

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

R.NO. 41144/C2/2018
CIRCULAR NO: 41 /2018

Dated: 19.12.2018

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

Ref: Letter No.RBRC/Mktg/244/2018/01 received from Rohan BRC,291-304,Panchratna Industrial Estate,Beside IOC Petrol Pump, Sarkhej-Bavla Road, ChandodarTaluka, Sanand Dist, Ahmedabad-382213 dt:04.09.2018

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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 Rohan BRC LPG Kits by Rohan BRC,291-304,Panchratna Industrial Estate,Beside IOC Petrol Pump, Sarkhej-Bavla Road, ChandodarTaluka, Sanand Dist, Ahmedabad-382213

Subject to certain conditions,

1) **The Extension validity of Certificate ICAT/CMVR/2349B-766(R2)/L-1579 issued by the International Centre for automotive technology,**

Gurgaon-122050 dt.28.12.2016 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	From	To	
1	ICAT/CMVR/2349B-504(R1)/I-0910 dt 10.12.2013 (Revalidation certificate) ARAI/CMVR LPG(In-use) / 2349B(E4-589)2010-202 Dt 15.12.2010 (Base Certificate) issued for LPG In use base model "Chevrolet spark" 995cc April 2010 make Bharat stage- IV	ICAT	15.12.2010	14.12.2013	15.12.2013	14.12.2016	15.12.2016	14.12.2019
Reference of layout/Extension Certificate		Referenc		From	To			
1	ICAT/CMVR- LPG(Layout-01) /382/F-0713	ICAT	27.12.2010	14.12.2013	15.12.2013	14.12.2016	15.12.2016	14.12.2019
2	ICAT/CMVR- LPG(Layout-02) /370/G-0585		19.10.2011					
3	ICAT/CMVR/2349B-171(E1)/G-397		18.07.2011					

The reference type approval certificate earlier issued in ARAI/CMVR LPG(In-use) / 2349B(E4-589)2010-202 DL 15.12.2010(Base Certificate) issued for LPG in use base model "Chevrolet spark "995cc April 2010 make- Bharat Stage IV norms. This certificate is earlier revalidated from 15.12.2010 to 14.12.2013 and then revalidated from 15.12.2013 to 14.12.2016 and then revalidated from 15.12.2016 to 14.12.2019 by the certificate No. ICAT/CMVR/2349B-504(R1)/I-0910 dt 10.12.2013 and the Certificate ICAT/CMVR/2349B-766(R2)/L-1579 dt.28.12.2016

(i) The reference of layout certificate/extension certificate earlier issued in ICAT/CMVR- LPG(Layout-01) /382/F-0713, Dt.27.12.2010 in respect of vehicle such as CHEVROLET BEAT 1199cc, CHEVROLET -UVA 1.2 L 1150cc,FIAT GRAND PUNTO 1172cc, FORD FIGO 1196cc, HONDA -JAZZ 1198cc, HYUNDAI i10 1.1L 1086 cc, HYUNDAI i10 1.2 L1197cc, HYUNDAI i20 1197 cc, HYUNDAI SANTRO XING 1086cc , MARUTI- ALTO STD 796 cc, MARUTI ALTO K10 998cc , MARUTI-A STAR 998cc, MARUTI OMNI(8 Seater) 796 cc, MARUTI OMNI (5 Seater) 796cc , MARUTI-ZEN ESTILO 998cc , MARUTI-WAGON R 998 cc , MARUTI -RITZ 1197

cc , MARUTI- SWIFT 1197 cc , MARUTI -SWIFT DZIRE 1197cc , MARUTI -EECO (5 Seater) 1196cc , MARUTI EECO (7 Seater) 1196cc , TATA-INDICA XETA 1193cc , TATA-INDICA VISTA 1172cc , TATA-INDIGO eCS 1193cc , VOLKSWAGEN POLO 1198cc , NISSAN MICRA 1198cc meets Bharat Stage IV norms. This certificate is revalidated from 15.12.2016 to 14.12.2019 by the ICAT certificate No. ICAT/CMVR/2349B-766(R2)L-1579 dt.28.12.2016.

(ii) The reference of layout certificate/extension certificate earlier issued in ICAT/CMVR- LPG(Layout-02) /370/G-0585, Dt.19.10.2011 in respect of vehicle such as FIAT-GRANDE PUNTO 1172cc, HONDA -BRIO 1198cc, HYUNDAI - EON 814cc meets Bharat Stage IV norms. This certificate is revalidated from 15.12.2016 to 14.12.2019 by the ICAT certificate No. No. ICAT/CMVR/2349B-766(R2)L-1579 dt.28.12.2016.

2) The Extension validity of Certificate CAKL 0039 F 01 issued by the International Centre for automotive technology, Gurgaon-122050 dt.18.04.2018 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	CAKL 0039 dt 24.03.2015(Base certificate) issued for LPG In-use base model "Maruti Wagon R VXI" 998 cc April 2013 make Bharat stage -IV	24.03.2015	23.03.2018	24.03.2018	23.03.2021
	Reference of layout/Extension Certificate	From	To	From	To
1	C A K L 0039 L01	10.08.2015	23.03.2018	24.03.2018	23.03.2021

The reference type approval certificate earlier issued CAKL 0039 dt 24.03.2015(Base certificate) issued for LPG In-use base model "Maruti Wagon R VXI" 998 cc April 2013 make Bharat stage -IV norms. This certificate is earlier revalidated from 24.03.2015 to 23.03.2018 and then revalidated from 24.03.2018 to 23.03.2021 by the certificate No. CAKL 0039 F 01 dt 18.04.2018

(i) The reference of layout certificate/extension certificate earlier issued in C A K L 0039 L01, Dt.10.08.2015 in respect of vehicle such as HONDA -BRIO 1198, RENAULT PULSE 1198CC, TOTOTA ETIOS LIVA 1197CC, CHEVROLET BEAT 1199CC , CHEVROLET SAIL 1199CC, CHEVROLET SAIL UVA 1199CC, CHEVROLET SPARK 995CC ,DATSUN GO 1198CC , DATSUN GO PLUS 1198CC, FIAT GRAND PUNTO 1172CC ,FIAT PALIO STILE 1242CC ,FIAT PUNTO1172CC, , FIAT PUNTO EVO 1172CC ,FORD ECOSPORT 999CC , FORD FIGO 1196CC, HONDA AMAZE 1198CC , HYUNDAI EON 814CC ,HYUNDAI EON KAPPA MAGNA 998CC ,HYUNDAI GRAND i10 1197CC , HYUNDAI i10 1.11086CC , HYUNDAI i20 ACTIVE 1197CC , HYUNDAI i20 ELITE 1197CC, HYUNDAI i20 MAGNA 1197CC , HYUNDAI SANTRO XING1086CC , HYUNDAI XCENT 1197CC ,MARUTI ALTO 800 796CC , MARUTI ALTO K10 998CC , MARUTI ASTAR 998CC , MARUTI CELERIO 998CC , MARUTI EECO (5 SEATER) 1196CC , MARUTI EECO (7 SEATER) 1196CC ,MARUTI EECO CARGO 1196CC , MARUTI OMNI (5 SEATER)796CC , MARUTI OMNI (8 SEATER) 796CC , MARUTI OMNI CARGO 796CC , MARUTI RITZ 1197CC , MARUTI SWIFT 1197CC , MARUTI SWIFT DZIRE 1197CC , MARUTI WAGON R STINGARY998CC , NISSAN MICRA1198CC , NISSAN MICRA ACTIVE 1198CC , SKODA FABIA 1198CC ,SKODA RAPID 1.2 1198CC , TATA BOLT 1193CC , TATA INDICA VISTA 1172CC , TATA INDICA XETA 1193CC ,TATA INDIGO Ecs 1193cc , TATA ZEST 1193cc ,TOYOTA ETIOS CROSS 1197cc ,VOLKSWAGEN POLO GT 1.2TSI 1197cc , VOLKSWAGEN POLO 1198cc , VOLKSWAGEN VENTO 1197cc meets Bharat Stage IV norms. This certificate is revalidated from 24.03.2018 to 23.03.2021 by the ICAT certificate No. CAKL 0039 F 01 dated. 18.04.2018.

3) The Extension validity of Certificate ICAT/CMVR/171B-527(R2)/L-1352 issued by the International Centre for automotive technology, Gurgaon-122050 dt. 09.11.2016 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	From	To	
1	ICAT/CMVR/171B-475(R1)/I-0819 dt 22.10.2013 (Revalidation certificate) ARAI/CMVR LPG(In-use) / 171B(E4-589)2010-161 dt 13.09.2010 (Base Certificate) issued for LPG In use base model "Maruti SX4" 1586 cc October 2009 make Bharat stage-IV	ICAT	13.09.2010	12.09.2013	13.09.2013	12.09.2016	13.09.2016	12.09.2019
Reference of layout/Extension Certificate		Reference			From	To		
1	ARAI/CMVR-LPG (Layout -1) /171B-775/2010-171	ICAT	07.10.2010	12.09.2013	13.09.2013	12.09.2016	13.09.2016	12.09.2019
2	ICAT/CMVR-LPG(Layout 01) /363/G-0592		19.10.2011					
3	ICAT/CMVR-LPG(Layout 02) /220/H-498		28.08.2012					

The reference type approval certificate earlier issued in ICAT/CMVR/171B-475(R1)/I-0819 dt 22.10.2013 (Revalidation certificate) ARAI/CMVR LPG(In-use) / 171B(E4-589)2010-161 dt 13.09.2010 (Base Certificate) issued for LPG In use base model "Maruti SX4" 1586 cc October 2009 make Bharat stage- IV norms. This certificate is earlier revalidated from 13.09.2010 to 12.09.2013 and then revalidated from 13.09.2013 to 12.09.2016 and then revalidated from 13.09.2016 to 12.09.2019 by the certificate No. ICAT/CMVR/171B-475(R1)/I-0819 dt 22.10.2013 and the Certificate ICAT/CMVR/171B-527(R2)/L-1352 dt.09.11.2016

(i) The reference of layout certificate/extension certificate earlier issued in ARAI/CMVR-LPG (Layout -1) /171B-775/2010-171, Dt.07.10.2010 in respect of vehicle such as CHEVROLET OPTRA 1598 cc, CHEVROLET AVEO 1399cc, CHEVROLET AVEO 1598cc, CHEVROLET BEAT 1199cc,FIAT PALIO STILE 1242cc , FIAT PALIO STILE 1596cc ,FIAT PUNTO1368cc,FIAT LINEA 1368cc ,FORD FIESTA 1398cc ,FORD FIESTA 1596 cc,FORD FIGO1196 cc, FORD IKON 1297cc ,FORD IKON 1597cc ,HONDA CITY 1497 cc , HONDA

JAZZ 1198 cc , HYUNDAI GETZ 1341 cc ,HYUNDAI I10 1197cc ,HYUNDAI i20 1396 cc ,HYUNDAI i20 1197cc ,HYUNDAI VERNA1599cc ,HYUNDAI ACCENT 1495cc ,MAHINDRA RENAULT LOGAN 1390 cc ,MAHINDRA RENAULT LOGAN 1598cc ,MARUTI EECO 5 SEATER 1196cc , MARUTI EECO 7SEATER 1196cc ,VOLKSWAGEN JETTA 1595cc ,VOLKSWAGEN POLO 1198 cc meets Bharat Stage IV norms. This certificate is revalidated from 13.09.2016 to 12.09.2019 by the ICAT certificate No. ICAT/CMVR/171B-527(R2)/L-1352 dt.09.11.2016

(ii) The reference of layout certificate/extension certificate earlier issued in ICAT/CMVR-LPG(Layout 01) /363/G-0592, Dt.19.10.2011 in respect of vehicle such as HYUNDAI -VERNA (FLUIDIC)1396cc, HYUNDAI -VERNA (FLUIDIC)1591cc,MAHNDRA- VERITO 1390cc,TOYOTO- ETIOS 1496cc ,TOYOTO-ETIOS LIVA 1197 cc,VOLKSWAGEN -VENTO 1598cc , HONDA-BRIO 1198cc ,NISSAN-SUNNY 1498cc ,meets Bharat Stage IV norms. This certificate is revalidated from 13.09.2016 to 12.09.2019 by the ICAT certificate No. ICAT/CMVR/171B-527(R2)/L-1352 dt.09.11.2016.

(iii) The reference of layout certificate/extension certificate earlier issued in ICAT/CMVR-LPG(Layout 02) /220/H-0498, Dt.28.08.2012 in respect of vehicle such as MARUTI-ERTIGA 1373 cc,RENAULT-PULSE 1198cc ,SKODA RAPID 1598cc ,meets Bharat Stage IV norms. This certificate is revalidated from 13.09.2016 to 12.09.2019 by the ICAT certificate No. ICAT/CMVR/171B-527(R2)/L-1352 dt.09.11.2016

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 -1 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, Gurgram, 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 Rohan BRC LPG Kits by Rohan BRC,291-304,Panchratna Industrial Estate,Beside IOC Petrol Pump, Sarkhej-Bavla Road, ChandodarTaluka, Sanand Dist, Ahmedabad-382213 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 D1 and also about rechecking of the Auto LPG Cylinder, as prescribed by the Chief Controller of Explosives (CCOE) Nagpur.
- 5) Workshops authorized by Rohan BRC LPG Kits by Rohan BRC Gas Equipment Pvt LTd,291-304,Panchratna Industrial Estate,Beside IOC Petrol Pump, Sarkhej-Bavla Road, ChandodarTaluka, Sanand Dist, Ahmedabad-382213 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 value 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 indictor 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 value 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. Rohan BRC, 291-304, Panchratna Industrial Estate, Beside IOC Petrol Pump, Sarkhej-Bavla Road, Chandodar Taluka, Sanand Dist, Ahmedabad-382213.
3. M/s M.G Auto Gas ,New No 100, Old No 27 Krishnadass Main Road, Mangalapuram, Chennai-12.

//By order//

Assistant Secretary-I

31/1/19

31/1/19

