| 2 Wheeler Battery Operated Vehicle (BOV) | | | |
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| CMVR Type Approval - Vehicle level Tests | | | |
| **Sr. No.** | **Tests** | **CMV Rule No.** | **Reference** |
| 1 | Photographs | --- | ARAI Procedure |
| 2 | Vehicle weighment | 95 | IS : 11825 |
| 3 | CMVR physical verification | 93 to 125 | CMVR, 1989 |
| 4 | Coast down test *(manufacturers option)* | 115 | ARAI Procedure |
| 5 | Brake test (Moped, Motorcycle & Scooter) | 96 (4) | IS : 14664 |
| 6 | Speedometer calibration | 117 (1) (2) | IS : 11827 |
| 7 | Pass by noise measurement | 120 (2) | IS : 3028 |
| 8 | Tell-Tales and Indicators | 124 (18) | AIS : 071(Part 1,2) |
| 9 | Gradeability | 124 (23) | AIS : 003 |
| 10 | Horn Installation | 119(1) | AIS : 014 |
| 11 | Rear View Mirror Installation | 125(2) | AIS:002 |
| 12 | Installation requirements for Lighting & Signaling devices | 124(24) | AIS : 009 |
| 13 | Pillion hand hold | 123 | IS:14495 |
| 14 | Range test | 124 (1) 28 | AIS : 040 |
| 15 | Measurement of Max power and 30 min power | 124 (1) 29 | AIS : 041 |
| 16 a | Electromagnetic radiation of motor vehicle | 124 (21) (i) | AIS : 004 (Part 1) |
| 16 b | Electromagnetic compatibility of motor vehicle ( 1st oct 2013) | 124 (21) (ii) | AIS : 004 (Part 3) |
| 17 | Constructional , Functional Safety tests | 124(1)26 (a) | AIS : 038 |
| 18 | Measurement of Electric Energy test | 124 (1) 27 | AIS : 039 |
| 19 | Protective Device against unauthorised use | 124 (44) | AIS : 074 |
| 20 | Definitions (Classification of the Vehicle) – L2 | GSR 784 2 (ii) | AIS : 053 |
| 21 | Vehicle identification number including month and year of manufactu | 122(1) | AIS : 065 |
| 22 | Spray Suppression system | 124 (48) | AIS : 103 |
| 23 | Traction batteries used in battery operated vehicles | 124 (49) | AIS : 048 |
| Note : | | | |
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| 2 Wheeler (Battery Operated Vehicle (BOV)) safety component level tests | | | |
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| **Sr. No.** | **Tests** | **CMV Rule No.** | **Reference Standard** |
| 1 | Size and Ply rating of tyres | 95 (1) | IS:15627 & AIS : 037 |
| 2 | Reflector | 104 (4) | AIS : 057 |
| 3 | Horn | 119 (1) | IS : 1884 & AIS : 037 |
| 4 | Automotive lamps (bulbs) (Single/ Double Filament ) | 124 (1) | AIS : 034 |
| 5 | Hydraulic brake hose *(if applicable)* | 124 (2) | IS : 7079 & AIS : 037 |
| 6 | Hydraulic brake fluid *(if applicable)* | 124 (3) | IS : 8654 |
| 7 | Control cable *(engine CC < 50)* | 124 (9) | IS : 10791 |
| 8 | Performance requirements for Lighting & Signalling devices | 124 (32) | AIS : 010 & AIS : 037 |
| | Head lamp assembly (Glass lense) / (Plastic lense) | 124 (32) | AIS : 010 & AIS : 037 |
| | Front / Rear Direction Indicator lamp assembly | 124 (32) | AIS : 010 & AIS : 037 |
| | Front Parking lamp assembly | 124 (32) | AIS : 010 & AIS : 037 |
| | Rear Registration Plate Lamp Assembly | 124 (32) | AIS : 010 & AIS : 037 |
| | Rear Combination Lamp Assembly (with Stop/Tail, Direction Indicator lamps, Number plate lamp) | 124 (32) | AIS : 010 & AIS : 037 |
| 9 | Rear View Mirror Specifications | 125(2) | AIS : 001 & AIS : 037 |
| 10 | Wheel rims | 124 (43) | AIS:073 |
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