

## E-Rickshaw & E-Cart

### CMVR Type Approval - Vehicle level Tests

Sr. No.	Tests	CMV Rule No.	Reference Standard
1	Photographs	---	ARAI Procedure
2	CMVR physical verification	93 to 124	CMVR, 1989
3	Vehicle weighment	95	IS : 11825
4	Coast down test **	115	ARAI Procedure
5	Brake test	96 (4)	IS : 14664
6	vehicle dimension measurement	93	ARAI Procedure
7	Installation requirements for Lighting & Signaling devices	124(24)	AIS : 009
8	Hand Hold	124 (42)	AIS : 046
9	Horn Installation	119(1)	AIS : 014
10	Max speed test	GSR 709	ARAI Procedure
11	Vehicle identification number including month and year of manufacture.	122(1)	AIS : 065
12	Measurement of Max power and 30 min power	124 (1) 29	AIS : 041
13	Constructional , Functional Safety tests	124(1)26 (a)	AIS : 038
14	Traction batteries used in battery operated vehicles	124 (49)	AIS : 048
15	Reflective tape	104	AIS : 057
Note :	** MANUFACTURER OPTION		

### 3 Wheeler E-Rickshaw & E-Cart safety component level tests

Sr. No.	Tests	CMV Rule No.	Reference Standard
1	Size and Ply rating of tyres	95 (1)	IS:15627 & AIS : 037
2	Reflector	104 (4)	AIS : 057
3	Horn	119 (1)	IS : 1884 & AIS : 037
4	Automotive lamps (bulbs)	124 (1)	AIS : 034
5	Performance requirements for Lighting & Signalling	124 (32)	AIS : 010 & 012 & AIS : 037
	Head lamp assembly (Glass lense) / (Plastic lense)	124 (32)	AIS : 010 & 012 & AIS : 037
	Front / Rear Direction Indicator lamp assembly	124 (32)	AIS : 010 & 012 & AIS : 037
	Front Parking lamp assembly	124 (32)	AIS : 010 & 012 & AIS : 037
	Rear Registration Plate Lamp Assembly	124 (32)	AIS : 010 & 012 & AIS : 037
	Rear Combination Lamp Assembly (with Stop/Tail, Direction Indicator lamps, Number plate lamp)	124 (32)	AIS : 010 & 012 & AIS : 037
6	Wheel rims	124 (43)	AIS:073
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