

2 Wheeler CMVR Type Approval - Vehicle level Tests

Sr. No.	Tests	CMV Rule No.	GSR/SO	Reference Standard
VEHICLE EVALUATION LAB TESTS				
1	Photographs	---	---	ARAI Procedure
2	Vehicle weighment	---	---	IS : 11825-1996
3	CMVR physical verification	93 to 125	---	CMVR, 1989
4	Coast down test **	115	---	IS:14785
5	Brake test	96	GSR 310 (E)	IS : 14664- 2010
6	ABS or CBS (ABS mandetory for above 125CC/ >11KW)	96	GSR 310 (E)	IS : 14664- 2010
7	Speedometer	117	GSR 291 (E)	IS: 11827-2008
8	Pass By Noise	120	GSR 111 (E)	IS : 3028- 1998
9	Location, identification and operation of controls, Tell-Tales and indicators of two wheeled vehicles	124	SO 411(E)	AIS : 126- 2014
10	Gradeability	124	SO 1365(E)	AIS : 003- 1999
11	Definitions (Classification of the Vehicle) L2	2	GSR 1192 (E)	IS: 14272
12	Definitions (Classification of the Vehicle) L1	2	GSR 1225 (E)	---
13	Signalling devices, direction indicators & stop lights	102	GSR 589(E)	---
14	Position of the indicator	103	---	---
15	Foot Rests	123	GSR 457(E)	AIS:148-2018
16	External Projection	123	GSR 457(E)	AIS:147-2018
17	Embossment of the Chassis Number, Engine Number & date of manufacture	122	GSR 589 (E) & GSR 784(E)	AIS:065:2005

SAFETY AND HOMOLOGATION LAB TESTS

1	Horn Installation	119	GSR 291 (E)	IS:15796- 2008
2	Rear View Mirror Installation	125	GSR 1192 (E)	AIS:002(Part 2)(Rev.1)-2011
3	Installation requirements for Lighting & Signaling devices	124	SO 6108(E)	AIS : 009: (Rev.1): 2011
4	Pillion hand hold test	123	GSR 400(E)	IS 14495- 1998
5	Protective Device against unauthorised use	124	SO 1431(E)	AIS : 074- 2005
6	Spray Suppression system	124	SO 436(E)	AIS : 103- 2009
7	Fitment of reflectors	104	1192(E)	AIS:057(Rev.1)-2010
8	Stand	123	GSR 457(E)	AIS:146-2018

AUTOMOTIVE ELECTRONICS DEPARTMENT TESTS

1	Construction and Function Safety tests of BOV	124	SO 411 (E)	AIS : 038 (Rev.1)-2015
2	Measurement of Electric Energy Consumption	124	SO 411 (E)	AIS : 039 (Rev.1)-2015
3	Measurement of Range	124	SO 411 (E)	AIS : 040 (Rev.1)-2015
4	Measurement of Net power and maximum 30 min power and speed	124	SO 411 (E)	AIS : 041 (Rev.1)-2015
5	CMVR Type Approval for Electric Power Train Vehicles	124	SO 2210 (E)	AIS : 049 (Rev.1)-2016
6	Electromagnetic compatibility of motor vehicle	124	SO 411 (E)	AIS-004 (Part 3)- 2009

2 Wheeler CMVR Type Approval - Component level

Sr. No.	Tests	CMV Rule No.	GSR/SO	Reference Standard
1	Tyres	95	GSR 784(E)	IS:15627-2005, AIS :050 & AIS : 037
2	Fitment of Reflector	104	GSR 1192(E)	AIS:057 (Rev. 1)-2010
3	Performance of Horns	119	GSR 214(E)	IS : 1884- 1993 & AIS : 037
4	Automotive lamps (bulbs) (Single/ Double Filament)	124	SO 6108(E)	AIS : 034(Par 1)(Rev.1):2010 & AIS : 037
5	Hydraulic brake hose <i>(if applicable)</i>	124	SO 436(E)	IS : 7079- 2008 & AIS : 037
6	Hydraulic brake fluid <i>(if applicable)</i>	124	SO 1365(E)	IS : 8654- 2001
8	Performance requirements for Lighting & Signaling devices	124	SO 6108(E)	AIS: 010 (Part 1)(Rev.1)- 2010, AIS: 010 (Part 3)(Rev.1)- 2010, & AIS : 037
9	Head lamp assembly (Glass lense) / (Plastic lense)	124		
10	Front / Rear Direction Indicator lamp assembly	124		
11	Front Parking lamp assembly	124		
12	Rear Registration Plate Lamp Assembly	124		
13	Rear Combination Lamp Assembly (with Stop/Tail, Direction Indicator lamps, Number plate lamp)	124		
14	Rear View Mirror Specifications	125	GSR 1192 (E)	AIS : 001 (Part 2) (Rev.1) :2011 & AIS : 037
15	Wheel rim	124	SO 1431(E)	AIS:073-2005 (Part1 to Part 3) & AIS : 037
16	Traction batteries used in BOV	124	SO 436(E)	AIS : 048-2008