

2705/18/HR
8/6/16

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

No. F.DC/OPS/TPT/619/2016/1441-44

Dated: ^{June} 8 May, 2016

CIRCULAR

The Competent Authority is pleased to grant the approval for endorsement of CNG Kit identification "LOVATO AUTO GAS-RME" manufactured by M/s. Lovato Gas S.p.A. Italy C/o M/s. Officine Lovato Pvt. Ltd., 308, 3rd floor, Town Center 1, M.V. Road, Nr. Mittal Estate, Andheri Kurla Road, Andheri (East), Mumbai-400059, for retro fitment on "in-use" diesel driven vehicles "TATA STAR BUS" fitted with 497 TC (3783 cc) engine and catalytic converter as part of CNG Kit manufactured from 01st January 2005 till the validity of BS-III norms. 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.

With reference to Base Type Approval Certificate No. CAJA 0060 dated 08.05.14 issued by designated testing agency ICAT, Manesar, Gurgaon and on the basis of layout plans submitted by the manufacturer/ kit supplier/ retrofitter, the ICAT has certified that retro-fitment of above CNG kit on the following 'in-use' diesel vehicle (passenger) model fitted with 497TC Tata engine having cylinder capacity 3783 CC manufactured from 01/01/2005 till the validity of BS-III norms and catalytic converter as per layout plan approved by ICAT comply with provisions of Central Motor Vehicles Rules 1989:-		Approved by the Testing Agency vide certificate No.
		Certificate No. CAJA 0060 L02 dt. 30/03/2016
		This certificate supercedes :
		Certificate No. CAJA 0060 L01 dt. 28/05/14
		Case No. : 2015-1008
		(IOCS No. : 43958)
		Emission Test Report CT0EJ 0149 Dt. 07.04.2014
S.No	Model	Engine cm3
1	TATA 410 BUS	3783 cc
2	TATA 709 BUS	
3	TATA 909 BUS	
4	TATA 912 BUS	
5	TATA 1109 BUS	
6	TATA 1110 BUS	
7	TATA 1112 BUS	
8	TATA LPO 7.5T BUS	
9	TATA LPO 8.5T BUS	
10	TATA LPO 9.6T BUS	
		Vintage of Vehicles 1 st January 2005 till the validity of Bharat Stage III norms

[Handwritten signature]
08/06/2016

6

This Certificate is **valid for 3 years** from the date of its issue of base certificate No. **CAJA 0060 dated 08/05/2014** or until further amendment in CMVR Rules, whichever is earlier.

1. Details of CNG Cylinders				
CNG Cylinder	Option 1	Option 2	Option 3	Option 4
Manufacturer	M/s. Everest Kanto Cylinder Ltd.	M/s. Rama Cylinders Pvt. Ltd.	M/s. Lizer Technologies Ltd.	M/s. Jay Fe Cylinders Ltd.
60, 65, 80 & 90				
Option 5	Option 6	Option 7	Option 8	
M/. Confidence Petroleum India Ltd.	M/s. Nitin Cylinder Limited	M/s. Maruti Coatsu Cylinders Limited	M/s. Sahuwala Higer Pressure Cylinders Ltd.	
60, 65, 80 & 90				
2. Details of Cylinder Valves				
Cylinder Valve	Option 1	Option 2	Option 3	Option 4
Name of the manufacturer	Emer S.r.l Italy	Tekno Valves	OMB Saleri SpA, Italy	Vanaz Engineering Ltd.
Model Name / Identification	119 Type – Tipovalve DGM 51684 GM	Tekno	ALFA/OMB	VANAZ
Type	Quarter turn Shut – off valve	Quarter turn Shut – off valve	Manual Shut – off valve	Hand wheel Operated
3. Details of Refueling Valves				
Refueling Valve	Option 1	Option 2		
Name of the manufacturer	Emer S.r.l., Italy	OMB Saleri SpA		
Model Name / I.D/Type	198-2B-DGM 41037 GM / Quarter turn Shut – off valve/NZS	DGm41037GM/ Quarter turn Shut – off valve/NZS		
4. Details of Pressure Regulator				
Name of the manufacturer	Officine Lovato S.p.A, Italy			
Model Name / Identification / Type	RME 140. TAC No. : A 92318 / CNG Electronic Reducer			

5. Details of Gas –Air mixer	
Name of the manufacturer	Officine Lovato S.p.A, Italy
Model Name / Identification/ Type	LOV IM 06 / LOVATO / Venturi Type
6. Details of Catalytic converter	
Name of the manufacturer	OE fitted
Model Name / Identification	ENGELHARD

[Handwritten signature and date]
18/05/2014

7. Details of Pressure Indicator		
Name of the manufacturer	WIKA, Italy	LOVATO Italy
Identification / Type	Wika / Analogue	LOVATO / Analogue
8. Details of Service shut off valve		
Name of the manufacturer	Emer S.r.l	
Identification / Type	Nil / Quarter turn Shut – off valve	

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 as per the lay out plan.

The Kit Manufacture/ Installer must comply with Annexure-II to the TAC No CAJA 0060 dated 08/05/2014 and also invariably encloses certified copy of 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/619/2016/1441-44

Dated: 08 ^{June} ~~May~~, 2016

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department.
2. M/s. Lovato Gas S.p.A. Italy C/o M/s. Officine Lovato Pvt. Ltd., 308, 3rd floor, Town Center 1, M.V. Road, Nr. Mittal Estate, Andheri Kurla Road, Andheri (East), Mumbai-400059.
3. S.A (Computer) for uploading on the website of the department.
4. Guard File.

(MAHARAJ SINGH)
MVI (OPS)