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

No. F.DC/OPS/TPT/220/2014/075292477/ 6641-44  
CIRCULAR

Dated 18.02.2016

The Competent Authority is pleased to grant the approval for endorsement of CNG Kit identification "**Lovatek (AE-15)**" manufactured **M/s Rutu Auto Gas Pvt. Ltd.**, 9, Parvatinagar, B/h, Shyamal Row Houses-3/A, Satellite, Ahmedabad-380 015, India, for retro fitment on MPFI "in-use" gasoline vehicles between stipulated engine cylinder **capacity range (899.25 to 1498.75 cc)** fitted with **OE catalytic converter** as part of CNG Kit, manufactured / registered from **01<sup>st</sup> April 2013 till the validity of BS-IV norms (OBD II)**. 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.	
Make : M/s General Motors India Pvt. Ltd. Model : Chevrolet Beat (M-1) Passenger Car Engine power /capacity: 63.36 kW @6200 rpm /1199 cc Emission Norms : BS-IV GVW : 1340 Kg. Year of Manufacture : June, 2013 Kit manufacturer / supplier : M/s Rutu Autogas Pvt. Ltd. CNG Kit Identification : <b>Lovatek (AE-15)</b>				Certificate No. CAJA 0100 dated 09 <sup>th</sup> September 2014  Case No. 2014-191 (IOC Ref. No. 35353) Emission Test Report No. : CT0PJ 0299 Dt. 26.08.2014 (Everest Kanto Cylinder – General Motors Cat Con – Champion Spark Plug)	
<b>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. CAJA 0100 including following requirements :</b>					
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 amendment	115 B A (II)	
Idling CO & NHMC	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 <b>(OBD II)</b>		115 (14) (G), 115 (a), (b) (i)	
	GSR 443 (E) dt. 21.05.2010	01.04.2010			
	GSR 504 (E) dt. 16.07.2014	01.10.2014			

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Compliance of Mass Emission Standards & Validity (Ref. 115B.A.(ii) Clause (iv), as per GSR 84(E) dt. 09.02.2009 GSR 443(E) dt. 21.05.2010 & GSR 504(E) dt. 16.07.2014

**Validity :-**

1. The CNG converted "in-use" base model "Chevrolet Beat" (June 2013 make) retrofitted with Lovatek (AE-15) 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 (899.25 to 1498.75 cm<sup>3</sup>) manufactured / registered from 01<sup>st</sup> April, 2013 till the validity of Bharat Stage-IV norms 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. CAJA 0100 dated 09<sup>th</sup> September 2014 or until further amendment in CMVR Rules, whichever is earlier.

**3. Details of CNG Cylinders**

CNG Cylinder	Option 1	Option 2	Option 3	Option 4	Option 5
Manufacturer	M/s. Everest Kanto Cylinder Ltd.,	M/s. Rama Cylinders Pvt. Ltd.,	M/s. Lizer Cylinders Ltd.	M/s. JAY FE Cylinders Ltd.	M/s. Sahuwala High Pressure Cylinders(P) Ltd.
Capacity, Ltr.	60 & 65	55,60, 65 & 70	60	60 & 65	60 & 65

**4. Details of Cylinder Valves**

Cylinder Valve	Option
Name of the manufacturer	OMB ITALY
Model Name / Identification	MONOBLOCCO / MANUAL

**5. Details of Refilling Valves**

Refilling Valve	Option
Name of the manufacturer	Akash Engineering
Model Name / I.D/Type	Argo 110R / NZS

**6. Details of Pressure Regulator**

Name of the manufacturer	M/s. Akash Engineering
Model Name / Identification/Type	LOVATEK (Model no.ae-15) TAC No. CDO771 Dt. 10/05/2013 / ID AE-15 & Srno 1045 / SEQUENTIAL

**7. Details of Pressure Indicator**

Name of the manufacturer	WIKA
Identification / Type	WIKA / MECHANICAL DIAL TYPE

**8. Details of Gas Injector**

Name of the manufacturer	RAIL S.p.A
Identification / Type	IG-B-I SR.No.1001

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

Name of the manufacturer	INBUILT IN REFILLING VALVE AERFV-01
Identification / Type	

*[Signature]*  
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Kit Manufacture/Supplier/Distributor is directed to ensure the strict compliance of CMV Rules 1989, as amended from time to time. The retro-fitment 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-II to the TAC No CAJA 0100 dated 09/09/2014 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.

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(MAHARAJ SINGH)  
MVI (OPS)

No. F.DC/OPS/TPT/220/2014/075292477/ 6641-44

Dated Feb., 2015

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department.
2. M/s Ritu Auto Gas Pvt. Ltd., 9, Parvatinagar, B/h, Shyamal Row Houses-3/A, Satellite, Ahmedabad-380 015, India.
3. S.A (Computer) for uploading on the website of the department.
4. Guard File.

(MAHARAJ SINGH)  
MVI (OPS)