

2719/CB/PPR  
13-6-16

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
TRANSPORT DEPARTMENT: OPERATION BRANCH  
5/9, UNDER HILL ROAD: DELHI – 110054.**

No. F. DC/OPS/TPT/649/2016/ 1582-85

Dated: 10 June, 2016

CIRCULAR

The Competent Authority is pleased to grant the approval for endorsement of CNG Kit identification "RGC001" manufactured by **M/s. Innovative Engineers, B-102, Phase-1, Mayapuri Industrial Area, New Delhi-110064**, for retro fitment on MPFI "in-use" gasoline vehicles between stipulated engine cylinder capacity range (900 to 1500 CC) fitted with **OE catalytic converter** as part of CNG Kit, manufactured / registered from **01<sup>st</sup> April 2010 till 31<sup>st</sup> March, 2013**. The CNG Kit is dully approved by the designated agency i.e ICAT, Manesar, Gurgaon for compliance to the Central Motor Vehicles Rules. The details of CNG Kit are given hereunder:-

Vehicle manufacturer / Model retrofitted/Month & Year of Manufacture/ Regn.		Approved by the Testing Agency vide Certificate no.			
Vehicle Manufacturer : Hyundai Motors India Limited MODEL/Make : Hyundai i10 Sportz 1.2 (May, 2010) Type/Seating capacity: Passenger Car / 5 persons Engine Power/Capacity :58.84 kW@6000 rpm /(1200 CC) Emission Norms : BS-IV GVW kg. : 1040 Make (CNG Kit) : M/s. Innovative Engineers CNG Kit Identification : RGC001 Applicable Engine Range : (900 to 1500 CC)		<b>Certificate No.</b> CALA 0054 dated 08/03/2016 <b>Case No.</b> 2015-497 (IOCS Ref. 41077) <b>Emission Test Report No. :</b> CT0PK 0526 Dt. 17.02.2016 (Everest Kanto Cylinder – Hyundai Cat Con - Champion Spark Plug)			
The testing agency has certified that the above CNG converted "in-use" gasoline vehicle model complies with the relevant provisions of CMVR, 1989 as detailed in ANNEXURE-I to TAC No. CALA 0054 dated 08/03/2016 including following requirements :					
Mass Standards	Emission	Notification No. & Date	Effective from	To	CMV Rule
CNG (for in-use Gasoline Vehicles)		GSR 853 (E) dt. 19.11.2001	19.05.2002	Till further amendment	115 B A (II)
Type Approval norms for Petrol Vehicles	Idling CO & NMHC	GSR 111(E) dt. 10.02.2004	01.10.2004		115 (2) (i)
	Bharat Stage-IV (For Notified Areas)	GSR 84 (E) dt. 09.02.2009	01.04.2010		115 (14) (G), 15(a), (b)(i)
		GSR 443(E) dt. 21.05.2010	01.06.2010		
		GSR 504(E) dt. 21.05.2010	01.10.2014		
Compliance of Mass Emission Standards & Validity (Ref. 115B.A.(II) Clause (iv), as per GSR 84(E) dt. 09.02.2009					

*[Handwritten Signature]*  
10/06/2016

Validity :-

1. The above CNG converted "In-Use" base model "**Hyundai i10 Sportz 1.2**" (May, 2010), fitted with **RG001 CNG KIT**, fitted with O.E. Catalytic Converter, meets the Bharat Stage – IV norms. Same kit can therefore be fitted on the MPFI vehicles fitted with O.E. Catalytic converter, between stipulated Engine cylinder capacity range (**900 to 1500 CC**) manufactured / registered from **01<sup>st</sup> April, 2010 till 31<sup>st</sup> March 2013**, subject to specific approval, for layout plan by ICAT, for retro fitment of CNG kit in each vehicle model.
2. This Certificate is valid for 3 years from the date of issue of base type approval certificate No. CALA 0054 dated 08/03/2016 or until further amendment in CMVR Rules, whichever is earlier.

**1. Details of CNG Cylinders**

CNG Cylinder	Option 1	Option 2
Manufacturer	M/s. Everest Kanto Cylinder Ltd.,	M/s. Rama Cylinders Pvt. Ltd.,
Capacity, Ltr.	55 & 60 (Dia:316mm) & 65 (dia.-356mm)	55 & 60 (Dia:317mm) & 65 (dia.-356 mm)

**2. Details of Cylinder Valves**

Name of the manufacturer	M/s. Batra Valves
Model Name / Identification	Batra/CM/L-1224936 / With fusible plug

**3. Details of Refilling Valves**

Refilling Valve	Option 1	Option 2
Name of the manufacturer	M/s. Perfect Products	M/s. Emer
Model Name / I.D/Type	Albino / Nonreturn	Emer/DGM41037GM

**4. Details of Pressure Regulator**

Name of the manufacturer	M/s Innovative Engineers
Model Name / Identification/Type	RAYON / RD 101 / Electro Assisted

**5. Details of Pressure Indicator**

Name of the manufacturer	Wika, Germany
Identification / Type	Wika / Manometer type

**6. Details of Service shut off valve**

Name of the manufacturer	Part of filling valve
Identification / Type	---

**7. Details of Catalytic convertor**

Name of the manufacturer	Hyundai KSD1 CAT CON
Identification / Type	9F CO 1 /Three Way

**8. Details of Gas Air Mixer**

Name of the manufacturer	M/s. SKN Associated
Identification / Type	SKN/SCM-00-020V / Venturi Type/Attached

*[Handwritten signature]*  
09/03/2016

Kit Manufacture/Supplier/Distributor is directed to ensure the strict compliance of CMV Rules 1989, as amended from time to time. The retro-fitting shall be carried out by the authorized workshops only. Further, approval is accorded subject to ensuring fitment of same components; parts/assemblies etc. details of which are given in the detailed specification duly endorsed by the ICAT.

**The Kit Manufacture/ Installer must comply with Annexure-IA to the TAC No CALA 0054 dated 08/03/2016 and also invariably enclose certified copy of CNG specifications along with CNG installation certificate (Annexure VI) and checklist (Annexure-VII) of AIS: 024 and specific layout plan of model approved by ICAT.**

All MLOs/CMVI shall, at the time of endorsement of CNG fuel in registration certificate, verify the CCoE approval for the CNG cylinder and cylinder Valve, in respect of make / identification number (as referred in Technical Specification of CNG system endorsed by ICAT) and documental reference for quantity / Sr. No. cleared by DoE, from time to time. Further, it should also be ensured that the fitment of kit must be in accordance with the layout plan for fitment, terms & condition and validity given in the type approval certificate subject to fulfillment of provisions of Motor Vehicle Act, 1988 and Rules made there under and department instruction / order issued from time to time in this regard.

(MAHARAJ SINGH)  
MVI (OPS)

No. F. DC/OPS/TPT/649/2016/ 1582-85

Dated: 10 June, 2016

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department.
2. M/s. Innovative Engineers, B-102, Phase-1, Mayapuri Industrial Area, New Delhi-110064.
3. S.A (Computer) for uploading on the website of the department.
4. Guard File.

(MAHARAJ SINGH)  
MVI (OPS)