**DETAILED TECHNICAL SPECIFICATIONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| INFORMATION RELATING JOINTLY TO L1, L2, L5 and L7 CATEGORY BATTERY OPERATED VEHICLES (2 AND 3 WHEELERS including Quadricycle) | | | | | | |
| 0 | General | | | |  | |
| 0.1 | Make | | | |  | |
| 0.2 | Vehicle model and its variant(s) | | | |  | |
| 0.3 | Means of type identification if stated on vehicle | | | |  | |
| 0.4 | Location of that means of identification | | | |  | |
| 0.5 | Vehicle category (IS 14272) | | | |  | |
| 0.6 | "Name and address of manufacturer with contact persons’ name | | | |  | |
| 0.7 | Name(s) and address (es) of assembly plants | | | |  | |
| 0.8 | Name and address of the vehicle importer | | | |  | |
| 0.9 | Name and address of manufacturer's authorized representative. if any | | | |  | |
| 0.1 | Method of inscription of VIN on the chassis | | | |  | |
| 0.11 | The serial numbering (of production vehicles) of the type begins with No | | | |  | |
| 0.12 | Position and method of affixing the component type-approval mark for components and separate technical units | | | |  | |
| 1 | General arrangement of the vehicle | | | |  | |
| 1.1 | Photos and/or drawings of a typical vehicle | | | |  | |
| 1.2 | "Drawing of the complete vehicle indicating overall length | | | |  | |
| 1.3 | Wheelbase | | | |  | |
| 1.4 | Number of axles and wheels (where appropriate. number of crawler tracks or belts): | | | |  | |
| 1.5 | Position and arrangement of engine | | | |  | |
| 1.6 | Number of seating positions | | | |  | |
| 1.7 | Type of Fuel | | | |  | |
| 1.8 | Weights (in kg) | | | |  | |
| 1.9 | Vehicle kerb weight(9) | | | |  | |
| 1.10 | Distribution of that weight between the axles | | | |  | |
| 1.11 | Reference weight | | | |  | |
| 1.12 | Gross Vehicle Weight | | | |  | |
| 1.13 | Division of that weight between the axles | | | |  | |
| 1.14 | Maximum technically permissible weight (maximum permissible axle weight) on each of the axles | | | |  | |
| 1.15 | Front Axle | | | |  | |
| 1.16 | Rear Axle | | | |  | |
| 1.17 | Maximum hill-starting ability (Gradeability) at the maximum technically permissible mass declared by the manufacturer | | | |  | |
| 2 | Type (state any possible variants and versions: each variant and each version must be identified by a code consisting of numbers or a combination of letters and numbers) | | | |  | |
| 2.1 | Commercial name (s) | | | |  | |
| 3 | Transmission(8) | | | |  | |
| 3.1. | Diagram of transmission system | | | |  | |
| 3.2. | "Type (mechanical | | | |  | |
| 3.3. | Clutch (type) | | | |  | |
| 3.4. | Gearbox | | | |  | |
| 3.4.1. | Type: automatic/manual(1) | | | |  | |
| 3.4.2. | Method of selection: by hand/foot(1) | | | |  | |
| 3.4.2.1 | Gear shifting pattern | | | |  | |
| 3.4.3. | Gear ratios | | | |  | |
| 3.4.3.1 | Primary ratio | | | |  | |
| 3.4.3.2 | Secondary ratio | | | |  | |
| 3.4.3.3 | Individual and Overall ratios | | | |  | |
| 3.4.3.3.1 | First gear | | | |  | |
| 3.4.3.3.2 | Second gear | | | |  | |
| 3.4.3.3.3 | Third gear | | | |  | |
| 3.4.3.3.4 | Fourth gear | | | |  | |
| 3.4.3.3.5 | Fifth gear | | | |  | |
| 3.4.3.3.6 | Sixth gear | | | |  | |
| 3.4.3.4 | Minimum continuously Variable transmission | | | |  | |
| 3.4.3.5 | Maximum continuously | | | |  | |
|  | Variable transmission | | | |  | |
| 3.4.3.6 | Reverse Gear | | | |  | |
| 3.5. | Brief description of the ECUs used in the transmission | | | |  | |
| 3.6. | Maximum speed of vehicle and gear in which it is reached (in km/h)(9) | | | |  | |
| 3.7. | Speedometer | | | |  | |
| 3.7.1 | Make(s) | | | |  | |
| 3.7.2. | Type(s) | | | |  | |
| 3.7.3. | Photographs and/or drawings of the complete system | | | |  | |
| 3.7.4. | Speed range displayed | | | |  | |
| 3.7.4.1. | Major marking | | | |  | |
| 3.7.4.2. | Minor marking | | | |  | |
| 3.7.5. | Tolerance of the measuring mechanism of the speedometer | | | |  | |
| 3.7.6. | Technical constant of the speedometer (speedometer ratio) | | | |  | |
| 3.7.7. | Method of operation and description of the drive mechanism | | | |  | |
| 3.7.8. | Overall transmission ratio of the drive mechanism or pulse / wheel revolution (in case of digital speedometer) | | | |  | |
| 4 | Suspension | | | |  | |
| 4.1 | Drawing of suspension arrangement | | | |  | |
| 4.1.1. | Brief description of the ECUs used in the suspension | | | |  | |
| 4.1.2 | Springs front and rear | | | |  | |
| 4.1.3 | Anti-roll bar | | | |  | |
| 4.1.4 | Shock Absorbers front and rear | | | |  | |
| 4.2. | "Tyres (standard type): (Enclose annexure if required)" | | | |  | |
|  |  | | | |  | |
| Tyre | Variant / version | Type | Size designation with speed category symbol and load capacity index | Make (s) | Type Approval Number or BIS license number or identification | Dynamic Rolling Radius |
| Front |  |  |  |  |  |  |
| Rear |  |  |  |  |  |  |
| Any Other |  |  |  |  |  |  |
| 4.2.1 | Tyre pressures recommended by the manufacturer: | | | |  | |
| 4.2.1.1 | Laden (kg/cm2 / kPa / psi) | | | |  | |
| 4.2.1.2 | Unladen (with driver) ( kg/cm2 / kPa / psi) | | | |  | |
| 4.2.2 | Tyre/wheel (rim) combinations | | | |  | |
| 4.2.3 | Minimum-speed category symbol compatible with the theoretical maximum design speed of the vehicle | | | |  | |
| 4.2.4 | Minimum load-capacity index with the maximum load on each tyre: | | | |  | |
| 4.2.5 | Categories of use compatible for the vehicle | | | |  | |
| 4.3 | Front wheel Rim | | | |  | |
| 4.3.1 | Make | | | |  | |
| 4.3.2 | BIS license number | | | |  | |
| 4.3.20 | Part Number of of wheelrim supplier | | | |  | |
| 4.3.3 | Size | | | |  | |
| 4.3.4 | Type (Alloy / Sheet metal / spoke) | | | |  | |
| 4.4 | Rear wheel Rim | | | |  | |
| 4.4.1 | Make | | | |  | |
| 4.4.2 | BIS license number | | | |  | |
| 4.4.3 | Part Number of wheelrim supplier | | | |  | |
| 4.4.4 | Size | | | |  | |
| 4.4.5 | Type (Alloy / Sheet metal / spoke) | | | |  | |
| 5 | Steering | | | |  | |
| 5.1 | Steering gear and control | | | |  | |
| 5.1.1 | Type of steering control(handle bar/wheel) | | | |  | |
| 5.1.2 | Location of Steering Wheel ( centre / offset ) | | | |  | |
| 5.1.3 | Type of steering gear (Re-circulating ball /Worm & Roller / Rack & Pinion / others) | | | |  | |
| 5.1.3.1 | Make | | | |  | |
| 5.1.3.2 | Steering gear ratio | | | |  | |
| 5.1.3.3 | Maximum No. of rotation of steering wheel from lock to lock | | | |  | |
| 5.1.4 | Brief description of the ECUs used in the steering system | | | |  | |
| 6 | Braking | | | |  | |
| 6.1 | Diagram of braking devices (Schematic Layout of Brake system) | | | |  | |
| 6.1.1 | Make of Brake system | | | |  | |
| 6.1.2 | Type of Brake system (CBS/SSBS/Independent) | | | |  | |
| 6.2 | "Front and rear brakes | | | |  | |
| 6.2.1. | Make(s) | | | |  | |
| 6.2.2. | Type(s) ( Hydraulic / Mechanical / Other) | | | |  | |
| 6.3 | Parts of the brake system | | | |  | |
| 6.3.1 | Shoes and/or pads (1) | | | |  | |
| 6.3.2 | "Linings and/or pads (Indicate make | | | |  | |
| 6.3.3 | Brake levers and/or pedals(1) | | | |  | |
| 6.3.4 | Hydraulic reservoirs (where applicable) | | | |  | |
| 6.3.5 | Front and rear pad/liner dimensions | | | |  | |
| 6.3.6 | Front and rear braking area | | | |  | |
| 6.3.7 | Diameter of front and rear disc or drum | | | |  | |
| 6.3.8 | ABS (Yes/No) | | | |  | |
| 6.3.8.1 | Directly controlled wheels (Front or rear) | | | |  | |
| 6.3.8.2 | Sensors (Make )(front /Rear) | | | |  | |
| 6.3.8.2.1 | Identification number(ID) / Part No./Drawing No. | | | |  | |
| 6.3.8.3 | Make of modulator(front /rear) | | | |  | |
| 6.3.8.3.1 | Identification number(ID) / Part No./Drawing No. | | | |  | |
| 6.3.8.4 | Make of ABS ECU | | | |  | |
| 6.3.8.4.1 | Make of controller | | | |  | |
| 6.3.8.5 | Identification number(ID) / Part No./Drawing No. | | | |  | |
| 6.4 | "Other devices (parking brake | | | |  | |
| 6.5 | Brief description of the ECUs used in the braking system | | | |  | |
| 6.6 | Brake hose – make(s) | | | |  | |
| 6.6.1 | TAC No / Part No of brake hose assembly | | | |  | |
| 6.7 | Brake Fluid | | | |  | |
| 6.7.1 | make(s) | | | |  | |
| 6.7.2 | Type of brake fluid as per IS / FMVSS | | | |  | |
| 6.8 | Control cables (in case of 2 wheelers below 50cc) | | | |  | |
| 6.8.1 | Make | | | |  | |
| 6.8.2 | Cable Diameter | | | |  | |
| 6.9 | Type (drum/disc/leading/trailing) | | | |  | |
| 6.9.1 | Front | | | |  | |
| 6.9.2 | Rear | | | |  | |
| 6.9.3 | Other | | | |  | |
| 6.1 | Service Control System (Operated by Hand/Foot) | | | |  | |
| 6.10.1 | Front | | | |  | |
| 6.10.2 | Rear | | | |  | |
| 6.10.3 | Combined | | | |  | |
| 6.10.4 | "Free play of control | | | |  | |
| 6.10.4.1 | Front | | | |  | |
| 6.10.4.2 | Rear | | | |  | |
| 6.10.4.3 | Combined | | | |  | |
| 6.11 | Brake Pedal ratio | | | |  | |
| 6.12 | Hand Lever Ratio | | | |  | |
| 6.13 | "Nominal Size of master cylinder (Dia. & stroke) | | | |  | |
| 6.14 | "Nominal size of Wheel cylinder (Dia.) | | | |  | |
| 6.14.1 | Front | | | |  | |
| 6.14.2 | Rear | | | |  | |
| 6.14.3 | Make of wheel cylinders | | | |  | |
| 6.15 | Parking Brake | | | |  | |
| 6.15.1 | Braking Wheel | | | |  | |
| 6.15.2 | Type | | | |  | |
| 6.15.3 | Control (operated by hand/foot) | | | |  | |
| 6.15.4 | Locking device | | | |  | |
| 6.16 | In case of vehicles fitted with electrical regenerative braking system | | | |  | |
| 6.16.1 | Type (Type A / Type B) | | | |  | |
| 6.16.2 | "If Type A is there a separate control for activating regenerative braking" | | | |  | |
| 7 | Lighting and light-signaling devices | | | |  | |
| 7.1 | "List of all devices (Enclose annexure | | | |  | |
| 7.1.1 | Head lamp | | | |  | |
| 7.1.1.1 | Main beam | | | |  | |
| 7.1.1.1.1 | Make | | | |  | |
| 7.1.1.1.2 | Type of lens (Glass / Plastic) | | | |  | |
| 7.1.1.1.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.1.1.4 | Number and Colour of light | | | |  | |
| 7.1.1.2 | Dipped beam | | | |  | |
| 7.1.1.2.1 | Make | | | |  | |
| 7.1.1.2.2 | Type of lens (Glass / Plastic) | | | |  | |
| 7.1.1.2.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.1.2.4 | Number and Colour of light | | | |  | |
| 7.1.2 | Position lamp / Parking Lamp – Front | | | |  | |
| 7.1.2.1 | Front Position Lamp | | | |  | |
| 7.1.2.1.1 | Make | | | |  | |
| 7.1.2.1.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.2.1.3 | Number and Colour of light | | | |  | |
| 7.1.2.2 | Front Parking Lamp | | | |  | |
| 7.1.2.2.1 | Make | | | |  | |
| 7.1.2.2.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.2.2.3 | Number and Colour of light | | | |  | |
| 7.1.3 | Stop lamp (S1 / S2) | | | |  | |
| 7.1.3.1 | Make | | | |  | |
| 7.1.3.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.3.3 | Number and Colour of light | | | |  | |
| 7.1.4 | Registration Plate lamp | | | |  | |
| 7.1.4.1 | Make | | | |  | |
| 7.1.4.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.4.3 | Number and Colour of light | | | |  | |
| 7.1.5 | Direction indicator Lamp | | | |  | |
| 7.1.5.1 | Front | | | |  | |
| 7.1.5.1.1 | Make | | | |  | |
| 7.1.5.1.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.5.1.3 | Number and Colour of light | | | |  | |
| 7.1.5.2 | Rear | | | |  | |
| 7.1.5.2.1 | Make | | | |  | |
| 7.1.5.2.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.5.2.3 | Number and Colour of light | | | |  | |
| 7.1.5.3 | Side | | | |  | |
| 7.1.5.3.1 | Make | | | |  | |
| 7.1.5.3.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.5.3.3 | Number and Colour of light | | | |  | |
| 7.1.5.3.4 | Flasher for Direction Indicators | | | |  | |
| 7.1.5.3.5 | Flashing Frequency of direction indicator ( No of flashes / minute ) | | | |  | |
| 7.1.6 | Reversing lamp | | | |  | |
| 7.1.6.1 | Make | | | |  | |
| 7.1.6.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.6.3 | Number and Colour of light | | | |  | |
| 7.1.7 | Reflector | | | |  | |
| 7.1.7.1 | Front | | | |  | |
| 7.1.7.1.1 | Make | | | |  | |
| 7.1.7.1.2 | Type | | | |  | |
| 7.1.7.1.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.7.1.4 | Number and Colour of light | | | |  | |
| 7.1.7.1.5 | Reflective surface Area | | | |  | |
| 7.1.7.1.6 | Shape (Square / rectangular / circular / elliptical /other) | | | |  | |
| 7.1.7.2 | Rear | | | |  | |
| 7.1.7.2.1 | Make | | | |  | |
| 7.1.7.2.2 | Type | | | |  | |
| 7.1.7.2.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.7.2.4 | Number and Colour of light | | | |  | |
| 7.1.7.2.5 | Reflective surface Area | | | |  | |
| 7.1.7.2.6 | Shape (Square / rectangular / circular / elliptical /other) | | | |  | |
| 7.1.7.3 | Side (If fitted) | | | |  | |
| 7.1.7.3.1 | Make | | | |  | |
| 7.1.7.3.2 | Type | | | |  | |
| 7.1.7.3.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.7.3.4 | Number and Colour of light | | | |  | |
| 7.1.7.3.5 | Reflective surface Area | | | |  | |
| 7.1.7.3.6 | Shape (Square / rectangular / circular / elliptical /other) | | | |  | |
| 7.1.8 | Hazard warning signal | | | |  | |
| 7.1.8.1 | Front | | | |  | |
| 7.1.8.1.1 | Make | | | |  | |
| 7.1.8.1.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.8.1.3 | Number and Colour of light | | | |  | |
| 7.1.8.2 | Rear | | | |  | |
| 7.1.8.2.1 | Make | | | |  | |
| 7.1.8.2.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.8.2.3 | Number and Colour of light | | | |  | |
| 7.1.8.3 | Side | | | |  | |
| 7.1.8.3.1 | Make | | | |  | |
| 7.1.8.3.2 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.1.8.3.3 | Number and Colour of light | | | |  | |
| 7.1.9 | Maximum intensity of Head lamp | | | |  | |
| 7.2 | Diagram showing the location of the lighting and light-signaling devices on vehicle with relevant dimensions (see AIS-009) | | | |  | |
| 7.3 | Additional requirements relating to special vehicles | | | |  | |
| 7.4 | Brief description of the ECUs used in the lighting system and in the light-signaling system | | | |  | |
| 7.5 | "List of all bulbs (Enclose annexure | | | |  | |
| 7.5 | "List of all bulbs (Enclose annexure | | | |  | |
| 7.5.1 | Head lamp bulb (main beam) | | | |  | |
| 7.5.1.1 | Make | | | |  | |
| 7.5.1.2 | Category as per AIS-034 | | | |  | |
| 7.5.1.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.5.2 | Head lamp bulb (Dipped beam) | | | |  | |
| 7.5.2.1 | Make | | | |  | |
| 7.5.2.2 | Category as per AIS-034 | | | |  | |
| 7.5.2.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.5.3 | Front Position Lamp bulb | | | |  | |
| 7.5.3.1 | Make | | | |  | |
| 7.5.3.2 | Category as per AIS-034 | | | |  | |
| 7.5.3.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.5.4 | Stop lamp bulb | | | |  | |
| 7.5.4.1 | Make | | | |  | |
| 7.5.4.2 | Category as per AIS-034 | | | |  | |
| 7.5.4.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.5.5 | Number plate lamp bulb | | | |  | |
| 7.5.5.1 | Make | | | |  | |
| 7.5.5.2 | Category as per AIS-034 | | | |  | |
| 7.5.5.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.5.6 | Direction indicator lamp bulb - front | | | |  | |
| 7.5.6.1 | Make | | | |  | |
| 7.5.6.2 | Category as per AIS-034 | | | |  | |
| 7.5.6.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.5.7 | Direction indicator lamp bulb - rear | | | |  | |
| 7.5.7.1 | Make | | | |  | |
| 7.5.7.2 | Category as per AIS-034 | | | |  | |
| 7.5.7.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.5.7.4 | Flasher for Direction Indicators | | | |  | |
| 7.5.7.5 | Flashing Frequency of direction indicator ( No of flashes / minute ) | | | |  | |
| 7.5.8 | Parking Lamp bulb – Front | | | |  | |
| 7.5.8.1 | Make | | | |  | |
| 7.5.8.2 | Category as per AIS-034 | | | |  | |
| 7.5.8.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.5.9 | Parking Lamp bulb – Rear | | | |  | |
| 7.5.9.1 | Make | | | |  | |
| 7.5.9.2 | Category as per AIS-034 | | | |  | |
| 7.5.9.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.5.10 | Reversing lamp bulb | | | |  | |
| 7.5.10.1 | Make | | | |  | |
| 7.5.10.2 | Category as per AIS-034 | | | |  | |
| 7.5.10.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 7.5.11 | Hazard warning lamp | | | |  | |
| 7.5.11.1 | Make | | | |  | |
| 7.5.11.2 | Category as per AIS-034 | | | |  | |
| 7.5.11.3 | Identification: TAC No. / BIS License No. / E- Marking | | | |  | |
| 8 | Equipment | | | |  | |
| 8.1 | Coupling devices (where applicable) | | | |  | |
| 8.1.1 | Type: hook/ring/other(1) | | | |  | |
| 8.1.2 | Photograph and/or drawings showing the position and the construction of the coupling devices | | | |  | |
| 8.2 | "Control Locations and Identification (Please specify location | | | |  | |
| 8.2.1 | Supplemental engine stop | | | |  | |
| 8.2.2 | Ignition Switch | | | |  | |
| 8.2.3 | Electric Starter | | | |  | |
| 8.2.4 | Manual Choke | | | |  | |
| 8.2.5 | Fuel Tank Shutoff Valve | | | |  | |
| 8.2.6 | Audible warning device | | | |  | |
| 8.2.7 | Head lamp Driving / Passing beam | | | |  | |
| 8.2.8 | Optical warning device | | | |  | |
| 8.2.9 | Fog Lamps - Front | | | |  | |
| 8.2.10 | Fog Lamps - Rear | | | |  | |
| 8.2.11 | Direction indicators | | | |  | |
| 8.2.12 | Hazard warning signal | | | |  | |
| 8.2.13 | Position Lamp | | | |  | |
| 8.2.14 | Master lamp | | | |  | |
| 8.2.15 | Parking Lamp | | | |  | |
| 8.2.16 | Engine speed control | | | |  | |
| 8.2.17 | Front wheel brake | | | |  | |
| 8.2.18 | Foot rear wheel brakes control | | | |  | |
| 8.2.19 | Hand rear wheel brake control | | | |  | |
| 8.2.20 | Parking brake | | | |  | |
| 8.2.21 | Clutch | | | |  | |
| 8.2.22 | Foot selector Manual gear shift Control | | | |  | |
| 8.2.23 | Hand Selector Manual gear shift Control | | | |  | |
| 8.2.24 | Any other control | | | |  | |
| 8.2.25 | Tell-tales | | | |  | |
| 8.2.25.1 | Manual Choke | | | |  | |
| 8.2.25.2 | Neutral – (Gearbox Selection) | | | |  | |
| 8.2.25.3 | Head lamp Driving beam | | | |  | |
| 8.2.25.4 | Head lamp Passing beam | | | |  | |
| 8.2.25.5 | Fog Lamps - Front | | | |  | |
| 8.2.25.6 | Fog Lamps - Rear | | | |  | |
| 8.2.25.7 | Direction indicators | | | |  | |
| 8.2.25.8 | Hazard warning signal | | | |  | |
| 8.2.25.9 | Position Lamp | | | |  | |
| 8.2.25.10 | Master lamp | | | |  | |
| 8.2.25.11 | Parking Lamp | | | |  | |
| 8.2.25.12 | Fuel indicator | | | |  | |
| 8.2.25.13 | Engine coolant temperature | | | |  | |
| 8.2.25.14 | Electrical Charging | | | |  | |
| 8.2.25.15 | Engine Oil | | | |  | |
| 8.2.25.16 | Anti-lock Brake System Malfunction | | | |  | |
| 8.2.25.17 | Malfunction Indicator Lamp | | | |  | |
| 8.2.25.18 | Any other tell-tale | | | |  | |
| 8.2.26 | Indicators | | | |  | |
| 8.2.26.1 | Speedometer | | | |  | |
| 8.2.26.2 | Fuel Indicator | | | |  | |
| 8.2.26.3 | Engine coolant temperature | | | |  | |
| 8.2.26.4 | Electrical Charging | | | |  | |
| 8.2.26.5 | Engine Oil | | | |  | |
| 8.2.26.6 | Any other Indicator | | | |  | |
| 8.3 | Statutory inscriptions | | | |  | |
| 8.3.1 | Photographs and/or drawings showing the location of VIN. | | | |  | |
| 8.3.2 | Height of VIN characters. | | | |  | |
| 8.4 | Device(s) to protect against unauthorized use | | | |  | |
| 8.4.1 | Type of device(s) as per AIS-074 | | | |  | |
| 8.4.1.1 | Make(s) | | | |  | |
| 8.5 | Audible warning device(s) | | | |  | |
| 8.5.1 | Make(s) | | | |  | |
| 8.5.2 | Type(s) | | | |  | |
| 8.5.2.1 | Operating voltage | | | |  | |
| 8.5.2.2 | Nos of audible warning devices installed | | | |  | |
| 8.5.3 | "TAC No. / BIS license number/ ""E"" marking" | | | |  | |
| 8.5.4 | Drawing(s) showing the location of the audible warning device(s) in relation to the structure of the vehicle | | | |  | |
| 8.5.5 | Dimensional & material Details of the part in front of the Horn(s) which may obstruct audibility | | | |  | |
| 9 | Rear-view mirrors (please provide the following information for each rear-view mirror) | | | |  | |
| 9.1 | Make (s) | | | |  | |
| 9.1.1 | Type Approval Number / E- marking / BIS License No. | | | |  | |
| 9.2 | Class of the Mirror as per AIS-002 | | | |  | |
| 9.3 | Drawing(s) showing the location & Installation Dimension Details of the rear-view mirror(s) in relation to the structure of the vehicle | | | |  | |
| 9.4 | "Precise information concerning the type of attachment | | | |  | |
| 10 | Provision for Devices for pillion rider and/or passenger(s) | | | |  | |
| 10.1 | Nos of Handholds for pillion Rider in case of 2 Wheeler | | | |  | |
| 10.1.1 | Type: strap and/or handle(1) | | | |  | |
| 10.1.2 | Drawings showing dimensional and material details of strap / handhold(s) and its fixing / bolting details | | | |  | |
| 10.1.3 | Nos. of Handholds for passenger(s) in case of 3 Wheeler | | | |  | |
| 10.2 | Foot rest for rider and pillion | | | |  | |
| 10.3 | Protective device covering half of the rear wheel.(as applicable) along with Schematic drawing. | | | |  | |
| 11 | Spray suppression device (as applicable) | | | |  | |
| 11.1 | "Diagram showing general arrangement of spray suppression system | | | |  | |
| 11.2 | Tyre Overall Width (Maximum of variants and tyre makes) | | | |  | |
| 12 | List of Electrical/Electronic Systems which are not previously listed | | | |  | |
| 12.1 | "List of all subassemblies | | | |  | |
| 12.1.1 | Device Name | | | |  | |
| 12.1.2 | Make | | | |  | |
| 12.1.3 | Identification number(ID) / Part No./Drawing No. | | | |  | |
| 12.2 | "List of all Electrical components | | | |  | |
| 12.2.1 | Device Name | | | |  | |
| 12.2.2 | Make | | | |  | |
| 12.2.3 | Identification number(ID) / Part No./Drawing No. | | | |  | |
| 13 | Type of stand (Centre/Prop/both) | | | |  | |
| 13.1 | Number of Stands | | | |  | |
| 13.2 | Retention Mechanism (one spring/two spring/ one spring with separate retention system) | | | |  | |
| 13.3 | In the case of spring used in 5.2.5.2.2 of AIS-146 | | | |  | |
| 13.3.1 | Wire Diameter (mm) | | | |  | |
| 13.3.2 | Free length of the spring (mm) | | | |  | |
| 13.3.3 | Outer Coil diameter (mm) | | | |  | |
| 13.3.4 | Assembled length in “in-use position” (mm) | | | |  | |
| 13.3.5 | Assembled length in “not-in-use position” (mm) | | | |  | |
| 13.3.6 | Spring Material | | | |  | |
| 13.4 | "Drawing related to the stand installation showing minimum details given below | | | |  | |
|  | - Distance of median lateral plane from Front axle | | | |  | |
|  | - Location of installation of Prop stand (side stand) and Center stand from front axle | | | |  | |
|  | Angle between vehicle longitudinal median plane and prop stand in-use position | | | |  | |
| 15.2 | Details of compliance as per AIS-120 mentioned in Clause 5.1.1 of AIS-147. | | | |  | |
| 15.3 | Details of Guard as specified in clause 3.8 of AIS-147 | | | |  | |
| 15.3.1 | Material used | | | |  | |
| 15.3.2 | Width of the Guard (from body | | | |  | |
|  | frame to extreme end laterally) | | | |  | |
| 16 | Information of Foot rests as per AIS-148 (Only for L1 & L2) | | | |  | |
|  | Type of Footrest (Footrest / Floor / Floorboards) | | | |  | |
| 17 | Photographs or drawings showing the location and the construction of Foot rests | | | |  | |
| 18 | Firefighting System (if fitted) | | | |  | |
| 18.1 | Make | | | |  | |
| 18.2 | Weight | | | |  | |
| 18.3 | Schematic representation indicating the arrangement and position | | | |  | |
| 18.4 | Details of the alterations done on original vehicle (separate Annexure can be enclosed) | | | |  | |
| 18.5 | Photograph of vehicle with firefighting system | | | |  | |
| 19 | Any other feature manufacturer desires to declare | | | |  | |
|  |  | | | |  | |

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| INFORMATION RELATING SOLELY TO L5 CATEGORY BATTERY OPERATED VEHICLES | | | | | | |
| 1 | "Dimensions and weights (in mm and kg) (where necessary refer to drawings)" | | | |  | |
| 1.1. | Dimensions to be complied with when building un-bodied chassis | | | |  | |
| 1.1.1. | Length | | | |  | |
| 1.1.2. | Width | | | |  | |
| 1.1.3. | Unladen height | | | |  | |
| 1.1.4. | Front overhang | | | |  | |
| 1.1.5. | Rear overhang | | | |  | |
| 1.2. | Weights | | | |  | |
| 1.2.1. | Maximum payload declared by manufacturer | | | |  | |
| 2 | Equipment | | | |  | |
| 2.1 | Windscreen and other glazing | | | |  | |
| 2.1.1. | Windscreen | | | |  | |
| 2.1.1.1 | Make | | | |  | |
| 2.1.1.2 | Type Approval Number/E-marking / BIS license number: | | | |  | |
| 2.1.2 | Other glazing | | | |  | |
| 2.1.2.1 | Make and Materials used | | | |  | |
| 2.1.2.2 | Type Approval Number/E-marking / BIS license number: | | | |  | |
| 2.2 | Windscreen wiper(s) | | | |  | |
| 2.2.1 | Detailed technical description : Layout including location of "R" Point "H" Point and related dimensions of wiping area and related dimensions of wiper arm(s) and co-ordinates of mounting (see AIS-045) | | | |  | |
| 2.3 | Seats | | | |  | |
| 2.3.1 | Number | | | |  | |
| 2.3.2 | Location | | | |  | |
| 2.3.3 | Coordinates or drawing of the R point declared by manufacturer | | | |  | |
| 2.3.3.1 | Driving seat | | | |  | |
| 2.3.4 | Intended seat-back inclination | | | |  | |
| 2.3.4.1 | Driving seat | | | |  | |
| 3 | Seat dimensions | | | |  | |
| 3.1 | Driver seat | | | |  | |
| 3.1.1 | Width mm (minimum width | | | |  | |
| 3.2.2 | Width mm (minimum width | | | |  | |
| 3.2 | Passenger seat | | | |  | |
| 3.2.1 | Seat type (separate / bench) | | | |  | |
| 3.2.2 | Width mm | | | |  | |
| 3.2.3 | Depth mm | | | |  | |
| 4 | General layout of the door structure for passenger compartment with a dimension of door top edge from adjacent passenger seat cushion top surface. | | | |  | |
| 5 | "Passengers Leg space dimension mm" | | | |  | |
| 6 | Headlamp | | | |  | |
|  | as already mentioned in clause of 7.5 (Table) | | | |  | |
| 6.1 | Filament lamp category for headlamp | | | |  | |
| 7 | "Seat base height | | | |  | |
| 7.1 | Driver seat | | | |  | |
| 7.2 | Passenger seat | | | |  | |
| 8 | "Seat back dimensions | | | |  | |
| 8.1 | Seat back upper edge height from H point: | | | |  | |
| 8.1.1 | Driver seat | | | |  | |
| 8.1.2 | Passenger seat | | | |  | |
| 8.2 | Seat back height: | | | |  | |
| 8.2.1 | Driver seat | | | |  | |
| 8.2.2 | Passenger seat | | | |  | |
| 9 | Free height over seating position (Head Room) from H point mmTRUE | | | |  | |
| 9.1 | Driver seat | | | |  | |
| 9.2 | Passenger seat | | | |  | |
| 10 | Provision for rear entry if provided) : | | | |  | |
| 10.1 | Climbing step dimensions mm | | | |  | |
| 10.1.1 | Maximum height from ground | | | |  | |
| 10.1.2 | Width of step | | | |  | |
| 10.1.3 | Depth of step | | | |  | |
| 10.1.4 | Protective structure top edge height from adjacent seat base top surface mm | | | |  | |

**Footnotes: -**

1. State as appropriate
2. Where a device has been component type-approved, the description may be replaced by a reference to that component type-approval. Likewise, no description is needed where a component's structure is clear from the diagrams or drawings attached to the certificate. State the numbers of the corresponding Annexes for each heading where photographs and drawings must be attached.  
   Where used, means of identification may appear only on vehicles, separate technical units or components falling within the scope of the AIS / IS governing components type-approval.
3. Classification in accordance with AIS-053.
4. Maximum payload declared by the manufacturer: - load obtained by subtracting the weight defined in 2.2, from the mass defined in 2.3.
5. The mass of the rider is taken to be a round figure of 75 kg.
6. This figure should be to the nearest tenth of a millimeter.
7. This value should be calculated with pi = 3,1416 to the nearest cmX3
8. The information requested should be supplied for a possible variant.
9. A tolerance of 5 % is permitted provided that the limit values pursuant to AIS-017 are not exceeded.
10. Where unconventional engines and systems are fitted, information equivalent to that referred under this heading must be supplied by their manufacturer.
11. In case of CNG / LPG vehicles the additional details in Table 21 format shall be applicable. In case BOV, additional details as per table 13 shall be applicable

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| INFORMATION RELATING SOLELY TO L7 CATEGORY BATTERY OPERATED VEHICLES | | | | | | |
| 1 | Weights | |  | |  |
| 1.1. | Maximum payload declared by manufacturer | |  | |  |
| 2 | Equipment’s | |  | |  |
| 2.1 | Windscreen and other glazing | |  | |  |
| 2.1.1. | Windscreen | |  | |  |
| 2.1.1.1 | Make | |  | |  |
| 2.1.1.2 | Thickness of Glass | |  | |  |
| 2.1.2 | Other glazing | |  | |  |
| 2.1.2.1 | Make | |  | |  |
| 2.1.2.2 | Thickness of Glass | |  | |  |
| 2.2 | Windscreen wiper(s) | |  | |  |
| 2.2.1 | No. of wipers | |  | |  |
| 2.3 | Wiper motor | |  | |  |
| 2.3.1 | Make | |  | |  |
| 2.3.2 | Type | |  | |  |
| 2.3.3 | Identification Mark | |  | |  |
| 2.3.4 | Rated Voltage | |  | |  |
| 2.3.5 | Number of sweep frequencies | |  | |  |
| 2.3.6 | Highest sweep frequency(Cycles/Min) | |  | |  |
| 2.3.7 | Lowest sweep frequency(Cycles/Min) | |  | |  |
| 2.4 | Wiper arm | |  | |  |
| 2.4.1 | Length | |  | |  |
| 2.5 | Wiper blade | |  | |  |
| 2.5.1 | Make | |  | |  |
| 2.5.2 | Length | |  | |  |
| 2.6 | "Detailed technical description : Layout including location of ""R"" Point ""H' Point and related dimensions of wiping area and related dimensions of wiper arm(s) and co-ordinates of mounting (see AIS-045)" | |  | |  |
| 2.7 | Washer tank (If provided) | |  | |  |
| 2.7.1 | "Capacity | |  | |  |
| 2.7.2 | Nozzle(s) | |  | |  |
| 27.3 | No. Of Nozzles | |  | |  |
| 2.8 | Seats | |  | |  |
| 2.8.1 | Number(s) | |  | |  |
| 2.8.2 | Location | |  | |  |
| 2.8.3 | Coordinates or drawing of the R point declared by manufacturer | |  | |  |
| 2.8.3.1 | Driving seat | |  | |  |
| 2.8.4 | Intended seat-back inclination | |  | |  |
| 2.8.4.1 | Driving seat | |  | |  |
| 3 | "Seats | |  | |  |
| 3.1 | Make | |  | |  |
| 3.2 | "Brief description and drawings of the seat type its attachment fittings and its adjustment displacement and locking systems including the minimum distance between fitting points." | |  | |  |
| 3.3 | Position and arrangement of seats including seat layout. | |  | |  |
| 3.4 | Seats if any which incorporate a safety belt anchorage. | |  | |  |
| 3.5 | "Driver Seat and Front Passenger Seat drawings their anchorages on the vehicle the floor layout the adjustment and displacement system of the seats and their parts and their locking devices drawings showing ‘H point co-ordinates and seat anchorage co-ordinates with respect to reference point on vehicle" | |  | |  |
| 4 | Interior Fittings as per AIS-047 | |  | |  |
| 4.1 | Instrument Panel (Dash Board) | |  | |  |
| 4.2 | Make | |  | |  |
| 4.3 | Identification No. / Part No/Drawing No. | |  | |  |
| 4.4 | "Drawing showing the mounting details | |  | |  |
| 4.5 | "Additional details for interior fitting tests to be given (if test is already conducted this information need not be submitted)." | |  | |  |
| 4.6 | "Drawing of Instrument Panel Variants (With / without Airbag | |  | |  |
| 4.7 | Material used for instrument Panel | |  | |  |
| 4.8 | Drawings | |  | |  |
| 4.9 | Instrument Panel mounting (With hardware details) | |  | |  |
| 4.1 | ‘H’ point co-ordinates for each seating position | |  | |  |
| 4.11 | Cross sectional drawings for each projection more than 3.2 | |  | |  |
| 4.12 | Cross sectional Drawing of Gear shift lever | |  | |  |
| 4.13 | Drawing of Grab handle with cross section | |  | |  |
| 4.14 | Drawing of Sun visor with details of metal wire used | |  | |  |
| 4.15 | Drawing of lamp assembly mounted at roof | |  | |  |
| 4.16 | Drawing of Cigarrete lighter/ charging point | |  | |  |
| 4.17 | Any other fitment | |  | |  |
| 5 | Information on safety belt / restraint system : | |  | |  |
| 5.1 | Safety belt | |  | |  |
| 5.1.1 | Make of seat belt | |  | |  |
| 5.1.2 | Type and configuration | |  | |  |
| 5.1.3 | Identification No. / Part No. | |  | |  |
| 5.2 | Restraint system | |  | |  |
| 5.2.1 | Make | |  | |  |
| 5.2.2 | Type and configuration | |  | |  |
| 5.2.3 | Identification No. / Part No. | |  | |  |
| 5.2.4 | Drawings of the relevant parts of the vehicle structure and any seat anchorage reinforcements | |  | |  |
| 5.2.5 | "Drawings of the seat showing its structure adjustment system and fixing components | |  | |  |
| 5.2.6 | Drawing or photograph of the restraint system as installed. | |  | |  |
| 5.2.7 | Drawing showing the installation of belts on the vehicle. | |  | |  |
| 5.3 | Safety belts and / or other restraint systems : | |  | |  |
| 5.3.1 | Number and position of safety belts and restraint systems and seats on which they can be used | |  | |  |
|  | Row of Seat | Location\* | Type of seat belt | Variant (if applicable) | Belt adjustment device for height (indicate Yes/No/optional) |
|  | First row of seats | L |  |  |  |
|  |  | C |  |  |  |
|  |  | R |  |  |  |
|  | Second row of seats | L |  |  |  |
|  |  | C |  |  |  |
|  |  | R |  |  |  |
|  | The table may be extended as necessary for vehicles with more than two rows of seats there are more than three seats across the width of the vehicle. \*(L = left-hand side, R= right-hand side, C = centre) | | | | |
| 6 | Door Door locks and hinges : | |  | |  |
| 6.1 | Doors | |  | |  |
| 6.1.1 | No. of doors | |  | |  |
| 6.1.2 | Position and type of door | |  | |  |
| 6.1.3 | "Detailed drawing of the door including location of the door strengthening bars | |  | |  |
| 6.1.4 | Dimension from the top edge of the doors to adjacent seat base top surface; | |  | |  |
| 6.2 | Door lock / latch | |  | |  |
| 6.2.1 | Front | |  | |  |
| 6.2.1.1 | Make | |  | |  |
| 6.2.1.2 | Identification No. / Part No. | |  | |  |
| 6.2.2 | Rear | |  | |  |
| 6.2.2.1 | Make | |  | |  |
| 6.2.2.2 | Identification No. / Part No. | |  | |  |
| 6.3 | Door hinge | |  | |  |
| 6.3.1 | Front | |  | |  |
| 6.3.1.1 | Make | |  | |  |
| 6.3.1.2 | Identification No. / Part No. | |  | |  |
| 6.3.2 | Rear | |  | |  |
| 6.3.2.1 | Make | |  | |  |
| 6.3.2.2 | Identification No. / Part No. | |  | |  |
| 6.4 | Wheel Fastener(s) and Hub cap : | |  | |  |
| 6.4.1 | Wheel Nut (s) / Bolt (s) | |  | |  |
| 6.4.2 | Make | |  | |  |
| 6.4.3 | Size | |  | |  |
| 6.4.4 | No. per wheel | |  | |  |
| 6.4.5 | Tightening torque on vehicle (recommended by Vehicle Manufacturer ) | |  | |  |
| 6.4.6 | Detailed dimensional drawing along with material specifications | |  | |  |
| 6.5 | Wheel cap ( if provided ) | |  | |  |
| 6.5.1 | Detailed dimensional drawing along with press fit diameter as applicable | |  | |  |
| 6.6 | Hub cap | |  | |  |
| 6.6.1 | Make | |  | |  |
| 6.6.2 | Method of fitment (Press/bolted/others) | |  | |  |
| 6.6.3 | Brief dimensional drawing along with press fit diameter as applicable | |  | |  |
| 7 | Arrangement of foot controls as per AIS-035 (in case of L7-M) | |  | |  |
| 7.1 | "Distance between the contour points of the orthogonal projections on to plane “P” of the accelerator pedal and service brake pedal bearing surfaces | |  | |  |
| 7.2 | "Distance between the projection of the service brake pedal on to the reference plane “P” | |  | |  |
| 7.3 | "Distance between the projection of the service brake pedal on to the reference plane “P” | |  | |  |
| 7.4 | "Drawing showing the parts and arrangement of the foot controls along with dimensions “E” | |  | |  |
| 8 | Hood latch: | |  | |  |
| 8.1 | Make | |  | |  |
| 8.2 | Type | |  | |  |
| 8.3 | Identification No. / Part No. | |  | |  |
| 9 | Wheel guard (IS 13943): | |  | |  |
| 9.1 | Dimension C | |  | |  |
| 9.2 | Dimension p | |  | |  |
| 9.3 | Dimension q | |  | |  |
| 10 | External Projections: | |  | |  |
| 10.1 | Ornaments | |  | |  |
| 10.2 | Projection for head light | |  | |  |
| 10.3 | Radiator grills (Applicable of on external surface) | |  | |  |
| 10.4 | Gap between individual elements | |  | |  |
| 10.5 | Radius of curvature of individual element | |  | |  |
| 10.6 | Body Panel ( In case of radius of curvature of folds in body panels are less than 2.5mm the scaled drawing of folds contour and H value as per IS 13942 is required to be submitted) | |  | |  |
| 10.7 | Radius of curvature of lateral Rain/Air deflector | |  | |  |
| 11 | Steering system : | |  | |  |
| 11.1 | Make | |  | |  |
| 11.1.1 | Type (Manual / Power assisted – Hydraulic / Power assisted – Electric / Other) | |  | |  |
| 11.2 | Steering wheel | |  | |  |
| 11.2.1 | Identification Mark / Part No./Drawing No. | |  | |  |
| 11.2.2 | Position (center/offset) | |  | |  |
| 11.2.3 | Outside dia.(mm) | |  | |  |
| 11.2.4 | Steering column | |  | |  |
| 11.2.4.1 | Make | |  | |  |
| 11.2.4.2 | Type / Model | |  | |  |
| 11.2.4.3 | Detailed drawing with material specifications | |  | |  |
| 11.2.5 | Intermediate shaft | |  | |  |
| 11.2.5.1 | Make | |  | |  |
| 11.2.5.2 | Type / Model | |  | |  |
| 11.2.5.3 | Detailed drawing with material specifications | |  | |  |
| 11.3 | Maximum No. of rotation of steering wheel from lock to lock | |  | |  |
| 11.4 | Steering Gear | |  | |  |
| 11.4.1 | Type of steering gear (Re-circulating ball / Worm & Roller / Rack & Pinion / Others) | |  | |  |
| 11.4.2 | Make | |  | |  |
| 11.4.3 | Steering gear ratio | |  | |  |
| 11.5 | Wheel lock angle (deg.) | |  | |  |
|  | Inner | |  | |  |
|  | Outer | |  | |  |
| 11.5.1 | Left | |  | |  |
| 11.5.2 | Right | |  | |  |
| 11.5.3 | Toe in | |  | |  |
| 11.5.4 | Toe out | |  | |  |
| 11.5.5 | Caster Angle | |  | |  |
| 11.5.6 | Camber Angle | |  | |  |
| 11.6 | Min turning circle diameter (mm) (as per IS 12222) | |  | |  |
| 11.6 | Min. turning circle clearance diameter (mm) | |  | |  |
| 12 | Service brakes. | |  | |  |
| 12.1.1 | Make | |  | |  |
| 12.1.2 | Type (Mechanical/hydraulic/air/air assisted/vacuum assisted/others) | |  | |  |
| 12.1.3 | Control system & braking wheel | |  | |  |
| 12.1.4 | "Schematic layout indicating method of split of brake system | |  | |  |
| 12.2. | Brake lining or pad | |  | |  |
| 12.2.1 | "Nominal Dimensions | |  | |  |
| 12.2.1.1 | Front wheel | |  | |  |
| 12.2.1.2 | Rear wheel | |  | |  |
| 12.2.1.3 | Others | |  | |  |
| 12.2.1.4 | Type of liner wear indicator (window/ acoustic/ optical/ any other) | |  | |  |
| 12.2.2 | Effective area per axle (cm²) | |  | |  |
| 12.2.2.1 | Front | |  | |  |
| 12.2.2.2 | Rear | |  | |  |
| 12.2.2.3 | Others | |  | |  |
| 12.2.3 | Make | |  | |  |
| 12.2.3.1 | Front wheel / axle | |  | |  |
| 12.2.3.2 | Rear wheel / axle | |  | |  |
| 12.2.3.3 | Others | |  | |  |
| 12.2.3.4 | Whether asbestos or asbestos-free | |  | |  |
| 12.3 | Brake drum or disc | |  | |  |
| 12.3.1 | Front axle ( Disc / Drum ) | |  | |  |
| 12.3.1.1 | Effective Diameter (mm) | |  | |  |
| 12.3.2 | Rear axle ( Disc / drum ) | |  | |  |
| 12.3.2.1 | Effective Diameter (mm) | |  | |  |
| 12.3.3 | Other axle ( Disc / Drum ) | |  | |  |
| 12.3.3.1 | Effective diameter (mm) | |  | |  |
| 12.4. | Master cylinder or brake valve | |  | |  |
| 12.4.1 | Make | |  | |  |
| 12.4.2 | Inner diameter of the master cylinder (mm) | |  | |  |
| 12.4.3 | Operating stroke (mm) | |  | |  |
| 12.5 | Wheel cylinder / Wheel Chamber | |  | |  |
| 12.5.1 | Diameter (mm) | |  | |  |
| 12.5.1.1 | Front | |  | |  |
| 12.5.1.2 | Rear | |  | |  |
| 12.5.1.3 | Booster | |  | |  |
| 12.5.1.3.1 | Make | |  | |  |
| 12.5.1.3.2 | Type | |  | |  |
| 12.2.1.3.3 | Boost Ratio | |  | |  |
| 12.2.1.3.4 | Size of Booster (mm) diameter | |  | |  |
| 12.2.1.3.5 | Vacuum/Air assisted | |  | |  |
| 12.5.1.3 | Others | |  | |  |
| 12.5.2 | Type (single acting/double acting) | |  | |  |
| 12.5.2.1 | Front | |  | |  |
| 12.5.2.2 | Rear | |  | |  |
| 12.5.2.3 | Others | |  | |  |
| 12.5.2.4 | Make of wheel cylinder / slave cylinder | |  | |  |
| 12.6. | Failure Warning device for braking | |  | |  |
| 12.6..1 | Type (Visual display/ audible/others) | |  | |  |
| 12.6..2 | Operation pressure (kg/cm2) or (bar) or kPa) | |  | |  |
| 12.6..3 | Type of safety device | |  | |  |
| 12.7.0 | Parking brake | |  | |  |
| 12.7.1 | Make | |  | |  |
| 12.7.2 | Type (mechanical/spring brake) | |  | |  |
| 12.7.3 | Acting on Transmission/wheel | |  | |  |
| 12.7.4 | Control System & Braking wheel | |  | |  |
| 12.7.5 | Lining/pad | |  | |  |
| 12.7.6 | Name of producer | |  | |  |
| 12.7.7 | Dimension (mm) | |  | |  |
| 12.7.8 | Area (cm2) | |  | |  |
| 12.7.9 | Material | |  | |  |
| 12.7.10 | Diameter of brake drum/disc (mm) | |  | |  |
| 12.8. | Secondary brake | |  | |  |
| 12.8..1 | Type | |  | |  |
| 12.8..2 | Description | |  | |  |
| 13 | On Board Diagnosis (OBD I ) | |  | |  |
| 13.1 | Written description and/or drawing of the Malfunction Indicator(MI). | |  | |  |
| 13.2 | Criteria for MI activation (fixed number of driving cycles or statistical method) | |  | |  |
| 13.3 | List of all OBD output codes and formats used (with explanation of each). | |  | |  |
| 13.4 | A description of the type and number of the pre-conditioning cycles used for the original type approval of the vehicle. | |  | |  |
| 14 | Head-On Collision as per AIS-096 | |  | |  |
| 14.1 | "Brief description of the vehicle type as regards its structure | |  | |  |
| 14.2 | Description of the protective system installed in the vehicle: | |  | |  |
| 14.3 | Description of interior arrangements or fittings that might affect the tests: | |  | |  |
| 14.4 | Photographs and/or diagrams and drawings permitting the basic identification of the type(s) of vehicle and its possible variants which are covered by the approval | |  | |  |
| 15 | Temporary Spare Wheel / RFT- as per AIS-110 (If Provided) | |  | |  |
| 15.1 | Make | |  | |  |
| 15.2 | Size | |  | |  |
| 15.3 | Load and speed rating | |  | |  |
| 15.4 | Recommended max speed | |  | |  |
| 16 | Q-Label | |  | |  |
| 16.1 | Sketch showing the location of “Q” label at the front and rear of the vehicle | |  | |  |
| 16.2 | Area of the label | |  | |  |
| 17 | Vehicle Location Tracking System (VTS) Details (if OE fitted) | |  | |  |
| 17.1 | Make: | |  | |  |
| 17.2 | Model Number | |  | |  |
| 17.3 | Part Number | |  | |  |
| 17.4 | Hardware Version | |  | |  |
| 17.5 | Software Version | |  | |  |
| 17.6 | Antenna External and or Internal for GPS/GSM/WLAN etc. details. | |  | |  |
| 18 | Emergency Button | |  | |  |
| 18.1 | No. of Emergency Buttons | |  | |  |
| 18.2 | Make | |  | |  |
| 18.3 | Part Number | |  | |  |
| 19 | Installation layout Drawing of VLT and Buttons | |  | |  |
|  | (Attach drawing showing location of VLT and Emergency Buttons in vehicle) | |  | |  |
| 20 | Installation Instructions (if any for dealer or System integrator) | |  | |  |
|  |  | |  | |  |