

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

No. F.DC/OPS/143/2013 1905-08

Dated 04/9/15

**CIRCULAR**

The Competent Authority is pleased to grant the approval of CNG Kit identification "GRECO OBD II" manufactured by M/s Greenglobe Fuel Solutions, 19, Anupam Industrial Estate No.2, Opp. Ralli Wolf, LBS Marg, Mulund West Mumbai-400080 for retro fitment on "in-use" gasoline vehicles manufactured/registered from 01-04-2013 till the validity of Bharat Stage – IV norms falling within the stipulated engine capacity 1122 to 1870 cm3. The CNG Kit is dully approved by the designated agencies i.e ICAT, Maneshar 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.			
Make : M/s Toyota Model : Toyota Etios Engine : 1496 cm3 Emission Norms : BS-IV Manufactured in : April 2013 Retrofitted by : M/s Green Globe Fuel Solutions CNG Kit Identification : GRECO OBD II		Certificate No. CAJA 0208 dated 31 <sup>ST</sup> Dec, 2014 Case No. : 2014-470 (IOCS Ref. : 36820) Emission Test Report No.: CTOPJ0473 dt. 26.12.2014 (Rama Cylinder –Toyota Cat Con –NGK R 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 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 amended	115B A. (ii)	
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 (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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**Validity:-**

1. The CNG Converted, "In-use" base model "Toyota Etios (April 2013 make)" 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 **(1122 to 1870 cm3) 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. 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 Option	1	2	3	4
Manufacturer	M/s. Everest Kanto Cylinder Ltd.	M/s. Rama Cylinders Pvt. Ltd.	M/s. Nitin Cylinder Ltd.	M/s. Sahuwala High Pressure Cylinder (P) Ltd.
Capacity, Ltr.	45,50,60,65,70 & 90	60,65,70 & 90	50,60,65,70 & 75	60,65,70,75 & 90

**4. Details of Cylinder Valves**

Cylinder Valve Option	1	2	3
Name of the manufacturer	M/s Emer Spa, Italy	M/s. Batra Valves, Delhi	M/s. OMB Saleri Spa
Model Name / Identification	DT-E VALE 418	BV/CNG-I/000	ALFA

**5. Details of Refilling Valves**

Refilling Valve Option	1	2
Name of the manufacturer	Emer Spa, Italy	OMB Italy
Model Name / I.D/Type	DGM41037GM NZZ Type	Agro NZS

**6. Details of Pressure Regulator**

Name of the manufacturer	GREENGLOBE FUEL SOLUTIONS
Model Name / Identification	AGR-201

Kit Manufacture/Supplier/Distributor is directed to ensure the strict compliance of CMV 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.

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**The Kit Manufacture/ Installer must comply with Annexure-II to the TAC No CAJA 0208 dated 31<sup>st</sup> December, 2014, 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) 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.

(MAHARAJ SINGH)  
MVI (OPS)

No. F.DC/OPS/143/2013 1905-08

Date 04/9/15

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari )/Programmer, Transport Department.
- 2 M/s Greenglobe Fuel Solutions, 19 Anupam Industrial Estate No.2 Opp. Ralli Wolf, LBS Marg, Mulund west Mumbai-400080
- ✓ 3. S.A (Computer) for uploading on the website
4. Guard File.

(MAHARAJ SINGH)  
MVI (OPS)