DALELA DIRECTOR		