



INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

[A Division of NATRiP Implementation Society (NATIS), Govt. of India]

C A Q B 0467

Date : 15th June 2021

CERTIFICATE

FOR

Cert	Table 7, 11 & 13	Dwg	Total
03	11	06	20

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** submitted by the vehicle **manufacturer** referred below:

Documental Reference	Vehicle Manufacturer		
Current Certificate	M/s E-Ashwa Automotive Private Limited M-51, Ram Krishna Apartment, Patparganj, Delhi - 110092 Plant : Ghaziabad, Uttar Pradesh		
Type & Category	Motor Manufacturer (Model)	Controller Manufacturer (Model)	
Special Purpose Battery Operated Vehicle & E-Rickshaw	M/s CY INTERNATIONAL, DELHI (CY48M900)	M/s CY INTERNATIONAL, DELHI (BRC-4850)	
Base Model	Net Power / Max. Speed	Seating Capacity (incl driver)	GVW (kg)
Aato	1358 W / 19.16 km/hr	5 Persons	751
Variant(s)	NA		
Battery (Make/Capacity/Id)	M/s Exide Industries Ltd. / 85 Ah / ERTUBR115L-OE		

1a Brief technical specifications (Aato-01 dt. 20.04.2021) of the **base model** as declared by the vehicle manufacturer are enclosed with this certificate. Detailed specifications (Aato-01 dt. 20.04.2021) of the **base model** are also separately issued to the vehicle manufacturer.





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):

Standards	Notification	Date	Effective From	Applicable CMVR
E - Rickshaw	GSR 709(E)	08.10.2014	08.10.2014	ANNEXURE - I, IA, IB

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.

Please turn over for DISCLAIMER

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 ICAT PRASHANT VIJAY DEPUTY GENERAL MANAGER		 ICAT DINESH TYAGI DIRECTOR	 Page 1 of 3

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(An ISO 9001, ISO 14001 and OHSAS 18001 certified, scope wise NABL accredited and BIS recognised Test House)

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ANNEXURE - I

Rule No.	Sub Rule(s)	Compliance Verified For		Standard
93	(1)(A), (1)(B), (2)	Motor vehicle width, length and height		-
94	(1), (2), (3)	Condition of tyres		-
95	(1), (2), (3), (4), (5) & (6) (Tube Type)	Size & ply rating of tyres		IS 15627:2005 & AIS-050:2004
		Front/ Rear	90/90-12, 64B 3.75-12, 66B	
			3.00-12, 63B 3.75-12, 66B	
			3.75-12, 60J	
			90/90-12, 54J	Innovative
96	(1), (2), (3), (4)(i), (7)(a)	Brakes		IS 14664:1999
99	-	Forward and backward motion		-
100	(1), (2) & (3)	Safety glass As amended by GSR 784(E) – Ref. ANNEXURE - IB		NA
101	(1)	Windscreen Wiper		NA
102	(1), (2)	Signaling devices, direction indicators and stop lights		-
103	(1), (2)	Position of the indicator		-
104	(1)(v), (4)	Fitment of reflectors & reflective tapes		AIS-057-2005 & AIS-090-2005
105	(1)(b), (3), (4), (5), (7)	Lamps		-
106	(1)	Deflection of lights		-
108	(1)	Use of red or white lights		-
109	-	Parking lights		-
110	-	Lamps for three wheelers		-
111	-	Prohibition of spotlights etc.		-
119	(1) & (2)	Horns	Installation	IS 15796:2008
			Limit : 83 dB(A) to 112 dB(A)	
			Observed : 94.7 dB(A)	
			Performance	IS 1884:1993
122	(1) & (2)	Embossment of chassis number & motor number & month of manufacture (Ref: Table 11 of the Technical Specifications)		AIS-065-2005
124	-	Safety standards of components as applicable		Refer ANNEXURE - IA & IB
125	(2)(a)	Rear View Mirror	Specifications	AIS-001 (Part-1) (Rev.1):2011
			Installation	AIS-002 (Part-1) (Rev.1):2011

ICAT Ref No.	2021-091 (IOCS: 149317)
Power Test Report No.	CT0PO 0512 dt. 07.01.2019
Horn Inst. Report No.	CT0VN 0134 dt. 30.01.2019
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ANNEXURE - IA

Rule 124 (1) Table B Sr. No.	Parts / Components / Assemblies	Standard	E-Rickshaw
1	Automobiles lamps	AIS-034-2004	✓
2	Wheel rims	AIS-073-2005	✓
3(a)	Installation requirement for lighting and light signalling devices	AIS-009-2001	✓
3(b)	Performance requirements for lighting and light-signalling devices	AIS:010/2004 AIS:012/2004	✓
4	Constructional & Functional Safety of battery operated vehicle	AIS-038-2003	✓
5	Measurement of Net Power& max. 30. min. Power & Speed for battery operated vehicles	AIS-041-2003	✓
6	Traction batteries used in battery operated vehicles	AIS-048-2009	✓
7	Requirements of Handholds	AIS-046-2005	✓

ANNEXURE - IB

CMV Rule	Compliance Verified For		Standard	Effective Date
2	Definitions – category of vehicle	E-rickshaw	IS14272:2011	----
124(4)	The procedure for Type Approval and establishing Conformity of Production for components	Tyres / Horn / Brake hose	AIS-037-2004**	01.04.2009
		Bulb / Rear View Mirror		01.10.2009
		Lighting and Light Signaling Devices / Retro-Reflectors / Reflective Tapes		01.04.2010




** 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
BoV / VIN / Brakes / Lamps/ Horn / Bulbs / Tyre/Lighting & light signaling devices /Traction Battery and other safety components/ Reflective tapes/ Overall dimensions	GSR 784(E)	12.11.2008	08.10.2014	ANNEXURE-I ANNEXURE- IA ANNEXURE- IB
	S.O. 2590 (E)	08.10.2014		
	S.O. 3090 (E)	08.12.2014		
	GSR 807 (E)	23.10.2019	01.04.2020	
	GSR 414 (E)	26.06.2020	Notified date	

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