

**4 Wheeler BOV M2 / M3 Category
CMVR Type Approval - Vehicle level Tests**

Sr. No.	Tests	CMV Rule No.	Reference Standard
VEHICLE EVALUATION LAB TESTS			
1	Photographs	---	ARAI Procedure
2	Definitions (Classification of the Vehicle) – M2/M3 **	2 (x)	AIS:053
3	CMVR physical verifications	93 to 125	CMVR, 1989
4	Accreditation of Bus Body Builders	---	S.O.3026 & S.O.2356
5	Vehicle weighment	95	IS : 11825
6	Vehicle dimension measurement	---	ARAI Procedure
7	Brake test	96(4)	IS : 11852
8	ABS Testing(Mandatory for M3)	96 (5)(6)(7)(a)&(8)	IS 11852
9	Turning circle diameter test	98(2)	IS : 12222
10	Steering effort test	98(3)	IS : 11948
11	Speedometer calibration	117(1)(2)	IS : 11827
12	Pass by noise test	120(2)	IS : 3028
13	External projection test	124(11)	IS : 13942
14	Tell tale symbols	124(19)	AIS : 071(Part-1,2)
15	Gradeability test	124(23)	AIS : 003
16	Constant speed fuel consumption (Dual speed)	124(1) (31)	IS:11921
17	Interior noise test	124 (1)	IS:12832:2010(Rev.1)/2014
18	Temporary Cabin fitted on drive away chassis	125(1-C)	AIS:070
19	VIN system Vehicle identification number including	122(1)	AIS:065
20	Bus Body Code	G.S.R. 895 (E)	AIS 052 & AIS 153
SAFETY AND HOMOLOGATION LAB TESTS			
21	Accelerator control system	124(15)	IS : 14283
22	Horn Installation	119(1)	AIS:014
23	Hand hold	124 (1) (42)	AIS 046
24	Windscreen wiping system	101(2) (3)	IS:15802
25	Rear View Mirror Installation	125(2)	AIS:002
26	Speed governor	118 (1)	AIS:018/2001
27	Fitment of Reflective tape and reflectors	104(1)	AIS:090
28	Fitment of rear marking plate lamps	104(1)	AIS: 012
29	Installation requirements for Lighting & Signaling devices	124(20)	AIS:008 (Rev.1)
30	Bus window retention	124(1) (12)	IS : 13944
31	Anti-Theft Devices	124	AIS:75
32	Flammability requirement (For 22 seater above)	124 (1) (37)	IS: 15061

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33	Anti-theft devices (Mechanical/ Retro-mechanical devices) (If provided)		AIS-075
PASSIVE SAFETY LAB TESTS			
34	Strength of superstructure of passenger vehicles	124 (1)	AIS:031
35	Seat dimension measurment Test	125 (6)	AIS:023
36	Interior Fitting test	124(38)	AIS : 047
37	Rear Under Run Protection Device	124	IS:14812-2000
38	Vehicle Lateral Protection Side	124	IS:14682-1999
39	Stability angle determination	---	AIS-052
40	Seat Anchorage test	125	AIS-023
AUTOMOTIVE ELECTRONICS DEPARTMENT TESTS			
41	Electromagnetic compatibility of motor vehicle	124 (21) (ii)	AIS :004 (Part 3)
42	Vehicle Alarm Systems and Immobilizers(If Provided)		AIS-076
43	Functional and Safety tests	124(1)26 (a)	AIS:038(Rev 1)/2015
44	Measurement of Electric Energy test	124 (1) 27	AIS:039(Rev 1)/2015
45	Range test	124 (1) 28	AIS:040(Rev 1)/2015
46	Traction batteries used in battery operated vehicles	124 (49)	AIS : 048
47	Measurement of Max power and 30 min power	124 (1) 29	AIS:041(Rev 1)/2015

**4 Wheeler BOV M2 / M3 Category
CMVR Type Approval - Component level Tests**

Sr. No.	Tests	CMV Rule No.	Reference Standard
SAFETY AND HOMOLOGATION LAB TESTS			
1	Tyres	95 (1)	IS:15636& AIS : 037
2	Safety glass	100(2)	IS : 2553 & AIS : 037
	1. Windscreen laminated safety glass		
	2. Side window / door glass		
	3. Back light / rear toughened glass		
5	Reflector	104(4)	AIS : 057 & AIS : 037
6	Horn	119(1)	IS : 1884 & AIS : 037
7	Automotive lamps	124(1)	AIS:034 & AIS : 037
8	Hydraulic brake hose	124(2)	IS : 7079 & AIS : 037
9	Hydraulic brake fluid	124(3)	IS : 8654
10	Wheel rims	124(8)	IS : 9438 & AIS : 037
11	Rear View Mirror Specifications(Exterior)	125(2)	AIS:001 & AIS : 037
	Rear View Mirror Specifications(Interior)	125(2)	AIS:001 & AIS : 037
12	Wheel nuts , wheel discs & hub caps	124(14)	IS : 13941
13	Door locks & door retention	124(16)	IS : 14225 & AIS : 037
14	Performance requirements for Lighting & Signalling devices	124 (20)	AIS : 012 & AIS : 037
	Head lamp assembly (Glass lense)	124 (20)	AIS : 012 & AIS : 037
	Head lamp assembly (Plastic lense)	124 (20)	AIS : 012 & AIS : 037
	Head lamp + Fr. Position lamp / Fr. Direction Indicator lamp / Fr. Fog lamp	124 (20)	AIS : 012 & AIS : 037
	Rear combination lamp (each additional function)	124 (20)	AIS : 012 & AIS : 037
	Independent Fr. Position lamp / Fr. Direction Indicator lamp / Fr. Fog lamp	124 (20)	AIS : 012 & AIS : 037
	Rear combination lamp (single function)	124 (20)	AIS : 012 & AIS : 037
15	Fuel tank :	124(7)	↓
	Metallic		IS:12056 & AIS : 037
	Plastic		IS: 15547 & AIS:037
16	Warning Triangles	138 (4) (C)	AIS:022 & AIS : 037
PASSIVE SAFETY LAB TESTS			
17	Seats	125 (6)	AIS 023
18	Seat Anchorages	125 (6)	AIS 023
19	Head restraints	125 (6)	AIS 023
20	Seat Belts	125 (1A)	IS 15140 & AIS : 037