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Date : 25th August 2023

## ANNEXURE - IA

**This Certificate is issued subject to the following conditions:**

i The "In-Use" Gasoline Parent Vehicle **"Grand i10 NIOS 1.2MT Kappa Magna" (April 2023** make),retrofitted with CNG kit of **M/s Motozen Fuel Systems Private Limited** , shall have CNG Cylinder and Cylinder Valve approved by PESO, Nagpur, for the following :

- A) The cylinders are filled at a pressure not exceeding 204 kgf/cm² at 15° C.
- B) The cylinders are subjected to hydrostatic stretch test at a pressure of 340 kgf/cm² as required under rule 35 of the Gas Cylinders Rules, 2016.
- C) Other relevant provisions of the said rules are complied with.

ii CNG Injector is of the type and design (Ref. Point 15 of Technical Specifications of CNG system).

iii Any Change in the CNG System Specifications or Layout will call for recertification.

iv This Certificate is issued by ICAT exclusively for fitment of the CNG system of **M/s Motozen Fuel Systems Private Limited** , (with following CNG Cylinder) on the "In-Use" Gasoline Parent Vehicle "**Grand i10 NIOS 1.2MT Kappa Magna" (April 2023** make), fitted with O.E. Catalytic Converter. **For details of CNG cylinder refer ANNEXURE III.**

v The onus of verification of fitness / proper functioning of CNG system on each and every vehicle, including endorsement as "operation on CNG" by the concerned Registering Authorities, under this Certificate lies with **M/s Motozen Fuel Systems Private Limited**

vi Registering Authorities shall, at the time of registration, verify the PESO approval for the CNG cylinder and Cylinder Valve, in respect of make / identification no. (as referred in Point 3 & 4 of Technical Specifications of CNG system) and documental reference for Quantity / Sr. No. cleared by PESO, time to time.

vii In addition, compliance to Safety Checks, Requirements shall be verified by the designated Authorities, as and whenever necessary, based on the following guidelines:

| Annex. to AIS 024 (Rev1)(Part A) | Details | Responsibility | Applicable for CNG Vehicles |
|---|---|---|---|
| III | Checklist for fitness tests and certification for In-Use vehicles after fitment / conversion to CNG mode | Undertaking by Kit Installer, Verification by RTO | In-Use |
| IV | Safety checks for use of CNG fuels in internal combustion engined vehicles (as per AIS 028(Rev.1) (Part A), ) & Gas cylinder rules, 2016 | PESO / Test Agency | All |
| V | Criteria to authorize the kit installer and responsibility of vehicle / kit manufacturer / supplier / Installer (Including Inspection, Testing & Commissioning, Garaging & Repairs, etc.) | Vehicle Manufacturer (O.E.) Kit Manufacturer (In-Use) | All |
| VI | Installation Certificate for converted CNG vehicle (A checklist given in the APPENDIX–A under AIS-024 (Rev.1) (Part A) may be referred by the Kit Installer at the time of inspection prior to issuing installation certificate). | Undertaking by Kit Installer, Verification by Designated Authority | All |
| VII | Checklist for third party checking or inspection of built-up CNG buses before registration | RTOs before Registration / Designated Authority | All Buses |
| VIII | Checklist for preventive maintenance of In-Use CNG vehicles | Workshop authorised by Kit Installer | In-Use |
| AIS – 028 (Rev.1) (Part A) | Code of practice for use of CNG fuel in internal combustion engined vehicles-AIS 028 (Rev.1) (Part A), and respective standards reffered in the Notification No. GSR 643(E) dt. 27.06.2017& GSR 1151(E) dt. 29.11.2018) | PESO / Test Agency | All |

**AUTHORISED SIGNATORY**

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|---|---|---|---|
| **MADHUSUDAN JOSHI**<br>**DEPUTY GENERAL MANAGER** | INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY ICAT Innovation • Service • Excellence MANESAR | **SAURABH DALELA**<br>**DIRECTOR** | Page 3 of 5 |