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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/2015/644-47

Dated 01/04/2016

CIRCULAR

The Competent Authority is pleased to grant the approval for endorsement of CNG Kit identification "JAGI-TA" manufactured by M/s. JIOLAT AUTO GAS INDUSTRIES CYLINDER TESTING HOUSE, 2094/G-5, Gali No. 17, Prem Nagar, Delhi-110008, for retro fitment on "in-use" diesel driven vehicles ALPSV 4/85 fitted with H series (5760 cc) engine and catalytic converter as part of CNG Kit manufactured from 01st January 2005 till the validity of BS-III norms. 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.

Vehicle manufacturer / Model retrofitted/ Month & Year of Manufacture/ Regn.	Approved by the Testing Agency vide Certificate no.													
Vehicle manufacturer: M/s. Ashok Layland Ltd. BASE MODEL retrofitted with CNG Kit: ALPSV 4/85 Type : M3 (Bus)/ HMV Seating Capacity (Incl. Driver) : 54 Persons Engine Model : H series Engine Cylinder capacity : 5760 cc Engine Power : 71.5 kW @ 2400 rpm Emission Norms : BS-III Manufactured in : May, 2005 GVW : 15,660 Kg. CNG Kit manufacturer : M/s. Jiolat Auto Gas Industries Cylinder Testing House CNG Kit Identification : JAGI-TA	Certificate No. CAKA 0142 dated 09th October 2015 Case No. 2015-264 (IOCS No. 39713) Emission Test Report No. : CT0EK 0253 Dt. 26.08.2015 (Spark Plug-BOSCH (FR6DC4), Catcon- JIOLAT AUTO GAS INDUSTRIES													
The testing agency has certified that the above CNG converted "in-use" Diesel vehicle model complies with the relevant provisions of CMVR, 1989 as detailed in ANNEXURE-I to TAC No. CAKA 0142 including following requirements :														
<table border="1"> <thead> <tr> <th>Mass Emission Standards</th> <th>Notification No. & Date</th> <th>Effective from</th> <th>CMV Rule</th> </tr> </thead> <tbody> <tr> <td>Prevalent Type Approval norms - For conversion by modification of engine of In-use Diesel Vehicle</td> <td rowspan="2">GSR 686 (E) dt. 20.10.2004</td> <td rowspan="2">01.04.2005</td> <td rowspan="2">115 B B.(II) & 115 (14)(D)</td> </tr> <tr> <td>Bharat Stage-III</td> </tr> <tr> <td>Idling CO & NHMC</td> <td>GSR 111 (E) dt. 10.02.2004</td> <td>01.10.2004</td> <td>115 (2) (i)</td> </tr> </tbody> </table>	Mass Emission Standards	Notification No. & Date	Effective from	CMV Rule	Prevalent Type Approval norms - For conversion by modification of engine of In-use Diesel Vehicle	GSR 686 (E) dt. 20.10.2004	01.04.2005	115 B B.(II) & 115 (14)(D)	Bharat Stage-III	Idling CO & NHMC	GSR 111 (E) dt. 10.02.2004	01.10.2004	115 (2) (i)	
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Compliance of Mass Emission Standards & Validity (Ref. 115B.B.(ii) Clause (c), as per GSR 589(E) and Note 7 amended by GSR 589(E)														

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This certificate is Valid for :-

1. CNG converted "In-Use" diesel vehicle "ALPSV 4/85 (May 2005 make), fitted with H series engine, when fitted Catalytic Converter as a part of CNG Kit, meets the Bharat Stage - III norms, manufactured from 01st January, 2005 till validity of Bharat Stage-III norms.
2. This Certificate is valid for 3 years from the date of issue of base certificate No. **CAKA 0142 dated 09th October 2015** or until further amendment in CMVR Rules, whichever is earlier.

1. Details of CNG Cylinders			
CNG Cylinder	Option 1	Option 2	Option 3
Manufacturer	M/s. Rama Cylinders Ltd., Mumbai	M/s. Everest Kanto Cylinder Ltd., Mumbai	M/s. Jay Fe Cylinders Ltd.
Capacity, Ltr.	80 (dia-267 mm)		
2. Details of Cylinder Valves			
Cylinder Valve	Option 1	Option 2	Option 3
Name of the manufacturer	M/s. Batra Valves, Faridabad	M/s. Tekno Valves, Kolkata	M/s. Vanaz Engrs Ltd.
Model Name / Identification	BV/07-00	TV/DR-1096/03	V-0157 b
3. Details of Refilling Valves			
Refilling Valve	Option 1	Option 2	Option 3
Name of the manufacturer	Jiolat Auto Gas Ind.	OPW	Jiolat Auto Gas Ind.
Model Name / I.D./Type	J.A.G.I /001 NZS Type	CL-5078 NZS	J.A.G.I. NGV
4. Details of Pressure Regulator			
Name of the manufacturer	T.A. Gas Technology S.A.		
Model Name / Identification	TA98 140HP, Argentina make TAC : A94577		
5. Details of Gas -Air mixer			
Name of the manufacturer	Jiolat Auto Gas Industries		
Model Name / Identification/ Type	MIX 220001 / Diffuser		
6. Details of Catalytic converter			
Name of the manufacturer	Jiolat Auto Gas Industries		
Model Name / Identification	Three Way / CC990001		
7. Details of Pressure Indicator			
Name of the manufacturer	WIKA, India		
Identification / Type	Wika / Analog pressure indicator		
8. Details of Service shut off valve			
Name of the manufacturer	Jiolat Auto Gas Industries		
Identification / Type	JAGI / In built refilling valve Manually operated (togal type)		
9. Details of Battery cut off switch			
Name of the manufacturer	Jiolat Auto Gas Industries		
Identification / Type	J.A.G.I. / Cutout / on-off type		

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Kit Manufacture/Supplier/Distributor is directed to ensure the strict compliance of CMV Rules 1989. 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 CAKA 0142 dated 9th October, 2015 and also invariably enclose certified copy of CNG specifications along with CNG installation certificate (Annexure VI) and checklist (Annexure-VII) of AIS: 024 and specific layout plan of model approved by ICAT.

MLO (HQ)/VIU, Burari 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)

Dated 01/04/2016

No. F.DC/OPS/TPT/2015/644-47

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department.
2. M/s. JIOLAT AUTO GAS INDUSTRIES CYLINDER TESTING HOUSE, 2094/G-5, Gali No. 17, Prem Nagar, Delhi-110008.
3. S.A (Computer) for uploading on the website of the department.
4. Guard File.

(MAHARAJ SINGH)
MVI (OPS)

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