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

No. F. 20(85)/TPT/OPS/2007/Vol.II 4841-44

Date 30-11-2016

CIRCULAR

The Competent Authority is pleased to grant the approval of CNG Kit identification "**Wagon R BS-IV OBD II**" manufactured by **M/s Rohan BRC Gas Equipment Pvt. Ltd., Plot. No 291-304, Panchratna Industrial Estate, Beside IOC Petrol Pump, Sarkhej- Bavla Road Ahmedabad, Changodar, Taluka – Sanand, Dist. Ahmedabad-382213, India** for retro fitment on "in-use" gasoline vehicles fitted with O.E. Catalytic Converter, between stipulated engine capacity **748.5 to 1247.5 cm^3**. The CNG Kit is duly approved by the designated agencies i.e. ICAT Manesar Gurgaon for compliance to the Central Motor Vehicles Rules. The details of CNG Kit are given hereunder:-

Vehicle Model retrofitted/Month & Year of Manufacture/Regn			Approved by the Testing Agency vide Certificate No.
The designated testing agency ICAT, vide certificate no. **CALA 0169 dated 12.10.2016**, has approved the retro-fitment of CNG Kit of M/s Rohan BRC GAS Equipment Pvt. Ltd. on "in-use" base model Maruti Wagon R Vxi (998cm^3) manufactured in April 2013			Certificate No **CALA0169 dated 12th October 2016** Case No. : 2016-443 (IOCS Ref: 46504) Emission Test Report CTOPL 0622 dated 05.10.2016 (Everest Kanto Cylinder – Suzuki Cat Con-NGK-R Spark Plug)
Sr.No.	Model	Engine cm^3	CNG Kit Identification
1.	Maruti Wagon R Vxi	998	Wagon R BS IV OBD II

Validity – This certificate is valid upto 11.10.2019 i.e. 3 years from the date of issue of base type approval certificate no. CALA 0169 dated 12th October 2016 or until further amendment in CMVR Rules, whichever is earlier.

The same kit can be fitted on the MPFI vehicles fitted with O.E. Catalytic Converter between stipulated Engine CC range (**748.5 to 1247.5 cm^3**) manufactured/registered from **01st April 2013 till the validity of Bharat Stage IV norms.**

The testing agency has certified that the above CNG converted "In-use" gasoline vehicle model complies with the provisions of the CMVR, 1989 as amended upto date including following requirements :

Mass Emission Standards		**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 amended	115B A. (ii)
Type Approval norms for Petrol Vehicles	Idling CO & NMHC	GSR 103(E) dt. 23.02.2012	23.02.2013		115 (2)(i)
	BS-IV (For notified areas)	GSR 84 (E) dt. 09.02.2009	01.04.2010 01.04.2013 (OBD-II)		115 [15 (a), (b) (i)]
		GSR 443 (E) dt. 21.05.2010	01.04.2010		
		GSR 504 (E) dt. 16.07.2014	01.10.2014		
		GSR 555 (E) dt. 14.07.2015	14.07.2015		
Safety Checks for use of CNG Fuels in internal combustion engined vehicles (as per AIS 028) and Indian Gas Cylinder Rules, 2004		GSR 534(E) dt.24.07.2014	24.07.2015		115 B.E.

Compliance of Mass Emission Standards & Validity (Ref. 115B.A.(II) Clause (IV), as per GSR 84(E) dt. 09.02.2009.

30/11/2016

The fitment of CNG system installed by M/s Rohan BRC Gas Equipment Pvt. Ltd., Plot. No 291-304, Panchratna Industrial Estate, Beside IOC Petrol Pump, Sarkhej- Bavla Road Ahmedabad, Changodar, Taluka – Sanand, Dist. Ahmedabad-382213, India (with following CNG cylinder) on the "in-use" Gasoline vehicle base model " Maruti Wagon R Vxi (April 2013 make)" fitted with O.E. Catalytic Converter.

CNG Cylinders Option	1	2	3	4	5
Manufacturer	M/s Everest Kanto Cylinder Ltd.	M/s Rama Cylinders Pvt. Ltd.	M/s Lizer Cylinders Ltd.	M/s. Nitin Cylinders Pvt. Ltd.	M/s Sahuwala High Pressure Cylinder (P) Ltd.
Capacity Ltr.	50,55,60,65,70 (Dia 325mm) & 50,55,60,65 (Dia 316mm) & 60,65,70,(Dia 356mm)	55,60,65(Dia 317mm) & 60,65,70(Dia 356mm) & 50,55,60,65,70 (Dia 323mm)	60, 65 &70 (Dia 356 mm) & 60,65 (Dia 316mm)		60,65,70 (Dia 356mm) & 55,60,65 (Dia 316mm

CNG Cylinders Option	6	7	8	9	10
Manufacturer	M/s Maruti Koatsu Cylinder Ltd	M/s Jay Fe Cylinders Ltd..	M/s Associate High Pressure Technologies	M/s Euro India Cylinders Ltd.	M/s Sarju Impex Ltd.
Capacity Ltr.	60,65&70 (Dia 356 mm)& 55,60,65 (Dia 317mm)		60,62,65,70 (Dia 356) & 50,55,57, 60,63,65,(Dia 316 mm)	60,63,65,70 (Dia 356mm) & 50,55,60,65 (Dia 316mm)	60,63,65,66,70 (Dia 356mm) & 50,52,55,57,58, 60,63,65 (Dia 316mm)

Kit Manufacture/Supplier/Distributor is directed to ensure the strict compliance of CMVR Rules, 1989. The retro-fitment should 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 at the time of submission of vehicle for inspection/endorsement of CNG in registration certificate.

The Kit Manufacture/Installer must comply with Annexure-II to the TAC No CALA 0169 dt. 12.10.2016 and also invariably enclose its certified copy 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/Registering Authorities 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, 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.

30/11/2016

(VIKAS JAIN)

PCO (OPS-I)

No. F. 20(85)/TPT/OPS/2007/Vol.II 4841-44 Date 30-11-16

Copy forwarded for information and necessary action to :-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department
2. M/s Rohan BRC Gas Equipment Pvt. Ltd., Plot. No 291-304, Panchratna Industrial Estate, Beside IOC Petrol Pump, Sarkhej- Bavla Road Ahmedabad, Changodar, Taluka – Sanand, Dist. Ahmedabad-382213, India
3. S.A. (Computer) for uploading on the website
4. Guard File

30/11/2016

(VIKAS JAIN)

PCO (OPS-I)