

**N1 ( BOV)**

**CMVR Type Approval - Vehicle level Tests**

<b>Sr. No.</b>	<b>Tests</b>	<b>CMV Rule No.</b>	<b>Reference Standard</b>
<b>VEHICLE EVALUATION LAB TESTS</b>			
1	Photographs	---	ARAI Procedure
2	Definitions (Classification of the Vehicle) – N2/N3	2 (x)	AIS:053
3	CMVR physical verifications	93 to 125	CMVR, 1989
4	Vehicle weighment	95	IS : 11825
5	Brake test	96(4)	IS : 11852
6	Turning circle diameter test	98(2)	IS : 12222
7	Steering effort test	98(3)	IS : 11948
8	ABS Testing ( if fitted)	96 (5)(6) (7) (a) & (8)	IS 11852
9	Vehicle identification number including month and year of manufacture.	122(1)	AIS:065
10	Speedometer calibration	117(1)(2)	IS : 11827 -2008
11	Pass by noise test	120(2)	IS : 3028
12	External projection test	124(11)	IS : 13942
13	Tell tale symbols	124(19)	AIS-071(Part-1,2)
14	Gradeability test	124(23)	AIS - 003
15	Interior noise test	124 (1)	IS:12832:2010
16	Temporary Cabin fitted on drive away chassis	125(1-C)	AIS:070
17	Temporary use spare wheel / tyre and Run Flat Tyre (if different from normal tyre )	95 (7)	AIS 110
18	Coast down test	115	ARAI Procedure
<b>SAFETY AND HOMOLOGATION LAB TESTS</b>			
20	Accelerator control system	124(15)	IS : 14283
21	Windscreen wiping system	101(2) (3)	IS:15802-2008
22	Horn Installation	119(1)	IS:15796-2008
23	Rear View Mirror Installation	125(2)	AIS:002
24	Installation requirements for Lighting & Signaling devices	124(20)	AIS:008
25	Hand hold	124 (1) 42	AIS 046
26	Speed governor	118 (1)	AIS:018/2001
27	Fitment of rear marking plates	104 D	AIS 089-2005
28	Fitment of Reflective tape	104(1)	AIS:090
29	Spray suppression devices	124(33)	AIS:013 Rev 1
30	Protective devices	124 (1)	AIS: 075

31	Vehicle Alarm System & immobilizers	124 (1)	AIS: 076
<b>PASSIVE SAFETY LAB TESTS</b>			
32	Rear Under run protection device	124(1-A)	IS:14812-2005
33	Vehicle lateral protection device	124(1-A)	IS:14682-2004
34	Front Underrun Protective Devices	125 (1-B)	AIS:069
35	Survival Space	124 (1) 35.	AIS:029
36	Dimensional Measurement as per AIS 023 per Occupancy - per Design	125 (6)	AIS:023
37	The Front Under Run Protective Device	125 (1-B)	AIS:069
38	Interior fitting test	124(1) (38)	AIS:047
39	Minimum Space Requirement for Front Passenger Seat (Transitory Provision)	125 (6)	AIS:023:2005
<b>AUTOMOTIVE ELECTRONICS DEPARTMENT TESTS</b>			
40	Electromagnetic compatibility of motor vehicle	124 (21) (ii)	AIS :004 (Part 3)
41	Functional and Safety tests	124(1)26 (a)	AIS:038(Rev 1)/2015
42	Measurement of Electric Energy test	124 (1) 27	AIS:039(Rev 1)/2015
43	Range test	124 (1) 28	AIS:040(Rev 1)/2015
44	Traction batteries used in battery operated vehicles	124 (49)	AIS : 048
45	Measurement of Max power and 30 min power	124 (1) 29	AIS:041(Rev 2)/2015
<b>UPCOMING REGULATIONS</b>			
1	Requirements for Behavior of Steering Mechanism of a Vehicle in a Head on Collision N1 less than 1.5 t <b>Implementation date 1st April 2020</b>	S.O. 1139 (E)	AIS-096
2	Protection of the Occupants in the event of a Lateral Collision New Models <b>Implementation date 1st October 2017 for new models &amp; 1st October 2019 for all models</b>	S.O. 1139 (E)	AIS-099
3	Requirements for the Protection of Pedestrian and other Vulnerable Road Users in the event of a Collision with a Motor Vehicle new models <b>Implementation date 1st October 2018</b>	S.O. 2412 (E)	AIS-100
Note :			
*	Notification RT-11036/16/97-MVL dated 17-06-97		
**	Manufacturer's option		
			HMR_HMR_Rev :1