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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/641/2016/ 1655-58

Dated: 15, June, 2016

CIRCULAR

The Competent Authority is pleased to grant the approval for endorsement of CNG Kit identification "IMIPL/TW/CNG/BS III-001" manufactured by **M/s. ITUK Manufacturing India Pvt. Ltd.**, No. 1, Ground Floor, Bhagirati Towers, Konkan Express Lane, Karve Road, Kothurd, Pune-411038, Maharashtra, for retro fitment on "in-use" **4 stroke gasoline two wheeler vehicles between stipulated engine cylinder capacity range (81.75 to 136.25 CC)** fitted with OE catalytic converter as part of CNG Kit, manufactured / registered **from 01st April, 2010 upto 31st March, 2017**. The CNG Kit is dully approved by the designated agency i.e ARAI, Pune 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: Honda Scooter & Motorcycle India Ltd. MODEL/Make : HONDA ACTIVA (July, 2010) Type/Seating capacity: Scooter/2 persons Engine Power/Capacity : 5.8 kW@7500 rpm /(109 CC) Emission Norms : BS-III GVW kg. : 261 Make (CNG Kit) : M/s. ITUK Manufacturing India Pvt. Ltd. CNG Kit Identification : IMIPL/TW/CNG/BS III-001 Applicable Engine Range : (81.75 to 136.25 CC)	<u>Certificate No.</u> AALA 0125 F01 dated 06/06/2016 <u>This certificate supersedes</u> AALA 0125 dated 06/04/2016 Emission Test Report No. : TA-2010 (Bharat Stage-III-CNG)/ELTR/2015-16/297 dated 16/02/2016

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. AALA 0125 F01 dated 06/06/2016 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 amendment	115 B A (II)	
Type Approval norms for Petrol Vehicles	Idling CO & NMHC Bharat Stage-III (All over India)	GSR 277(E) dt. 11.04.2014		01.10.2014	115 (2) (i)
		GSR 84 (E) dt. 09.02.2009		01.04.2010	115 (14)(F), (G), 115 B A (II), (iv), b(i)(ii)
		GSR 443(E) dt. 21.05.2010		01.10.2010	
Safety Components	GSR 784(E) dt. 12.11.2008	01.04.2009			Ref. Annexure-1A
Safety Checks for use of CNG Fuels in internal combustion engine vehicles (as per AIS 028) and Indian Gas Cylinder Rules, 2004	GSR 534(E) dt. 24.07.2014	24.07.2015		115B E	
Compliance of Mass Emission Standards & Validity (Ref. 115B.A.(ii), as per GSR 84(E))					

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Validity :-

1. The above CNG converted 4 Stroke, "in-Use" base model " **Honda Activa (109 cc -July, 2010 make)**, with O.E. Catalytic Converter, meets the Bharat Stage – III norms. Same kit can therefore be fitted on the 4 Stroke vehicles with O.E. Catalytic converter, between stipulated Engine cylinder capacity range (**81.75 to 136.25 cm³**) manufactured / registered from **01st April, 2010 upto 31st March, 2017**, subject to specific approval, for layout plan by ARAI, 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. **AALA 0125 F01 dated 06/06/2016** or until further amendment in CMVR Rules, whichever is earlier.

1. Details of CNG Cylinders		
Manufacturer	M/s. Rama Cylinders Pvt. Ltd.	
Identification No./Sl.No.	CM/L-7617682 / ASC 004 & ASC 009 / Cylindrical Type	
Capacity, Ltr.	4.8 L (Two cylinders)	
2. Details of Cylinder Valves		
Name of the manufacturer	M/s. Emer S.p.A	
Model Name / identification	Emer / Burst Disc Assly, & Fusible Plug	
3. Details of Refilling Valves		
Name of the manufacturer	Emer S.p.A. Italy	
Model Name / I.D./Type	DGM 41037 GM / BVG 007/2 NZS Type (Two way Manual Shut off valve)	
4. Details of Pressure Regulator		
Name of the manufacturer	First Stage	Second Stage
Model Name / Identification/ Type	ITUK Manufacturing Co. ITUK /F01 / Plunger Type	ITUK Manufacturing Co. ITUK /F02 / Electronic
5. Details of Pressure Indicator		
Name of the manufacturer	Standard Enterprises	
Identification / Type	14-7500 / Dial Gauge	
6. Details of Service shut off valve		
Name of the manufacturer	It's coupled to filling valve	
Identification / Type		
7. Details of Catalytic convertor		
Name of the manufacturer	Ghoshi India Pvt. Ltd.	
Identification / Type	HM KWP 1D3 / Two way	
8. Details of Gas Air Mixer		
Name of the manufacturer	M/s. Natural Fuel Tech Pvt. Ltd.	
Identification / Type	NFT / AFM-2342 / Venturie	

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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 ARAI.

The Kit Manufacture/ Installer must comply with Annexure-II to the TAC No AALA 0125 F01 dated 06/06/2016 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 ARAI.

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 ARAI) 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/641/2016/ 1655-58

Dated: 15, June, 2016

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department.
2. **M/s. ITUK Manufacturing India Pvt. Ltd.**, No. 1, Ground Floor, Bhagirati Towers, Konkan Express Lane, Karve Road, Kothrud, Pune-411038, Maharashtra.
3. S.A (Computer) for uploading on the website of the department.
4. Guard File.


(MAHARAJ SINGH)
MVI (OPS)