

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

No. F.20(212)/TPT/DC(OPS)/2011/CD No.075345785/ *6655-58* Dated *19-02-2016*

CIRCULAR

The Competent Authority is pleased to grant the approval for endorsement of CNG Kit identification "**Trinity-Stag**" manufactured **M/s Trinity Gas Care Pvt. Ltd.** No. 48/62, Nelson Manickam Road Aminjikarai Chennai – 600029, for retro fitment on MPFI "in-use" gasoline vehicles between stipulated engine cylinder **capacity range (1189.5 to 1982.5 cc)** fitted with **OE catalytic converter** as part of CNG Kit, manufactured / registered from **01<sup>st</sup> February 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:-

<b>PUC-I</b>				
<b>Vehicle Model retrofitted/Month &amp; Year of Manufacture/ Regn.</b>			<b>Approved by the Testing Agency vide Certificate no.</b>	
Vehicle manufacturer : Maruti Udyog Limited "In-use" base Model : Maruti SX4 Engine Capacity : 1586 cm3 Manufacturing year : February 2010 Engine Power : 77kW @ 5600 rpm GVW Kg. : 1510 Kg. Type : Passenger Car Seating Capacity (Incl. Driver) : 05 persons Emission Norms : BS-IV Kit Manufacturer: M/s. Trinity Gas Care Pvt. Ltd. CNG Kit Identification : Trinity - Stag			Certificate No. CAJA 0070 dated 26/06/2014  Case No. : 2014-051 (IOCS Ref. : 34608)  Emission Test Report No.: CT0PJ0201  dt. 16.06.2014 (Everest Kanto Cylinder – SUZUKI Cat Con – MICO Spark Plug)	
<b>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 :</b>				
<b>Mass Emission Standards</b>	<b>Notification No. &amp; Date</b>	<b>Effective From</b>	<b>To</b>	<b>CMV Rule</b>
CNG for In-use Gasoline vehicles	GSR 853 (E) dt.19.11.2001	19.05.2002	Till further amended	115B A. (ii)
Idling CO & NMHC	GSR 111(E) dt. 10.02.2004	01.10.2004		115 (2)(i)
BS-IV (For notified areas)	GSR 84 (E) dt. 09.02.2009	01.04.2010		115 (14)(G), 115(a), (b)(i)
	GSR 443 (E) dt.21.05.2010	01.06.2010		

*[Handwritten Signature]*  
*16/02/2016*

*2117/cb/tpf*  
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**Validity:-**

1. The CNG Converted, "In-use" base model "Maruti SX4 (Feb 2010 make)" fitted with O.E. Catalytic Converter, meets the Bharat Stage -IV norms. Same kit can therefore, fitted on the MPFI vehicles fitted with O.E. Catalytic converter, between stipulated Engine cylinder capacity range **(1189.5 to 1982.5 cm<sup>3</sup>) manufactured/ registered from 01<sup>st</sup> Feb, 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. The Certificate is **valid for 3 years** from the date of its issue or until further amendment in CMVR Rules, whichever is earlier.

**3. Details of CNG Cylinders**

CNG Cylinder Manufacturer	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
	M/s. Everest Kanto Cylinder Ltd.,	M/s. Rama Cylinders Pvt. Ltd.,	M/s. Nitin Cylinders Ltd.,	M/s. Confidence Petroleum India Ltd.	M/s. Sahuwala High Pressure Cylinders(P) Ltd.	M/s. Lizer Cylinders Ltd.
Capacity, Ltr.	50,60, 65,70 Ltr.					

**4. Details of Cylinder Valves**

Cylinder Valve	Option 1	Option 2	Option 3
Name of the manufacturer	M/s. OMB Saleri S.p.A.	M/s. Batra Valves,	M/s. Emar S.r.l, Italy
Model Name / Identification/ Type	Alfa /ECE-R-110 OMB Cylinder valve	BV/CNG-1/000 CNG Gas Cylinder valve	Vale-119 EMER Cylinder valve

**5. Details of Refilling Valves**

Refilling Valve	Option 1	Option 2	Option 3
Name of the manufacturer	EMER	M/s. B&H s.r.rl Argentina	M/s. OMB Saleri SPA
Model Name / I.D/Type	41037 DGM CNG Filling valve	BVG 204/2 CNG Filling valve	Alfa / ECE-R-110 CNG Filling valve

**6. Details of Pressure Regulator**

Name of the manufacturer	M/s. Tomasetto Achille S.P.A
Model Name / Identification/Type	AT-12(TAC-CA0918, Dt-26-05-2010)(COP.CC0CI 1062, Dt.25/06/2013) / 2 Stage Electronic

**7. Details of Pressure Indicator**

Name of the manufacturer	Wika / CNG Gauge
Identification / Type	---

**8. Details of Gas Injector**

Name of the manufacturer	Matrix
Identification / Type	MJ-XJM / Injector

*[Handwritten signature]*  
16/07/2016

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 0070 dated 26/06/2014 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.20(212)/TPT/DC(OPS)/2011/CD No.075345785/ 6655-58 Dated 19-02-2016

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department.
2. M/s Trinity Gas Care Pvt. Ltd. No. 48/62, Nelson Manickam Road Aminjikarai Chennai - 600029.
3. S.A (Computer) for uploading on the website of the department.
4. Guard File.

(MAHARAJ SINGH)  
MVI (OPS)