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G 0401

Date :	24th	May	2021
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Cert	Table 7, 11 20	Dwg	Total (Pgs)
7	7	4	18

CERTIFICATE

FOR

COMPLIANCE TO THE CENTRAL MOTOR VEHICLES RULES

1. In order to establish compliance to the provisions of CMVR, 1989, applicable as on date, documental verification / necessary testing was carried out, on the following base model & it's variant(s), submitted by the vehicle manufacturer referred below:

Documental Reference	Vehicle Manufacturer			
Current Certificate	Maruti Suzuki India Ltd., 1, Nelson Mandela Road, Vasant Kunj, New Delhi-110070 Plant : 1. Gurgaon / 2. Manesar			
Bi Fuel Engine	Power	Capacity (cm ³)	Engine Manufacturer	
Model/Type	CNG: 42.7 kW @ 5300 rpm Petrol : 49 kW @ 5500 rpm		Maruti Suzuki	
K10C / Positive Ignition, MPFI, NA	998			
Base Model		Type & Category	Seating Capacity	GVW (kg)
MARUTI CELERIO VXi CNG 1L 5MT		Rigid (Passenger Car) & M1	5 (Incl Driver)	1320
Variant(s)	NA			
1a.	Technical specifications of the base model submitted by vehicle manufacturer .			
Brief technical specifications enclosed :-		Detail specifications separately issued to Vehicle Manufacturer		
Table 7	MSIL/Celerio-K10C-CNG/T7/0221/00 dt. 01.02.2021	Table 2	MSIL/Celerio-K10C-CNG/T2/0221/00 dt. 01.02.2021	
		Table 3	MSIL/Celerio-K10C-CNG/T3/0221/00 dt. 01.02.2021	
Table 11	MSIL/Celerio-K10C-CNG/T11/0221/00 dt. 01.02.2021	Table 4E	MSIL/Celerio-K10C-CNG/T4E/0221/00 dt. 01.02.2021	
		Table 5	MSIL/Celerio-K10C-CNG/T5/0221/00 dt. 01.02.2021	
Table 20	MSIL/Celerio-K10C-CNG/T20/0221/00 dt. 01.02.2021	Table 6	MSIL/Celerio-K10C-CNG/T6/0221/00 dt. 01.02.2021	

2. It is certified that the above base model comply with the provisions of the CMVR, 1989, as amended up-to-date, including following requirements, (as detailed at ANNEXURE - I, IA, IB & II):

Standards	Notification	Date	Effective From	Applicable CMVR
Bharat Stage – VI (Including OBD - I)	GSR 889(E)	16.09.2016	01.04.2020	115 (18) (i)
	GSR 881(E)	26.11.2019	26.11.2019	115 (18) (i)
Refer ANNEXURE - II				

3. This Certificate is issued as per CMV Rule 126, to establish compliance with the Central Motor Vehicles Rules, 1989, and shall not be construed as a certificate of compliance to any rules other than those listed in ANNEXURE - I, IA, IB & II. Compliance to these rules has been verified based on the use of specific components / parts / assemblies etc. details of which are given in the detailed specifications duly endorsed by ICAT as mentioned at Para. 1a above. It is the vehicle manufacturer's responsibility to ensure fitment of same components / parts / assemblies etc. before submission of the vehicle for registration.

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ANNEXURE - I

Rule No.	Sub Rule(s)	Compliance Verified For		Standard
93	(1A), (1B), (2) & (4)	Motor Vehicle width, length & height		-
94	(1), (2) & (3)	Condition of tyres		-
95	Radial tubeless	Size & ply rating of tyres		IS-15633:2005, AIS-051:2004
		Make		
	Front/ Spare	165/70 R14 81S	Bridgestone	
	Rear/ Spare	165/70 R14 81S	Bridgestone	
	(1), (2),(3), (4), (5), (6) (8)	Tyre pressure monitoring system		NA
96	(1), (2), (3), (4)(ii), (7)(a) & (8)	Brakes		IS-15986:2015
	(4B)	Anti Lock Braking System (ABS)		IS-15986:2015
	(10)	Electronic Stability Control (ESC)		NA
	(11)	Brake assist System (BAS)		NA
96B	(a) & (b)	High Speed Brake Requirements		IS-15986:2015
98	(3)	Steering gear		IS-11948:2010
	(1), (2)			IS-12222:2011
99	-	Forward and backward motion		-
100	(1), (2) & (3)	Safety glass		IS-2553 (Part 2)(Rev.01):2019
101	(1) & (2)	Windscreen wiper		IS-15804:2008
102	(1) & (2)	Signalling devices, direction indicators and stop lights		-
103	(1) & (2)	Position of the indicator		-
104	(1) & (4)	Fitment of reflectors		AIS-057 (Rev. 1): 2010
105	(1) (a), (2), (3), (4) & (7)	Lamps		-
106	(1)	Deflection of lights		-
108	(1)	Use of red or white lights		-
109	-	Parking light		-
111	-	Prohibition of spotlights etc.		-
114	(1) & (2)	Exhaust gases and exhaust pipes		-

ICAT Ref No.	2020-1454 [IOCS No. : 143247]
Emission Report No.	CT0PQ 0416 dt. 22.04.2021
Noise Report No.	CT0VQ 0319 dt. 09.03.2021
Horn Inst. Report No.	CT0VQ 0043 dt. 14.01.2021
FTP Report No.	CT0EQ 0163 dt. 08.04.2021

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Rule No.	Sub Rule(s)	Compliance Verified For		Standard	
115	(1), (2)(i) & 18(i)	Emission of smoke, vapour, etc. from motor vehicle (Bharat Stage - VI (Including OBD I))		AIS-137	
115G	(1) & (2)	Fuel Consumption Standard		AIS-137	
115 B	A(l)	Mass Emission standard for CNG Vehicles		AIS 137	
	E	CNG Safety Checks for CNG kit components and installation on the vehicle		AIS 024, AIS 028 Rev.1 and Indian Gas Cylinder Rules & 2016	
117	(1) & (2)	Speedometer		IS-11827:2008	
118	(1)	Speed Governor		NA	
119	(1) & (2)	Horns	Installation	IS-15796:2008	
			Limit :		87 dB(A) to 112 dB(A)
			Observed :		93.1 dB(A)
			Performance	IS-1884:1993	
120	(1)	Silencers		-	
	(2)	Pass by Noise	Limit : 74 dB(A) Observed : 70 dB(A)	IS-3028:1998	
122	(1) & (2)	Embossment of chassis number & engine number & month of manufacture (Ref: Table 11 of the Technical Specifications)		AIS-065:2005	
124	Refer Annexure-IA & IB	Safety standards of components as applicable		-	
125	(1), (1A) & (5)	Safety Belt, Seats, their Anchorages & their head restraints		IS-15140:2003, IS-15139:2002 & IS-15546:2005	
	(2)(c)	Rear View Mirror	Specifications	AIS-001 (Part 1) (Rev.1):2011	
			Installation	AIS-002 (Part 1)(Rev.1):2011	
	(8)	Child Restraint System		AIS-072:2009	
(9), (9A)	Additional Safety features for Category M & N Vehicles		AIS-145:2017		
138	(4) (c)	Warning Triangles-Size & Specifications		AIS:022-2001	
	(4) (a)	Temporary Use, Spare Wheel or tyre/run flat tyre		NA	

ANNEXURE - IA

Rule 124 (1) Table	Parts / Components / Assemblies	Standard	Applicable
1(a) & (c)	Automobiles lamps (bulbs)	AIS-034 (Part 1) (Rev.1):2010	Yes
2	Hydraulic brake hose (if fitted)	IS-7079:2008	Yes
3	Hydraulic brake fluid (if fitted)	IS-8654:1986	Yes
5(b)	Requirement for behavior of steering mechanism of a vehicle in a Head-on Collision	AIS-096:2008	Yes
5(c)	Protection of Occupants in the event of an Onset Frontal collision	AIS-098:2008	Yes
6(b)	Approval of vehicle with regard to the Protection of Occupants in the event of a Lateral Collision	AIS-099:2008	Yes

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Rule 124 (1) Table Sr. No	Parts / Components / Assemblies	Standard	Applicable
6(c)	Approval of vehicle with regard to the Protection of Pedestrian and other Vulnerable Road User in the event of a collision with a Motor Vehicle	AIS-100:2010	Yes
7(b)	Fuel Tank Plastic	IS-15547:2005	Yes
8(a)	Wheel Rims	IS-9436:1980	Yes
11	External Projections	AIS-120:2014	Yes
13	Wheel Guards	IS-13943:1994	Yes
14	Wheel Nuts, Disc & Hub Caps	IS-13941:1994	Yes
15	Accelerator Control System	IS-14283:1995	NA
16	Door Locks and Door Retention Components	IS-14225:1995	Yes
17	Hood Latch	IS-14226:1995	Yes
18	Tell tale symbols and control	AIS-071:2009 (Part-1&Part-2)	Yes
20	Installation of Lighting/ Signalling Devices	AIS-008:2010 (Rev 1)	Yes
20 (i)(a)	Main-beam and dipped-beam headlamps	AIS-010 (Part 1) (Rev.1):2010	Yes
20 (i)(b)	Front fog lamps	AIS-012 (Part 1) (Rev.1):2011	NA
20 (i)(c)	Rear fog lamps	AIS-012 (Part 2) (Rev.1):2011	NA
20 (i)(d)	Cornering Lamps	AIS-012 (Part 3) (Rev.1):2011	NA
20 (i)(e)	Rear registration plates (mark) illuminating lamps	AIS-012 (Part 4) (Rev.1):2011	Yes
20 (i)(e)	Direction indicators	AIS-012 (Part 5) (Rev.1):2011	Yes
20 (i)(f)	Front and rear position (side) lamps, stop-lamps and end-outline marker lamps	AIS-012 (Part 6)(Rev.1) : 2011	Yes
20 (i)(g)	Reversing lamps	AIS-012 (Part 7) (Rev.1):2011	Yes
20 (i)(h)	Parking lamps	AIS-012 (Part 8) (Rev.1):2011	NA
20 (i)(i)	Side-marker lamps	AIS-012 (Part 9) (Rev.1):2011	NA
20 (i)(j)	Daytime running lamps	AIS-012 (Part 10) (Rev.1):2011	NA
21 (ii)	Electromagnetic compatibility of motor vehicles	AIS-004:2009 (Part - 3)	Yes
23	Gradeability	AIS-003:1999	Yes
26(a)	Constructional and Functional Safety of BOV (Exempted for protection against water effects tests)	AIS-038 (Rev.1)/2015	NA
27	Measurement of Electrical Energy Consumption	AIS-039:2015 (Rev 1)	NA
28	Method of Measuring the Range	AIS-040:2015 (Rev 1)	NA
29	Measurement of Net Power and Maximum 30 min. Power	AIS-041:2015 (Rev 1)	NA
30	Type Approval for Electric Power Train Vehicles	AIS-049:2016 (Rev 1)	NA
31 (a)	Fuel consumption (on driving cycle)	Carbon balance method	Yes
34	Driver's Field of vision for new vehicles of M1 category	AIS-021:2004	Yes
38	The interior fittings on automotive vehicles	IS-15223:2002	Yes
41	Bumper Test on M1 category	IS-15901:2010	Yes
45	Arrangement and mode of operation of foot controls	AIS-035:2006	Yes

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Rule 124 (1) Table Sr. No.	Parts / Components / Assemblies	Standard	Applicable
46(a)	Demisting System for M1 category	AIS-084:2008 Part 1	Yes
46(b)	Defrosting System for M1 category (If Fitted)	AIS-084:2008 Part 2	Yes
47(a)	The Type Approval of hybrid electric vehicle	AIS-102-2009 (Part 1)	NA
49	Traction batteries used in battery operated vehicle	AIS-048-2009	NA
50	Test procedure for measurement of minimum ground clearance for M1 category of vehicles	IS-9435:2004	Yes
51	Protective devices against unauthorised use	AIS-075:2006	Yes
52	Vehicle Alarm Systems and Immobilizers for M category, and N category vehicles, if fitted	AIS-076:2007	Yes
53	Adaptive Front - Lighting System (AFS) if provided on motor vehicles of category M & N	AIS-127:2016	NA

ANNEXURE - IB

CMV Rule	Compliance Verified For		Standard	Effective Date
2 (l)	Definitions – category of vehicle	M1G	IS 14272: 2011	10.12.2018
124 (4)	The procedure for Type Approval and establishing Conformity of Production for components	Safety Glass/Tyres / Horn	AIS-037:2004**	01.04.2009
		Brake Hose		01.10.2009
		Bulbs/Safety Belt/Wheel rims/ Lighting and light Signalling Devices / Retro-Reflectors / Warning Triangles/RVM		
		Fuel Tank/ Door Locks & Door Retention component		

**** Compliance needs to be established for Type approval /Conformity of Production for components, listed in the notification as per the specified dates.**

ANNEXURE - II

Standards	Notification	Date	Effective From	Applicable CMVR	Applicability
Pass by Noise Limits	GSR 111(E)	10.02.2004	01.04.2005	120 (2)	Yes
Wheel rim/wheel guard/Wheel Nuts, Disc & Hub Caps/Accelerator Control /System/Door Locks and Door Retention Components/Hood Latch /EMC/Gradeability/Fuel consumption/FOV/ Interior fitting/Brake hose	SO 1365(E)	13.12.2004	Notified Dates	ANNEXURE – I/ ANNEXURE – IA/ ANNEXURE – IB	Yes
Tyres/Brakes/Lighting & light Signalling devices/Horn/VIN	GSR 589(E)	16.09.2005			Yes
Foot control	SO 1431(E)	20.08.2007			Yes
Category of Vehicles/Tyre/VIN/Safety Components/Safety belt assembly/safety belt anchorage/Seats, their anchorages & Head Restraints for category M1	GSR 784(E)	12.11.2008			Yes

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ANNEXURE - II (Contd...)

Standards	Notification	Date	Effective From	Applicable CMVR	Applicability
Demist/defrost	SO 2714(E)	04.11.2010	Notified Dates	ANNEXURE – II/ ANNEXURE – IA/ ANNEXURE – IB	Yes
Light Installation	SO 436(E)	15.03.2012			Yes
windscreen wiper/speedometer/Horn/ CRS/spare wheel	GSR 291(E)	24.04.2014			Yes
Wheel Rim	SO 1558(E)	18.06.2014			Yes
Crash	SO 1139(E)	28.04.2015			Yes
External projection/ Tire/tyre/EMC/ BOV/Bumper/ Ground clearance/ATD/MAS	SO 411(E)	09.02.2016			Yes
Brake(ABS)	GSR 120(E)	10.02.2017			Yes
Steering	GSR 1463 (E)	27.11.2017			Yes
CRS/additional safety features	GSR 1483 (E)	07.12.2017			Yes
Definition/Reflex reflector/RVM	GSR 1192 (E)	10.12.2018			Yes
Bulb/Lamps/Metallic fuel tank	SO 6108(E)	10.12.2018			Yes
Dimension	GSR 414 (E)	26.06.2020			Yes
Crash(AIS: 99)	SO 2412(E)	03.09.2015			Yes
Crash(AIS: 100)		Yes			
TPMS (if fitted)	GSR 457 (E)	20.07.2020			NA
Temporary Use, Spare Wheel or tyre/Run Flat Tyre	GSR 518(E)	01.06.2018			NA
Amendments in CMVR Type Approval for Hybrid Electric Vehicles(HEV) as per AIS-102(Part 2)/2010	SO 1013(E)	15.04.2015			NA
speed governor (for Transport vehicle only)	GSR 424 (E)	01.05.2017			NA
VAS(if fitted)	SO 3291(E)	11.10.2017			Yes
ESC	GSR 173(E)	01.03.2019			NA
BAS					NA
BOV					NA
AFS	SO 2210(E)	01.06.2018			NA
CNG (with O.E. Fitment)	GSR 853(E)	19.11.2001			Yes
	GSR 589(E)	16.09.2005			
	GSR 585(E)	25.09.2020			
Idling CO & HC	GSR 889(E)	16.09.2016			Yes
	GSR 881(E)	26.11.2019			
Free Acceleration Smoke	GSR 889(E)	16.09.2016			NA
	GSR 881(E)	26.11.2019			
Fuel Consumption	GSR 954(E)	04.10.2016	Yes		
	GSR 1461(E)	27.11.2017			
Windscreen	GSR 457 (E)	20.07.2020	Yes		
Airbag (Front Seat)	GSR 148 (E)	02.03.2021	Yes		
Exhaust gases and exhaust pipes	GSR 240(E)	31.03.2021	Yes		

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ANNEXURE - III

This Certificate is issued subject to the following conditions:

The "OE" Base model fitted with below Engine and catalytic converter, shall have CNG Cylinder & Cylinder Valve approved by PESO, Nagpur, for the following :

Sr. No.	Vehicle Model	Engine Model	(ltrs)
i 1	MARUTI CELERIO VXI CNG 1L 5MT	K10C	32 Liters

- A) The cylinders are filled at a pressure not exceeding 200 bar at 15° C.
 B) The cylinders are subjected to hydrostatic stretch test at a pressure of 334 bar as required under rules 39 to 42 of the Gas Cylinders Rules, 2016.
 C) Other relevant provisions of the said rules are complied with.

ii CNG Injectors is of the type and design (Ref. Point 25 of Technical Specifications of CNG system).

iii Any Change in the CNG System Specifications or Layout will call for recertification.

iv This Certificate is issued by ICAT exclusively for fitting of the CNG system as per the enclosed CNG cylinder on the OE base model fitted with below engine (with Gasoline tank) and catalytic converter, and would be valid till the validity of GSR 853(E) dt.19.11.2001/GSR 589(E) dt.16.09.2005/GSR 84 (E) dt. 09.02.2009 or until further amendment in CMV Rules, whichever is earlier. The details are as below:

Sr. No.	CNG Cylinder Manufacturer (Capacity)	Vehicle Model	Engine Model	Gasoline tank Capacity (ltrs)
1	JAY-FE Cylinders	MARUTI CELERIO VXI CNG 1L 5MT	K10C	32 Liters
2	FJM Cylinders			

v The onus of verification of fitness / proper functioning of CNG system on each and every vehicle, including endorsement as "operation on CNG" by the concerned Registering Authorities, under this Certificate lies with M/s. Maruti Suzuki India Ltd.

vi Registering Authorities shall, at the time of registration, verify the PESO approval for the CNG cylinder and Cylinder Valve, in respect of make / identification no. (as referred in Point 2 & 3 of Technical Specifications of CNG system) and documental reference for Quantity / Sr. No. cleared by PESO, time to time.

vii. In addition, compliance to Safety Checks, Requirements shall be verified by the designated Authorities, as and whenever necessary, based on the following guidelines:

Annexure to AIS 024	Details	Responsibility	Applicable for CNG Vehicles
III	Checklist for fitness tests and certification for In-Use vehicles after fitment / conversion to CNG mode	Undertaking by Kit Installer, Verification by RTO	In-Use
IV	Safety checks for use of CNG fuels in internal combustion engine vehicles (as per AIS 028) & Indian Gas cylinder rules, 2016	PESO / Test Agency	All
V	Criteria to authorize the kit installer and responsibility of vehicle / kit manufacturer / supplier / Installer (Including Inspection, Testing & Commissioning, Garaging & Repairs, etc.)	Vehicle Manufacturer (O.E.) Kit Manufacturer (In-Use)	All
VI	Installation Certificate for converted CNG vehicle (A checklist given in the APPENDIX-A of AIS 028 may be referred by the Kit Installer at the time of inspection prior to issuing installation certificate).	Undertaking by Kit Installer, Verification by Designated Authority	All
VII	Checklist for third party checking or inspection of built-up CNG buses before registration	RTOs before Registration / Designated Authority	All Buses
VIII	Checklist for preventive maintenance of In-Use CNG vehicles	Workshop authorised by Kit Installer	In-Use
AIS - 024 & 028	Code of practice for use of CNG fuel in internal combustion engine vehicles	PESO / Test Agency	All

Applicability of AIS 024, AIS 028 Rev 1 w.e.f. September 2020

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