

### 3 Wheeler (Battery operated Vehicles)

#### CMVR Type Approval - Vehicle level Tests

Sr. No.	Tests	CMV Rule No.	Reference Standard
<b>VEHICLE EVALUATION LAB TESTS</b>			
1	Photographs	---	ARAI Procedure
2	CMVR physical verification	93 to 124	CMVR, 1989
3	Vehicle weighment	95	IS : 11825
4	Coast down test**	115	IS 14785
5	Brake test	96 (4)	IS : 14664
6	Turning circle diameter test	98 (2)	IS : 12222
7	Steering effort test ( <i>if applicable</i> )	98 (3)	IS : 11948
8	Speedometer calibration	117 (1) (2)	IS:11827-2008
9	Pass by noise test	120 (2)	IS : 3028
10	External projection test ( <i>engine CC &gt; 500</i> )	124 (11)	IS : 13942
11	Tell-Tales and Indicators	124 (18)	AIS-071(Part-1,2)
12	Gradeability test	124 (23)	AIS : 003
13	Definitions (Classification of the Vehicle) – L5 (M/N)	GSR 784 2 (ii)	AIS:053
14	Vehicle identification number including month and year of manufacture.	122(1)	AIS:065
<b>SAFETY AND HOMOLOGATION LAB TESTS</b>			
15	Installation requirements for Lighting & Signaling devices	124(24)	AIS : 009
16	Accelerator control system ( <i>engine CC &gt; 500</i> )	124 (15)	IS : 14283
17	Horn Installation	119(1)	IS 15796
18	Rear View Mirror Installation	125(2)	AIS:002
19	Windscreen Wiping System	124(39)	AIS 045
20	Protective Device against unauthorised use	124 (44)	AIS:074
21	Hand Hold	124 (42)	AIS 046
<b>AUTOMOTIVE ELECTRONICS DEPARTMENT TESTS</b>			
22	Electromagnetic compatibility of motor vehicle	124 (21) (ii)	AIS : 004 (Part 3)
23	Water Effect Test	124(1)26 (a)	AIS : 038
24	Range test	124 (1) 28	AIS : 040
25	Measurement of Max power and 30 min power	124 (1) 29	AIS : 041
26	Constructional , Functional Safety tests	124(1)26 (a)	AIS : 038
27	Measurement of Electric Energy test	124 (1) 27	AIS : 039
28	Traction batteries used in battery operated vehicles	124 (49)	AIS : 048
29	Electric shock test ( if voltage is greater than 48 V)	124(1)26 (a)	AIS : 038
Note :			