

GOVERNMENT OF TAMIL NADU TRANSPORT DEPARTMENT
O/o The Transport Commissioner,
Chepauk, Chennai -5

R.NO. 41145/C2/2018
CIRCULAR NO: 42 /2018

Dated: .12.2018

Sub : Motor Vehicles – Use of LPG as fuel in Motor Vehicles – Alternate use of LPG as fuel in Motor Vehicles – alteration to Retrofitment **RAYON brand LPG Kits in Four wheelers-** Approval – Regarding.

Ref: Letter received from Mangalam Gas Car, No.84,Eden Garden street, Jamalia, Chennai-12 dt:08.10.2018

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Consequent to the Amendment of Sec: 52 of the Motor Vehicles Act, 1988, the Government of India have amended the Rule 115 and 116 of the Central motor vehicles Rules 1989 prescribing to the emission norms and safety checks for the use of LPG as fuel in motor vehicles.

To make necessary endorsements in Certificate of Registration of Vehicles duly permitting LPG as auto fuel, it should be ensured that the Retro-Fitments Kits are from the authorized manufacturers having the requisite type approval certificate from one of the testing agencies appointed by the Government of India under Rule 126 of the central motor Vehicles Rules 1989. For this purpose, the vehicle should be fitted with Auto LPG Cylinder permanently in the vehicle as approved by the Chief Controller of Explosives (CCOE) under the gas Cylinder Rules, 1981.

The International centre for Automotive Technology Gurgaon, Haryana has approved LPG Kits by M/s. INNOVATIVE ENGINEERS ,B-102,Phase I , Mayapuri Industial Area, New Delhi 110 064

Subject to certain conditions,

1) The Extension validity of Certificate ICAT/CMVR/163B-915(R1)L-1037 issued by the International Centre for automotive technology, Gurgaon-122050 dt.16.08.2016 is revalidated to the following.

Extension of Validity

S. No.	Reference of type approval & Revalidation certificate	Validity of Certificate				
		Earlier		Revalidated		
		From	To	From	To	
1	CAIL 0006 dt 24.01.2013 (Base Certificate) issued for LPG In use base model "Hyundai i10 Sportz 1.2" 1200 cc- May 2010 make Bharat stage-IV	ICAT	24.01.2013	23.01.2016	24.01.2016	23.01.2019
Reference of layout/Extension Certificate		TA Reference		ICAT Revalidated		
1	CAIL 0006 L01	ICAT	09.01.2014	23.01.2016	24.01.2016	23.01.2019

The reference type approval certificate earlier issued in CAIL 0006 dt 24.01.2013 (Base Certificate) issued for LPG in use base model "Hyundai i10 Sportz 1.2" 1200 cc- May 2010 Bharat Stage IV norms. This certificate is earlier revalidated from 24.01.2013 to 23.01.2016 and then revalidated from 24.01.2016 to 23.01.2019 by the certificate No. ICAT/CMVR/163B-915(R1)L-1037 dt 16.08.2016

(i) The reference of layout certificate/extension certificate earlier issued in C A I L 0006 L01, Dt.09.01.2014 in respect of vehicle such as MARUTI- ALTO 998 cc, MARUTI-ZEN ESTILO 998cc , MARUTI-WAGON R 998 cc , MARUTI- A STAR 998cc,Maruti Stingray 998cc, MARUTI EECO Cargo 1196cc, MARUTI -EECO (5 Seater) 1196cc , MARUTI EECO (7 Seater) 1196cc , MARUTI -RITZ 1197 cc , MARUTI- SWIFT 1197 cc , MARUTI -SWIFT DZIRE 1197cc ,Maruti Ertiga 1373cc, VOLKSWAGEN POLO 1198cc , TATA-INDICA XETA 1193cc , TATA-INDIGO eCS 1193cc , TATA-INDIGO Manaza 1368 cc , TATA-INDICA VISTA 1368 cc, Tata Indigo 1396cc, Fiat Grande Punto 1368cc, Fiat Linea 1368cc, Toyota Etios 1496cc, Chevrolet Spark 995cc, Chevrolet Aveo UVA 1150cc, Chevrolet Aveo 1399cc, Chevrolet Beat 1199cc,Nissan Micra 1198cc, Hyundai i10 Era 1086cc, Hyundai Santro 1086cc, Hyundai i20 1197cc, Hyundai i10 1197cc, Hyundai Grand i10 1197cc, Hyundai Verna 1396cc, Hyundai Accent 1495cc, Mahindra Logan 1390cc, Honda Brio 1198cc, Honda city1497cc, Ford Eco Sport 1.5 1499cc meets Bharat Stage IV norms. This certificate is revalidated from 24.01.2016 to 23.01.2019 by the ICAT certificate No. ICAT/CMVR/163B-915(R1)L-1037 dt 16.08.2016.

4) All the Registering Authorities in the State are hereby informed to ensure that, The following conditions are fulfilled before permitting any alteration in Registration.

- i) The Registering Authorities shall at the time of registration, verify approval Of the chief of Explosives (CCOE), for the Auto LPG Tank and Multifunction. Value in respect of the following I each individual case.
- ii) Specify make and identification as referred in Annexure- III of the Certificate
- iii) Documental reference for quantity /Serial No cleared by the Chief Controller Of Explosives (CCOE), time to time, in respect of Auto LPG Tank.
- iv) Regarding multifunction value, the Chief Controller of Explosives (CCOE) Approval to be specifically verified before installation/registration by Regional transport officer
- v) All the components of the LPG Kit shall be as per the technical specification annexure -I of International Centre for Automotive Technology certificate. The LPG air mixer Is of the type & design.
- vi) Any change in the kit specifications or layout as approved under this Certification shall be informed to from International Centre for Automotive Technology, Gurgaon, Haryana for approval with or without re-test.
- vii) For in-use retro-fitment, the responsibility of fitness and proper Functioning of the LPG system on the vehicle including endorsement as operation on LPG by the concerned Registering Authorities. Under this certificate lies M/s. INNOVATIVE ENGINEERS ,B-102,Phase I , Mayapuri Industrial Area, New Delhi 110 064 as per Annexure -V of AIS 025 D1. They will also be required to instruct the customers about their responsibilities as mentioned in para 15 of Annexure-V of AIS 025 and also about rechecking of the Auto LPG Cylinder, as prescribed by the Chief Controller of Explosives (CCOE) Nagpur.

5) Workshops authorized by M/s. INNOVATIVE ENGINEERS ,B-102,Phase I ,Mayapuri Industrial Area, New Delhi 110 064 shall Fulfil the

requirements and the responsibilities in regard to fitment of LPG kits as per guidelines given under criteria to authorize the kit installer in-V AIS 025

6) It is the duty of kit installer to ensure at the time of installation of the Kit that each Auto LPG Cylinder" supplied by them to customer, is the one for which valid clearance of the chief Controller of Explosives (CCOE) is available.

7) Auto LPG cylinder and cylinder valve approved by the Chief Controller of Explosives (CCOE), Nagpur Shall have following Requirements regarding mounting conditions of Auto LPG Cylinder

a. Auto LPG Tank shall be permanently attached to the vehicle and shall have fittings as per IS:14899(as amended from time to time)

b. Auto LPG Tank shall correctly oriented mounting as per manufactures Specifications viz. the longitudinal axis of the Auto LPG Tank is perpendicular to the vehicle longitudinal axis. The axis of the multi function valve mounted on the empty tank when viewed from the side makes an angle of multiple degree with the horizontal plane and the Level indicator arrow is positioned to zero, to ensure that a tank is not Filled beyond 80% of its water capacity.

8) The Auto LPG containers for Auto LPG when permanently fitted to the vehicle subject to following conditions:

a) The containers are fitted with multi function valve assemble approved by chief controller of Explosives.

b) The containers are subject to periodic examination/testing once in a period of 5 years as provided under Gas cylinders Rules 2004

c) The containers are subject to hydrostatic test at a pressure of 30 bars as required under rule 35 of the gas cylinders Rules 2004.

d) The containers shall be condemned after the expiry of the service life of 15 years of the containers, as provided under Rule 36 of gas cylinders Rules, 2004

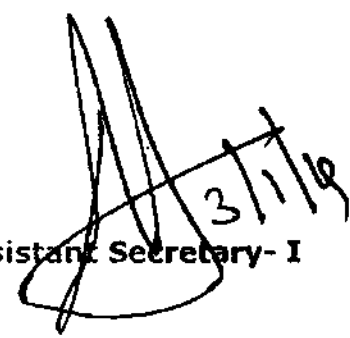
e) Relevant provisions of gas cylinders rules, 2004 SMPU (U) Rules 1981 and central motor vehicle (3rd Amendment) Rules 2001 and (5th amendment) Rules, 2002 are strictly complied with.

Sd/- Pon. Senthilnathan
Joint Transport Commissioner
(Road safety)

To

1. All the Deputy Transport Commissioner/joint transport Commissioner, Coimbatore, Madurai, Chennai, (North) & (south) with a request to communicate this to the respective RTOs/MVIs and sent acknowledgement to this office.
2. M/s. INNOVATIVE ENGINEERS ,B-102,Phase I , Mayapuri Industrial Area, New Delhi 110 064
3. M/s Mangalam Gas car ,No. 84, Eden Garden Street,Jamalia, Chennai-12.

//By order//


Assistant Secretary- I

3/1/19

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