

4 Wheeler Vehicle Battery Operated Vehicle (BOV) (N2 / N3 Category)

CMVR Type Approval - Vehicle Level Tests

Sr. No.	Tests	CMV Rule No.	Reference Standard
1	Photographs	---	ARAI Procedure
2	CMVR physical verifications	93 to 125	CMVR, 1989
3	Vehicle weighment	95	IS : 11825
4	Brake test	96(4)	IS : 11852
5	Turning circle diameter test	98(2)	IS : 12222
6	Steering effort test	98(3)	IS : 11948
7	Speedometer calibration	117(1)(2)	IS : 11827
8	Pass by noise test	120(2)	IS : 3028
9	External projection test	124(11)	IS : 13942
10	Tell tale symbols	124(19)	AIS-071(Part-1,2)
11	Gradeability test	124(23)	AIS - 003
12	Interior noise test	124 (1)	AIS : 020
13	Hoodlatch (if applicable)	124 (17)	IS : 14226
14	Accelerator control system	124(15)	IS : 14283
15	Horn Installation	119(1)	IS:1884 & AIS:037
16	Rear View Mirror Installation	125(2)	AIS:002
17	Installation requirements for Lighting & Signaling devices	124(20)	AIS:008
18	Vertical orientation for dipped beam - head lamp	124(20)	AIS:008 (Rev 001)
19	Spray suppression devices (N3 & N2 GVW>7.5ton)	124(33)	AIS:013
20	Electromagnetic compatibility of motor vehicle	124 (21) (ii)	AIS :004 (Part 3)
21	Rear Under run protection device	124(1-A)	IS:14812
22	Front Underrun Protective Devices	125 (1-B)	AIS:069
23	Protective devices (If fitted)	124 (1)	AIS: 075 / AIS :076
24	Vehicle lateral protection device	124(1-A)	IS:14682
25	Survival Space	124 (1) 35.	AIS:029
26	Dimensional Measurement as per AIS 023 per Occupancy - per Design	125 (6)	AIS:023
27	ABS Test	96 (5)(6) (7) (a) & (8)	IS 11852
28	Hand hold	124 (1) 42	AIS 046
29	Embossment of Chassis Number, Engine Number & Month of Manufacture & manufacturer plate (Vehicle identification number including month and year of manufacture.)	122(1)	AIS:065
30	Temporary Cabin fitted on drive away chassis	125(1-C)	AIS:070
31	Fitment of Reflective tape test	104(1)	AIS:090
32	Definitions (Classification of the Vehicle) – N2/N3	2 (x)	AIS:053
33	Front Under Run Protective Device test	125 (1-B)	AIS:069
34	Interior fitting test	124(1) (38)	AIS:047
35	Functional and Safety tests	124(1)26 (a)	AIS:038(Rev 1)/2015
36	Measurement of Electric Energy test	124 (1) 27	AIS:039(Rev 1)/2015
37	Range test	124 (1) 28	AIS:040(Rev 1)/2015
38	Traction batteries used in battery operated vehicles	124 (49)	AIS : 048
39	Measurement of Max power and 30 min power	124 (1) 29	AIS:041(Rev 2)/2015
40	Speed governor	118 (1)	AIS:018/2001
41	Air ventillation	125 C (4)	AIS-056
42	Truck code (upcoming from 1st Oct 2018)	125 C (4)	AIS-093