

Central Motor Vehicles Rules, 1989

*written by, Ministry of Road
Transport and Highways*

Chapter 1 ~ PRELIMINARY.

Rule 1 & 2

Rule 1 ~ Short title and commencement.

(1) These rules may be called the Central Motor Vehicle Rules, 1989.

(2) Except in so far as the provisions of these rules relate to the registration of non-commercial four wheeled petrol and diesel driven vehicles in the National Capital Region, Delhi which shall come into force on and from the 1st day of June 1999, the provisions of these rules shall come into force on and from the 1st April, 2000.]

(3) The provisions of [rule, 9] sub-rule (3) of rule 16, sub-rule (4) of rule 96, [* * *] sub-rule (3) of rule 105, rule 113, sub-rules (2), (3), (4) or (5) of rule 115, rules 118, 122, 124, 125, 126 and 127 shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint.

1. Except in so far as the provisions of these rules relate to the registration of non-commercial four wheeled petrol and diesel driven vehicles in the National Capital Region, Delhi which shall come into force on and from the 1st day of June 1999, the provisions of these rules shall come into force on and from the 1st April, 2000.] :

Substituted by Notification No. G.S.R 399(E), dated 01-06-1989 (w.e.f 02-06-1989)

2. [rule, 9] : Inserted by G.S.R 933(E), dated 28-10-1989 (w.e.f 28-10-1989) [Download GSR 933(E)]

Rule 2 ~ Definitions.

In these rules, unless the context otherwise requires

Rule 2(a) ~ Act.

Act means the Motor Vehicles Act, 1988 (59 of 1988);

Rule 2(b) ~ Agricultural tractor.

Agricultural tractor means any mechanically propelled 4-wheel vehicle designed to work with suitable implements for various field operations and/or trailers to transport agricultural materials. Agricultural tractor is a non-transport vehicle;

1. Agricultural tractor : Inserted by G.S.R 338(E), dated 26-03-1993, (w.e.f 26-03-1993).
[Download GSR 338(E)]

Rule 2(c) ~ Agricultural trailer.

Agricultural trailer means a trailer generally left uncovered with single/double axle construction which is coupled to an agricultural tractor by means of two hooks and predominantly used for transporting agricultural materials;]

1. Agricultural trailer : Inserted by G.S.R 338(E), dated 26-03-1993, (w.e.f 26-03-1993).
[Download GSR 338(E)]

Rule 2(ca) ~ Challan.

Challan means a document, in physical or electronic form issued by any police officer in uniform or any other officer authorised by the State Government in this behalf, to a person acting in violation of the provisions of the Act, in the form of a receipt comprising the details of the offence committed and the offender, the amount of penalty imposed and mode of collection of the same, if applicable, details of the officer issuing such document and other details as may be specified by the State Government;

Explanation: For the purposes of this clause, E-challan shall mean a challan issued in electronic form.

1. Challan : Substituted by Notification No. G.S.R 584(E), dated 25-09-2020, (w.e.f 02-06-1989). [Download GSR 584(E)]

Rule 2(cb) ~ Combine harvester.

Combine harvester means an agricultural equipment vehicle, self propelled or agricultural tractor powered type (either coupled to the trailer for header assembly or any other attachment of the machine) designed to perform more than one of the following tasks namely:-

- (i) picking, harvesting, threshing, separating, cleaning, chopping, collecting and unloading crop or agricultural produce, such as grain, sugarcane, cotton, fodder, straw or stalk, while moving through the standing crop or agricultural produce;
- (ii) arrangement of bagging with a pick-up attachment to use it for handling crop that has been swathed. Explanation.-For the purpose of this clause, a combine harvester shall be a non-transport motor vehicle, the driving on the road of which is incidental to the main intended use in the fields and for traveling from one field to another, for short durations, at a speed not exceeding thirty kilometer per hour;]

1. Combine harvester : Substituted by Notification No. G.S.R 584(E), dated 25-09-2020, (w.e.f 02-06-1989). [Download GSR 584(E)]

Rule 2(cab) ~ Construction equipment vehicle.

Construction equipment vehicle means rubber tyred (including pneumatic tyred), rubber padded or steel drum wheel mounted, self-propelled, excavator, loader, backhoe, compactor roller, dumper, motor grader, mobile crane, dozer, fork lift truck, self-loading concrete mixer or any other construction equipment vehicle or combination thereof designed for off-highway operations in mining, industrial undertaking, irrigation and general construction but modified and manufactured with "on or off" or "on and off" highway capabilities.

Explanation: A construction equipment vehicle shall be a non-transport vehicle the driving on the road of which is incidental to the main off-highway function and for a short duration at a speed not exceeding 50 kms per hour, but such vehicle does not include other purely off-highway construction equipment vehicle designed and adopted for use in any enclosed premises, factory or mine other than road network, not equipped to travel on public roads on their own power;]

1. Construction equipment vehicle : Substituted by Notification No. G.S.R 673(E), dated 27-10-2020, (w.e.f 02-06-1989). [Download GSR 673(E)]

Rule 2(cb) ~ E-rickshaw.

E-rickshaw means a special purpose battery operated vehicle having three wheels and intended to provide last mile connectively for transport of passengers for hire or reward, provided -

- (i) such vehicle is constructed or adapted to carry not more than four passengers, excluding the driver, and not more than forty kilogrammes luggage in total;
- (ii) the net power of its motor is not more than 2000 W;
- (iii) the maximum speed of the vehicle is not more than twenty-five kilometer per hour;

1. E-rickshaw : Inserted by G.S.R 709(E), dated 08-10-2014 (w.e.f 02-06-1989).

[Download GSR 709(E)]

Rule 2(cc) ~ E-cart.

E-cart means a special purpose battery operated vehicle having three wheels and intended to provide last mile connectivity for carrying goods for hire or reward, provided -

- (i) such vehicle is constructed or adapted for carrying goods by providing a separate load body or compartment with the maximum weight three hundred and ten kilogrammes in addition to driver;
- (ii) the net power of its motor is not more than 2000 W;
- (iii) the maximum speed of the vehicle is not more than twenty-five kilometre per hour]

1. E-cart : Inserted by G.S.R 709(E), dated 08-10-2014 (w.e.f 02-06-1989). [Download GSR 709(E)]

Rule 2(cd) ~ Facilitation Centre.

Facilitation Centre means any physical facility recognised by the Central Government or a State Government or both as the case may be, containing necessary resources and authorised persons to facilitate access to and use of Portals by any person, either for a charge or otherwise;

The Central Government hereby recognises Common Service Centres (CSC) e-Governance Services India Limited to work as "Facilitation Centre".

1. Facilitation Centre : Inserted by G.S.R 240(E), dated 31-03-2021 (w.e.f 01-04-2021).

[Download GSR 240(E)]

2. The Central Government hereby recognises Common Service Centres (CSC) e-

Governance Services India Limited to work as "Facilitation Centre". : Inserted by S.O 2513(E) dtd. 23/06/2021 (w.e.f 23/06/2021) [Download SO 2513(E)]

Rule 2(d) ~ Financier.

Financier means a person or a title holder-cum-dealer who lets a motor vehicle on hire under an agreement of hire purchase or lease or hypothecation to the operator with a permission to get it registered in operators name as registered owner;

Rule 2(e) ~ Form.

Form means a Form appended to these rules [\[including a corresponding electronic form made available on Portal\]](#)

1. [including a corresponding electronic form made available on Portal] : Inserted by G.S.R 240(E), dated 31-03-2021 (w.e.f 01-04-2021). [Download GSR 240(E)]

Rule 2(f) ~ section.

Section means a section of the Act;

Rule 2(g) ~ Trade certificate.

Trade certificate means a certificate issued by the registering authority under rule 35;

Rule 2(h) ~ Non-transport vehicle.

Non-transport vehicle means a motor vehicle which is not a transport vehicle;

Rule 2(i) ~ Category L-1.

[Category L-1](#) means a motor cycle without gear or a light two wheeled powered vehicle with maximum speed 70 kilometers per hour and engine capacity not exceeding 50cc if fitted with a thermic engine or motor power not exceeding 4.0 kilowatts if fitted with electric motor.

1. Category L-1 : Substituted by G.S.R 240(E), dated 31-03-2021 (w.e.f 01-04-2021). [Download GSR 584(E)]

Rule 2(ia) ~ [x x x x]Omitted.

[x x x x]

1. [x x x x] : Clause "ia" omitted by G.S.R 240(E), dated 31-03-2021 (w.e.f 01-04-2021).
[Download GSR 240(E)]

Rule 2(ib) ~ Category L-2.

Category L2 means a motorcycle or a light two wheeled powered vehicle with engine capacity exceeding 50cc if fitted with a thermic engine or motor power exceeding 4.0 kilowatts if fitted with electric motor;

1. Category L2 : Substituted by G.S.R 240(E), dated 31-03-2021 (w.e.f 01-04-2021).
[Download GSR 240(E)]

Rule 2(ic) ~ Category L5.

Category L5 means a three wheeled motor vehicle with maximum speed of 25 km/h and engine capacity of 25 cc, if fitted with a thermic engine, or motor power exceeding 0.25 kW, if fitted with electric motor and the vehicle shall normally used for (a) carrying persons; or (b) carrying goods.

Semi-trailer may be attached, where, -

- (a) handle bar or steering wheel is fitted;
- (b) gross vehicle weight is limited to 1,500 kg, subject to the conditions specified in clause (d);
- (c) in the case of semi-trailers being attached to a three wheeled tractor, the gross combination weight be limited to 2,500 kg subject to the conditions specified in clause (d); and
- (d) weight of traction batteries in the case of battery operated three wheelers shall not be taken into account for calculating the GVW or GCW and for the purpose of classification;

1. Category L5 : Substituted by G.S.R 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018)
[Download GSR 1192(E)]

Rule 2(id) ~ Category L5-M.

Category L5-M means a three wheeler passenger carrier (Auto-Rickshaw) on account of its technical features intended to carry passengers;

Rules 2(ie) ~ Category L2-5.

“Category L2-5” means a three wheeled motor vehicle, with a 2 wheeler-3 wheeler combination module, constructed in such a way that a two-wheeled vehicle of category L2 is combined with a non-self-propelled rear module unit. It can be separated or combined, as and when required:

Provided that at any point of time, either a two-wheeler of Category L2 or a three-wheeled vehicle of Category L5 can only be used;

1. “Category L2-5” : Inserted by G.S.R 354(E), dated 26-06-2024 (w.e.f. 26-06-2024).
[Download GSR 354(E)]

Rules 2(if) ~ Category L2 – 5 M.

“Category L2 – 5 M” means a category L2-5 vehicle on account of technical features intended to carry passengers;

1. “Category L2 – 5 M” : Inserted by G.S.R 354(E), dated 26-06-2024 (w.e.f. 26-06-2024). [Download GSR 354(E)]

Rules 2(ig) ~ “Category L2 – 5 N”.

“Category L2 – 5 N” means a category L2-5 vehicle on account of technical features intended to carry goods:

Provided that category L2-5 vehicle may fall under the category of L2-5M for passenger carrier or L2-5N for goods carriage, depending on the weight of persons including driver for whom seating arrangements are provided is more than or less than the weight of goods carried and this shall be as per conditions specified in IS 14272:2011, as amended from time to time for L5 category of vehicles.

1. “Category L2 – 5 N” : Inserted by G.S.R 354(E), dated 26-06-2024 (w.e.f. 26-06-2024). [Download GSR 354(E)]

Rule 2(j) ~ Category L5-N.

Category L5-N means a three wheeler goods carrier on account of its technical features intended to carry goods;

A three wheeler may fall under the category of 'L5-M- Passenger carrier (Auto rickshaw)' or 'L5-N- Goods Carriage' depending on the weight of persons including driver for whom seating arrangements are provided is more than or less than the weight of goods carried. three wheeler may fall under the category of L5-N (Goods Carrier), if, -

- (a) a separate load body or compartment is provided for carrying the goods;
- (b) the number of seating positions excluding the driver is not more than three; and
- (c) the weight of goods carried by the vehicle is more than weight of persons carried, as calculated by following formula:

$$P - (A + B \times 68) > B \times 68$$

Where

P = Technically permissible maximum laden weight (GVW) (kg)

A = Vehicle weight in the kerb weight condition (as defined in IS 9211:2003, as amended time to time) + 68 kg. In the case of electric vehicles, the weight of traction batteries is to be subtracted from the kerb weight.

B = Number of seating positions excluding the driver;

Rule 2(k) ~ Category M.

Category M means a motor vehicle with at least four wheels used for carrying passengers;

1. Category M : Substituted by G.S.R 784(E), dated 12-11-2008 (w.e.f. 12-11-2008).
[Download GSR 784(E)]

Rule 2(l) ~ Category M-1.

Category M-1 means a motor vehicle used for carriage of passengers, comprising not more than eight seats in addition to the drivers seat.

Note.- Definitions of type of body work for motor vehicles of Category M1 shall be in accordance with Annex A of IS 14272: 2011, as amended from time to time. Certificates

issued prior to the date of implementation of IS:14272:2011 in place of AIS: 053:2005 shall continue to be valid.];

1. Category M : Substituted by G.S.R 784(E), dated 12-11-2008 (w.e.f. 12-11-2008).

[Download GSR 784(E)]

2. -1 : Substituted by G.S.R 784(E), dated 12-11-2008 (w.e.f. 12-11-2008). [Download GSR 784(E)]

Rule 2(m) ~ Category M-2.

Category M-2 means a motor vehicle used for carriage of passengers, comprising nine or more seats in addition to drivers seat and having a maximum Gross Vehicle Weight not exceeding five tonnes;]

1. Category M-2 : Substituted by G.S.R 784(E), dated 12-11-2008 (w.e.f. 12-11-2008).

[Download GSR 784(E)]

Rule 2(n) ~ Category M-3.

Category M-3 means a motor vehicle used for carriage of passengers, comprising nine or more seats in addition to drivers seat and having a Gross Vehicle Weight exceeding five tonnes;]

1. Category M-3 : Substituted by G.S.R 784(E), dated 12-11-2008 (w.e.f. 12-11-2008).

[Download GSR 784(E)]

Rule 2(o) ~ Category N.

Category N means a motor vehicle with at least four wheels used for carrying goods which may also carry persons in addition to the goods subject to the conditions specified in Para 3.2 of IS 14272: 2011, as amended from time to time. Certificates issued prior to the date of implementation of IS:14272:2011 in place of AIS:053:2005 shall continue to be valid;

1. Category N : Substituted by G.S.R 784(E), dated 12-11-2008 (w.e.f. 12-11-2008).

[Download GSR 784(E)]

Rule 2(p) ~ Category N-1.

Category N-1 means a motor vehicle used for carriage of goods and having a Gross Vehicle Weight not exceeding 3.5 tonnes;]

1. Category N-1 : Substituted by G.S.R 784(E), dated 12-11-2008 (w.e.f. 12-11-2008).
[Download GSR 784(E)]

Rule 2(q) ~ Category N-2.

Category N-2 means a motor vehicle used for carriage of goods and having a Gross Vehicle Weight exceeding 3.5 tonnes but not exceeding 12 tonnes;]

1. Category N-2 : Substituted by G.S.R 784(E), dated 12-11-2008 (w.e.f. 12-11-2008).
[Download GSR 784(E)]

Rule 2(r) ~ Category N-3.

Category N-3 means a motor vehicle used for carriage of goods and having a Gross Vehicle Weight exceeding 12 tonnes;

Note.- For the motor vehicles, additional details and definitions specified in IS 14272: 2011, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986) shall be applicable;] Certificates issued prior to the date of implementation of IS: 14272:2011 in place of AIS:53:2005 shall continue to be valid.

1. Category N-3 : Substituted by G.S.R 784(E), dated 12-11-2008 (w.e.f. 12-11-2008).
[Download GSR 784(E)]

Rule 2(ra) ~ Category —T.

Category T means a non-self propelled driven road vehicle, including a semi-trailer, having at least two wheels which, on account of its design and technical features, is used to transport persons or goods and is intended to be towed by a motor vehicle;

1. Category T : Substituted by G.S.R 409(E), dated 18-06-2014 (w.e.f. 18-06-2014).
[Download GSR 409(E)]

Rule 2(rb) ~ Category T-1.

[Category T-1](#) means a category T vehicle having a maximum weight not exceeding 0.75 tonnes;

1. Category T-1 : Substituted by G.S.R 409(E), dated 18-06-2014 (w.e.f. 18-06-2014).
[Download GSR 409(E)]

Rule 2(rc) ~ Category T-2.

[Category T-2](#) means a category T vehicle having a maximum weight exceeding 0.75 tonnes but not exceeding 3.5 tonnes;

1. Category T-2 : Substituted by G.S.R 409(E), dated 18-06-2014 (w.e.f. 18-06-2014).
[Download GSR 409(E)]

Rule 2(rd) ~ Category T-3.

[Category T-3](#) means a category T vehicle having a maximum weight exceeding 3.5 tonnes but not exceeding 10 tonnes;

1. Category T-3 : Substituted by G.S.R 409(E), dated 18-06-2014 (w.e.f. 18-06-2014).
[Download GSR 409(E)]

Rule 2(re) ~ Category T-4.

[Category T-4](#) means a category T vehicle having a maximum weight exceeding 10 tonnes;

1. Category T-4 : Substituted by G.S.R 409(E), dated 18-06-2014 (w.e.f. 18-06-2014).
[Download GSR 409(E)]

Rule 2(rf) ~ Category T-5.

[Category T-5](#) means a semi-trailer of category T vehicle intended to be drawn by a three-wheeled haulage tractor.

1. Category T-5 : Substituted by G.S.R 409(E), dated 18-06-2014 (w.e.f. 18-06-2014).
[Download GSR 409(E)]

Rule 2(s) ~ Smart Card.

Smart card means a device capable of storing data and executing commands which is a microprocessor chip mounted on a plastic card and the dimensions of the card and chip are specified in the International Organisation for Standardisation (ISO)/International Electro Technical Commission (IEC) 7816 specifications, as may be amended from time to time, and shall be as per the specifications specified in Annexure XI.

Explanation: For the purposes of this clause, microprocessor chip shall have non-volatile re-writable memory capacity of minimum [64 Kilo Byte] consisting of application data, file headers, security definitions, and a maximum of 350 bytes for Operating System Interfacing, as specified by the Ministry of Road Transport and Highways from time to time for Driving License and Registration Certificate applications;

[Note : The microprocessor chip of smart card mentioned at para I shall conform to the specification given in the Annexure for smart card based driving license and vehicle Registration documents for transport and non-transport vehicles and shall contain the information specified under these rules.]

1. Smart card : Substituted by G.S.R 513(E), dated 10-08-2004 (w.e.f. 10-09-2004) [Download GSR 513(E)]
2. [Note : : Inserted by G.S.R 540(E), dated 15-06-2010.
3. The microprocessor chip of smart card mentioned at para I shall conform to the specification given in the Annexure for smart card based driving license and vehicle Registration documents for transport and non-transport vehicles and shall contain the information specified under these rules.] : Inserted by G.S.R 540(E), dated 15-06-2010.

Rule 2(t) ~ International Driving Permit.

International Driving Permit means the license issued by a licensing authority in India under Chapter II of the Act to an Indian National authorising the person specified therein to drive any categories of motor vehicles as specified in Form 6-A in the areas or territories of countries other than India [that are Parties to the Convention on Road Traffic signed at Geneva on 19th day of September, 1949];

1. International Driving Permit : Inserted by G.S.R 720(E), dated 10-09-2003. [Download GSR 720(E)]
2. [that are Parties to the Convention on Road Traffic signed at Geneva on 19th day of

September, 1949];] : Sunstituted by G.S.R 276(E), dated 10-04-2007 (w.e.f 10-04-2007)
[Download GSR 276(E)]

Rule 2(u) ~ Battery Operated Vehicle.

Battery Operated Vehicle means a vehicle adapted for use upon roads and powered exclusively by an electric motor whose traction energy is supplied exclusively by traction battery installed in the vehicle:

[Provided that a two wheeled battery operated vehicle shall not be deemed to be a motor vehicle if all the following conditions are verified and authorised by any testing agency specified in rule 126, namely:-

- (a) vehicle is equipped with an electric motor having thirty minute power less than 0.25 kW;
- (b) maximum speed of the vehicle is less than 25 km/hr;
- (c) vehicle is fitted with suitable brakes and retro-reflective devices, i.e. one white reflector in the front and one red reflector at the rear;
- (d) unladen weight (excluding battery weight) of the vehicle is not more than 60 kg;
- (e) in case of pedal assisted vehicle equipped with an auxiliary electric motor, in addition to above, the thirty minute power of the motor is less than 0.25 kW, whose output is progressively reduced and finally cut off as the vehicle reaches a speed of 25 km/hr, or sooner, if the cyclist stops pedalling.]

Explanation: The thirty minute power of the motor is defined in AIS:049:2003 and method of verification is prescribed in AIS:041:2003, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986);

1. Battery Operated Vehicle : Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005) [Download GSR 589(E)]
2. [Provided that a two wheeled battery operated vehicle shall not be deemed to be a motor vehicle if all the following conditions are verified and authorised by any testing agency specified in rule 126, namely:- : Substituted by G.S.R 291(E), dated 24-04-2014 (w.e.f. 16-09-2005) [Download GSR 291(E)]
3. (a) vehicle is equipped with an electric motor having thirty minute power less than

0.25 kW; (b) maximum speed of the vehicle is less than 25 km/hr; (c) vehicle is fitted with suitable brakes and retro-reflective devices, i.e. one white reflector in the front and one red reflector at the rear; (d) unladen weight (excluding battery weight) of the vehicle is not more than 60 kg; : Substituted by G.S.R 291(E), dated 24-04-2014 (w.e.f. 16-09-2005) [Download GSR 291(E)]

4. (e) in case of pedal assisted vehicle equipped with an auxiliary electric motor, in addition to above, the thirty minute power of the motor is less than 0.25 kW, whose output is progressively reduced and finally cut off as the vehicle reaches a speed of 25 km/hr, or sooner, if the cyclist stops pedalling.] : Substituted by G.S.R 291(E), dated 24-04-2014 (w.e.f. 16-09-2005) [Download GSR 291(E)]

Rule 2(v) ~ Power tiller.

Power tiller means an agricultural machinery used for soil preparation having a single axle in which the direction of travel and its control for field operation is performed by the operator walking behind it. This equipment may or may not have a riding attachment and when coupled to a trailer can be used for the transportation of goods. The maximum speed of the power tiller when coupled to a trailer, shall not exceed 22 km/h. The maximum haulage capacity of the Power tiller coupled to a trailer shall not exceed 1.5 tons;]

Rule 2(w) ~ National Capital Region.

National Capital Region shall have the meaning assigned to it in clause (f) of section 2 of the National Capital Region Planning Board Act, 1985 (2 of 1985).]

1. National Capital Region : Inserted by G.S.R 37(E), dated 20-01-2009 (w.e.f. 20-01-2009). [Download GSR 37(E)]

Rule 2(x) ~ Modular hydraulic trailer.

Modular hydraulic trailer means a trailer module intended for carrying indivisible heavy or over dimensional cargo and having the following features, namely:-

- (i) swing axles with hydraulic suspension;
- (ii) independently steerable axles;
- (iii) two or more axle rows;

- (iv) suitable arrangement for joining such modules longitudinally or laterally or both;
- (v) suitable provision for joining such separate modules with spacer beam arrangement or by bolster arrangement or by girder bridge arrangement or by loading deck arrangement;
- (vi) suitable drawbar arrangement for being pulled or pushed or self propelled.

Explanation: For the purpose of this clause, the expressions,-

(I) **"spacer beam arrangement"** shall mean the arrangement of rigid steel frame used for joining two separate modular hydraulic trailer units to form a single rigid chassis for movement of long cargo;

(II) **"bolster arrangement"** shall mean the arrangement of two separate units of modular hydraulic trailer mounted with turn tables and the cargo rests on the turn tables, whereby cargo structure itself acts as long member of trailer chassis;

(III) **"girder bridge arrangement"** shall mean the arrangement of two separate units of modular hydraulic trailers mounted with turn tables, and cargo is placed on a steel girder, which is then mounted on modular hydraulic trailer, whereby the steel girder acts as the long member of the trailer chassis;

(IV) **"loading deck arrangement"** shall mean the arrangement of two separate units of modular hydraulic trailers mounted with turn tables, and cargo is placed on a loading deck, which is then mounted on both modular hydraulic trailers, whereby the loading deck acts as the long member of the modular hydraulic trailer chassis;

- (vii) fitted with suitable braking system.

1. Modular hydraulic trailer : Inserted by G.S.R 212(E), dated 20-03-2015 (w.e.f. 20-03-2015). [Download GSR 212(E)]

Rule 2(xa) ~ Portal.

Portal means a web or electronic based system set up and maintained by the Central Government for-

- (i) facilitating licensing, registration, issuance of certificate of fitness and permits of motor vehicles;
- (ii) recording of offences including compounding, impounding, making endorsements, suspension and revocation of licenses and registrations;
- (iii) issuance of e-challan;
- (iv) preserving, retaining and granting access to machine readable, printable, shareable, verifiable and secure electronic records.

1. Portal : Inserted by G.S.R 584(E), dated 25-09-2020 (w.e.f. 01-06-1989). [Download GSR 584(E)]

Rule 2(y) ~ Puller tractor.

Puller tractor means a multi-axle haulage tractor of Category N3 vehicle having-

- (i) suitable arrangement to pull or push modular hydraulic trailer or combination thereof under drawbar arrangement;
- (ii) adequate ballast weight for providing traction;
- (iii) minimum engine power of 260 hp; and
- (iv) maximum speed not exceeding twenty five kilometre per hour while pulling load;]

1. Puller tractor : Inserted by G.S.R 212(E), dated 20-03-2015 (w.e.f. 01-10-2014). [Download GSR 212(E)]

Rule 2(z) ~ Quadricycles.

Quadricycles means a four wheeled vehicle and having the following features, namely :-

- (i) Fully enclosed body structure with doors and having steering control through steering wheel with the top edge of the doors having atleast 200 mm from adjacent seat base top surface;
- (ii) With sides and top not made of flexible material such as rexin, cloth, plastic, etc;

- (iii) For goods vehicle, cargo body internal area not less than 30% of the vehicle's width multiplied by its length;
- (iv) Maximum permissible kerb weight of 450 kg. in case of passenger vehicle and 550 kg. in case of goods vehicle;
- (v) Maximum seating capacity of four (including driver) in case of passenger vehicle and two (including driver) in case of goods vehicle with independent seats provided for the driver and co-passenger in the front row in the case of both passenger vehicle and goods vehicle;
- (vi) Maximum permissible payload of 550 kg. in case of goods vehicles;
- (vii) Maximum permissible propulsion power of 15 kW of the prime mover be 15 kW, when tested as per Chapter I of Part IV of MoSRTTH/TAP 115-116 as amended from time to time for Compression Ignition engines and battery operated vehicles and as per IS:14599- 1999 for Spark Ignition engines;
- (viii) Maximum design speed of 70 km. per hour; and
- (ix) Not having trailers or any provision of coupling a semi-trailer.

Explanation: For the purpose of clause (iv), the weight shall not include.

- (a) Mass of batteries in the case of electric or hybrid vehicles,
- (b) Mass of gaseous fuel system including tanks for gaseous fuel storage in the case of mono-fuel, bi-fuel or multifuel vehicle"

1. Quadricycles : Inserted by G.S.R 99(E), dated 19-02-2014 (w.e.f. 01-10-2014).

[Download GSR 99(E)]

Rule 2(za) ~ Motor Caravan.

Motor Caravan means a special purpose category M vehicle constructed to include living accommodation which contains at least the following equipment:-

- (i) seats and table;
- (ii) sleeping accommodation which may be converted from the seats;

(iii) cooking facilities; and

(iv) storage facilities,

which may be rigidly fixed to the living compartment. Provided that the table may be designed to be easily removable;

1. Motor Caravan : Inserted by G.S.R 868(E), dated 08-09-2016. [Download GSR 868(E)]

Rule 2(zb) ~ Road Ambulance.

Road Ambulance means a specially equipped and ergonomically designed vehicle for transportation and/or emergent treatment of sick or injured people and capable of providing out of hospital medical care during transit or when stationary, commensurate with its designed level of care when appropriately staffed;

Rule 2(zc) ~ School Bus.

School Bus means a vehicle with a seating capacity of thirteen passengers and above excluding driver designed and constructed specially for school going children;

Rule 2(zd) ~ Special Purpose Vehicle (SPV).

Special Purpose Vehicle (SPV) means a motor vehicle so constructed or altered to serve as a specific transportation requirement of goods or passenger transport.

▼ OLD RULE:

Prior to the substitution the definition read as under

Special Purpose Vehicle means a vehicle of category L [only in case of Road Ambulance complying to AIS-125 (Part1)-2014], M, N or T having specific technical features in order to perform a function which requires special arrangements and/or equipment.

1. Special Purpose Vehicle (SPV) : Substituted by G.S.R 596(E), dated 26-08-2021 (w.e.f. 26/08/2021). [Download GSR 596(E)]

Chapter II ~ LICENSING OF DRIVERS OF MOTOR VEHICLES

Rule 3 to 32

Rule 3 ~ General.

The provisions of sub-section (1) of section 3 shall not apply to a person while receiving instructions or gaining experience in driving with the object of presenting himself for a test of competence to drive, so long as—

- a. such person is the holder of an effective learner's licence issued to him in Form 3 to drive the vehicle;
- b. such person is accompanied by an instructor holding an effective driving License to drive the vehicle and such instructor is sitting in such a position to control or stop the vehicle; and
- c. there is painted, in the front and the rear of the vehicle or on a plate or card affixed to the front and the rear, the letter "L" in red on a white background as under:—



Note.—The painting on the vehicle or on the plate or card shall not be less than 18 centimeters square and the letter "L" shall not be less than 10 centimeters high, 2 centimeters thick and 9 centimeters wide at the bottom:

Provided that a person, while receiving instructions or gaining experience in driving a motor cycle (with or without a side-car attached), shall not carry any other person on the motor cycle except for the purpose and in the manner referred to in clause (b).

Case Law 1: Effect of driving with Learners licence.

Abdul Gafoor K. P. v. New India Assurance Company Ltd 2017 (1) KHC 942.

Since learner's licence is also a licence issued under the MV Act and the Rules, a person, who is issued with a learner's driving licence, can also drive a vehicle in public place, but subject to the specific provisions under the Act and the Rules -- Such driving is permissible solely for the purpose of receiving instructions or for gaining experience in driving with the object of presenting himself for a test of competence to drive.

Rule 4 ~ Evidence as to the correctness of address and age.

Every applicant for the issue of a licence under this Chapter shall produce as evidence of his address and age, any one or more of the following documents in original or relevant extracts thereof duly self attested, namely,

1. [x x x x]

1A. Aadhaar Card

2. Electoral Roll,

3. Life insurance Policy,

3A. [x x x x]

4. Passport,

5. [x x x x]

6. Pay slip issued by any office of the Central Government or a State Government or a local body,

7. [x x x x]

8. School certificate,

9. Birth certificate,

10. Certificate granted by a registered medical practitioner not below the rank of a Civil Surgeon, as to the age of the applicant,

11. [Any other document or documents as may be prescribed by the State Government under clause \(k\) of section 28:\]](#)

12. [Proof of legal presence in India in addition to proof of residence in case of foreigners\]](#)

Provided that where the applicant is not able to produce any of the above-mentioned documents for sufficient reason, the licensing authority may accept any affidavit sworn by the applicant before an Executive Magistrate, or a First Class Judicial Magistrate or a Notary Public as evidence of age and address.

► **OMITTED RULE:**

1. Every applicant for the issue of a licence under this Chapter shall produce as evidence of his address and age, any one or more of the following documents in original or relevant extracts : Rule 4 substituted by G.S.R 338(E), dated 26-03-1993 (w.e.f. 26-03-1993) [Download GSR 338(E)]
2. self attested, : Substituted by GSR 168(E), dt. 03/03/2015, for words "attested by a Gazetted Officer of the Central Government or of a State Government or an officer of a local body who is equivalent in rank of a Gazetted Officer of the Government or Village Administration Officer or Municipal Corporation Councilor or Panchayat President" (w.e.f. 03/03/2015). [Download GSR 168(E)]
3. [x x x x] : Item No. "1. Ration Card," omitted by GSR 589(E), dt. 16/09/2005 (w.e.f. 16/09/2005). [Download GSR 589(E)]
4. Aadhaar Card : Inserted by G.S.R. 243(E), dt. 20/03/2018 (w.e.f. 01/04/2018). [Download GSR 243(E)]

5. [x x x x] : Item 3A - "Janta Insurance Policy" inserted by G.S.R 684(E), dt. 05/10/1999 (w.e.f. 22/10/1999) [Download GSR 684(E)] and omitted by G.S.R 76(E). dt. 31/01/2000 (w.e.f. 31/01/2000) [Download GSR 76(E)]
6. [x x x x] : Item No. 5 - "Electricity or Telephone Bills" omitted by GSR 684(E), dt. 15/10/1999 (w.e.f. 22/10/1999)[Download GSR 684(E)] and again inserted by GSR 76/E dt. 31/01/2000 (w.e.f. 31/01/2000) [Download GSR 76(E)] and further omitted by G.S.R 221(E). dt 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)]
7. Pay slip issued by any office of the Central Government or a State Government or a local body, : Item no. 6 omitted by GSR 684(E), dt. 15/10/1999 (w.e.f. 22/10/1999) and again inserted by GSR 76/E dt. 31/01/2000 (w.e.f. 31/01/2000) [Download GSR 76(E)]
8. [x x x x] : Item No. 7 - "House Tax Reciept" omitted by GSR 684(E), dt. 15/10/1999 (w.e.f. 22/10/1999)[Download GSR 684(E)] and again inserted by GSR 76/E dt. 31/01/2000 (w.e.f. 31/01/2000) and further omitted by G.S.R 221(E). dt 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)]
9. Any other document or documents as may be prescribed by the State Government under clause (k) of section 28:] : Inserted by GSR 589(E) 16/09/2005 (w.e.f. 16/09/2005). [Download GSR 589(E)]
10. Proof of legal presence in India in addition to proof of residence in case of foreigners] : Inserted by GSR 276(E) dated 10/04/2007 (w.e.f. 10/04/2007) [Download GSR 276(E)]

Rule 5 ~ Medical certificate.

(1) Every application for the issue of a learner's licence or a driving licence or for making addition of another class or description of a motor vehicle to a driving licence or for renewal of a driving licence to drive a vehicle other than a transport vehicle shall include a self-declaration as to the physical fitness as in Form 2 and every such application for a licence to drive a transport vehicle shall include a medical certificate in Form 1-A issued electronically on the portal by a registered medical practitioner referred to in sub-section (3) of section 8].

(2) [x x x x]

(3) A medical certificate issued in Form 1-A shall be valid for a period of [six months] from the date of its issue. It shall be accompanied by a passport size copy of the photograph of the applicant to be submitted electronically in the portal.

(4) [Every medical certificate issued by a registered medical practitioner referred to in sub-section (3) of section 8 of the Act in Form 1A, shall only be issued electronically on the Portal.]

1. Every application for the issue of a learner's licence or a driving licence or for making addition of another class or description of a motor vehicle to a driving licence or for renewal of a driving licence : Rule 5 substituted by GSR 684(E), dt. 05/10/1999 (w.e.f. 22/10/1999); [Download GSR 684(E)] and again by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)]
2. include : Substituted for the words "be accompanied by" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. Form 2 : Substituted for the words "Form 1" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. include : Substituted for the words "be accompanied by" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
5. electronically on the portal : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
6. [x x x x] : Sub rule (2) omitted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021); prior to omission it read as "An application for a medical certificate shall contain a declaration in Form 1". [Download GSR 240(E)]
7. [six months] : Substituted for the words "one year" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
8. to be submitted electronically in the portal. : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
9. [Every medical certificate issued by a registered medical practitioner referred to in sub : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
10. -section (3) of section : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
11. 8 of the Act in Form 1A, shall only be issued electronically on the Portal.] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 6 ~ Exemption from production of medical certificate.

Any person who has, after the date of commencement of these rules, produced a medical certificate in connection with the obtaining of a learner's licence or a driving licence, whether

for initial issuance or for renewal thereof, or for addition of another class of motor vehicles to his driving licence, shall not be required to produce a medical certificate, except where the application is made for the renewal of a driving licence.

Rule 7 ~ Affixing of photograph to medical certificate.

A photograph of the applicant shall be affixed at the appropriate place shown in [Form 1-A](#) and the registered medical practitioner shall affix his signature and seal to the said photograph in such a manner that the signature and the seal appear partly on the photograph and partly on the form of the medical certificate:

[\[x x x x\]](#)

1. Form 1-A : Substituted for "Form 1" by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989)
[Download GSR 933(E)]
2. [x x x x] : Proviso omitted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989)
[Download GSR 933(E)]

Rule 8 ~ [Omitted].

[\[x x x x\]](#)

► OMITTED RULE:

1. [x x x x] : Rule 8 omitted by GSR 681(E), dt. 23/09/2019 (w.e.f. 23/09/2019).
[Download GSR 681(E)]

Rule 8A ~ Minimum training required for driving E-rickshaw or E-cart.

[\[Every applicant for obtaining a license to drive E-rickshaw or E-cart shall undergo training for a period of at least ten days, the curriculum for which may be prescribed by the State](#)

Government and shall obtain a certificate of training from any institution authorised by the State Government.]

► **OLD RULE:**

1. [Every applicant for obtaining a license to drive E-rickshaw or E-cart shall undergo training for a period of at least ten days, the curriculum for which may be prescribed by the State Government and shall obtain a certificate of training from any institution authorised by the State Government.] : Substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021); former Rule 8A inserted by GSR 27(E), dt. 13/01/2015 (w.e.f. 13/01/2015). [Download GSR 27(E)]

Rule 9 ~ Minimum training and language comprehension requirement for drivers of goods carriages carrying dangerous or hazardous goods.

(1) [One year from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, any person driving a goods carriage carrying goods of dangerous or hazardous nature to human life shall, in addition to being the holder of a driving licence to drive a transport vehicle, also has the ability to read and write at least one Indian language out of those specified in the VIII Schedule of the Constitution] and English and also possess a certificate of having successfully passed a course consisting of following syllabus and periodicity connected with the transport of such goods.]

TABLE

<i>Period of training</i>	<i>3 days</i>
<i>Place of training</i>	<i>At any institute recognised by the State Government</i>
Syllabus	

<i>A</i>	<i>Defensive driving</i>	<i>Duration of training for A&B-1st & 2nd day</i>
	Questionnaire	
	Cause of accidents	
	Accidents' statistics	
	Driver's personal fitness Car condition	
	Braking distance	
	Highway driving	
	Road/Pedestrian crossing	
	Railway crossing	
	Adapting to weather Head on collision	
	Rear end collision	
	Night driving	
	Films and discussion	
<i>B</i>	<i>Advanced driving skills and training</i>	
	Discussion	
	Before starting	Checklist

	outside/below/near vehicle
	product side
	inside vehicle
During driving	correct speed/gear
	signaling
	lane control
	overtaking/giving side
	speed limit/safe distance
	driving on slope
Before stopping	safe stopping place, signalling, road width, condition
After stopping	preventing vehicle movement
	wheel chocks
	vehicle attendance
Night driving	mandatory lighting requirements
	headlamp alignment

		use of dipped beam]
	Field test/training	1 driver at a time
<i>C</i>	<i>Product safety</i>	<i>Duration of training for C Third day</i>
	UN Panel	UN classification
		Hazchem code
		Toxicity
		fammability
		other definitions
	Product information	Tremcards
		CIS/MSDS
		Importance of temperature
		Pressure, Level
		Explosive limits
		Knowledge about equipment
	Emergency procedure	Communication
		Spillage handling

		Use of PPE
		Fire fighting
		First Aid
		Toxic release control
		Protection of wells, rivers, lakes, etc.
		Use of protective equipment
		Knowledge about valves, etc.]

(2) The holder of a driving licence possessing [x x x] the certificate referred to in sub-rule (1), shall make an application in writing on a plain paper alongwith his driving licence and the relevant certificate to any licensing authority in the State in which he resides for making necessary entries in his driving licence and if the driving licence is in Form 7, the application shall be accompanied by the fee as specified in the Table in Rule 32

(3) The licensing authority, on receipt of the application referred to in sub-rule (2), shall make an endorsement in the driving licence of the applicant to the effect that he is authorised to drive a goods carriage carrying goods of dangerous or hazardous nature to human life.

(4) A licensing authority other than the original licensing authority making any such endorsement shall communicate the fact to the original licensing authority.

1. [One year from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, any person driving a goods carriage carrying goods of dangerous or hazardous nature to human life shall, in addition to being the holder of a driving licence to drive a transport vehicle, also has the ability to read and write at least one Indian language out of those specified in the VIII Schedule of the Constitution] and English and also possess a certificate of having successfully passed a course consisting of following

syllabus and periodicity connected with the transport of such goods.] : Sub-rule (1)
 Substituted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993). [Download GSR 338(E)]

2. [x x x] : Omitted the words "the minimum educational qualification or" by GSR 240(E),
 dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

3. any licensing authority in the State in which : Substituted for the words "the licensing
 authority in whose jurisdiction" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).
 [Download GSR 240(E)]

4. as specified in the Table in Rule 32 : Substituted by G.S.R. 1183(E), dt. 29/12/2016
 (w.e.f. 29/12/2016), for the words "as is referred to in Sl. No. 8 of the Table to Rule 32".
 [Download GSR 1183(E)]

Rule 10 ~ Application for learners licence.

An application for the grant [\[x x x x\]](#) of a learner's licence shall be made in Form 2 and shall be accompanied by [\[the following documents and fees, submitted electronically on a Portal, either accessed by the applicant himself or with the help of a Facilitation Centre,—\]](#)

- (a) [\[a medical certificate in Form 1A in case of an application for learner's license to drive a transport vehicle;\]](#)
- (b) [\[x x x\]](#) the applicant's recent [\[passport size photo\]](#)
- (c) appropriate fee as specified in rule 32
- (d) [\[in the case of an application for transport vehicle excluding E-rickshaw or E-Cart, the driving licence held by the applicant\]](#)
- (e) [\[proof of residence and age\]](#)
- (f) [\[x x x x\]](#)
- (g) [\[x x x x\]](#)
- (h) [\[in case of an application for a learner's license to drive an adapted vehicle, a medical certificate in Form 1A along with a certificate of disability, if any.\]](#)

► **OMITTED RULE:**

1. [x x x x] : The words "or renewal" omitted by GSR 276(E), dt. 10/04/2007 (w.e.f. 10/04/2007). [Download GSR 276(E)]
2. [the following documents and fees, submitted electronically on a Portal, either accessed by the applicant : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. himself or with the help of a Facilitation Centre,—] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. [a medical certificate in Form 1A in case of an application for learner's license to drive a transport vehicle : Clause (a) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021); prior it read as "save as otherwise provided in rule 6, a medical certificate in Form 1A" [Download GSR 240(E)]
5. ;] : Clause (a) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021); prior it read as "save as otherwise provided in rule 6, a medical certificate in Form 1A" [Download GSR 240(E)]
6. [x x x] : Omitted the words "three copies of" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
7. [passport size photo] : Substituted for "photograph of the size of five centimeters by six centimeters" by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989).
8. [in the case of an application for transport vehicle excluding E-rickshaw or E-Cart, the driving licence held by the applicant] : Substituted by GSR 27(E), dt. 13/01/2015, (w.e.f. 13/01/2015). Prior to the substitution it read as: "(d) in the case of an application for transport vehicle, the driving licence held by the applicant." [Download GSR 27(E)]
9. [proof of residence and age] : Proof of residence was inserted by GSR 276(E), dt. 10/04/2007 (w.e.f. 10/04/2007) [Download GSR 276(E)]; and the words "and age" inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
10. [x x x x] : Clause (f) omitted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
11. [x x x x] : Clause "(g)" omitted by G. S. R. 708(E) dt. 30/08/2010 w.e.f 30/08/2010). [Download GSR 708(E)]
12. [in case of an application for a learner's license : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
13. e to drive an adapted vehicle, a medical certificate in Form 1A along with a certificate of disability, if any.] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 11 ~ Conditions to be satisfied for learner's licence.

(1) [Within seven days of submitting an application under rule 10, every applicant for a learner's licence shall complete a tutorial on safe driving, electronically on a Portal, either accessed by the applicant himself or with the help of a Facilitation Centre.

(2) The tutorial on safe driving shall contain information on the following matters, namely:

- a. the traffic signs, traffic signals and the rules of the road regulations made under section 118 of the Act;
- b. the duties of a driver when his vehicle is involved in an accident resulting in the death or bodily injury to a person or damage to property of a third party;
- c. the precautions to be taken while passing an unmanned railway crossing;
- d. the documents he should carry with him while driving a motor vehicle
- e. [knowledge and understanding of fuel efficient driving technique]

(3) After undertaking the tutorial on safe driving, every applicant shall undertake a test within seven days of submitting an application under rule 10, electronically on a Portal, subject to availability, either accessed by the applicant himself or with the help of a Facilitation Centre consisting of questions of objective type as specified in Annexure VI, to test the applicant's knowledge and understanding of the matters specified in sub-rule (2).

(4) Applicant shall be deemed to have successfully passed the test specified under sub-rule (3), if the applicant correctly answers at least 60 per cent. of the questions put to him.

(5) Nothing contained in sub-rule (1) and (3) shall apply to the following class of applicants, namely: -

- a. the holder of an effective driving licence;
- b. the holder of a driving licence which has expired;
- c. the holder of a learner's licence issued or reissued prior to the commencement of these rules;
- d. the holder of a certificate to the effect of the possession of adequate knowledge and understanding of the matters referred to in rule 24, issued by any driving school or

establishment referred to in section 12 of the Act.]

► **OLD RULE:**

1. [Within seven days of submitting an application : Substituted by GSR 714(E), dt. 20/09/2022 (w.e.f. 20/09/2022). [Download GSR 714(E)]
2. under rule 10, every applicant for a learner's licence shall complete a tutorial on safe driving, electronically on a Portal, either accessed by the applicant himself or with the help of a Facilitation Centre. : Substituted by GSR 714(E), dt. 20/09/2022 (w.e.f. 20/09/2022). [Download GSR 714(E)]
3. The tutorial on safe driving shall contain information on the following matters, namely:
: Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
5. the traffic signs, traffic signals and the rules of the road regulations made under section 118 of the Act; the duties of a driver when his vehicle is involved in an accident resulting in the death or bodily injury to a person or damage to property of a third party; the precautions to be taken while passing an unmanned railway crossing; : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
6. : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
7. the documents he should carry with him while driving a motor vehicle : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
8. [knowledge and understanding of fuel efficient driving technique : Inserted by GSR 714(E), dt. 20/09/2022 (w.e.f. 20/09/2022). [Download GSR 714(E)]
9.] : Inserted by GSR 714(E), dt. 20/09/2022 (w.e.f. 20/09/2022). [Download GSR 714(E)]
10. After and : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
11. undertaking the tutorial on safe driving, every applicant shall undertake a test within seven days of submitting an application under rule 10, electronically on a Portal, subject

to availability, either accessed by the applicant himself or with the help of a Facilitation Centre consisting of questions of objective type as specified in Annexure VI, to test the applicant's knowledge and understanding of the matters specified in sub-rule (2). : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

12. : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

13. (4) Applicant shall be deemed to have successfully passed the test specified under sub-rule (3), if the applicant correctly answers at least 60 per cent. of the questions put to him. : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

14. Nothing contained in : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

15. sub-rule (1) and (3) shall apply to the following class of applicants, namely: - : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

16. : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

17. the holder of an effective driving licence; the holder of a driving licence which has expired; the holder of a learner's licence issued or reissued prior to the commencement of these rules; : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

18. : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

19. the holder of a certificate to the effect of the possession of adequate knowledge and understanding of the matters referred to in rule 24, issued by any driving school or establishment referred to in section 12 of the Act.] : Rule (11) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 12 ~ Consent of parent or guardian, in the case of application by minor.

In the case of an application for a learner's licence to drive a [motor cycle without gear](#) by an applicant under the proviso to sub-section (1) of section 4, the application shall be signed by the parent or guardian of the applicant.

1. motor cycle without gear : Substituted for "motor cycle with engine capacity not exceeding 50cc" by GSR 76(E), dt. 31/01/2000 (w.e.f. 31/01/2000) [Download GSR 76(E)]

Rule 13 ~ Form of learners licence.

(1) [Subject to sub-section (4) of section 8 of the Act, every learner's licence shall be issued electronically by the licensing authority in printable Form 3, immediately upon the successful satisfaction of the conditions specified under rule 11.]

(2) Pursuant to sub-section (6) of section 8 of the Act, learner's license may be issued in electronic form by the licensing authority after verifying the identity of the applicant through e-signature as specified under the provisions of the Information Technology Act, 2000 (21 of 2000) or verified by any other mode of signature or verification as notified by the Central Government.]

► OLD RULE:

1. [Subject to sub : Rule (13) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

2. -section (4) of section 8 of the Act, every learner's licence shall be issued electronically by the licensing authority in printable Form 3, immediately upon the successful satisfaction of the conditions specified under rule 11. : Rule (13) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

3. : Rule (13) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

4. (2) Pursuant to sub-section (6) of section 8 of the Act, learner's license may be issued in electronic form by the licensing authority after verifying the identity of the applicant through e-signature as specified under the provisions of the Information Technology Act, 2000 (21 of 2000) or verified by any other mode of signature or verification as notified by the Central Government.] : Rule (13) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 14 ~ Application for a driving licence.

(1) [An application for a driving licence shall be made in Form 4 and shall be accompanied by,—

- a. an effective learner's licence to drive the vehicle of the type to which the application relates;
- b. appropriate fee as specified in rule 32, for the test, or the subsequent test, as the case may be, of competence to drive for each class and for issue of licence;
- c. the applicant's recent passport size photograph;
- d. save as otherwise provided in rule 6, a medical certificate in Form 1-A in case of an application for license to drive a transport vehicle;
- e. in the case of an application for driving license to drive a transport vehicle, a driving certificate in Form 5 issued by the school or establishment from where the applicant received instruction, if any.
- f. proof of residence and age;
- g. certificate from Accredited Driver Training Center in Form 5B as per rule 31E, if any;]

(2) An application for an International Driving permit shall be made online through the portal www.parivahan.gov.in in Form 4A electronically, either accessed by the applicant himself or with the help of a Facilitation Centre, or otherwise and shall be accompanied by —~

- a. valid driving licence issued by the licensing authority under these rules;
- b. appropriate fee as specified in rule 32;
- c. [x x x] the applicant's recent passport photograph;
- d. valid proof of Indian Nationals;
- e. valid proof of passport;.

► **OLD RULE:**

► **OLD RULE:**

1. [An application for a driving licence shall be made in Form 4 and shall be accompanied by,— : Rule 14 substituted by GSR 714(E), dt. 20/09/2022 (w.e.f. 20/09/2022). [Download GSR 714(E)]
2. An application for an International Driving permit shall be made online through the portal www.parivahan.gov.in in Form 4A : Sub-Rule (2) substituted by GSR 15(E), dt. 07/01/2021 (w.e.f. 07/01/2021). [Download GSR 15(E)]
3. electronically, either accessed by the applicant himself or with the help of a Facilitation Centre, or otherwise : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. and shall be accompanied by : Sub-Rule (2) substituted by GSR 15(E), dt. 07/01/2021 (w.e.f. 07/01/2021)
5. : Sub-Rule (2) substituted by GSR 15(E), dt. 07/01/2021 (w.e.f. 07/01/2021)
6. —~ : Sub-Rule (2) substituted by GSR 15(E), dt. 07/01/2021 (w.e.f. 07/01/2021)
7. [x x x] : Omitted the words "three copies of" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
8. [Form 2] : Substituted for "Form 4" by GSR 243(E), dt. 20/03/2018 (w.e.f. 20/03/2018).
9. [appropriate fee as specified in rule 32, for the test, or the subsequent test, as the case may be, of competence to drive for each class and for issue of licence;] : Substituted by GSR 1183(E), dt. 29/12/2016 (w.e.f. 29/12/2016)
10. [x x x] : Omitted the words "three copies of" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021)
11. passport size photograph; : Substituted for "photograph of the size of five centimeters by six centimeters" by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989).
12. [in case of an application for license to drive a transport vehicle;] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021)
13. in the case of an application : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021)
14. for driving license to drive a transport vehicle,] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021)
15. Certificate from accredited driver training Center in Form 5B as per rule 31E, if any; : Inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021)
16. [proof of residence and age] : Proof of residence was inserted by GSR 276(E), dt.

10/04/2007 (w.e.f. 10/04/2007); and the words "and age" inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021)

17. [x x x x] : Clause "(g) omitted by G. S. R. 708(E) dt. 30/08/2010 w.e.f 30/08/2010)

18. [x x x x] : Clause "(h) proof of citizenship" Omitted by G. S. R. 708(E) dt. 30/08/2010 w.e.f 30/08/2010)

Rule 15 ~ Driving test.

(1) No person shall appear for the test of competence to drive unless he has held a learner's licence for a period of at least thirty days [\[except in case of a test of competence required for renewal of driving license;\]](#)

(1A) [\[No person shall appear for the test of competence to drive an adapted vehicle unless he brings a duly registered adapted vehicle for the driving test.\]](#)

(2) The test of competence to drive referred to in sub-section (3) of section 9 shall be conducted by the licensing authority or such other person as may be authorised in this behalf by the State Government in a vehicle of the type to which the application relates.

[Provided that the holder of certificate in Form 5B shall be exempted from requirement of driving test.](#)

(3) The applicant shall satisfy the person conducting the test that he is able to—

- a. adjust [rear-view mirror or device for indirect vision](#);
- b. take suitable precautions before starting the engine;
- c. move away safely and smoothly straight ahead at an angle, while at the same time engaging all gears until the top gear is reached;
- d. to change to the lower gears quickly from the top gear when the traffic conditions warrant such change;
- e. change quickly to lower gears when driving downhill;
- f. stop and re-start the vehicle on a steep upward incline making proper use of the hand-brake or of the throttle and the foot-brake without any rolling back, turn right and left corners correctly and make proper use of the [rear-view mirror or device for indirect vision](#) before signalling;

- g. overtake, allow to be overtaken, meet or cover the path of other vehicles safely and take an appropriate course of the road with proper caution giving appropriate signals;
- h. give appropriate traffic signals at the appropriate time, in clear and unmistakable manner by hand or by electrical indicators fitted to the vehicle;
- i. change the lanes with proper signals and with due care;
- j. stop the vehicle in an emergency or otherwise, and in the latter case, bring it to rest at an appropriate course on the road safely, giving appropriate signals;
- k. in the case of vehicle having a reverse gear, driving the vehicle backwards, reverse it into a limited opening either to the right or left under control and with reasonable accuracy;
- l. cause the vehicle to face in the opposite direction by means of forward and reverse gears;
- m. take correct and prompt action on the signals given by traffic signs, traffic lights, traffic controllers, policemen and take appropriate action on signs given by other road users;
- n. act correctly at pedestrian crossings, which is not regulated by traffic lights or traffic police, by giving preference to persons crossing the roads;
- o. keep well to the left in normal driving;
- p. regulate speed to suit varying road and traffic conditions;
- q. demonstrate general control of the vehicle by confident steering and smooth gear changing and braking as and when necessary;
- r. make proper use of the [rear-view mirror or device for indirect vision](#) before signalling, beginning manoeuvring, moving away, altering the course to overtake, turning right or stopping;
- s. use proper side when driving straight, turning right, turning left and at junction of the road;
- t. make proper use of accelerator, clutch, gears, brakes (hand and foot) steering and horn;

- u. anticipate the actions of pedestrians, drivers of other vehicles and cyclists;
- v. take precautions at cross roads and on road junctions with regard to:—
 - (i) adjustment of speed on approach,
 - (ii) proper use of [rear-view mirror or device for indirect vision](#),
 - (iii) correct positioning of the vehicle before and after turning to the right or left,
 - (iv) avoidance of cutting right hand corners,
 - (v) looking right, left and right again before crossing or emerging;
- w. concentrate in driving without his attention being distracted and to demonstrate the presence of mind;
- x. show courtesy and consideration for the safety and convenience of other road users, such as pedestrians, drivers of other motor vehicles or cyclists.

1. [except in case of a test of : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. competence required for renewal of driving license;] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. [No perso : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. n shall appear for the test of competence to drive an adapted vehicle unless he brings a duly registered adapted vehicle for the driving test.] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
5. Provided that the holder of certificate in Form 5B shall be exempted from requirement of driving test. : Inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]
6. rear-view mirror or device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]
7. rear-view mirror or device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]
8. rear-view mirror or device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]

9. rear-view mirror or device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]

Rule 16 ~ Form of driving licence.

(1) Every driving licence issued or renewed by a licensing authority shall be in [\[Form of a laminated card type without a chip or Smart Card type in Form 7 confirming to the specifications stipulated in Annexure XI.\]](#)

(2) Where the licensing authority has the necessary apparatus, [\[for the issue of a Smart Card type driving licence, such\]](#) card type or Smart Card type driving licence, as may be specified in the Notification issued by the concerned State Government or Union Territory Administration, shall be in Form 7.

(3) [\[x x x x\]](#)

(4) [Every International Driving Permit issued by a licensing authority shall be [\[issued either electronically or otherwise\]](#) in Form 6-A and shall be valid for a period of not more than one year from the date of issue, as the case may be, or till the validity of the driving licence, whichever is earlier.

(5)[\[The automobile associations authorised by the State Government/ Union Territory Administration shall be allowed to issue International Driving Permit to their own members as also others subject to counter-signature by competent authority.\]](#)

(6) [\[Every driving licence issued or renewed by a licensing authority to drive an E-rickshaw or E-cart shall be valid for a period of not more than three years from the date of issue, as the case may be, or till the validity of the driving licence, whichever is earlier\]](#)

► OMITTED RULE:

1. [Form of a laminated card type without a chip or Smart Card type in Form 7 confirming to the specifications stipulated in Annexure XI.] : Substituted by GSR 174(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 174(E)]
2. [for the issue of a Smart Card type driving licence, such] : Substituted by GSR 400(E),

dt. 31/05/2002 (w.e.f. 31/05/2002). [Download GSR 400(E)]

3. [x x x x] : Substituted by GSR 174(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 174(E)]

4. [issued either electronically or otherwise] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

5. [The automobile associations authorised by the State Government/ Union Territory Administration shall be allowed to issue International Driving Permit to their own members as also others subject to counter-signature by competent authority.] : Sub Rule (4) & (5) inserted by G.S.R 720(E), dated 10-10-2003 (w.e.f. 10-10-2003) [Download GSR 720(E)]

6. [Every driving licence issued or renewed by a licensing authority to drive an E-rickshaw or E-cart shall be valid for a period of not more than three years from the date of issue, as the case may be, or till the validity of the driving licence, whichever is earlier] : Inserted by G.S.R 709(E), dated 08-10-2014 (w.e.f. 08-10-2014). [Download GSR 709(E)]

Rule 17 ~ Addition to driving licence.

(1) An application for addition of another class or description of motor vehicle to the driving licence shall be made in [\[Form 2\]](#) to the licensing authority and shall be accompanied by—

- a. An effective learner's licence and driving licence held by the applicant;
- b. [\[in the case of an application for transport vehicle excluding E-rickshaw or E-cart, the driving license held by the applicant;\]](#)

[\[Provided that on and after the first day of July 2018, an application for addition of heavy goods vehicle or heavy passenger motor vehicle, as the case may be, shall be accompanied by driving certificate in Form 5A\]](#)

- c. [\[x x x x\]](#)
- d. Appropriate fee as specified in rule 32
- e. [\[save as otherwise provided in rule 6, a medical certificate in Form 1A in case of an application for addition to license to drive a transport vehicle;\]](#)

(2) The provisions of sub-section (1), sub-section (3) and sub-section (4) of section 9 shall, insofar as may be, apply in relation to an application under sub-section (1) as they apply in relation to an application for the grant of a driving licence.

(3) [Pursuant to sub-section (2) of section 11 of the Act, the license with additions may be issued by the licensing authority after verifying the identity of the applicant through e-signature as specified under the provisions of the Information Technology Act, 2000 (21 of 2000) or verified by any other mode of signature or verification as notified by the Central Government.]

1. [Form 2] : Substituted for "Form 8" by GSR 243(E), dt. 20/03/2018 (w.e.f. 20/03/2018).
[Download GSR 243(E)]
2. [in the case of an application for transport vehicle excluding E-rickshaw or E-cart, the driving license held by the applicant;] : Substituted by GSR 27(E), dt. 13/01/2015 (w.e.f. 13/01/2015). [Download GSR 27(E)]
3. [Provided that on and after the first day of July 2018, an application for addition of heavy goods vehicle or heavy passenger motor vehicle, as the case may be, shall be accompanied by driving certificate in Form 5A] : Inserted by G.S.R 454(E), dated 15-05-2018 (w.e.f. 15-05-2018). [Download GSR 454(E)]
4. [x x x x] : Clause (c) omitted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989)
[Download GSR 933(E)]
5. [save as otherwise provided in rule 6, a med : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
6. ical certificate in Form 1A in case of an application for addition to license to drive a transport vehicle;] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).
[Download GSR 240(E)]
7. [Pursuant to sub : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).
[Download GSR 240(E)]
8. -section (2) of section 11 of the Act, the license with additions may be issued by the licensing authority after verifying the identity of the applicant through e-signature as specified under the provisions of the Information Technology Act, 2000 (21 of 2000) or verified by any other mode of signature or verification as notified by the Central Government.] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 17A ~ Permanently surrendering a class or classes of vehicles from the driving licence.

(1) [Any person holding a driving license to drive one or more classes of motor vehicles, whether effective or expired, may apply, to any licensing authority in the State in which he resides or carries on business, for permanently surrendering a class or classes of vehicles from the driving license, in Form 8 along with the driving licence held by the applicant and appropriate fee as specified in rule 32.]

(2) Within seven days from the receipt of the application under sub-rule (1), the licensing authority shall delete the class or classes of motor vehicle from the applicant's driving license, for which the application has been made.

(3) For the purposes of surrendering a class or classes of motor vehicles for which the license has expired, its renewal shall not be required.]

1. [Any person : Rule (17A) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).

[Download GSR 240(E)]

2. holding a driving license to drive one or more classes of motor vehicles, whether effective or expired, may apply, to any licensing authority in the State in which he resides or carries on business, for permanently surrendering a class or classes of vehicles from the driving license, in Form 8 along with the driving licence held by the applicant and appropriate fee as specified in rule 32. : Rule (17A) inserted by GSR 240(E), dt.

31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 18 ~ Renewal of driving licence.

(1) An application for the renewal of a driving licence shall be made in [Form 2] to [any licensing authority in the state] in which the applicant ordinarily resides or carries on business and shall be accompanied by—

a. appropriate fee as specified in rule 32;

b. [applicant's recent passport size photograph,]

c. the driving licence,

- d. [in the case of an application for renewal of license to drive a transport vehicle the medical certificate in Form 1A or in the case of an application for renewal of license to drive a non-transport vehicle if the applicant has attained the age of forty years;]
- e. [a certificate in Form 5A if renewal is for a licence to drive a heavy goods vehicle and a heavy passenger motor vehicle.]

(2) Where the driving licence authorises the holder of such licence to drive a transport vehicle as well as any other vehicle, then the licensing authority shall, subject to the production of medical certificate, renew such licence for the appropriate period as specified in sub-section (2) of section 14.

(3) [Where the licensing authority renewing the driving licence is not the licensing authority who issued the driving licence the fact of the renewal shall be intimated to the licensing authority who issued the driving licence.]

Provided that recording of the renewal of driving license on the Portal for driving license or the Portal for National Register of Driving License shall be deemed to be sufficient intimation to the licensing authority who issued the driving license for the purpose of sub-rule (3).]

(4) [If the application for renewal of a driving license is made after the date of its expiry, the licensing authority shall not require an effective learner's license to drive the vehicle of the type to which the application relates.]

► **OLD RULE:**

1. [Form 2] : Substituted for "Form 9" by GSR 243(E), dt. 20/03/2018 (w.e.f. 20/03/2018).
[Download GSR 243(E)]
2. [any licensing authority in the state] : Substituted for the words "the licensing authority having jurisdiction over the area" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).
[Download GSR 240(E)]
3. [applicant's recent passport size photograph,] : Substituted by GSR 174(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 174(E)]
4. [in t : Clause (d) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021); prior C.(d) read as "the medical certificate in Form 1A". [Download GSR 240(E)]

5. he case of an application for renewal of license to drive a transport vehicle the medical certificate in Form 1A or in the case of an application for renewal of license to drive a non-transport vehicle if the applicant has attained the age of forty years;] : Clause (d) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021); prior C.(d) read as "the medical certificate in Form 1A". [Download GSR 240(E)]
6. [a certificate in Form 5A if renewal is for a licence to drive a heavy goods vehicle and a heavy passenger motor vehicle.] : Inserted by G.S.R 440(E), dated 21-06-2019 (w.e.f. 21-06-2019). [Download GSR 440(E)]
7. [Where the licensing authority renewing the driving licence is not the licencing authority who issued the driving licence the fact of the renewal shall be intimated to the licensing authority who issued the driving licence. : Inserted by GSR 276(E) dated 10/04/2007 (w.e.f. 10/04/2007) [Download GSR 276(E)]
8. Provided that recording of the renewal of driving license on the Portal for driving license or the Portal for : Proviso 1 & 2 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
9. National Register of Driving License shall be deemed to be sufficient intimation to the licensing authority who issued the driving license for the purpose of sub-rule (3).] : Proviso 1 & 2 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
10. [If the application for renewal of a driving license : Sub Rule (4) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
11. is made after the date of its expiry, the licensing authority shall not require an effective learner's license to drive the vehicle of the type to which the application relates.] : Sub Rule (4) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 18A ~ Issuance of duplicate driving licence.

[In case of an application for issuance of a duplicate driving licence which has been lost, torn or mutilated such that the identification or authenticity of the document cannot be reasonably established, the licensing authority receiving such application shall, in case the driving license details are available on the Portal, issue the duplicate driving licence:]

Provided that if the driving license details are not available on the Portal, the licensing authority receiving the application for issuance of a duplicate driving license shall issue the

driving license on confirmation from the original licensing authority, electronically through the Portal.]

1. [In case of an application for issuance of a duplicate driving licence which has been lost, torn or mutilated such that the identification or authenticity of the document cannot be reasonably established, the licensing authority receiving such application shall, in case the driving license details are available on the Portal, issue the duplicate driving licence: : Rule (18A) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).
[Download GSR 240(E)]

Rule 19 ~ Refund of fee.

Where the licensing authority rejects an application for the renewal of a driving licence under sub-section (5) of section 15, it shall refund half of the fee paid for such renewal to the applicant, on an application made by him in that behalf not later than thirty days from the date of receipt of the order rejecting the application.

Rule 20 ~ Driving licence to drive motor vehicle belonging to the Defence Department.

The authorities for the purpose of sub-section (1) of section 18 shall be—

- i. all the officers-commanding of Units of Army of and above the rank of Major;
- ii. all the officers-commanding of Units of Navy of and above the rank of Lieutenant Commander;
- iii. all the officers-commanding of Units of Air Force of and above the rank of Squadron Leader.

Rule 21 ~ Powers of licensing authority to disqualify.

(1) For the purpose of clause (f) of sub-section (1) of section 19, the commission of the following acts by holder of a driving licence shall constitute nuisance or danger to the public, namely:—

1. Theft of motor vehicle.
2. Assault on passengers.

3. Theft of personal effects of passengers.
4. Theft of goods carried in goods carriages.
5. Transport of goods prohibited under any law.
6. Driver, while driving a transport vehicle, engages himself in activity which is likely to disturb his concentration.
7. Abduction of passengers.
8. Carrying overload in goods carriages.
9. [\[x x x x\]](#)
10. Carrying persons in goods carriage, either inside the driver's cabin in excess of its capacity or on the vehicle, whether for hire or not.
11. Failing to comply with the provisions of section 134.
12. Failure to stop when signaled to do so by any person authorised to do so.
13. Misbehaviour with and showing discourtesy to passengers, intending passengers or consignors and consignees of goods.
14. Smoking while driving public service vehicles.
15. Abandoning vehicle in a public place causing inconvenience to other road users or to passengers in the vehicle.
16. [\[x x x x\]](#)
17. Interfering with any person mounting or preparing to mount upon any other vehicle.
18. Allowing any person to sit or placing things in such a way as to impede the driver from having a clear vision of the road or proper control of the vehicle.
19. Not stopping a stage carriage at approved stopping places for a sufficient period of time in a safe and convenient position upon demand or signal of the conductor or any passenger desiring to alight from the vehicle and unless there is no room in the vehicle, upon demand or signal of any person desiring to becoming a passenger.

20. Loitering or unduly delaying any journey and not proceeding to the destination as near as may be in accordance with the time table pertaining to the vehicle, or, where there is no such time table, with all reasonable despatch.
21. Not driving a contract carriage, in the absence of a reasonable cause, to the destination named by the hirer by the shortest route.
22. The driver of a motor cab not accepting the first offer of hire which may be made to him irrespective of the length of the journey for which such offer is made.
23. The driver of a motor cab demanding or extracting any fare in excess to that to which he is legally entitled or refusing to ply motor cab.
24. Abandoning a transport vehicle as a mark of protest or agitation of any kind or strike in a public place or in any other place in a manner causing obstructions and inconvenience to the public or passengers or other users of such places.
25. [\[x x x x\]](#)

(2) [\[Details of driving licences disqualified or revoked by the licensing authority shall be recorded chronologically in the portal and such record shall be reflected on a regular basis on the portal.\]](#)

► **OMITTED RULE:**

1. [x x x x] : Omitted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. [x x x x] : Omitted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. [x x x x] : Omitted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. [Details of driving licences disqualified or revoked by the licensing authority shall be recorded chronologically in the portal and such record shall be reflected on a regular basis on the portal.] : Substituted by G.S.R 584(E), dated 25-09-2020 (w.e.f. 25-09-2020). [Download GSR 584(E)]

Rule 21A ~ Placing names in public domain.

(1) [Subject to sub-section (2) and (3) of section 19, upon revocation of a driving licence by an order passed by the licensing authority under sub-section (1A) of section 19 of the Act,

- i. if an appeal is made by any person aggrieved by the order against the order under sub-section (3) of section 19 of the Act and the appeal is dismissed by the appellate authority or
- ii. if an appeal is not made by any person aggrieved within one month from the date of the order passed by the licensing authority then, such licensing authority may display the particulars of the holder of such licence on the Portal, in a separate section titled 'Revocation of Driving License under sub-section (1A) of section 19 of the Act', in a machine readable electronic, printable, shareable form in portable document format (pdf), for access by the general public.

(2) For the purposes of sub-rule (1), the following particulars about the holder of the revoked driving license shall be displayed on the Portal for six months:

- i. The name;
- ii. the driving licence number which has been revoked.]

1. [Subject to sub : Rule (21A) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. -section (2) and (3) of section 19, upon revocation of a driving licence by an order passed by the licensing authority under sub-section (1A) of section 19 of the Act, : Rule (21A) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 22 ~ Endorsement by Courts.

A Court convicting a holder of a licence, for any one of the offences specified hereunder, shall endorse or cause to be endorsed in the driving licence, the particulars of such conviction, namely:—

- a. Driving without a licence, or without a licence which is effective, or without a licence applicable to the vehicle driven (section 3).

- b. Allowing a licence to be used by another person (section 6(2)).
- c. Driving when disqualified (section 23).
- d. Driving an unregistered vehicle (section 39).
- e. Driving a transport vehicle not covered by a certificate of fitness (section 56).
- f. Driving a transport vehicle in contravention of section 66.
- g. Driving in contravention of rule 118.
- h. Failure to comply with provisions of section 114.
- i. Refusing or failing within specified time to produce licence or certificate of registration (section 130).
- j. Failing to stop vehicle as required under section 132.
- k. Obtaining or applying for a licence without giving particulars of endorsement (section 182).
- l. Driving at excessive speed (section 183).
- m. Driving dangerously (section 184).
- n. Driving while under the influence of drink or drugs (section 185).
- o. Driving when mentally or physically unfit to drive (section 186).
- p. Abetment of an offence punishable under section 183 or 186.
- q. Abetment of offence specified in section 188.
- r. Taking part in an unauthorised race or trial of speed, (section 189).
- s. Using vehicle in unsafe condition (section 190).
- t. Driving vehicle exceeding punishable limit or weight (section 194).
- u. Altering a licence or using an altered licence.
- v. An offence punishable with imprisonment in the commission of which a motor vehicle was used.

Rule 23 ~ National Register of driving licences.

- (1) [\[The Central Government shall notify and maintain a Portal for National Register of Driving Licenses, which shall be a repository of electronic records containing all particulars pertaining to licenses issued and renewed in each State in Form 10A.\]](#)
- (2) Data on such Portal shall be retained, stored and preserved in a machine readable electronic, printable, shareable form.
- (3) Those states which have not transmitted all information including contained data in the State Register of Driving Licenses to the Central Government, shall electronically transmit all information including contained data in the State Register of Driving Licenses in Form 10A to the Central Government within six months from the date of commencement of the notification for collating electronic records on the Portal for National Register of Driving Licenses.]

► OLD RULE:

1. [The Central Government shall : Rule (23) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. notify and maintain a Portal for National Register of Driving Licenses, which shall be a repository of electronic records containing all particulars pertaining to licenses issued and renewed in each State in Form 10A. : Rule (23) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 23A ~ Access and Updation of the National Register of Driving Licenses by Licensing Authorities.

- (1) [\[The Portal for National Register of Driving Licenses shall be used by Licensing Authorities or such authorised officers designated by the State Government in each State to, -](#)
 - i. access electronic records available on the Portal for National Register of Driving Licenses;

- ii. electronically update any particulars pertaining to licenses, in real time, in accordance with the provisions of the Act and these rules;
- iii. create a new electronic record in real time, in respect of any driving license issued or renewed by the licensing authority.

(2) The Portal for National Register of Driving Licenses shall, at all times, display the date and time of the creation of or last updation made to any electronic record contained in the Portal for National Register of Driving Licenses, by any licensing authority.

(3) In order to access the Portal for National Register of Driving Licenses for the purposes of sub-rule (1), any licensing authority or such authorised officers designated by the State Government shall require valid login credentials.

(4) The Central Government may specify the manner of authentication of every electronic record created or updated by any licensing authority on the Portal for National Register of Driving Licenses.]

1. [The Portal for National Register of Drivin : Rule (23A) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. g Licenses shall be used by Licensing Authorities or such authorised officers designated by the State Government in each State to, - : Rule (23A) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 23B ~ Duty of licensing authorities to Update National Register of Driving Licenses.

[Every licensing authority shall be responsible for,-

- i. electronically updating any change in particulars pertaining to licenses on the Portal for National Register of Driving Licenses immediately, in real time;
- ii. creating a new electronic record in real time, in respect of any driving license issued or renewed by him.]

1. [Every licensing : Rule (23B) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

2. authority shall be responsible for,- : Rule (23B) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 23C ~ Access to National Register of Driving Licenses.

[Electronic records preserved and retained in the Portal for National Register of Driving Licenses may be accessed by such agencies or organisations as the Central Government may deem fit.]

1. [Electronic records preserved and retained in the : Rule (23C) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. Portal for National Register of Driving Licenses may be accessed by such agencies or organisations as the Central Government may deem fit.] : Rule (23C) inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 24 ~ Driving schools and establishments.

(1) No person shall establish or maintain any driving school or establishment for imparting instructions for hire or reward in driving motor vehicles without a licence in Form 11 granted by the licensing authority.

(2) An application for the grant or renewal of a licence under sub-rule (1) shall be made in Form 12 or Form 13, as the case may be, to the licensing authority having jurisdiction in the area in which the school or establishment is situated and shall be accompanied by appropriate fee as specified in rule 32.

Explanation : For the purposes of this rule and rules 25 to 28 "licensing authority" means an officer not below the rank of the Regional Transport Officer of the Motor Vehicles Department established under section 213.

(3) The licensing authority shall, when considering an application for the grant or renewal of a licence under this rule, have regard to the following matters, namely:—

- i. the applicant and the staff working under him are of good moral character and are qualified to give driving instructions;
- ii. the premises where the school or establishment is proposed to be conducted is either owned by the applicant or is taken on lease by him or is hired in his name and it has

adequate provision for [\[conducting lecture and demonstration of models\]](#) besides adequate parking area for the vehicles meant to be used for imparting instructions in driving:

Provided that in respect of schools or establishments imparting instructions in driving of motor vehicles or matters connected therewith immediately before the commencement of these rules, the licensing authority may permit the conducting of instruction facilities in the same premises where the school or establishment is housed for a period of six months, notwithstanding the fact that the premises do not satisfy the conditions laid down in this clause;

- iii. the financial resources of the proposed school or establishment are sufficient to provide for its continued maintenance;
- iv. the applicant owns and maintains a minimum of one motor vehicle each of the type in which instruction is imparted in the school or establishment;
- v. the vehicles are available exclusively for purposes of imparting instruction and all such vehicles, except motor cycles, are fitted with dual control facility to enable the instructor to control or stop the vehicle;
- vi. the applicant maintains the following apparatus, equipment and other requirements, namely:—
 - (a) a blackboard,
 - (b) a road plan board with necessary model signals and charts,
 - (c) traffic signs chart,
 - (d) chart on automatic signals and signals given by traffic controllers where there are no automatic signals,
 - (e) a service chart depicting a detailed view of all the components of a motor vehicle,
 - (f) engine gear box, [\[brake shoe and drums\]](#) (except where the applicant desires to impart instruction in the driving of motor cycles only),
 - (g) puncture kit with tyre lever, wheel brace, jack and tyre pressure gauge,

(h) spanners (a set each of fix spanners, box spanners, pliers, screw drivers, screw spanners, and hammer),

(i) driving instructions manual,

(j) benches and tables for trainees and work bench,

(k) [x x x x]

(l) [x x x x]

(m) a [collection] of books on automobile mechanism, driving, road safety, traffic regulations, laws relating to motor vehicles and related subjects [x x x]

(n) a fully equipped first-aid box for use in emergency at the premises;

vii. [x x x x]

viii. The applicant or any member of the staff employed by him for imparting instructions possesses the following qualifications, namely:—

(a) a minimum educational qualification of a pass in the 10th standard,

(b) a minimum driving experience of five years in addition to a certificate in a course in motor mechanics or any other higher qualification in mechanical engineering from an institution established by the Central or a State Government or from an institution recognised by the Board of Technical Education of a State Government,

(c) thorough knowledge of traffic signs specified in the Schedule to the Act and the regulations made under section 118,

(d) ability to demonstrate and to explain the functions of different components, parts of the vehicles,

(e) adequate knowledge of English or the regional language of the region in which the school or establishment is situated:

Provided that any person who has served as an instructor for a period of not less than five years immediately before the commencement of these rules, is exempted from the requirements of this sub-clause.

(4) The licensing authority may, on receipt of an application under sub-rule (2) and after satisfying that the applicant has complied with the requirements of sub-rule (3), grant or renew a licence in Form 11 [\[within a period of ninety days from receipt of such an application.\]](#)

(5) No application for licence shall be refused by the licensing authority unless the applicant is given an opportunity of being heard and reasons for such refusal are given in writing by the licensing authority.

1. [conducting lecture and demonstration of models] : Substituted by GSR 933(E), dt. 28/10/1989 for "a lecture hall, room for demonstration of models, administrative section, reception room and sanitary block" (w.e.f. 28/10/1989).
2. [brake shoe and drums] : Substituted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]
3. [x x x x] : Omitted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]
4. [x x x x] : Omitted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]
5. [collection] : Substituted for "library consisting" by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]
6. [x x x] : Omitted the words "English and regional languages" by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]
7. [x x x x] : Clause (vii) omitted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]
8. [within a period of ninety days from receipt of such an application.] : Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

Rule 25 ~ Duration of a licence and renewal thereof.

A licence granted in Form 11 shall be in force for a period of five years and may be renewed on an application in Form 13 made to the licensing authority which granted the licence not less than sixty days before the date of its expiry:

[\[Provided that the validity of the said licence shall be subject to fulfilling the criteria as prescribed by the State Government, which shall be certified by the licensing authority or any other authority as may be prescribed for the purpose by the State Government on an annual basis.\]](#)

1. [Provided that the validity of the said licence shall be subject to fulfilling the criteria as prescribed by the State Government, which shall be certified by the licensing authority or any other authority as may be prescribed for the purpose by the State Government on an annual basis.] : Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005).
[Download GSR 589(E)]

Rule 26 ~ Issue of duplicate licence.

- (1)** If at any time a licence granted under sub-rule (4) of rule 24 is lost or destroyed, the holder of the licence shall forthwith intimate the loss to the licensing authority which granted the licence and shall apply in writing to the said authority, for a duplicate.
- (2)** On receipt of an application along with the appropriate fee as specified in rule 32, the licensing authority shall issue a duplicate licence clearly marked "Duplicate".
- (3)** If after the issue of a duplicate licence, the original is found, the same shall be surrendered forthwith to the licensing authority by which it was issued.

Rule 27 ~ General conditions to be observed by the holder of a licence.

The holder of a licence granted under rule 24 shall,—

- a. maintain on an annual basis, a register in Form 14 [\[electronically on a Portal\]](#) and an alphabetical list of the names of the students admitted during the year;
- b. conduct the training course according to the syllabus specified in rule 31;
- c. [\[x x x x\]](#)
- d. issue to every student who has completed the course a certificate in Form 5;
- e. submit to the licensing authority which granted the licence such information or return as may be called for by it from time to time for the purposes of this Chapter;
- f. not shift the school or establishment from the premises mentioned in the licence without the prior approval in writing of the licensing authority, which granted the licence;
- g. keep the premises of the school or establishment and the record and registers maintained by it at all reasonable times open for inspection by the licensing authority or by any

person authorized in this behalf by the licensing authority;

- h. exhibit in a conspicuous manner on all the motor vehicles used for imparting instructions the name, full address of the school or establishment and the telephone number, if any, in bold letters;
- i. maintain a record separately for each trainee showing the number of driving hours spent every day in Form 15;
- j. display at a prominent place in its office the following:—
 - (i) the licence in original issued to the school or establishment by the licensing authority, and
 - (ii) the names and addresses of instructors employed by the school or establishment;
- k. not act in a manner calculated to mislead any person making an application to receive instructions from the school or establishment as to his ability to procure a licence for such person other than in accordance with these rules or to connive with any person in acts of commission or omission with a view to circumventing the provisions of this Chapter.

1. [electronically on a Portal] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. [x x x x] : Clause (c) omitted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]

Rule 28 ~ Power of the licensing authority to suspend or revoke licence.

- (1)** If the licensing authority which granted the licence is satisfied, after giving the holder of the licence an opportunity of being heard, that he has—
- a. failed to comply with the requirements specified in sub-rule (3) of rule 24; or
 - b. failed to maintain the vehicles in which instructions are being imparted in good condition; or
 - c. failed to adhere to the syllabus specified in rule 31 in imparting instruction; or
 - d. violated any other provision of rule 27,

it may, for reasons to be recorded in writing, make an order,—

- (i) suspending the licence for a specified period; or
- (ii) revoking the licence.

(2) Where the licence is suspended or revoked under sub-rule (1), the licence shall be surrendered to the licensing authority by the holder thereof.

Rule 29 ~ Appeal.

Any person aggrieved by any order of the licensing authority under sub-rule (5) of rule 24, rule 25 or rule 28 may, within thirty days of the date of receipt of such order, appeal to the Head of the Motor Vehicles Department established under section 213.

Rule 30 ~ Procedure for appeal.

(1) An appeal under rule 29 shall be preferred in duplicate in the form of a memorandum, setting forth the grounds of objections to the order of the licensing authority and shall be accompanied by a certified copy of the order appealed against and appropriate fee as specified in Rule 32.

(2) The appellate authority, after giving an opportunity to the parties to be heard and after such further enquiry, if any, as it may deem necessary, pass appropriate orders [\[within a period of forty five days from the date of receipt of such an appeal.\]](#)

1. [within a period of forty five days from the date of receipt of such an appeal.] : Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 240(E)]

Rule 31 ~ Syllabus for imparting instructions in driving of motor vehicles.

(1) The syllabus for imparting instructions in driving of motor vehicles of the schools or establishments shall be as follows (see tables below):—

A. DRIVING THEORY—I

A. DRIVING THEORY—I		
1	Know your vehicle:	Simple introduction to automobile engines and their working
2	<i>Vehicle control</i>	
	Foot controls	Foot brake, accelerator, clutch-dipper (not in present models).
	Hand controls	Steering wheel, hand brake, horn, light, wipers, ignition, switch starter, dipper and indicators.
	Other controls	Rear-view mirror or device for indirect vision (right and left side mirrors), instrument cluster, gauges, dials, windscreen—their purpose
3	Pre-driving checks	Before sitting on driver's seat and After sitting on driver's seat.
4	Beginning to drive	Precautions just before moving, While moving Bitting point, Moving, Steering control, Changing of gear, Stopping, Braking, Accelerator (gradual, sudden) Traffic sense, road sense, judgment, parking and positioning according to road users, Reversing.

5	Driving on the road	Anticipation, judgment and road positioning according to other road users.
6	Driving at inter-sections	Mirror Signal and Maneuver (MSM) and Position Speed and L (PSL). Zone of vision:
7	Maneuvers	Merging and diverging maneuvers—turning maneuvers to left, right, about, 3-point turn, 5-point turn and U-turn, overtaking stationary vehicle, moving vehicle in left side and right side.
8	Reversing	Locating reverse gear in sitting position, speed control, steering in reverse gear, weaving the 'S' bend and common errors.
9	Parking	Parallel, angular, perpendicular, parking facing uphill, parking facing downhill, common errors.
10	Driver's responsibility on the road	Driving behavior, consideration for other road users, courtesy & cooperativeness, over-confidence, impatience and defensive driving. Distance between cars while driving at Railway crossing
11	Priority for certain vehicles	Emergency vehicles Fire engines, and Ambulance.

B. TRAFFIC EDUCATION—I

B. TRAFFIC EDUCATION—I		
1	Driving regulations	Road use regulations made under section 118 Motor Vehicles Act, 1988
2	Hand signals	
3	Traffic signals	Schedule to the Motor Vehicles Act, 1988
4	Hand signals of Traffic constables/Traffic warden	
5	Introduction to automatic light signals	
6	Introduction to road markings	
7	Speed regulations on highways and city roads	
8	Parking at objectionable places	
9	Some important provisions of the Motor Vehicles Act, 1988 - Sections 122, 123, 125, 126 and 128 of the Motor Vehicles Act, 1988.	
10	Test of competence to drive	Sub-rule (3) of rule 15 of the Central Motor V Rules, 1989

C. LIGHT VEHICLES DRIVING PRACTICE

C. LIGHT VEHICLES DRIVING PRACTICE

1	Identification of various parts of the vehicles	
2	Pre-driving checks	(i) Before sitting on driver's seat, and
		(ii) After sitting on driver's seat.
3	Steering practice	Push and pull method
4	Bitting point	
5	Moving and gear changing	
6	Stopping	Normal stopping
		Emergency stopping
7	Developing judgment and anticipation to drive on road	
8	Reversing	In straight
		In 'S' bends.
9	Turning about and parking	
10	Licensing	

D. VEHICLE MECHANISM AND REPAIRS

D. VEHICLE MECHANISM AND REPAIRS		
1	Layout of vehicle	
2	Function of diesel and petrol engines	
3	Fuel system	Fuel lines
		Fuel injection pump
		Automiser
		Air lock
		Oil block
4	Cooling system	Purpose
		Radiator
		Water pump
		Fan leaf/fan belt
		Radiator water boiling
5	Lubrication system	Rectification
		Purpose

			Engine lubrication
			Chassis lubrication
			Oil grade number unit wise.
6	Transmission system	(a) Clutch:	
		(b) Gear box:	
		(c) Propeller shaft:	
		(d) Differential:	

7	Suspension system	Purpose
		Springs
		Shackle, shackle pin bushes
		Shock absorber and its bushes.
8	Steering system	Purpose
		Steering geometry
		Steering linkages
		Steering box
9	Brake system	Purpose
		Hydraulic brake and its know-how
		Air assisted hydraulic brake and its know-how
		Air brake and its know-how
		Brake adjustment of the entire system
10	Electrical system	Battery and its condition
		Dynamo/Alternator

		Self-motor-Starter motor regulators
		Lights-Knowledge to read the charging rate in the Amp meter.
11	Tyres	Study of tyres
		Maintenance
		Effect of defective tyres and wheel alignment.
12	Instruments cluster, dash board meters and their purposes and functions.	

E. Medium And Heavy Vehicle Driving: Driving Theory-II

<i>E. Medium And Heavy Vehicle Driving: Driving Theory-II</i>		
1	Qualities of a good driver	Patience, responsibility, self-confidence, anticipation, concentration, courtesy, defensive driving, knowledge of road rules/regulations, knowledge of vehicle condition and maintenance and simple mechanism.
2	Knowledge	Major controls
		Minor controls
3	Response to controls	Accelerator
		Brake-Gradual/Sudden/Sudden fierce

		Clutch
		Steering
4	Pre-driving checks	(i) Before sitting on driver's seat, and
		(ii) After sitting on driver's seat.
5	Holding steering wheel	Push and pull method practice
		On the move
		While gear changing
		While turning
		While sounding horn
		While operating dash board switches
		While signaling
		On emergency
6	Gear changing	Double de-clutching, importance and procedure s clutching.
		Gear up procedure, shifting to lower gears
		Gear down procedure, shifting to higher gears.

7	Beginning to drive	I gear
		II gear
		III gear
		IV gear
		V gear
		Reverse gear
		Over drive/optional.
8	M.S.M and P.S.L Routines	
9	Manoeuvres	Passing
		Merging
		Diverging
		Overtaking
		Crossing
		Turning
		Cornering
		Reversing

		Parking
10	Stopping	Normal stopping
		Emergency stopping
		Use of engine brake/exhaust brake.
11	Stopping distance	Reaction distance
		Braking distance
12	Following distance	Meaning
		Distance method
		Car length method
		2 seconds time rule method
13	Identification, prediction, decision and execution (IPDE) principle	
14	Defensive driving techniques	Judgment
		Anticipation
		Escape route
15	Night driving	Location of head light switch

		Procedure
		Obligation to light the lamps, restriction on lighting lamps.
16	Hill driving	Starting in hill using the parking brake method
		Slipping the clutch method
		Driving uphill
		Driving downhill.
17	Emergency manoeuvres	Prevention is better than cure in case of skidding, horn struck
		Fire, wheels coming out
		Brake failure
		Broken stub axle
		Burst of front tyre
		Sterring wobbling
		Snapping of steering linkages
		Jamming of accelerator pedal
		Snapping of clutch rod

		Under special circumstances like chances of collision w disabled vehicle
		Brake failure during downhill
		Sudden obstruction in front of the vehicle
18	Driving under special conditions	In wet weather
		In dawn, dusk and misty roads
		In dense traffic.
19	Towing (trailer driving)	Procedure
		On tow board
		Speed of towing
		Reversing and positioning the vehicle with trailers.
[20]	Training on fuel efficient driving of heavy goods vehicle/heavy passenger motor vehicle	<p>(a) Driving performance test for training shall be conducted on five kilometers stretch of road to evaluate efficiency in terms of distance or fuel by using suitable op and test procedure.</p> <p>(b) Classroom or onsite training for improving fuel efficiency and vehicle maintenance shall be conducted</p>

		<p>(c) The vehicle to be used for carrying out driving test, should have capability to measure fuel consumption with accuracy of five percent.</p> <p>(d) An appropriate track of at five kilometers stretch having three speed brakes and three left or right turns, shall be provided for testing.</p> <p>(e) Training duration shall be one day.</p> <p>(f) On successful completion of training, a certificate in Form 5A shall be issued by the school or establishment.</p>
21	Reports-Discussions.	

F. Traffic Education-II

<i>F. Traffic Education-II</i>		
1	Know your road	Functional classification
		Design speeds
		Road geometrics
		Surface types and characteristics
		Slopes and elevation
2	Sight distance	At bends

		At intersections.
3	Road junctions	Principles and types
		T junctions
		Y junctions
		4-Arm junctions
		Staggered junctions
		Controlled junctions
		Uncontrolled junctions
4	Traffic islands	Types of roundabouts
		Channelisers, median
5	Bye-pass, subway, over-bridge and fly-overs	Driving procedures.
6	Bus stop, bus terminus, bus stand	Ingress
		Egress
		Method
7	Road markings	White line: continuous and broken

		Yellow line
		Land marking
		Zebra crossing
		Stop line
		Parking markings
		Sense of road signals.
8	Lane selection and lane discipline	
9	Automatic light signals	
10	Road users characteristics	Pedestrian, drunkards, children and blind, deaf and du
		Youth, aged women with children
		Slow-moving vehicles
		Mopeds and motor cycles
		Autos, tempos, vans
		Buses and trucks
		VIP, ambulance, fire engine

		Animals.
11	Accidents	Types of accidents
		Causes of accidents
		Preventive methods
		Driver's duties and responsibilities on the occurrence of accident.
12	Important provisions in Motor Vehicles Act, 1988 (59 of 1988), Central Motor Vehicles Rules, 1989, and the State Motor Vehicles Rules	Certain definitions
		Driving license and its renewal
		Carrying driving license, certificates of registration, fitness and insurance, permit taxation card or tax token and production of such document on demand by the officers.
		Traffic offences and penalties stipulated under the Act and Rules
		Relevant Extracts of Petroleum Act, 1934
		City Police Act
		Indian Penal Code, 1860

Some basic aspects about ethical and courteous behaviour with other road users.

H. Heavy Vehicle Driving Practice

<i>H. Heavy Vehicle Driving Practice</i>		
1	Introduction of various instruments	Dial gauges and controls.
2	Pre-driving checks	(i) Before sitting on driver's seat, and
		(ii) After sitting on driver's seat.
3	Beginning to drive	Bitting point, moving, changing gear including double de-clutch, steering, stopping, hand signals.
4	Rural road driving	Application of IBDE-principle
5	Development of judgment	Passing, overtaking, merging, diverging, M.S.M and P.S.L. routine method of practice, defensive driving technique, proper following.
6	Development of anticipation	Turning, meeting, entering and emerging in junctions, lane selection and lane discipline, intersection, observation.
7	Developing skill to drive in crowded streets	
8	Night driving	

9	Cross country practice and hill driving	
10	Internal-trade test.	
11	Reversing and parking practice	
12	Licensing	

I. Fire Hazards

Fire-fighting and prevention methods on vehicle.

J. Vehicle Maintenance

1	Factors affecting the vehicle parts due to bad and negligent driving
2	General day-to-day maintenance and periodical maintenance.
3	Battery maintenance
4	Tyre maintenance and tube vulcanizing
5	Engine tune up
6	Checking wheel alignment
7	Brake adjustmen

8	Accelerator, brake, clutch-pedal adjustment
9	Fan belt adjustments.
10	Observation of dash-board meters.
11	Lubrication.
12	Removal of air lock and oil block.

K. First-Aid

1	Introduction to first-aid
2	Outline of first-aid
3	Structure and functions of the body.
4	Dressings and bandages
5	The circulation of the blood.
6	Wounds and haemorrhage
7	Haemorrhage from special regions.
8	Shock.
9	Respiration

10	Injuries to bones
11	Burning scales
12	Unconsciousness (insensibility)
13	Poisons

(2) [The lessons for training drivers of non-transport vehicles shall cover Parts A, B, C, E, G and K of the syllabus referred to in sub-rule (1) and the training period shall not be less than twenty-one days:

Provided that in case of motor cycles, it shall be sufficient compliance with the provisions, if portion of Part C of syllabus as applicable to such vehicles are covered.

(3) The lessons for training drivers of transport vehicles shall cover Parts E, F, G, H, I, J and K of the syllabus referred to in sub-rule (1) and the training period shall not be less than thirty days:

Provided that this sub-rule shall not apply in respect of drivers holding driving licence to drive medium goods vehicle or medium passenger motor vehicle who had undergone the lessons after the commencement of this rule, and desiring to obtain a driving licence to drive heavy goods vehicle or heavy passenger motor vehicle.

(4) The actual driving hours for trainees in driving non-transport vehicles shall not be less than ten hours and actual driving hours for trainees in driving transport vehicles shall not be less than fifteen hours

Provided that in the case of drivers holding driving licence to drive medium goods vehicle or medium passenger motor vehicles undergoing training for heavy motor vehicles, it shall be sufficient if they undergo training in driving for a period of not less than five hours.]

(5) [Nothing in this rule shall apply in the case of an applicant whose driving licence authorises him to drive a motor cycle or a three-wheeler non-transport vehicle or a motor car, applying for a licence to drive a motor cab of the respective type, or in the case of an applicant holding a driving licence to drive a tractor, applying for a licence to drive a tractor- trailer combination.]

(6) Where any trainee possesses first-aid certificate issued by St. John Ambulance Association, he need not undergo Part K of the syllabus referred to in sub-rule (1).]

1. Rear-view mirror or device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]

2. [20] : Inserted by G.S.R 454(E), dated 15-05-2018 (w.e.f. 15-05-2018)

3. [The lessons for training drivers of non-transport vehicles shall cover Parts A, B, C, F, G and K of the syllabus referred to in sub-rule (1) and the training period shall not be less than twenty-one days: : Substituted sub rule (2), (3) & (4) by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]

4. Provided that in case of motor cycles, it shall be sufficient compliance with the provisions, if portion of Part C of syllabus as applicable to such vehicles are covered.

(3) The lessons for training drivers of transport vehicles shall cover Parts E, F, G, H, I, J and K of the syllabus referred to in sub-rule (1) and the training period shall not be less than thirty days: Provided that this sub-rule shall not apply in respect of drivers holding driving licence to drive medium goods vehicle or medium passenger motor vehicle who had undergone the lessons after the commencement of this rule, and desiring to obtain a driving licence to drive heavy goods vehicle or heavy passenger motor vehicle. (4) The actual driving hours for trainees in driving non-transport vehicles shall not be less than ten hours and actual driving hours for trainees in driving transport vehicles shall not be less than fifteen hours : Substituted sub rule (2), (3) & (4) by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]

5. Provided that in the case of drivers holding driving licence to drive medium goods vehicle or medium passenger motor vehicles undergoing training for heavy motor vehicles, it shall be sufficient if they undergo training in driving for a period of not less than five hours.] : Substituted sub rule (2), (3) & (4) by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]

6. [Nothing in this rule shall apply in the case of an applicant whose driving licence authorises him to drive a motor cycle or a three-wheeler non-transport vehicle or a motor

car, applying for a licence to drive a motor cab of the respective type, or in the case of an applicant holding a driving licence to drive a tractor, applying for a licence to drive a tractor- trailer combination.] : Substituted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]

Rule 31A ~ Temporary licence.

(1) Where there is no school or establishment as is referred to in sub-section (4) of section 12 or granted a licence under sub-rule (4) of rule 24, in any Taluk within the jurisdiction of the licensing authority, the licensing authority may, notwithstanding any tiling contained in sub-rules (3) and (4) of rule 24 or rule 25, grant a temporary licence to any establishment or any person for imparting instructions in the driving of a transport vehicle, subject to the following conditions, namely:—

a. the temporary licence shall be valid for a period of one year from the date of its issue:

Provided that as long as the Taluk does not have any school or establishment, the licensing authority may renew a temporary licence granted under this sub-rule for a further period not exceeding one year at a time;

b. the person imparting instructions in the driving of a transport vehicle shall possess the following qualifications, namely:—

(i) a minimum driving experience of five years in the class of vehicles in which instructions are proposed to be imparted;

(ii) adequate knowledge of the regional language of the region in which the school or establishment is situated;

(iii) a thorough knowledge of traffic signs specified in the Schedule to the Act and the Regulations made under section 118;

(iv) ability to demonstrate and explain the functions of different components and parts of a vehicle;

c. the applicant shall maintain a motor vehicle each of the type in which the instruction is imparted and also the following apparatus, namely:—

(i) a blackboard;

(ii) traffic sign chart;

(iii) a service chart depicting a detailed view of all the components of a motor vehicle;

(iv) puncture kit with tyre lever, wheel brace, jack;

(v) spanners (a set each of fixed spanners, box spanners, screw driver, screw spanners and hammer).

(2) The driving schools run by a State Transport Undertaking or an Industrial Training Institute set up by the Central Government or any State Government and other establishments run by the Central Government or a State Government which have facilities for imparting training for drivers, shall be authorised to issue driving certificates in Form 5, subject to the condition that the training imparted in these schools shall be in accordance with the syllabus referred to in rule 31.]

1. Where there is no school or establishment as is referred to in sub-section (4) of section 12 or granted a licence under sub-rule (4) of rule 24, in any Taluk within the jurisdiction of the licensing authority, the licensing authority may, notwithstanding any tiling contained in sub-rules (3) and (4) of rule 24 or rule 25, grant a temporary licence to any establishment or any person for imparting instructions in the driving of a transport vehicle, subject to the following conditions, namely:— : Rule 31A inserted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989). [Download GSR 933(E)]

Rule 31B ~ Accredited Driver Training Centers.

(1) No person shall establish or maintain an accredited driver training center for imparting instructions for driving motor vehicles without an accreditation in Form 11 A granted by the State Transport Authority or any authorised agency notified by the Central Government on recommendation of any testing agency referred in rule 126 of the Central Motor Vehicle Rules, 1989;

(2) An application for the grant or renewal of an accreditation under sub-rule (1) shall be made in Form 12 A or Form 13 A, as the case may be, to the State Transport Authority of the State in which the center is situated and shall be accompanied by appropriate fee as specified in rule 32.

(3) The designated authority shall, while considering an application for the grant or renewal of an accreditation under this rule, have regard to the following matters, namely: —

I. the applicant and the staff working under him are of good moral character and are qualified to give driving instructions;

II. the applicant maintains the following minimum infrastructure and other requirements, namely: —

a. the premises where the center is proposed to be conducted is either owned by the applicant or is taken on lease by him or is hired in his name, spread over: -

(i) Minimum One acre – for accreditation for imparting driver training for two wheelers, three wheelers and Light Motor vehicle;

(ii) Minimum Two acres for accreditation for imparting driver training for two wheelers, three wheelers, Light Motor vehicles, Medium and Heavy Passenger /Goods vehicles or Trailers etc. and it has adequate infrastructure besides adequate parking area for the vehicles meant to be used for imparting instructions in driving;

b. Two class-rooms with teaching aids like computers and Multimedia Projector for holding theory classes or lessons on Traffic Rules and Regulations, Driving Procedures, Vehicle Mechanism, Public Relations and First Aid;

c. Simulator(s) for both the classes of vehicles (Light Motor Vehicle and Heavy Motor Vehicle);

d. Broadband connectivity;

e. Driving tracks including Serpentine, Up-gradient, 8 shaped, Reverse parallel Parking, Reverse S Test Tracks to provide practice to the trainees for maneuvering, parking, reverse driving, driving on slopes, etc.;

f. Minimum one vehicle of each class of vehicles with dual control except in case of two wheelers;

g. Workshop along with exhibits;

h. Should have biometric attendance system, qualified instructors, e-payment, real time evaluation, online evaluation process and adequate staff resources in each category

(Teaching staff, IT personnel, cleaning staff etc.);

- i. Building or premises should be as per prevailing norms;
- j. Valid Insurance of the training vehicles for trainees and trainers;
- k. Any other, as may be required;

III. The applicant or any member of the staff employed by him for imparting instructions possesses the following qualifications, namely: —

- a. a minimum educational qualification to be passed in the 12th standard with a recognised Board or Institution;
- b. a driving experience of not less than five years in addition to a Proficiency Test Certificate in a course in motor mechanics or any other higher qualification in mechanical engineering from an institution established by the Central or a State Government or from an institution recognised by the Board of Technical Education of a State Government;
- c. thorough knowledge of traffic signs specified in the Schedule to the Act and the regulations made under section 118;
- d. ability to demonstrate and to explain the functions of different components and parts of the vehicles;
- e. ability to demonstrate usage of simulators and different modes of driving;
- f. adequate knowledge of English or the regional language of the region in which the center or establishment is situated:

Provided that any person who has served as an instructor for a period of not less than five years immediately before the commencement of these rules, is exempted from the requirements of this subclause.

(4) The designated authority may, on receipt of an application under sub-rule (2) and after satisfying that the applicant has complied with the requirements of sub-rule (3), grant or renew an accreditation in Form 11A within a period of sixty days from receipt of such an application.

(5) No application for accreditation shall be refused by the designated authority unless the applicant is given an opportunity of being heard and reasons for such refusal are

communicated in writing by the licensing authority.

Explanation.— For the purposes of this rule "designated authority" means an officer not below the rank of the State Transport Authority or designated official of authorised agency notified by the Central Government.

1. No person shall establish or maintain an accredited driver training center for imparting instructions for driving motor vehicles without an accreditation in Form 11 A granted by the State Transport Authority or any authorised agency notified by the Central Government on recommendation of any testing agency referred in rule 126 of the Central Motor Vehicle Rules, 1989; : Rule 31B inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]

Rule 31C ~ Duration of an accreditation and renewal thereof.

An accreditation granted in Form 11 A shall be in force for a period of five years and may be renewed for a period of five years at a time on an application in Form 13 A made to the designated authority which granted the accreditation, not less than sixty days before the date of its expiry:

Provided that the validity of the said accreditation shall be subject to fulfilling the criteria as prescribed, which shall be certified by the designated authority or any other authority as, may be prescribed for the purpose by the State Government on an annual basis.

1. An accreditation granted in Form 11 A shall be in force for a period of five years and may be renewed : Rule 31C inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]

2. for a period of five years at a time : Inserted by GSR 714(E), dt. 20/09/2022 (w.e.f. 20/09/2022). [Download GSR 714(E)]

3. on an application in Form 13 A made to the designated authority which granted the accreditation, not less than sixty days before the date of its expiry: : Rule 31C inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]

4. : Rule 31C inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]

5. Provided that the validity of the said accreditation shall be subject to fulfilling the criteria as prescribed, which shall be certified by the designated authority or any other authority as, may be prescribed for the purpose by the State Government on an annual

basis. : Rule 31C inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021).

[Download GSR 394(E)]

Rule 31D ~ Issue of duplicate accreditation.

- (1) If at any time an accreditation granted under sub-rule (4) of rule 31B is lost or destroyed, the holder of the accreditation shall forthwith intimate the loss to the designated authority which granted the accreditation and shall apply in writing to the said authority, for a duplicate;
- (2) On receipt of an application along with the appropriate fee as specified in rule 32, the designated authority shall issue a duplicate accreditation clearly marked "Duplicate";
- (3) If after the issue of a duplicate accreditation, the original is found, the same shall be surrendered forthwith to the designated authority by which it was issued.

1. If at any time an accreditation granted under sub-rule (4) of rule 31B is lost or destroyed, the holder of the accreditation shall forthwith intimate the loss to the designated authority which granted the accreditation and shall apply in writing to the said authority, for a duplicate; : Rule 31D inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]

Rule 31E ~ General conditions to be observed by the holder of an accreditation.

The holder of an accreditation granted under rule 31B shall, —

- i. maintain an electronic register in Form 14 and an alphabetical list of the names of the students admitted during the year;
- ii. conduct the training course according to the syllabus specified in rule 31J;
- iii. issue to every student who has completed the course a certificate in Form 5B;
- iv. submit to the designated authority which granted the accreditation such information as may be called for by it from time to time for the purposes of this Chapter;
- v. not shift the center from the premises mentioned in the accreditation without the prior approval in writing of the designated authority, which granted the accreditation;

- vi. exhibit in a conspicuous manner on all the motor vehicles used for imparting instructions the name, full address of the center and the telephone number, in bold letters;
- vii. maintain a record separately for each trainee showing the number of driving hours spent every day, in Form 15;
- viii. display at a prominent place in its office the following: —
 - (i) the accreditation in original issued to the center by the designated authority, and
 - (ii) the names, addresses and mobile numbers of instructors employed by the center;
- ix. not act in a manner calculated to mislead any person making an application to receive instructions from the center as to his ability to procure an accreditation for such person other than in accordance with these rules or to connive with any person in acts of commission or omission with a view to circumventing the provisions of this Chapter.

1. The holder of an accreditation granted under rule 31B shall, — : Rule 31E inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]

Rule 31F ~ Audit of Accredited Driver Training centers.

- (1) [The designated authority shall monitor the operation of the center and compliance to these rules through regular audits also that The audits may be conducted by an officer authorised in this behalf by the designated authority.](#)
- (2) The center shall be subjected to recurring Audits where The first audit will be conducted within three months from the starting of operations of the center and thereafter once every year.
- (3) The center needs to maintain the documentation of training provided for last five years from the date of completion of course. The cost of such audits will be borne by the center.
- (4) Apart from scheduled Audits, the center might also be subjected to surprise Audits by the designated authority. Management of the center shall be responsible for enabling and coordinating inspection at any point of time during office hours.

(5) The center shall maintain the following documents ready for audit purpose:

- i. Electronic Attendance register;
- ii. Accreditation to run the center;
- iii. Land lease or ownership paper;
- iv. Document to prove eligibility qualification of trainees and instructions;
- v. Training Vehicles Ownership papers;
- vi. Training delivery documents.

1. The designated authority shall monitor the operation of the center and compliance to these rules through regular audits also that The audits may be conducted by an officer authorised in this behalf by the designated authority. : Rule 31F inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]

Rule 31G ~ Power of the designated authority to suspend or revoke accreditation.

(1) If the designated authority which granted the accreditation is satisfied, after giving the holder of the accreditation an opportunity of being heard, that he has—

- a. failed to comply with the requirements specified in sub-rule (3) of rule 31B; or
- b. failed to maintain the vehicles, in which instructions are being imparted, in good condition;
- c. failed to adhere to the syllabus specified in rule 31J in imparting instruction; or
- d. violated any other provision of rule 31E, it may, for reasons to be recorded in writing, make an order, —
 - i. suspending the accreditation for a specified period; or
 - ii. revoking the accreditation.

(2) Where the accreditation is suspended or revoked under sub-rule (1), the accreditation certificate shall be surrendered to the designated authority by the holder thereof.

1. If the designated authority which granted the accreditation is satisfied, after giving the holder of the accreditation an opportunity of being heard, that he has— : Rule 31G inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]

Rule 31H ~ Appeal.

Any person aggrieved, by any order of the designated authority made under sub-rule (5) of rule 31B, rule 31C or rule 31G may, within thirty days of the date of receipt of such order, appeal to Secretary (Transport) or Transport Commissioner of the State in which the center is situated if the application for accreditation is made to State Transport Authority and in case of application of accreditation made to authorised agency notified by the Central Government, to the Central Government, as the case may be.

1. Any person aggrieved, by any order of the designated authority made under sub-rule (5) of rule 31B, rule 31C or rule 31G may, within thirty days of the date of receipt of such order, appeal to Secretary (Transport) or Transport Commissioner of the State in which the center is situated if the application for accreditation is made to State Transport Authority and in case of application of accreditation made to authorised agency notified by the Central Government, to the Central Government, as the case may be. : Rule 31H inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]

Rule 31-I ~ Procedure for appeal.

(1) An appeal under rule 31H shall be preferred in duplicate in the form of a memorandum, setting forth the grounds of objections to the order of the designated authority and shall be accompanied by a certified copy of the order appealed against and appropriate fee as specified in rule 32.

(2) The appellate authority, after giving an opportunity to the parties to be heard and after such further enquiry, if any, as it may deem necessary, pass appropriate orders within a period of forty-five days from the date of receipt of such an appeal.

1. An appeal under rule 31H shall be preferred in duplicate in the form of a memorandum, setting forth the grounds of objections to the order of the designated authority and shall be accompanied by a certified copy of the order appealed against and appropriate fee as specified in rule 32. : Rule 31-I inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]

Rule 31J ~ Syllabus for imparting instructions in driving of motor vehicles by accredited Driving Training Centers.

(1) The syllabus for imparting instructions in driving of motor vehicles shall be as follows: —

A. Light Motor Vehicle Driving:-

The duration of the course in all segments is 29 hours in the span of maximum 4 weeks from the date of commencement of the course. These are to be divided into 2 segments, Theory and Practical.

- ▶ **Theory and Practical Hours**
- ▶ **1. Driving Theory - I**
- ▶ **2. Traffic Education - I**
- ▶ **3. Light Vehicles Driving Practice**
- ▶ **4. Vehicle Mechanism And Repairs**

AA. Two Wheeler Driving

The duration is 20 sessions in a span of maximum two weeks. It will be covered in two segments, Theory and Practical.

- ▶ **Theory and Practical Sessions**
- ▶ **1. Driving Theory**
- ▶ **2. Traffic Education**
- ▶ **3. Basic Vehicle Engineering**
- ▶ **4. First Aid and Golden Hour**
- ▶ **5. Public Relations, Road Etiquettes and Road Rage**
- ▶ **6. Causes of Accidents, Case Studies**
- ▶ **7. Fuel Efficiency and Pollution Control**

► **8. Practical: On Driving Range**

► **9. Practical on Public roads**

B. Medium/ Heavy Motor Vehicle Driving

The duration of the course in all segments is thirty eight hours in the span of six weeks. These are to be divided into two segments, Theory and Practical.

► **Theory and Practical Hours**

► **1. Driving Theory - II**

► **2. Traffic Education - II**

► **3. Public Relations For Drivers**

► **5. Fire Hazards**

► **6. Vehicle Maintenance**

► **7. First-Aid**

C. Refresher/ Orientation courses

Refresher/ Orientation courses shall be of short duration of 2-3 days and may include the following topics:

► **Topics**

(2) Apart from above mentioned courses, the center may also choose to provide courses and programs specializing in particular type of driving requirements like Vehicles carrying Dangerous or Hazardous goods, Fire Trucks, Ambulance, Chauffeur Driver, Delivery Van, Explosive and Sprinkler Trucks, Forklifts, Center Bus, Training Workshops. Whereas these operations require additional training requirement which can be addressed through these courses.

(3) The above courses should be in accordance with the National Skill Development Corporation (NSDC) and Standardization, Testing and Quality Certification (STQC) guidance and requirements.

(4) The attendance of the trainees should be strictly monitored and recorded through biometric system where the criterion for eligibility post training shall be eighty-five percent. Anyone not completing this criterion must be debarred from final evaluation and for shortage of attendance or failure in Driving Practice the training period may be extended as per requirement.

(5) The minimum criteria to pass the final evaluation of theory as well as practical is sixty percent and the trainees who passed the Driving Performance Test conducted by the Institute will be sent to Motor Vehicle Inspector for LMV/ HMV Driving License Endorsement.

(6) After passing in all Theory Papers and [Test of competence to drive](#), the Proficiency Test Certificate will be issued to the trainees and thereafter A copy of the passing certificate along with the necessary details of the trainees will also be sent to the concerned RTO for issuance of driving license.

1. The syllabus for imparting instructions in driving of motor vehicles shall be as follows:
— : Rule 31J inserted by GSR 394(E), dt. 07/06/2021 (w.e.f. 01/07/2021). [Download GSR 394(E)]
2. The duration is 20 sessions in a span of maximum two weeks. It will be covered in two segments, Theory and Practical. : Clause (AA) inserted by GSR 714(E), dt. 20/09/2022 (w.e.f. 20/09/2022). [Download GSR 714(E)]
3. Test of competence to drive, : Substituted for the words "Motor Vehicle Inspector's Test" by GSR 714(E), dt. 20/09/2022 (w.e.f. 20/09/2022). [Download GSR 714(E)]

Rule 32 ~ Fees.

[\[The fees which shall be charged under the provisions of this Chapter shall be as specified in the Table below:—\]](#)

TABLE

Sl No.	Purpose	Amount	Rule	Section

(1)	(2)	(3)	(4)	(5)
1	Issue of learner's licence in Form 3 for each class of vehicle	One hundred and fifty rupees	10	8
2	Learner's licence test fee or repeat test fee, as the case may be	Fifty rupees		27(q)
3	For test, or repeat test, as the case may be, of competence to drive (for each class of vehicle)	Three hundred rupees	14(1) (b)	9
4	Issue of a driving licence	Two hundred rupees	14(1) (b)	9
5	Issue of International Driving	One thousand rupees	14(2)(b)	9
6	Addition of another class of vehicle to driving licence	Five hundred rupees	17(1)(b)	11
7	Endorsement or renewal of authorisation for vehicle carrying hazardous goods	One hundred rupees	9	27(q)
8	Renewal of driving licence	Two hundred rupees	18(1)(a)	15
9	Renewal of a driving licence for which application is made after [one year from the date of expiry of driving license]	Three hundred rupees. Note :- Additional fee @ One thousand rupees for delay of each year or part thereof [shall be levied after one year from the date of expiry of driving license]		

10	Issue or renewal of licence to a school or establishment for imparting instructions in driving	Ten thousand rupees	24(2)	12
11	Issue of duplicate licence to a school or establishment for imparting instructions in driving	Five thousand rupees	26(2)	12
12	Any appeal against the orders of licencing authority referred to in Rule 29	Five thousand rupees	30(1)	17
13	Any application for [permanent surrender of class or classes of motor vehicles from the driving license] change in address or any other particulars recorded in the driving licence eg: address etc.	Two hundred rupees		27(q)
14	Issue of duplicate license	Four Hundred Rupees	18(4)	28(2)(c)
15	Issue of accreditation to a driver training center for imparting instructions in driving	Fifty Thousand	31(B)	12
16	Issue of duplicate accreditation to a driver training center imparting instructions in driving.	Fifteen Thousand	31(D)	12
17	In respect of an appeal against the orders of licensing authority referred to in rule 30.	Twenty Thousand	31(I)	12

Note:

1. [\[Where a laminated card without chip or Smart Card type driving licence is issued in Form 7, an additional fee of two hundred rupees shall be levied.\]](#)
2. The fees specified at serial numbers 1, 2 and 3 of the Table above shall be paid collectively at the time of submission of application for issue of learner's licence or driving licence or for endorsement of another class of vehicle, as the case may be.

1. [The fees which shall be charged under the provisions of this Chapter shall be as specified in the Table below:—] : Substituted by GSR 1183(E), dt. 29/12/2016 (w.e.f. 29/12/2016). [Download GSR 1183(E)]
2. [one year from the date of expiry of driving license] : Substituted for the words "the grace period" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. [shall be levied after one year from the date of expiry of driving license] : Substituted for the words "reckoned from the date of expiry of the grace period shall be levied" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. [permanent surrender of class or classes of motor vehicles from the driving license : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
5.] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
6. Issue of duplicate license : SL. No. (14) to (17) substituted by GSR 714(E) dt. 20/09/2022 (w.e.f. 20/09/2022) which was inserted by GSR 240(E), dt. 31/03/2021. [Download GSR 714(E)]
7. Issue of accreditation to a driver training center for imparting instructions in driving : SL. No. (14) to (17) substituted by GSR 714(E) dt. 20/09/2022 (w.e.f. 20/09/2022) which was inserted by GSR 394(E), dt. 07/06/2021. [Download GSR 714(E)]
8. Issue of duplicate accreditation to a driver training center imparting instructions in driving. : SL. No. (14) to (17) substituted by GSR 714(E) dt. 20/09/2022 (w.e.f. 20/09/2022) which was inserted by GSR 394(E), dt. 07/06/2021. [Download GSR 714(E)]
9. In respect of an appeal against the orders of licensing authority referred to in rule 30. : SL. No. (14) to (17) substituted by GSR 714(E) dt. 20/09/2022 (w.e.f. 20/09/2022) which was inserted by GSR 394(E), dt. 07/06/2021. [Download GSR 714(E)]
10. [Where a laminated card without chip or Smart Card type driving licence is issued in

Form 7, an additional fee of two hundred rupees shall be levied.] : Substituted by GSR 174(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 174(E)]

Chapter III ~ REGISTRATION OF MOTOR VEHICLES

Rule 33 to 81

Rule 33 ~ Condition for exemption from registration.

For the purpose of the proviso to section 39, a motor vehicle in the possession of any manufacturer or dealer or importer of motor vehicle or testing agency specified under rule 126, shall be exempt from the necessity of registration, subject to the condition that such manufacturer or dealer or importer of motor vehicle or testing agency obtain a trade certificate from the registering authority having jurisdiction in the area in which the said manufacturer or dealer or importer of motor vehicle or testing agency have places of business, in accordance with the provisions of this Chapter.

► OLD RULE:

1. For the purpose of the proviso to section 39, a motor vehicle in the possession of any manufacturer or dealer or importer of motor vehicle or testing agency specified under rule 126, shall be exempt from the necessity of registration, subject to the condition that such manufacturer or dealer or importer of motor vehicle or testing agency obtain a trade certificate from the registering authority having jurisdiction in the area in which the said manufacturer or dealer or importer of motor vehicle or testing agency have places of business, in accordance with the provisions of this Chapter. : Substituted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. [dealer or manufacturer of automobile or automobiles ancillaries or a test agency specified in rule 126] : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014).
3. [dealer or manufacturer of automobiles or automobile ancillaries or a test agency specified in rule 126] : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014).

Rule 34 ~ Trade certificate.

(1) An application for the grant or renewal of a trade certificate shall be made [electronically on the VAHAN portal](#) in Form 16 and shall be accompanied by the appropriate fee as specified in rule 81 [electronically](#).

[Provided that the application by a dealer of motor vehicle shall also be accompanied by a dealership authorisation certificate in Form 16A issued electronically on portal by the concerned manufacturer of motor vehicle.](#)

(2) [x x x x](#) Application shall be made for each of the following classes of vehicles, namely:

—

- a. motor cycle;
- b. [\[adapted vehicle;\]](#)
- c. light motor vehicle;
- d. medium passenger motor vehicle;
- e. medium goods vehicle;
- f. heavy passenger motor vehicle;
- g. heavy goods vehicle;
- h. [\[E-rickshaw;](#)
- i. [E-cart;](#)
- j. [any other motor vehicle of a specified description.\]](#)

(3) [Numbers of trade registration marks required shall be specified in the application.](#)

1. electronically on the VAHAN portal : Inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

2. electronically : Inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
3. Provided that the application by a dealer of motor vehicle shall also be accompanied by a dealership authorisation certificate in Form 16A issued electronically on portal by the concerned manufacturer of motor vehicle. : Inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
4. x x x x : The word "Seperate" omitted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
5. [adapted vehicle; : Substituted for "Invalid carriage" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
6.] : Substituted for "Invalid carriage" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
7. [E-rickshaw; : Inserted by G.S.R 27(E), dated 13-01-2015 (w.e.f. 13-01-2015). [Download GSR 27(E)]
8. : Inserted by G.S.R 27(E), dated 13-01-2015 (w.e.f. 13-01-2015). [Download GSR 27(E)]
9. E-cart; : Inserted by G.S.R 27(E), dated 13-01-2015 (w.e.f. 13-01-2015). [Download GSR 27(E)]
10. : Inserted by G.S.R 27(E), dated 13-01-2015 (w.e.f. 13-01-2015). [Download GSR 27(E)]
11. any other motor vehicle of a specified description.] : Inserted by G.S.R 27(E), dated 13-01-2015 (w.e.f. 13-01-2015). [Download GSR 27(E)]
12. Numbers of trade registration marks required shall be specified in the application. : Inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 35 ~ Grant or renewal of trade certificate.

(1) [On receipt of an application for the grant or renewal of a trade certificate, the registering authority may, if satisfied, issue to the applicant trade certificate, electronically on portal, in downloadable and printable form in Form 17, within thirty days from the date of receipt of the application.](#)

(2) If application is not disposed of within the said period of thirty days, the application shall be deemed to be approved and trade certificate shall be deemed to be granted or renewed through the portal.

(3) A trade registration mark shall be the trade certificate number followed by four digit numerals starting from 0001 to 9999, for example: AB 12 A 1234 TC 0001, in which, -

- i. AB — Represents State Code,
- ii. 12 — Represents RTO Code,
- iii. A — Represents serial number of class of vehicle as prescribed in Rule 34(2) i.e. from A to J,
- iv. 1234 — Represents four digit unique identification number to be assigned by the concerned authority to the holder of a trade certificate,
- v. TC — Represent trade certificate.

(4) No application for trade certificate shall be refused by the registering authority unless the applicant is given an opportunity of being heard and reasons for such refusal are given in writing.

(5) Trade certificate along with dealership authorisation certificate shall be exhibited at a conspicuous place at show room and workshop or service center.

► **OLD RULE:**

1. On receipt of an application for the grant or renewal of a trade certificate, the registering authority may, if satisfied, issue to the applicant trade certificate, electronically on portal, in downloadable and printable form in Form 17, within thirty days from the date of receipt of the application. : Rule 35 substituted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. [dealer or manufacturer of automobile or automobiles ancillaries or a test agency specified in rule 126] : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014).
3. [within thirty days from the date of receipt of such an application] : Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005)

Rule 35A ~ Application for additional trade registration mark.

(1) An application for the grant of additional trade registration mark shall be made electronically on portal in Form 17A to the registering authority which granted the trade certificate and shall be accompanied by the appropriate fee as specified in rule 81, to be paid electronically on the portal.

(2) On receipt of an application for the grant of additional trade registration mark in respect of a trade certificate, the registering authority may, if satisfied that the applicant holds a valid trade certificate and requires additional trade registration mark, issue to the applicant additional trade registration mark, in Form 17B within fifteen days from the date of receipt of the said application.

1. An application for the grant of additional trade registration mark shall be made electronically on portal in Form 17A to the registering authority which granted the trade certificate and shall be accompanied by the appropriate fee as specified in rule 81, to be paid electronically on the portal. : Rule 35A inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. : Rule 35A inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
3. (2) On receipt of an application for the grant of additional trade registration mark in respect of a trade certificate, the registering authority may, if satisfied that the applicant holds a valid trade certificate and requires additional trade registration mark, issue to the applicant additional trade registration mark, in Form 17B within fifteen days from the date of receipt of the said application. : Rule 35A inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 35B ~ Intimation of change of address of place of business in trade certificate.

(1) If the place of business specified in the trade certificate is changed, then the holder of trade certificate shall immediately intimate to the authority which granted the trade certificate,

about such change, electronically on portal in Form 17C accompanied by the appropriate fee as specified in rule 81.

(2) On receipt of intimation of change of place of business, the registering authority shall, if satisfied that the applicant holds a valid trade certificate, record new address in the trade certificate.

1. If the place of business specified in the trade certificate is changed, then the holder of trade certificate shall immediately intimate to the authority which granted the trade certificate, about such change, electronically on portal in Form 17C accompanied by the appropriate fee as specified in rule 81. : Rule 35B inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. : Rule 35B inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
3. (2) On receipt of intimation of change of place of business, the registering authority shall, if satisfied that the applicant holds a valid trade certificate, record new address in the trade certificate. : Rule 35B inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 36 ~ Refund.

Where the registering authority refuses to issue or renew a trade certificate, it shall refund to the applicant fifty per cent of the fee paid along with the application.

Rule 37 ~ Period of validity.

- (1)** A trade certificate granted or renewed under rule 35 shall be in force for a period of five years from the date of issue or renewal thereof and shall be effective throughout India.
- (2)** Trade certificate shall be integrated with dealership authorisation and on cancellation of dealership authorisation certificate by manufacturer of motor vehicles, the trade certificate shall automatically become invalid.

1. five years : Substituted for the words "twelve months" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. Trade certificate shall be integrated with dealership authorisation and on cancellation of dealership authorisation certificate by manufacturer of motor vehicles, the trade certificate shall automatically become invalid. : Sub-Rule (2) inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 38 ~ Issue of duplicate certificate [Omitted].

[\[x x x x\]](#)

► OLD RULE:

1. [x x x x] : Rule 38 omitted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022).
[Download GSR 703(E)]

Rule 39 ~ Use of trade registration mark and number.

(1) A trade registration mark and number shall not be used upon more than one vehicle at a time or upon any vehicle other than a vehicle bona fide in the possession of the [\[the holder of trade certificate\]](#) in the course of his business or on any type of vehicle other than the one for which the trade certificate is issued.

(2) [The trade registration mark shall be in white colour on red background as per dimensions specified in rule 51 and shall be exhibited on front and rear of a motor vehicle.](#)

► OLD RULE:

1. [the holder of trade certificate] : Substituted for the words "the dealer or manufacturer of automobiles or automobiles ancillaries or a test agency specified in rule 126" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. The trade registration mark shall be in white colour on red background as per dimensions specified in rule 51 and shall be exhibited on front and rear of a motor vehicle. : Substituted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 40 ~ Restrictions on use of trade registration mark.

[* * *]

A trade [registration mark](#) shall be used only by the person to whom it is issued and such person shall not allow or offer or cause the [trade registration mark](#) assigned in connection therewith to be used by any other person:

Provided that the provision of this rule shall not apply where the person to whom the certificate is granted, or a person bona fide in his employment and acting under his authority, or any other person bona fide acting on behalf of the holder of a trade certificate is present in the vehicle, or if such vehicle is designed for use by only one person and is being used by a prospective purchaser of that vehicle for the purpose of reasonable test or trial.

1. [* * *] : Title "Restrictions on use of trade certificate or trade registration mark and number" substituted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. registration mark : Substituted for the words "certificate" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
3. trade registration mark : Substituted for the words "certificate or the number" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 41 ~ Purposes for which motor vehicle with trade registration mark may be used.

[* * *]

The holder of a [trade registration mark](#) shall not use any vehicle in a public place under that certificate for any purpose other than the following:—

- a. for test, by or on behalf of the holder of a trade certificate during the course of, or after completion of, construction or repair; or
- b. for proceeding to or returning from a weigh bridge for or after weighment, or to and from any place for its registration; or
- c. for a reasonable trial or demonstration by or for the benefit of a prospective purchaser and for proceeding to or returning from the place where such person intends to keep it; or
- d. for proceeding to or returning from the premises of the dealer or of the purchaser or of any other dealer for the purpose of delivery; or
- e. for proceeding to or returning from a workshop with the objective of fitting a body to the vehicle or painting or for repairs; or
- f. for proceeding to and returning from airport, railway station, wharf for or after being transported; or
- g. for proceeding to or returning from an exhibition of motor vehicles or any place at which the vehicle is to be or has been offered for sale; or
- h. [\[x x x x\]](#)
- i. [\[for proceeding to or returning from the manufacturing plant, regional sales office, godown, work shop, authorised dealer or any place of sale; or](#)
- j. [\[for the purpose of export till the place of embarkment.\]](#)

► **OLD RULE:**

1. [* * *] : Title "Purposes for which motor vehicle with trade certificate may be used" substituted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. trade registration mark : Substituted for the words "trade certificate" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
3. [x x x x] : Omitted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
4. [for proceeding to or returning from the manufacturing plant, regional sales offi : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
5. ce, godown, work shop, authorised dealer or any place of sale; or : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
6. [for the purpose of export till the place of embankment.] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 42 ~ Delivery of vehicle subject to registration.

No holder of a trade certificate shall deliver a motor vehicle to a purchaser without registration, whether temporary or permanent.

Rule 43 ~ Register of trade registration marks.

[* * *]

(1) Every holder of a trade certificate shall maintain a register [\[electronically\]](#) in Form 19 [\[on the Portal for motor vehicles.\]](#)

(2) The particulars referred to in Form 19 except the time of return under column 7, shall be entered in the register before the commencement of each trip by the holder of the trade certificate or his representative and a [\[Printed\]](#) copy of Form 19 made prior to the commencement of each trip shall be carried during the trip by the driver of the vehicle and shall be produced on demand by any officer empowered to demand production of documents by or under the Act.

(3) The holder of a trade certificate shall, at the end of a trip, [\[electronically\]](#) fill in column 7 of Form 19 [\[x x x\]](#) [which](#) shall be open for inspection by the registering authority.

1. [* * *] : Title "Register of trade certificate" substituted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. [electronically] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. [on the Portal for motor vehicles.] : Substituted for the words "in duplicate which shall be in a bound book, with pages numbered serially" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. [Printed] : Substituted for the words "duplicate" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
5. [electronically] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
6. [x x x] : Omitted the words "(both original and duplicate), and the register and the duplicate" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
7. which : Inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 43A ~ Register of inventory.

Every dealer of motor vehicles holding a trade certificate shall maintain a register of inventory of motor vehicles electronically in Form 19A on the portal.

1. Every dealer of motor vehicles holding a trade certificate shall maintain a register of inventory of motor vehicles electronically in Form 19A on the portal. : Rule 43A inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 43B ~ Displaying vehicle price at show room.

Every dealer of motor vehicles holding a trade certificate shall display model wise vehicle sale price at conspicuous place in his business premises, displayed vehicle price shall be with bifurcation of all applicable taxes and fees.

1. Every dealer of motor vehicles holding a trade certificate shall display model wise vehicle sale price at conspicuous place in his business premises, displayed vehicle price shall be with bifurcation of all applicable taxes and fees. : Rule 43B inserted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 44 ~ Suspension or cancellation of trade certificate.

If the dealership authorisation certificate is cancelled by the manufacturer of motor vehicles or if the registering authority has reason to believe that the holder of any trade certificate has not complied with the provisions of rules 39 to 43B, the registering authority shall report the fact along with reasonable proof, to the head of the Motor Vehicles Department established under section 213 and the said head of the department may, after giving the holder of trade certificate an opportunity of being heard, suspend or cancel the trade certificate held by him.

► **OLD RULE:**

1. If the dealership authorisation certificate is cancelled by the manufacturer of motor vehicles or if the registering authority has reason to believe that the holder of any trade certificate has not complied with the provisions of rules 39 to 43B, the registering authority shall report the fact along with reasonable proof, to the head of the Motor Vehicles Department established under section 213 and the said head of the department may, after giving the holder of trade certificate an opportunity of being heard, suspend or cancel the trade certificate held by him. : Rule 44 substituted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 45 ~ Appeal.

Any person aggrieved by an order [x x x x] under rule 35 or rule 44 may, within thirty days of the receipt of any such order, appeal to the any authority authorised by the respective State Governments and Union territory Administrations in this respect.

1. [x x x x] : The words "of the registering authority" omitted by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. any authority authorised by the respective State Governments and Union territory Administrations in this respect. : Substituted for the words "head of the Motor Vehicles

Department established under section 213" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]

Rule 46 ~ Procedure for appeal.

(1) The appeal referred to in rule 45 shall be preferred in duplicate in the form of a memorandum, setting forth the grounds of objections to the order of [the concerned authority](#) and shall be accompanied by appropriate fee as specified in rule 81 and a certified copy of the order appealed against.

(2) The appellate authority, after giving an opportunity to the parties to be heard and after such enquiry, if any, as it deems necessary, pass appropriate orders [\[within the period of thirty days from the date of receipt of such an appeal.\]](#)

1. the concerned authority : Substituted for the words "the registering authority" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
2. [within the period of thirty days from the date of receipt of such an appeal.] : Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

Rule 47 ~ Application for registration of motor vehicles.

(1) [\[An application for registration of a motor vehicle shall be made in Form 20 to any registering authority in the State in which the owner has the residence or place of business where the vehicle is normally kept:](#)

- i. [in case of motor vehicle, purchased as a fully built motor vehicle, which is being registered in a State other than the State in which the dealer is situated, shall be made by the owner, within a period of seven days from the date of taking delivery of such vehicle, excluding the period of journey or;](#)
- ii. [in case of a motor vehicle, purchased as a chassis to which body is fabricated separately, which is being registered in a State other than the State in which the dealer is situated, shall be made by the owner, after the body is fabricated separately or;](#)

- iii. in case of motor vehicle, purchased as a fully built motor vehicle, which is being registered in the same State in which the dealer is situated, shall be made by the dealer, prior to the delivery of the vehicle or;
- iv. in case of a motor vehicle, purchased as a chassis to which body is fabricated separately, which is being registered in the same State in which the dealer is situated, shall be made by the dealer, after the body is fabricated separately;
- v. Form 20 shall be accompanied by the following documents and fees, submitted electronically on a Portal for registration of motor vehicles, -]
 - (a) sale certificate in Form 21;
 - (b) valid insurance certificate;
 - (c) [copy of the proceedings of the State Transport Authority or Transport Commissioner or such other authorities as may be prescribed by the State Government for the purpose of approval of the design in the case of a trailer other than a vehicle of category T;]
 - (ca) working certificate in Form 60, in case the applicant working in private sector applies for BH-Series registration mark;
 - (cb) Official Identity Card or Service Certificate, in case the applicant working in Government office applies for BH-series registration mark;
 - (d) original sale certificate from the concerned authorities in Form 21 in the case of ex-army vehicles;
 - (e) proof of address by way of any one of the documents referred to in Rule 4;
 - (f) temporary registration, if any;
 - (g) road-worthiness certificate in Form 22 from the manufacturers; [Form 22-A from the body-builders] and, [in case of self certification of the bus body built on a drive away chassis by a bus body structure fabricator, certificate of compliance in Form 22B;]
 - (h) custom's clearance certificate in the case of imported vehicles along with the licence and bond, if any;

Provided that in the case of imported vehicles other than those imported under the Baggage Rules, 1998, the procedure followed by the registering authority shall be same as those procedure followed for registering of vehicles manufactured in India, and

(i) appropriate fee as specified in Rule 81;

(ia) [proof of fitment of FASTag specified in Rule 138A;]

(ib) [proof of fitment of vehicle tracking device for public service vehicles;]

(j) [x x x x]

(k) proof of legal presence in India in addition to proof of residence in case of foreigners;

(l) [technical specifications and any other document as may be required by the registration authority in respect of the modular hydraulic trailer;]

(m) proof of identity of nominee, in case nominee is mentioned.

(n) Certificate of Deposit, if available.

Explanation.- For the purposes of these rules, the expression "Certificate of Deposit" shall have the same meaning as assigned to it in clause (c) of sub-rule (1) of rule 3 of the Motor Vehicles (Registration and Functions of Vehicle Scrapping Facility) Rules, 2021.

[Provided that upto 31st December 2016, on and from the date of publication of the Central Motor Vehicles (Amendment) Rules, 2015, published on 15th January 2015, in respect of the models of the E-rickshaw and E-carts exiting prior to publication of the Central Motor Vehicles (Sixteen Amendment) Rules, 2014 and the notification published vide S.O. 2590 (E), dated the 8th October, 2014, the application for registration under this sub-rule shall be made in Form 20 to the registering authority within a period of seven days from the date of issue of Form 21 and Form 22 and shall be accompanied by—

- i. road worthiness certificate in from 22 to be issued by the manufacturer or dealer or registered E-rickshaw or E-cart Association or any agency authorised by State Government; and

- ii. sale certificate in From 21 to be issued by manufacturer or dealer or registered E-rickshaw or E-cart Association or any agency authorised by State Government for presentation along with the application for registration.]

(1A) [For the purposes of sub-rule (1), in case the application for the registration is made by the dealer under clauses (iii) or (iv) of sub-rule (1), the buyer of such vehicle shall submit the required documents specified under sub-clauses (b), (e) and (k) of sub-rule (1) to the dealer, electronically or otherwise, to facilitate the dealer in making the application under sub-rule (1).]

(2) In respect of vehicles temporarily registered, application under sub-rule (1) shall be made before the temporary registration expires.

(3) On and from the 1st January, 2015, every vehicle manufacturer shall, in accordance with from 20, From 22 and From 22-A, upload the vehicle details in the portal. [x x x]

(4) [The modular hydraulic trailers registered under these rules shall ply in public place in laden condition subject to such other condition as may be determined by the Central Government from time to time.]

(5) All types of trailers and semitrailers covered under Rule 125D, shall be registered independently.

Provided that, if the owner or registering party, requests to register the trailer or semitrailer jointly with compatible towing vehicle as a single vehicle, the registering authority shall register them as a single vehicle.]

(6) [On and from the commencement of this sub-rule, every bus body builder shall upload the bus body details against the relevant drive away chassis on the portal. [x x x]

▼ OLD RULE:

Prior to the substitution the Proviso after explanation in subrule (1) read as :

"Provided that for a period of six months, on and from the date of publication of the Central Motor Vehicles (Amendment) Rules, 2015, in respect of the models of the Brickshaws and E-carts

existing prior to publication of the Central Motor Vehicles (Sixteenth Amendment) Rules, 2014 and the notification published vide S.O 2590 (E) dated the 8th October, 2014, the application for registration under this sub-rule shall be made in Form 20 to the registering authority within a period of ninety days after obtaining the type approval certificate and shall be accompanied by-

(i) road-worthiness certificate in Form 22 to be issued by manufacturer or dealer or registered E-rickshaw or E-cart Association; and

(ii) sale certificate in Form 21 to be issued by manufacturer or dealer or registered E-rickshaw or E-cart Association for presentation along with the application for registration."

1. [An application for registration of a motor vehicle shall be made in Form 20 to any registering authority : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).

[Download GSR 240(E)]

2. in the State in which the owner has the residence or place of business where the vehicle is normally kept: : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).

[Download GSR 240(E)]

3. : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

4. in case of motor vehicle, purchased as a fully built motor vehicle, which is being registered in a State other than the State in which the dealer is situated, shall be made by the owner, within a period of seven days from the date of taking delivery of such vehicle, excluding the period of journey or; in case of a motor vehicle, purchased as a chassis to which body is fabricated separately, which is being registered in a State other than the State in which the dealer is situated, shall be made by the owner, after the body is fabricated separately or; in case of motor vehicle, purchased as a fully built motor vehicle, which is being registered in the same State in which the dealer is situated, shall be made by the dealer, prior to the delivery of the vehicle or; in case of a motor vehicle, purchased as a chassis to which body is fabricated separately, which is being registered in the same State in which the dealer is situated, shall be made by the dealer, after the body is fabricated separately; : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f.

01/04/2021). [Download GSR 240(E)]

5. : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
6. Form 20 shall be accompanied by the following documents and fees, submitted electronically on a Portal for registration of motor vehicles, -] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
7. [copy of the proceedings of the State Transport Authority or Transport Commissioner or such other authorities as may be prescribed by the State Government for the purpose of approval of the design in the case of a trailer other than a vehicle of category T;] : Substituted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]
8. working certificate in Form 60, in case the applicant working in private sector applies for BH-Series registration mark; : Inserted by GSR 594(E), dt. 26/08/2021 (w.e.f. 15/09/2021). [Download GSR 594(E)]
9. Official Identity Card : Inserted by GSR 594(E), dt. 26/08/2021 (w.e.f. 15/09/2021). [Download GSR 594(E)]
10. or Service Certificate : Inserted by GSR 879(E), dt. 14/12/2022 (w.e.f. 14/12/2022)
11. in case the applicant working in Government office applies for BH-series registration mark; : Inserted by GSR 594(E), dt. 26/08/2021 (w.e.f. 15/09/2021). [Download GSR 594(E)]
12. [Form 22-A from the body-builders] : Substituted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]
13. [in case of self certification of the bus body built on a drive away chassis by a bus body structure fabricator, certificate of compliance in Form 22B;] : Inserted by G.S.R 368(E), dt. 13/04/2018 (w.e.f. 13/04/2018). [Download GSR 368(E)]
14. [proof of fitment of FASTag specified in Rule 138A;] : Inserted by G.S.R 1361(E), dt. 02/11/2017 (w.e.f. 02/11/2017). [Download GSR 1361(E)]
15. [proof of fitment of vehicle tracking device for public service vehicles;] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
16. [x x x x] : Omitted "proof of citizenship" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
17. proof of legal presence in India in addition to proof of residence in case of foreigners; : Inserted by GSR 276(E) dated 10/04/2007 (w.e.f. 10/04/2007) [Download GSR 276(E)]
18. [technical specifications and any other document as may be required by the registration authority in respect of the modular hydraulic trailer;] : Inserted by G.S.R 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

19. proof of identity of nominee, in case nominee is mentioned. : Inserted by G.S.R 277(E), dt. 08/04/2021 (w.e.f. 08/04/2021). [Download GSR 277(E)]
20. Certificate of Deposit, if available. : Inserted by G.S.R 714(E), dt. 04/10/2021 (w.e.f. 01/04/2022). [Download GSR 714(E)]
21. [Provided that upto 31st December 2016, on and from the date of publication of the Central Motor Vehicles (Amendment) Rules, 2015, published on 15th January 2015, in respect of the models of the E-rickshaw and E-carts exiting prior to publication of the Central Motor Vehicles (Sixteen Amendment) Rules, 2014 and the notification published vide S.O. 2590 (E), dated the 8th October, 2014, the application for registration under this sub-rule shall be made in Form 20 to the registering authority within a period of seven days from the date of issue of Form 21 and Form 22 and shall be accompanied by – : Substituted by GSR 903(E), dt. 23/09/2016 (w.e.f. 23/09/2016) which was inserted by GSR 27(E), dt. 13/01/2015 [Download GSR 903(E)]
22. : Substituted by GSR 903(E), dt. 23/09/2016 (w.e.f. 23/09/2016) which was inserted by GSR 27(E), dt. 13/01/2015 [Download GSR 903(E)]
23. road worthiness certificate in from 22 to be issued by the manufacturer or dealer or registered E-rickshaw or E-cart Association or any agency authorised by State Government; and : Substituted by GSR 903(E), dt. 23/09/2016 (w.e.f. 23/09/2016) which was inserted by GSR 27(E), dt. 13/01/2015 [Download GSR 903(E)]
24. : Substituted by GSR 903(E), dt. 23/09/2016 (w.e.f. 23/09/2016) which was inserted by GSR 27(E), dt. 13/01/2015 [Download GSR 903(E)]
25. sale certificate in From 21 to be issued by manufacturer or dealer or registered E-rickshaw or E-cart Association or any agency authorised by State Government for presentation along with the application for registration.] : Substituted by GSR 903(E), dt. 23/09/2016 (w.e.f. 23/09/2016) which was inserted by GSR 27(E), dt. 13/01/2015 [Download GSR 903(E)]
26. [For the purposes of sub : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
27. -rule (1), in case the application for the registration is made by the dealer under clauses (iii) or (iv) of sub-rule (1), the buyer of such vehicle shall submit the required documents specified under sub-clauses (b), (e) and (k) of sub-rule (1) to the dealer, electronically or otherwise, to facilitate the dealer in making the application under sub-rule (1).] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

28. [x x x] : Omitted the words "http://www.vahan.nic.in/makermode" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
29. [The modular hydraulic trailers registered under these rules shall ply in public place in laden condition subject to such other condition as may be determined by the Central Government from time to time.] : Inserted by GSR 212(E), dt. 20/03/2015 and renumbered as (4) by G.S.R. 1482(E), dt. 07/12/2017 (w.e.f. 07/12/2017). [Download GSR 212(E)]
30. All types of trailers and semitrailers covered under Rule 125D, shall be registered independently. : Inserted by G.S.R. 1482(E), dt. 07/12/2017 (w.e.f. 07/12/2017). [Download GSR 1482(E)]
31. : Inserted by G.S.R. 1482(E), dt. 07/12/2017 (w.e.f. 07/12/2017). [Download GSR 1482(E)]
32. Provided that, if the owner or registering party, requests to register the trailer or semitrailer jointly with compatible towing vehicle as a single vehicle, the registering authority shall register them as a single vehicle.] : Inserted by G.S.R. 1482(E), dt. 07/12/2017 (w.e.f. 07/12/2017). [Download GSR 1482(E)]
33. [On and from the commencement of this sub-rule, every bus body builder shall upload the bus body details against the relevant drive away chassis on the portal. : Inserted by G.S.R. 368(E), dt. 13/04/2018 (w.e.f. 13/04/2018). Sub-rule 5 already exists. It ought to be renumbered as sub-rule (6). The Gazette seems to be an error.
34. [x x x] : Omitted the words "http://www.vahan.nic.in/makermode" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 47A ~ Prior Approval for Alteration or Retrofitment.

(1) [Where the owner of a motor vehicle intends to alter or retrofit the motor vehicle in accordance with sub-rules (1) and (3) of rule 112, the owner shall seek the prior approval of the registering authority, either electronically through the Portal or in physical form, in Form 22C.

(2) The registering authority shall, within seven days from the date of receipt of Part I of Form 22C grant the prior approval in Part II of Form 22C, either electronically on the Portal or in physical form to the owner, if the proposed alteration is permissible under notified conditions, standards and specifications issued under sub-section (1) of section 52 of the Act.

(3) In case the registering authority does not approve or reject the application for prior approval within seven days from the date of receipt of Form 22C, the prior approval shall be deemed to be granted.]

1. [Where the owner of a motor vehicle intends to alter or : Rule 47A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. retrofit the motor vehicle in accordance with sub-rules (1) and (3) of rule 112, the owner shall seek the prior approval of the registering authority, either electronically through the Portal or in physical form, in Form 22C. : Rule 47A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. (2) The registering authority shall, within seven days from the date of receipt of Part I of Form 22C grant the prior approval in Part II of Form 22C, either electronically on the Portal or in physical form to the owner, if the proposed alteration is permissible under notified conditions, standards and specifications issued under sub-section (1) of section 52 of the Act. : Rule 47A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. (3) In case the registering authority does not approve or reject the application for prior approval within seven days from the date of receipt of Form 22C, the prior approval shall be deemed to be granted.] : Rule 47A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 47B ~ Endorsement of alteration or retrofitment.

(1) [Where any motor vehicle is altered or retrofitted as per sub-rules (1) or (2) of rule 112, the owner of the vehicle shall make an application, within fourteen days from the date of issuance of certificate of compliance, for making an entry of alteration or retrofitment in the certificate of registration of the motor vehicle or for recording any change in the particulars contained in the certificate of registration as a result of any alteration or retrofitment, to any registering authority in the State in which he has the residence or place of business where the vehicle is normally kept or in which the alteration is made, in Form 22D electronically on a Portal, either accessed by the applicant himself or with the help of a Facilitation Centre, or otherwise, which shall be accompanied by the certificate of registration and the appropriate fee as specified in rule 81:

Provided that in case of an application for endorsement of alteration or retrofitment, for any alteration or retrofitment made as per sub-rule (2) of rule 112, pursuant to directions issued by

the Central Government under sub-sections (1A) and (2) of section 52, no fees shall be payable under rule 81:

Provided further that in case no application for prior approval is made under sub-rule (1) of rule 47A, the application for endorsement of alteration or retrofitment shall be made within fourteen days from the date of making of the alteration or retrofitment;

(2) Where any motor vehicle is altered to convert it into an adapted vehicle, as per rule 112A, the owner of the vehicle shall make an application for making an entry of the adapted vehicle in the certificate of registration, in the State in which he has the residence or place of business where the vehicle is normally kept or in which the alteration is made, in Form 22E electronically on a Portal, either accessed by the applicant himself or with the help of a Facilitation Centre, or otherwise, along with the certificate of registration;

(3) Upon receipt of an application under sub-rule (1) or (2), the registering authority shall, subject to receipt of certificate of compliance in Form 22F or Form 22G, make an entry of alteration or retrofitment or adapted vehicle in the certificate of registration, within seven days from the date of receipt of the application;

(4) A registering authority other than the original registering authority making any such endorsement under sub-rule (3) shall intimate the original registering authority about the endorsement: Provided that recording of the entry of the alteration in the certificate of registration on the Portal for motor vehicles or the Portal for National Register of Motor Vehicles shall be deemed to be sufficient communication to the original registering authority.]

1. [Where any motor vehicle is altered or retrofitted as per sub : Rule 47B inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. -rules (1) or (2) of rule 112, the owner of the vehicle shall make an application, within fourteen days from the date of issuance of certificate of compliance, for making an entry of alteration or retrofitment in the certificate of registration of the motor vehicle or for recording any change in the particulars contained in the certificate of registration as a result of any alteration or retro fitment, to any registering authority in the State in which he has the residence or place of business where the vehicle is normally kept or in which the alteration is made, in Form 22D electronically on a Portal, either accessed by the applicant himself or with the help of a Facilitation Centre, or otherwise, which shall be accompanied by the certificate of registration and the appropriate fee as specified in rule

81: : Rule 47B inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 48 ~ Issue of certificate of registration for a fully built motor vehicle.

(1) [On submission of an application by a dealer for registration of a fully built new motor vehicle in accordance with the second proviso of sub-section (1) of section 41 or, by the owner for registration of a fully built new motor vehicle if it is being registered in State other than the State in which the dealer is situated, and payment of fees and taxes in accordance with rule 47 on the Portal, for registration of a fully built motor vehicle, a registration mark shall be generated immediately.]

[Provided that application for registration of vehicle under BH series, opted voluntarily by the vehicle owner, shall be made to any registering authority of the state, in which the vehicle owner has either permanent residence or place of work and the registration mark shall be generated randomly through the portal after verification of working certificate in Form 60 or Official identity card / Service Certificate, as the case may be, by the registering authority].

(2) The vehicle manufacturer or dealer of the vehicle manufacturer shall affix the mark of registration as per rule 50.

(3) A certificate of registration, in the name of the owner, in Form 23A shall be issued electronically.

(4) The date of registration of motor vehicle shall be the date of generation of the registration mark under sub-rule (1).]

► OLD RULE:

1. [On submission of an application : Rule 48 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

2. by a dealer for registration of a fully built new motor vehicle in accordance with the second proviso of sub-section (1) of section 41 or, by the owner for registration of a fully built new motor vehicle if it is being registered in State other than the State in which the dealer is situated, and payment of fees and taxes in accordance with rule 47 on the Portal, for registration of a fully built motor vehicle, a registration mark shall be generated

immediately. : Rule 48 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).

[Download GSR 240(E)]

3. [Provided that application for registration of vehicle under BH series, opted voluntarily by the vehicle owner, shall be made to any registering authority of the state, in which the vehicle owner has either permanent residence or place of work and the registration mark shall be generated randomly through the portal after verification of working certificate in Form 60 or Official identity card / Service Certificate, as the case may be, by the registering authority]. : Sub. by GSR 879(E) dt. 14/12/2022 (w.e.f. 14/12/2022); which was inserted by GSR 594(E), dt. 26/08/2021. [Download GSR 879(E)]

4. The vehicle manufacturer or dealer of the vehicle manufacturer shall affix the mark of registration as per : Rule 48 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

5. rule 50. : Rule 48 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

6. (3) A certificate of registration, in the name of the owner, in Form 23A shall be issued electronically. : Rule 48 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

7. (4) The date of registration of motor vehicle shall be the date of generation of the registration mark under sub-rule (1).] : Rule 48 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 48A ~ Issue of certificate of registration for a motor vehicle whose body has been fabricated separately to the purchased chassis.

(1) [On submission of an application by the dealer or owner for registration of a motor vehicle whose body has been fabricated separately to the purchased chassis, and payment of fees and taxes in accordance with rule 47 on the Portal subject to the inspection of the motor vehicle by the registering authority and sub-section (1) of section 62A of the Act, a registration mark shall be generated and a certificate of registration in Form 23A shall be issued electronically within two days from the date of receipt of the application.]

(2) The vehicle manufacture or dealer of the vehicle manufacturer shall affix the mark of registration as per rule 50.

(3) The date of registration of motor vehicle shall be the date of generation of the registration mark under sub-rule (1):

Provided that where the certificate of registration pertains to a transport vehicle it shall be issued electronically to the registered owner only after recording the certificate of fitness in Form 38 within the period of two working days from the date of receipt of such an application.]

1. [On submission of an application by the dealer or owner for registration of a motor vehicle : Rule 48A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).

[Download GSR 240(E)]

2. whose body has been fabricated separately to the purchased chassis, and payment of fees and taxes in accordance with rule 47 on the Portal subject to the inspection of the motor vehicle by the registering authority and sub-section (1) of section 62A of the Act, a registration mark shall be generated and a certificate of registration in Form 23A shall be issued electronically within two days from the date of receipt of the application. : Rule 48A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

3. (2) The vehicle manufacture or dealer of the vehicle manufacturer shall affix the mark of registration as per rule 50. (3) The date of registration of motor vehicle shall be the date of generation of the registration mark under sub-rule (1): : Rule 48A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

4. Provided that where the certificate of registration pertains to a transport vehicle it shall be issued electronically to the registered owner only after recording the certificate of fitness in Form 38 within the period of two working days from the date of receipt of such an application.] : Rule 48A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 48B ~ Production of vehicle at the time of registration.

[A motor vehicle sold by an authorised dealer shall not require production before a registering authority for the purposes of registration for the first time if it is a fully built motor vehicle:

Provided that an officer not below the rank of motor vehicle inspector of the Motor Vehicles Department, may randomly inspect any vehicle in the inventory at the premises of the dealer.]

1. [A motor vehicle sold by an authorised dealer shall not require : Rule 48B inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. production before a registering authority for the purposes of registration for the first time if it is a fully built motor vehicle: : Rule 48B inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. : Rule 48B inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. Provided that an officer not below the rank of motor vehicle inspector of the Motor Vehicles Department, may randomly inspect any vehicle in the inventory at the premises of the dealer.] : Rule 48B inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 49 ~ Registration records to be kept by the registering authority.

[Every registering authority shall electronically maintain in Form 24, a register of motor vehicles registered by it under section 41 of the Act and of motor vehicles of other States for which new registration marks are assigned by it under sub-section (2) of section 47 of the Act and shall also enter in such record under the respective registration numbers, of motor vehicles temporarily registered by it under section 43 and shall also enter the temporary registration mark, all changes made with reference to the provisions of sub-section (10) or sub-section (14) of section 41, sub-section (5) of section 49, sub-section (6) of section 50, sub-sections (1), (2), (3) and (5) of section 51, (1), (1A), (2) and (4) of section 52, orders of suspension under section 53 and order of cancellation under sections 54 and 55 of the Act.]

► OLD RULE:

1. [Every registering authority shall : Rule 49 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. electronically maintain in Form 24, a register of motor vehicles registered by it under section 41 of the Act and of motor vehicles of other States for which new registration marks are assigned by it under sub-section (2) of section 47 of the Act and shall also enter in such record under the respective registration numbers, of motor vehicles temporarily registered by it under section 43 and shall also enter the temporary registration mark, all changes made with reference to the provisions of sub-section (10)

or sub-section (14) of section 41, sub-section (5) of section 49, sub-section (6) of section 50, sub-sections (1), (2), (3) and (5) of section 51, (1), (1A), (2) and (4) of section 52, orders of suspension under section 53 and order of cancellation under sections 54 and 55 of the Act.] : Rule 49 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).
[Download GSR 240(E)]

Rule 50 ~ Form and manner of display of registration marks on the motor vehicles.

(1) On or after commencement of this rule, the registration mark referred to in sub-section (6) of section 41 shall be displayed both at the front and at the rear of all motor vehicles clearly and legibly in the form of security license plate of the following specifications, namely:—

- i. the plate shall be a solid unit made of 1.0 mm aluminium conforming to DIN 1745/DIN 1783 or ISO 7591. Border edges and corners of the plate shall be rounded to avoid injuries to the extent of approx. 10 mm and the plates must have an embossed border. The plate shall be suitable for hot stamping and reflective sheet has to be guaranteed for imperishable nature for minimum five years. The fast colouring of legend and border to be done by hot stamping;
- ii. the plate should bear the letters "IND" in blue colour on the extreme left centre of the plate. The letter should be one-fourth of the size of letters mentioned in rule 51 and should be buried into the foil or applied by hot stamping and should be integral part of the plate;
- iii. each plate shall be protected against counterfeiting by applying chromium- based hologram, applied by hot stamping. Stickers and adhesive labels are not permitted. The plate shall bear a permanent consecutive identification number of minimum [\[ten\]](#) digits, to be laser branded into the reflective sheeting and hot stamping film shall bear a verification inscription;
- iv. apart from the registration marks on the front and rear, the third registration mark in the form of self-destructive type, chromium based hologram sticker shall be affixed on the left-hand top side of the windshield of the vehicle. The registration details such as registration number, registering authority, etc., shall be printed on the sticker. The third registration mark shall be issued by the [\[registering authority/vehicle manufacturer and their dealers\]](#) along with the regular registration marks, and thereafter if such sticker is

destroyed, it shall be issued by the [\[registering authority/vehicle manufacturer and their dealers\]](#)

- v. [\[the plate shall be fastened with non-removable/non-reusable snap lock fitting system on rear of the vehicle\]](#)

[\[The license plates with all the above specifications and the specified registrations for a new vehicle shall be issued by the registering authority or vehicle manufacturers and their dealers and for existing old registered vehicle shall be issued by registering authority or vehicle manufacturers and their dealers or by the licence plate manufacturers or their dealers approved by the State Government or Union Territory Administration. The Central Road Research Institute, New Delhi or any agency authorised under rule 126 shall approve the security registration as per the provisions of this rule\]](#)

- vi. the size of the plate for different categories of vehicles shall be as follows:—

For two wheelers, three-wheelers, quadricycles, E-rickshaws and E-carts	200 x 100 mm
For Light Motor Vehicles/Passenger cars	340 x 200 mm/
	500 x 120 mm
For medium commercial vehicles, heavy commercial vehicles and Trailer Combination	340 x 200 mm

[\[Provided that the High Security Registration Plate including the third registration mark, wherever required, shall be supplied by the vehicle manufacturers along with the vehicles manufactured on or after the 1st day of April, 2019 to their dealers and dealers shall place a mark of registration on such plates and affix them on the vehicle.\]](#)

Provided further that the dealers of the vehicle manufacturers may also affix such plates, Supplied by the vehicle manufacturers, on old vehicles after placing the registration mark of registration.]

Provided [also] that the size of the registration plates for agricultural tractors shall be as follows:—

Front	285 x 45 mm
Rear	200 x 100 mm

[Provided also that the size of registration plate for combine harvester shall be 340 mm x 200 mm and exhibited at the front and at the rear of combine harvester and at the rear of trailer for header assembly used during transport]

[Provided also that the size of registration plate for power tiller shall be 285x45 mm and shall be exhibited at the front. Further, in case of trailer coupled to power tiller, the size of registration plate shall be 200x100 mm and shall be exhibited on its rear]

[Provided also that in case of a motor cycle, the size of 285x45 mm for front registration plate shall also be permitted]

(2) In the case of motor cycles the registration mark in the front shall be displayed parallel to the handle bar or on any part of the vehicle including mudguard facing the front instead of, on a plate in line with the axis of the vehicle:]

Provided that—

- a. the registration mark exhibited at the rear of a transport vehicle shall be affixed to the vehicle on the right hand side at a distance not exceeding one metre from the ground as may be reasonably possible having regard to the type of the body of the vehicle;
- b. the registration mark shall also be painted on the right and left side on the body of the vehicle in the case of a transport vehicle;

c. the registration mark shall also be painted and exhibited on the partition provided between the driver and the passengers, facing the passengers' seats or, where there is no such partition, on the front interior of the vehicle near the roof to the left side of the driver's seat facing the passengers' seats in the case of a stage carriage or a contract carriage and in the case of a motor cab or a taxi cab it shall be sufficient if the registration mark is painted on the dash-board;

d. [the letters of the registration mark shall be in English and the figures shall be in Arabic numerals and shall be shown:—

(A) in the case of transport vehicles in black colour on yellow background; and

(AB) [in case of motor cab under rent a cab scheme, 1989 or motor cycle (L1 and L2 category two wheeler) under rent a motor cycle scheme 1997, in yellow colour on black background, however in case of battery operated or electrically powered motor cab under rent a cab scheme 1989 or motor cycle under rent a motor cycle scheme 1997, in black colour on green background; and] [(AB) in case of motor cab under rent a cab scheme, 1989 or motor cycle (L1 and L2 category two wheeler) under rent a motor cycle scheme 1997, in yellow colour on black background, however in case of battery operated or electrically powered motor cab under rent a cab scheme 1989 or motor cycle under rent a motor cycle scheme 1997, in black colour on green background; and]

(B) in other cases, in black colour on white background, the registration mark on the trailer shall be exhibited on the left hand side in black colour on yellow background. In addition, the registration mark on the drawing vehicle shall be exhibited on the trailer also and this shall be done on the right hand side at the rear of the trailer or the last trailer as the case may be, in black colour on retro-reflective type yellow background:

Provided that where provisions of this clause have not been complied with in respect of motor vehicle, on or before the commencement of the Central Motor Vehicles (8th Amendment) Rules, 2001, then the provisions shall be complied with,—

- i. in respect of transport vehicle, on or before 1st February, 2002; and
- ii. in other cases, on or before 1st July, 2002.

(2A) [In case of Battery Operated Vehicles, the registration mark shall be exhibited in Yellow colour on Green background for transport vehicles and for all other cases, in White colour on

Green background]

(3) [The registration mark shall be exhibited in two lines, the State code and registering authority code forming the first line and the rest forming the second line, one below the other:

[Provided that the registration mark in the front may be in one line, in case, in 200mm x 100mm size plate, there is no sufficient place to exhibit the registration mark in one line, the registration mark may be exhibited in two lines:]

and all dimensions shall be maintained as per rule 51 without disturbing security features in the plate:

Provided further that in models of vehicles having no sufficient provision at the rear to exhibit the registration mark in two lines, it shall be sufficient if in such vehicles registration mark is exhibited in a single line:

Provided further that registration mark on a light motor vehicle may be in the centre with illumination.

(4) Every motor vehicle, except motor cab and motor car, manufactured on and from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1993, shall be provided with sufficient space in the rear for display of registration mark in two lines.

(5) In case of agricultural tractors, the registration mark need not be inclined to the [vertical plane by more than 45 degrees.]

(6) The registration mark of the drawing agricultural tractor may not be exhibited on the agricultural trailer or trailers.]

(7) The registration mark of the modular hydraulic trailer may not be exhibited on the puller tractor.

(8) The registration mark for BH-series vehicle generated randomly through the portal shall be in black on white background and shall be exhibited in the following manner, namely:—

XX	XX	#### XX
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Last two digits of the year of registration	Bharat Series Code (2) letters as "BH"	4 numerals 0001 to 9999 followed by letter(s) A, B, C ...and then AA,AB.....AZ, BA, BB To ZZ excluding "I" & "O"
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(9) In case of L2-5 category of vehicles, a single registration number shall be allotted for both the configurations, namely separated two-wheeled vehicle of L2 category or combined three wheeled vehicles of L5 category; and at any point of time there shall be only one registration mark displayed on the front and one on the rear of the vehicle irrespective of the configuration.

(10) Dimensions for plate for L2-5 category of vehicle shall be 200 X 100 mm.

► **OLD RULE:**

1. [ten] : Substituted "Seven" by GSR 104(E), dt. 11/02/2020 (w.e.f. 11/02/2020).
[Download GSR 104(E)]
2. [registering authority/vehicle manufacturer and their dealers] : Substituted for "registering authorities/approved dealers of the licence plates manufacturer" by GSR 104(E) dated 11/02/2020. [Download GSR 104(E)]
3. [registering authority/vehicle manufacturer and their dealers] : Substituted for "licence plate manufacturer or his dealer" by GSR 104(E) dated 11/02/2020. [Download GSR 104(E)]
4. [the plate shall be fastened with non-removable/non-reusable snap lock fitting system on rear of the vehicle] : Omitted "at the premises of the registering authority;" by GSR 104(E) dated 11/02/2020. [Download GSR 104(E)]
5. [The license plates with all the above specifications and the specified registrations for a new vehicle shall be issued by the registering authority or vehicle manufacturers and their dealers and for existing old registered vehicle shall be issued by registering authority or vehicle manufacturers and their dealers or by the : Substituted by GSR 104(E) dated 11/02/2020. [Download GSR 104(E)]
6. licence plate manufacturers or their dealers approved by the State Government or

Union Territory Administration. : Substituted for the words " approved licence plate manufactures or their dealers" by GSR 640(E) dated 18/08/2022 (w.e.f 18-08-2022).

[Download GSR 640(E)]

7. The Central Road Research Institute, New Delhi or any agency authorised under rule 126 shall approve the security registration as per the provisions of this rule] : Substituted by GSR 104(E) dated 11/02/2020. [Download GSR 104(E)]

8. [Provided that the High Security Registration Plate including the third registration mark, wherever required, shall be supplied by the vehicle manufacturers along with the vehicles manufactured on or after the 1st day of April, 2019 to their dealers and dealers shall place a mark of registration on such plates and affix them on the vehicle. :

Substituted by GSR 1162(E), dt. 04/12/2018 (w.e.f. 01/04/2019). [Download GSR 1162(E)]

9. : Substituted by GSR 1162(E), dt. 04/12/2018 (w.e.f. 01/04/2019). [Download GSR 1162(E)]

10. Provided further that the dealers of the vehicle manufacturers may also affix such plates, Supplied by the vehicle manufacturers, on old vehicles after placing the registration mark of registration.] : Substituted by GSR 1162(E), dt. 04/12/2018 (w.e.f. 01/04/2019). [Download GSR 1162(E)]

11. [also] : Substituted the word "further" by GSR 1162(E), dt. 04/12/2018 (w.e.f. 01/04/2019). [Download GSR 1162(E)]

12. [Provided also that the size of registration plate for combine harvester shall be 340 mm x 200 mm and exhibited at the front and at the rear of combine harvester and at the rear of trailer for header assembly used during transport] : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 01/04/2015). [Download GSR 212(E)]

13. [Provided also that the size of registration plate for power tiller shall be 285x45 mm and shall be exhibited at the front. Further, in case of trailer coupled to power tiller, the size of registration plate shall be 200x100 mm and shall be exhibited on its rear] :

Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2006). [Download GSR 589(E)]

14. [Provided also that in case of a motor cycle, the size of 285x45 mm for front registration plate shall also be permitted] : Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

15. [the letters of the registration mark shall be in English and the figures shall be in Arabic numerals and shall be shown:— : Clause (d) substituted by GSR 221(E), dt.

28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)] and again substituted by GSR 901(E), dt. 13/12/2001 (w.e.f. 13/12/2001).

16. : Clause (d) substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)] and again substituted by GSR 901(E), dt. 13/12/2001 (w.e.f. 13/12/2001).

17. : Clause (d) substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)] and again substituted by GSR 901(E), dt. 13/12/2001 (w.e.f. 13/12/2001).

18. : Clause (d) substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)] and again substituted by GSR 901(E), dt. 13/12/2001 (w.e.f. 13/12/2001).

19. (A) in the case of transport vehicles in black colour on yellow background; and : Clause (d) substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)] and again substituted by GSR 901(E), dt. 13/12/2001 (w.e.f. 13/12/2001).

20. [in case of motor cab under rent a cab scheme, 1989 or motor cycle (L1 and L2 category two wheeler) under rent a motor cycle scheme 1997, in yellow colour on black background, however in case of battery operated or electrically powered motor cab under rent a cab scheme 1989 or motor cycle under rent a motor cycle scheme 1997, in black colour on green background; and][(AB) in case of motor cab under rent a cab scheme, 1989 or motor cycle (L1 and L2 category two wheeler) under rent a motor cycle scheme 1997, in yellow colour on black background, however in case of battery operated or electrically powered motor cab under rent a cab scheme 1989 or motor cycle under rent a motor cycle scheme 1997, in black colour on green background; and] : Inserted by G.S.R 104(E), dated 11-02-2020 (w.e.f. 11-02-2020). [Download GSR 104(E)]

21. [In case of Battery Operated Vehicles, the registration mark shall be exhibited in Yellow colour on Green background for transport vehicles and for all other cases, in White colour on Green background] : Inserted by G.S.R. 749(E), dt. 07/08/2018 (w.e.f. 07/08/2018). [Download GSR 749(E)]

22. [The registration mark shall be exhibited in two lines, the State code and registering authority code forming the first line and the rest forming the second line, one below the other: : Added by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]

23. [Provided that the registration mark in the front may be in one line, in case, in

200mm x 100mm size plate, there is no sufficient place to exhibit the registration mark in one line, the registration mark may be exhibited in two lines:] : Proviso substituted by GSR 104(E), dt. 11/02/2020 (w.e.f. 11/02/2020). [Download GSR 104(E)]

24. [vertical plane by more than 45 degrees.] : Substituted by GSR 111(E), dt. 10/02/2004 for "vertical by more than 30 degrees" (w.e.f. 10/08/2004). [Download GSR 111(E)]

25. The registration mark of the modular hydraulic trailer may not be exhibited on the puller tractor. : Inserted by GSR 212(E), dt. 20/03/2015. (w.e.f. 01/04/2015). [Download GSR 212(E)]

26. The registration mark for BH-series vehicle generated randomly through the portal shall be in black on white background and shall be exhibited in the following manner, namely:— : Sub-Rule (8) Inserted by GSR 594(E), dt. 26/08/2021. (w.e.f. 15/09/2021). [Download GSR 594(E)]

27. In case of L2-5 category of vehicles, a single registration number shall be allotted for both the configurations, namely separated two-wheeled vehicle of L2 category or combined three wheeled vehicles of L5 category; and at any point of time there shall be only one registration mark displayed on the front and one on the rear of the vehicle irrespective of the configuration. : Sub-Rule (9) & (10) inserted by G.S.R 354(E), dated 26-06-2024 (w.e.f. 26-06-2024). [Download GSR 354(E)]

Rule 51 ~ Size of letters and numerals of the registration mark.

The dimension of letters and figures of the registration mark and the space between different letters and numerals and letters and edge of the plain surface shall be as follows:—

Sr. No.	Class of vehicle		Dimensions not less than		
			Height	Thickness	Space between
(1)	(2)		(3)	(4)	(5)

1	All motor cycles and three - wheeled invalid carriages	Rear-letters	35	7	
2	All motor cycles and three - wheeled invalid carriages	Rear-numeral	40	7	
3	Motorcycles with engine capacity less than 70 cc	Front-letters & numerals	15	2.5	2
4	Other motor cycles	Front-letters & numerals	30	5	
5	Three wheelers of engine capacity not exceeding 500 cc [E-rickshaw and E-cart]	Rear and front numerals and letters	35	7	
6	Three-wheelers of engine capacity exceeding 500 cc	Rear and front numerals and letters	40	7	
7	All other motor vehicles	Rear and front numerals and letters	65	10	
8	Power tillers	Front-letters & numerals	15	2.5	2
9	Trailers coupled to power trillers	Rear letters and numerals	30	5	
10	Combine harvester	Front and rear letters and numerals	65	10	
11	Trailer for header assembly of combine harvester	Rear letters and numerals	65	10	

12	Construction Equipment Vehicle	Front and rear letters and numerals. - a) With plate size 500x120 mm or 340x200 mm	65	10	
		b) With plate size 200x100 mm	35	7	
		c) With plate size 285x45 mm	30	5	

1. The dimension of letters and figures of the registration mark and the space between different letters and numerals and letters and edge of the plain surface shall be as follows:— : Substituted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993)
[Download GSR 338(E)]
2. [E-rickshaw and E-cart] : Inserted by GSR 709(E), dt. 08/10/2014, (w.e.f. 08/10/2014)
[Download GSR 709(E)]
3. Construction Equipment Vehicle : Inserted by G.S.R 104(E), dated 11-02-2020 (w.e.f. 11-02-2020). [Download GSR 104(E)]

Rule 51A ~ Concession in motor vehicle tax.

In case the vehicle is registered against submission of "Certificate of Deposit", the concession in the motor vehicle tax shall be,-

- i. upto twenty five per cent., in case of non-transport vehicles;
- ii. upto fifteen per cent., in case of transport vehicles; and
- iii. up to fifty per cent, against such certificate for all transport and non-transport vehicles which are manufactured as per Mass Emission Standards Bharat Stage I (BS-I) norms and earlier Mass Emission Standard norms and all medium and heavy goods motor vehicles and all medium and heavy passenger motor vehicles which are manufactured as per Mass Emission Standards Bharat Stage II (BS-II) norms:

Provided that this concession shall be available upto eight years, in case of transport vehicles, and upto fifteen years, in case of non-transport vehicles and there shall be no concession in the motor vehicle tax in case of transport vehicles, after eight years, and, in case of non-transport vehicles, after fifteen years.

Explanation 1.- For the purposes of this rule, these periods shall be reckoned from the date of first registration in both cases.

Explanation 2.- For the purposes of these rules, the expression "Certificate of Deposit" shall have the same meaning as assigned to it in clause (c) of sub-rule (1) of rule 3 of the Motor Vehicles (Registration and Functions of Vehicle Scrapping Facility) Rules, 2021.

1. In case the vehicle is registered against submission of "Certificate of Deposit", the concession in the motor vehicle tax shall be,- : Rule 51A inserted by GSR 720(E), dt. 05/10/2021 (w.e.f. 01/04/2022). [Download GSR 720(E)]
2. up to fifty per cent, against such certificate for all transport and non-transport vehicles which are manufactured as per Mass Emission Standards Bharat Stage I (BS-I) norms and earlier Mass Emission Standard norms and all medium and heavy goods motor vehicles and all medium and heavy passenger motor vehicles which are manufactured as per Mass Emission Standards Bharat Stage II (BS-II) norms: : Clause (iii) inserted by GSR 200(E), dt. 26/03/2025 (w.e.f. 26/03/2025). [Download GSR 200(E)]

Rule 51B ~ Principle for motor vehicle tax.

(1) In case of fully built non-transport vehicles, the motor vehicle tax shall be calculated electronically through the portal on the basis of invoice price excluding Goods and Services Tax (GST).

(2) The Motor Vehicle Tax levied by the States or Union Territories at the time of registration in respect of BH - Series non-transport vehicles shall be the following, namely:—

Sr. No	Invoice Price	Motor vehicle Tax (% of Invoice Price)	Remarks
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1	Below Rs 10 lakh	8%	2% extra charge shall be levied for diesel vehicles. Electric vehicles shall be charged 2% less tax.
2	Rs 10-20 lakh	10%	
3	Above Rs 20 lakh	12%	

(3) In case, where the vehicle bears BH-Series registration mark, the motor vehicle tax shall be levied electronically through the portal for two years, or in multiples of two, as the case may be, in the following manner, namely:—

Motor Vehicle tax for two years for the vehicle under BH-series registration	=	$\frac{\text{Motor Vehicle tax as per Invoice Price} * 1.25 * 2}{15}$ (Rounded to next integer)
Note:—After seven days from the due date of payment of motor vehicle tax, an additional fee of one hundred rupees per day shall be levied in case of delay in payment of road tax.		

Provided that on and after fourteenth year from the date of first registration, the motor vehicle tax (Rounded to next integer) shall be levied annually which will be half of the tax as mentioned in sub-rule (3).

Provided further that if a vehicle registered in BH - series, is transferred in the name of such person who is not eligible for BH-series, as per clause (ca) or (cb) of sub-rule (1) of rule 47, then, such vehicle shall be liable for assignment of new registration mark from regular registration series prevailing in the concerned State or Union Territory and such vehicle shall also be liable for motor vehicle tax as per the taxation rules of concerned State or Union Territory:

Provided also that if a vehicle registered in BH-series, is transferred in the name of such person who is eligible for BH - series, then such vehicle shall continue to be validly registered under BH-series so long as transferee remains eligible for BH - series:

Provided also that if at any time owner of the vehicle registered in BH-series, ceases to be eligible for BH - series, as per clauses (ca) or (cb) of sub-rule (1) of rule 47, then such vehicle shall continue to be registered under BH - series for the remaining period for which tax has been paid.

(4) If at any time, owner of a vehicle registered in regular series of any State or Union Territory becomes eligible for BH-series as per clause (ca) or (cb) of sub-rule (1) of rule 47 and owner of such vehicle opts for registration mark in BH -series for such vehicle, then owner of such vehicle shall apply in Form 27A for assignment of registration mark in BH-series to any registering authority of the State or Union Territory in which such vehicle is currently registered or placed.

(5) On assignment of registration mark in BH-series, the owner of the vehicle referred to in sub-rule (4) shall be liable to pay tax as per sub-rule (3).

1. In case of fully built non-transport vehicles, the motor vehicle tax shall be calculated electronically through the portal on the basis of invoice price excluding Goods and Services Tax (GST). : Rule 51B inserted by GSR 594(E), dt. 26/08/2021 (w.e.f. 15/09/2021). [Download GSR 594(E)]
2. Provided furt : Inserted by GSR 879(E), dt. 14/12/2022 (w.e.f. 14/12/2022). [Download GSR 879(E)]
3. her that if a vehicle registered in BH - series, is transferred in the name of such person who is not eligible for BH-series, as per clause (ca) or (cb) of sub-rule (1) of rule 47, then, such vehicle shall be liable for assignment of new registration mark from regular registration series prevailing in the concerned State or Union Territory and such vehicle shall also be liable for motor vehicle tax as per the taxation rules of concerned State or Union Territory: : Inserted by GSR 879(E), dt. 14/12/2022 (w.e.f. 14/12/2022). [Download GSR 879(E)]
4. Provided also that if a vehicle registered in B : Inserted by GSR 879(E), dt. 14/12/2022 (w.e.f. 14/12/2022). [Download GSR 879(E)]
5. H-series, is transferred in the name of such person who is eligible for BH - series, then such vehicle shall continue to be validly registered under BH-series so long as transferee remains eligible for BH - series: : Inserted by GSR 879(E), dt. 14/12/2022 (w.e.f. 14/12/2022). [Download GSR 879(E)]
6. Provided also that if at any time owner of th : Inserted by GSR 879(E), dt. 14/12/2022 (w.e.f. 14/12/2022). [Download GSR 879(E)]

7. e vehicle registered in BH-series, ceases to be eligible for BH - series, as per clauses (ca) or (cb) of sub-rule (1) of rule 47, then such vehicle shall continue to be registered under BH - series for the remaining period for which tax has been paid. : Inserted by GSR 879(E), dt. 14/12/2022 (w.e.f. 14/12/2022). [Download GSR 879(E)]
8. If at any time, owner of a vehicle registered in regular series of any State or Union Territory becomes eligible for BH : Sub-rule (4) & (5) inserted by GSR 879(E), dt. 14/12/2022 (w.e.f. 14/12/2022). [Download GSR 879(E)]
9. -series as per clause (ca) or (cb) of sub-rule (1) of rule 47 and owner of such vehicle opts for registration mark in BH -series for such vehicle, then owner of such vehicle shall apply in Form 27A for assignment of registration mark in BH-series to any registering authority of the State or Union Territory in which such vehicle is currently registered or placed. : Sub-rule (4) & (5) inserted by GSR 879(E), dt. 14/12/2022 (w.e.f. 14/12/2022). [Download GSR 879(E)]

Rule 52 ~ Renewal of certificate of registration.

(1) An application by or on behalf of the owner of a motor vehicle [or authorised dealer of registered vehicle](#), other than a transport vehicle, for the renewal of a certificate of registration, shall be made to [\[any registering authority in the State in which\]](#) the vehicle is, in Form 25 not more than sixty days before the date of its expiry, accompanied by the appropriate fee as specified in rule 81.

Explanation.- For the purpose of this subrule, an authorised dealer of registered vehicle shall be a dealer who is authorised to engage in sale or purchase of registered vehicles.

(2) On receipt of an application under sub-rule (1), the registering authority shall refer the vehicle to the authority referred to in sub-section (1) of section 56 and after obtaining a certificate of fitness from that authority, renew the certificate of registration [\[for a period of five years\]](#):

Provided that in a case where the certificate of fitness is granted on a date after the expiry of a certificate of registration, the renewal shall be made from the date of grant of the certificate of fitness for a period of five years.

[\[Provided further that in case where the certificate of fitness is granted on a date before the expiry of a certificate of registration, the renewal shall be effective from the date of expiry of certificate of registration for a period of five years:\]](#)

[Provided also that recording of the renewal of the certificate of registration on the Portal for motor vehicles or the Portal for National Register of Motor Vehicles shall be deemed to be sufficient intimation to the original registering authority for the purpose of sub-section (10) of section 41 of the Act.]

(3) A motor vehicle other than a transport vehicle shall not be deemed to be validly registered for the purposes of section 39, after the expiry of the period of validity entered in the certificate of registration and no such vehicle shall be used in any public place until its certificate of registration is renewed under sub-rule (2).

(4) [In case of transport vehicles, the validity of certificate of registration shall be co-terminus with the validity of certificate of fitness.]

1. or authorised dealer of registered vehicle, : Inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]
2. [any registering authority in the State in which] : Substituted for the words "the registering authority whose jurisdiction" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. Explanation.- For the purpose of this subrule, an authorised dealer of registered vehicle shall be a dealer who is authorised to engage in sale or purchase of registered vehicles. : Inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]
4. [for a period of five years]: : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
5. [Provided further that in case where the certificate of fitness is granted on a date before the expiry : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
6. of a certificate of registration, the renewal shall be effective from the date of expiry of certificate of registration for a period of five years: : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
7. [Provided also that recording of the renewal of the certificate of registration on the Portal for motor vehi : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
8. cles or the Portal for National Register of Motor Vehicles shall be deemed to be sufficient intimation to the original registering authority for the purpose of sub-section (10) of section 41 of the Act. : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f.

01/04/2021). [Download GSR 240(E)]

9.] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

10. [In case of transport vehicles, the validity of certificate of registration shall be co : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

11. -terminus with the validity of certificate of fitness.] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 52A ~ Renewal of certificate of registration of Government vehicles.

(1) [Notwithstanding anything contained in rule 52, the certificate of registration in respect of a motor vehicle owned by -

- i. the Central Government; or
- ii. the State Government or Union Territory administrations; or
- iii. any Municipal Corporation or Municipality or Panchayat; or
- iv. a State transport undertaking established under the Road Transport Corporation Act, 1950 (64 of 1950) and the Companies Act, 2013 (18 of 2013); or
- v. a Public sector undertaking; or
- vi. an autonomous body owned or controlled by the Central Government or the State Government,

shall expire after the lapse of fifteen years, as provided in sub-section (7) of section 41, from the date of initial registration of the vehicle:

Provided that the certificate of registration of government vehicle if already renewed before lapse of fifteen years from the date of initial registration, such certificate shall be treated as cancelled on completion of fifteen years from the date of initial registration of the vehicle:

Provided further that, this rule shall not apply to the special purpose vehicles (armoured and other specialised vehicles) used for operational purposes for defense of the country and for the maintenance of law and order and internal security.

(2) Disposal of such vehicles shall, after the expiry of the fifteen years from the date of initial registration of the vehicle, be ensured through the Registered Vehicle Scrapping Facility set up

in accordance with the Motor Vehicles (Registration and Functions of Vehicle Scrapping Facility) Rules, 2021, as amended from time to time.]

1. [Notwithstanding anything contained in rule 52, the certificate of registration in respect of a motor vehicle owned by - : Rule 52A inserted by GSR 29(E), dt. 16/09/2023 (w.e.f. 01/04/2023). [Download GSR 29(E)]

Rule 53 ~ Issue of duplicate certificate of registration.

(1) If at any time the certificate of registration is lost or destroyed, the owner of a motor vehicle or authorised dealer of registered vehicle shall intimate the fact in writing to any registering authority in the State in which the vehicle is currently registered.

(2) An application for the issue of a duplicate certificate of registration shall be made to the [any registering authority in the State in which the vehicle was last registered] in Form 26 and shall be accompanied by the appropriate fee as specified in Rule 81.

► OLD RULE:

1. If at any time the certificate of registration is lost or destroyed, the owner of a motor vehicle or authorised dealer of registered vehicle shall intimate the fact in writing to any registering authority in the State in which the vehicle is currently registered. : Substituted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]

2. [any registering authority in the State in which the vehicle was last registered] : Substituted for the words "the last registering authority" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 53A ~ Application for temporary registration.

[An application for temporary registration in case the motor vehicle is being registered in a state other than the state in which the dealer is situated or in case of a purchased chassis on

which the body has to be fabricated separately or in case of fully built motor vehicle which is to be altered for conversion to an adapted vehicle,, shall be made electronically on the Portal by the owner to any registering authority or other authority as may be prescribed by the State Government, in Form 20, and shall be accompanied by the documents required to be submitted along with an application for registration of motor vehicles as per sub-rule (1) of rule 47 along with the appropriate fee as specified in rule 81]

1. [An application for : Rule 53A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. temporary registration in case the motor vehicle is being registered in a state other than the state in which the dealer is situated or in case of a purchased chassis on which the body has to be fabricated separately : Rule 53A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. or in case of fully built motor vehicle which is to be altered for conversion to an adapted vehicle, : Inserted by GSR 289(E), dt. 13/04/2023 (w.e.f. 13/04/2023). [Download GSR 289(E)]
4. shall be made elec : Rule 53A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
5. tronically on the Portal by the owner to any registering authority or other authority as may be prescribed by the State Government, in Form 20, and shall be accompanied by the documents required to be submitted along with an application for registration of motor vehicles as per sub-rule (1) of rule 47 along with the appropriate fee as specified in rule 81] : Rule 53A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 53B ~ Issue of temporary certificate of registration.

(1) [The temporary registration certificate shall be generated electronically in Form 23B immediately on receipt of application for temporary registration along with requisite fees.

(2) Any temporary registration granted under sub-rule (1) shall be valid for an initial period of six months from the date of its issue:

Provided that where the motor vehicle registered under sub-rule (1), is a chassis to which a body has not been attached and the same is detained in a workshop beyond the said period of six months for being fitted with a body or due to any unforeseen circumstances beyond the

control of the owner, the registering authority may, on submission of application in Form 20B and payment of appropriate fee as specified in rule 81 by the owner, extend the initial period of validity one or more times by 30 days each, as the registering authority may deem fit.

{Provided further that in case of fully built motor vehicle which is to be altered for conversion to an adapted vehicle or the motor vehicle is being registered in a State other than the State in which the dealer is situated, the validity of such temporary registration shall be for a period of forty five days from the date of its issue.}

(3) Upon granting an extension of the initial period of validity of certificate of temporary registration by any further period or periods under sub-rule (2), the registering authority shall make an appropriate entry in Form 23B.]

1. [The temporary registration certificate shall be generated : Rule 53B inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. electronically in Form 23B immediately on receipt of application for temporary registration along with requisite fees. : Rule 53B inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. {Provided further that in case of fully built motor vehicle which is to be altered for conversion to an adapted vehicle or the motor vehicle is being registered in a State other than the State in which the dealer is situated, the validity of such temporary registration shall be for a period of forty five days from the date of its issue.} : Proviso inserted by GSR 289(E), dt. 13/04/2023 (w.e.f. 13/04/2023). [Download GSR 289(E)]

Rule 53C ~ Assignment of temporary registration marks.

(1) [The authority granting a temporary certificate of registration shall assign a temporary registration mark to the vehicle, for example: -

- T-Represent temporary certificate;
- 08-Month of issuance of temporary certificate of registration 20-Year of issuance of temporary certificate of registration;
- AB-Represent State Code;
- 1234-Serial Number of Temporary Registration;
- AB-Alphabet of Temporary Registration (Except O and I).

(2) The owner shall ensure that the said mark is affixed to the front and rear of the motor vehicle.]

1. [The authority granting a temporary certificate of registration : Rule 53C inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. shall assign a temporary registration mark to the vehicle, for example: - : Rule 53C inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
3. T-Represent temporary certificate; 08-Month of issuance of temporary certificate of registration 20-Year of issuance of temporary certificate of registration; AB-Represent State Code; 1234-Serial Number of Temporary Registration; AB-Alphabet of Temporary Registration (Except O and I). : Rule 53C inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
4. (2) The owner shall ensure that the said mark is affixed to the front and rear of the motor vehicle.] : Rule 53C inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 54 ~ Assignment of new registration mark.

(1) An application for the assignment of a new registration mark under sub-section (1) of section 47 shall be made in Form 27 and shall be accompanied by a no objection certificate in Form 28 along with the appropriate

Provided that where a motor vehicle is intended to be kept in a State for a period exceeding twelve months and the owner of such vehicle makes a declaration to that effect, the application may be made at any time within the said period of twelve months.

(2) On receipt of an application under sub-rule (1), the registering authority shall, subject to the provision of section 44, assign to the vehicle the registration mark.

(3) This rule, shall not apply to a vehicle having BH- Series registration mark.

Provided that the owner of the vehicle bearing BH Series registration mark shall intimate the registering authority of his place of residence in Form 33, within thirty days, electronically through the portal, in case the vehicle is being kept in the State other than where the vehicle was earlier registered.

1. This rule, shall not apply to a vehicle having BH- Series registration mark. : Inserted by GSR 594(E), dt. 26/08/2021 (w.e.f. 15/09/2021). [Download GSR 594(E)]
2. : Inserted by GSR 594(E), dt. 26/08/2021 (w.e.f. 15/09/2021). [Download GSR 594(E)]
3. Provided that the owner of the vehicle bearing BH Series registration mark shall intimate the registering authority of his place of residence in Form 33, within thirty days, electronically through the portal, in case the vehicle is being kept in the State other than where the vehicle was earlier registered. : Inserted by GSR 594(E), dt. 26/08/2021 (w.e.f. 15/09/2021). [Download GSR 594(E)]

Rule 55 ~ Transfer of ownership.

(1) Where the ownership of a motor vehicle is transferred, [the owner of a motor vehicle or authorised dealer of registered vehicle](#) shall report the fact of transfer in Form 29 to the registering authorities concerned in whose jurisdiction the [\[transfer is effected\]](#).

(2) An application for the transfer of ownership of a motor vehicle under sub-clause (i) of clause (a) of sub-section (1) of section 50 shall be made by the transferee in Form 30, and shall be accompanied by—

- i. the certificate of registration;
- ii. the certificate of insurance;
- iii. the appropriate fee as specified in Rule 81; and
- iv. [proof of identity of nominee, if any.](#)

(3) An application for transfer of ownership of a motor vehicle under sub-clause (ii) of clause (a) of sub-section (1) of section 50 shall be made by the transferee in Form 30 and shall, in addition to the documents and fee referred to in sub-rule (2), be accompanied by one of the following documents, namely:—

- a. a no objection certificate granted by the registering authority under sub-section (3) of section 48; or
- b. an order of the registering authority refusing to grant the no objection certificate under sub-section (3) of section 48; or

c. where the no objection certificate or the order, as the case may be, has not been received, a declaration by the transferor that he has not received any such communication together with—

(i) the receipt obtained from the registering authority under subsection (2) of section 48; or

(ii) the postal acknowledgement received from the registering authority where the application for no objection certificate has been sent by post.

(4) [\[Recording of the transfer of ownership of any motor vehicle on the Portal for motor vehicles or the Portal for National Register of Motor Vehicles shall be deemed to be sufficient intimation to the original registering authority for the purpose of sub-section \(7\) of section 50 of the Act.\]](#)

1. the owner of a motor vehicle or authorised dealer of registered vehicle : Substituted for the words "the transferor" by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023).

[Download GSR 901(E)]

2. [transfer is effected]. : Substituted for the words "transferor and the transferee reside or have their places of business" by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).

[Download GSR 240(E)]

3. proof of identity of nominee, if any. : Inserted by G.S.R 277(E), dt. 08/04/2021 (w.e.f. 08/04/2021). [Download GSR 277(E)]

4. [Recording of the transfer of ownership of any motor vehicle on the Portal for motor vehicles or the Portal : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).

[Download GSR 240(E)]

5. for National Register of Motor Vehicles shall be deemed to be sufficient intimation to the original registering authority for the purpose of sub-section (7) of section 50 of the Act. : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

6.] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 55A ~ Authorisation of dealers of registered vehicles.

(1) [No person shall act as dealer of a registered vehicle without a valid authorisation certificate issued in Form 29B by the registering authority in whose jurisdiction, he has place](#)

[of business.](#)

(2) An application for grant or renewal of authorisation certificate for sale of registered vehicle shall be made electronically on portal in Form 29A, accompanied by appropriate fee as specified in rule 81, to the registering authority, in whose jurisdiction he has place of business.

(3) On receipt of an application under sub-rule (2), the registering authority may, if satisfied, issue to the applicant the authorisation certificate, electronically on portal, in downloadable and printable form, in Form 29B, within thirty days from the date of receipt of such an application and if it is not disposed of within the said period of thirty days, the application shall be deemed to be approved and authorisation certificate shall be deemed to be granted or renewed, as the case may be, through the portal.

(4) No application for grant or renewal of authorisation certificate shall be refused by the registering authority unless the applicant is given an opportunity of being heard and reasons of such refusal are given in writing.

(5) An authorisation certificate granted or renewed shall be valid for a period of five years from the date of initial grant or renewal.

(6) The authorisation certificate so granted shall be exhibited at conspicuous place, at the business place of authorised dealer of registered vehicles.

(7) The authorised dealer of registered vehicles is not permitted to park or store his inventory of vehicles for sale on any public road.

1. No person shall act as dealer of a registered vehicle without a valid authorisation certificate issued in Form 29B by the registering authority in whose jurisdiction, he has place of business. : Rule 55A inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]

Rule 55B ~ Intimation about the fact of delivery of vehicle to authorised dealer of registered vehicles.

(1) [Registered owner of a motor vehicle shall intimate the registering authority, with whom the vehicle is currently registered, the fact of delivery of vehicle to authorised dealer of registered vehicles, through Form 29C, submitted electronically on portal, dually signed by](#)

him and authorised dealer of registered vehicles and on successful submission of Form 29C on the portal, acknowledgement number shall be auto generated through the portal.

(2) Registered owner of a motor vehicle shall intimate the registering authority, to whom the intimation under sub-rule (1) has been given, the fact of taking back vehicle from authorised dealer of registered vehicles, through Form 29D, submitted electronically on portal, dually signed by him and authorised dealer of registered vehicles and on successful submission of Form 29D on the portal, acknowledgement number shall be auto generated through the portal.

1. Registered owner of a motor vehicle shall intimate the registering authority, with whom the vehicle is currently registered, the fact of delivery of vehicle to authorised dealer of registered vehicles, through Form 29C, submitted electronically on portal, dually signed by him and authorised dealer of registered vehicles and on successful submission of Form 29C on the portal, acknowledgement number shall be auto generated through the portal. : Rule 55B inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023).

[Download GSR 901(E)]

Rule 55C ~ Power and responsibility of authorised dealer of registered vehicles.

(1) After submission of Form 29C, the authorised dealer of registered vehicles shall be deemed owner of the motor vehicle and shall be solely responsible for validity of all relevant documents of the vehicle and all incidents related to such vehicle.

(2) The authorised dealer of registered vehicles shall be competent to apply for renewal of registration certificate or renewal of certificate of fitness, duplicate registration certificate, No Objection Certificate, insurance, transfer of ownership of motor vehicle, in relation to vehicles in his possession through Form 29C.

(3) The authorised dealer of registered vehicles shall maintain the record of inventory electronically, in Form 29E on portal.

1. After submission of Form 29C, the authorised dealer of registered vehicles shall be deemed owner of the motor vehicle and shall be solely responsible for validity of all relevant documents of the vehicle and all incidents related to such vehicle. : Rule 55C inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]

Rule 55D ~ Purposes for which motor vehicle in possession of authorised dealer of registered vehicles to be used.

An authorised dealer of registered vehicles shall not use any vehicle which is in his possession under rule 55B in a public place for any purpose other than the following, namely:-

- a. for a reasonable trial or demonstration by or exhibition by or for the benefit of a prospective purchaser; or
- b. for proceeding to or returning from a service center with the objective of painting or for repairs; or
- c. for proceeding to or returning from vehicle inspection and certification center or Pollution Under Control center for the purpose of renewal of certificate of registration or certificate of fitness or Pollution Under Control Certificate, as the case may be;

Provided that during use of such vehicles in public place, authorisation certificate number shall be exhibited legibly on conspicuous part of vehicle, which can be easily readable from a distance of at least fifteen meters.

1. An authorised dealer of registered vehicles shall not use any vehicle which is in his possession under rule 55B in a public place for any purpose other than the following, namely:- : Rule 55D inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023).

[Download GSR 901(E)]

Rule 55E ~ Maintenance of vehicle trip register.

(1) An authorised dealer of registered vehicles shall maintain an electronic register in Form 29F on the portal.

(2) The particulars referred to in Form 29F, except the time of return under column (7), shall be entered before the commencement of each trip by the holder of the authorisation certificate or his representative and print out of Form 29F for such vehicle shall be carried during the trip by the driver of the vehicle and shall be produced on demand by any officer empowered to demand production of documents by or under the Act.

(3) The holder of an authorisation certificate shall, at the end of a trip, fill in column (7) of the Form 29F electronically, which shall be open for inspection by the registering authority.

1. An authorised dealer of registered vehicles shall maintain an electronic register in Form 29F on the portal. : Rule 55E inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]

Rule 55F ~ Suspension or cancellation of authorised certificate.

If the registering authority has reason to believe that the holder of any authorisation certificate has not complied with the provisions of rules 55C to 55E, it shall report the fact of non-compliance of the said provisions along with reasonable proof, to the head of the Motor Vehicles Department established under section 213. The said head of the department may, after giving the holder of authorisation certificate an opportunity of being heard, by an order suspend or cancel the authorisation certificate held by him.

1. If the registering authority has reason to believe that the holder of any authorisation certificate has not complied with the provisions of rules 55C to 55E, it shall report the fact of non-compliance of the said provisions along with reasonable proof, to the head of the Motor Vehicles Department established under section 213. The said head of the department may, after giving the holder of authorisation certificate an opportunity of being heard, by an order suspend or cancel the authorisation certificate held by him. : Rule 55F inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]

Rule 55G ~ Appeal.

Any person aggrieved by the order under rule 55A or 55F may, within thirty days of the receipt of any such order, appeal to the concerned authority as authorised by the State Government or Union Territory Administration.

1. Any person aggrieved by the order under rule 55A or 55F may, within thirty days of the receipt of any such order, appeal to the concerned authority as authorised by the State Government or Union Territory Administration. : Rule 55G inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]

Rule 55H ~ Procedure for appeal.

(1) The appeal referred to in rule 55G shall be preferred in duplicate in the form of a memorandum, setting forth the grounds of objections to the order of the concerned authority

and shall be accompanied by appropriate fee as specified in rule 81 and a certified copy of the order appealed against.

(2) The appellate authority, after giving an opportunity to the parties to be heard and after such enquiry, if any, as it deems necessary, pass appropriate orders within the period of thirty days from the date of receipt of such an appeal.

1. The appeal referred to in rule 55G shall be preferred in duplicate in the form of a memorandum, setting forth the grounds of objections to the order of the concerned authority and shall be accompanied by appropriate fee as specified in rule 81 and a certified copy of the order appealed against. : Rule 55H inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]

Rule 56 ~ Transfer of ownership on death of owner of the vehicle.

(1) Where the owner of a motor vehicle dies, the person nominated by the vehicle owner in the certificate of registration or the person succeeding to the possession of the vehicle, as the case may be, may for a period of three months from the death of the owner of the motor vehicle, use the vehicle as if it has been transferred to him:

Provided that such person has, within thirty days of the death of the owner, informed the registering authority of the occurrence of the death of the owner and of his own intention to use the vehicle.

(2) The nominee or person succeeding to the possession of the vehicle, as the case may be, shall apply in Form 31 within the period of three months from the death of the owner of the motor vehicle, to the registering authority for the transfer of ownership of the vehicle in his name, accompanied by—

- a. the appropriate fee as specified in rule 81;
- b. the death certificate in relation to the registered owner;
- c. the certificate of registration;
- d. the certificate of insurance;
- e. driving license and permit in case of E-rickshaw and E-cart; and
- f. proof of identity of the nominee to be mentioned in the certificate of registration.

(3) Where the nominee is a minor, the registration of the motor vehicle be made in case -

- i. where a person has been authorised to receive it, in name of that person;
- ii. where there is no such person, in name of any natural guardian, testamentary guardian or guardian of the property of the minor appointed by a competent court.

(4) At the time of death of the owner of a motor vehicle, if there is no nomination in force , and probate of his will or letters of administration of his estate or a succession certificate granted under the Indian Succession Act, 1925 (39 of 1925) is not, produced to the specified authority within three months of the death of the holder, then the registering authority may register the vehicle in the name of any legal heir of the owner appearing to it to be entitled to get the vehicle registered in his name.

► **OLD RULE:**

1. Where the owner of a motor vehicle dies, the person nominated by the vehicle owner in the certificate of registration or the person succeeding to the possession of the vehicle, as the case may be, may for a period of three months from the death of the owner of the motor vehicle, use the vehicle as if it has been transferred to him: : Rule 56 substituted by G.S.R 277(E), dt. 08/04/2021 (w.e.f. 08/04/2021). [Download GSR 277(E)]
2. [x x x] : Omitted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014)
3. [and] : Inserted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014)
4. [driving license and permit in case of E-rickshaw and E-cart.] : Inserted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014)

Rule 57 ~ Transfer of ownership of vehicle purchased in public auction.

(1) The person who has acquired or purchased a motor vehicle at a public auction conducted by or on behalf of the Central Government or a State Government shall make an application in Form 32 within thirty days of taking possession of the vehicle to the registering authority accompanied by—

- a. the appropriate fee as specified in rule 81;
- b. the certificates of registration and insurance;

- c. the certificate or order confirming the sale of the vehicle in his favour duly signed by the person authorised to conduct the auction; [\[x x x\]](#)
- d. the certified copy of the order of the Central Government or State Government authorising the auction of the vehicle; [\[and\]](#)
- e. [\[driving licence and permit in case of transfer of ownership of E-rickshaw and E-cart.\]](#)
- f. [\[proof of identity of nominee, if any.\]](#)

(2) Where the vehicle auctioned is a vehicle without any registration mark, or with a registration mark which on verification is found to be false, the registering authority shall, subject to the provisions of section 44, assign a new registration mark to the vehicle in the name of the Department of the Central Government or State Government auctioning the vehicle and thereafter record the entries of transfer of ownership of the vehicle giving the name and address of the person to whom the vehicle is sold:

[\[Provided that motor vehicle in the name of the Central Government or State Government shall not be transferred by the concerned registering authority without verifying the proceeding of the auction or disposal of the concerned vehicle.\]](#)

1. [\[x x x\]](#) : Omitted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014). [Download GSR 709(E)]
2. [\[and\]](#) : Inserted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014). [Download GSR 709(E)]
3. [\[driving licence and permit in case of transfer of ownership of E-rickshaw and E-cart.\]](#) : Inserted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014). [Download GSR 709(E)]
4. proof of identity of nominee, if any. : Inserted by G.S.R 277(E), dt. 08/04/2021 (w.e.f. 08/04/2021). [Download GSR 277(E)]
5. [\[Provided that motor vehicle in the name of the Central Government or State Government shall not be transferred by the concerned registering authority without verifying the proceeding of the auction or disposal of the concerned vehicle.\]](#) : Inserted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/02/2004). [Download GSR 111(E)]

Rule 58 ~ No objection certificate.

(1) An application for the issue of no objection certificate under section 48 in respect of a motor vehicle shall be made [by the owner of a motor vehicle or authorised dealer of registered](#)

[vehicle](#) in Form 28 to the registering authority by which the vehicle was previously registered, accompanied by—

- a. the certified copy of the certificate of registration;
- b. the certified copy of the certificate of insurance;
- c. evidence of payment of motor vehicle tax up-to-date;
- d. where no tax is payable for a certain period a certificate from the tax collecting authority that no tax is due from the vehicle for the said period.

(2) In the case of a transport vehicle, in addition to the documents referred to in sub-rule (1), documentary evidence in respect of the following matters shall also be furnished, namely:—

- a. that the vehicle is not covered by any permit issued by any transport authority;
- b. that the sum of money agreed upon to be paid by the holder of the permit under sub-sections (5) and (6) of section 86, if any, is not pending recovery;
- c. evidence of payment of tax on passengers and goods under any law for the time being in force upto the date of application for no objection certificate.

(3) On receipt of an application under sub-rule (1), the registering authority shall fill Part III of Form 28 and return that part to the applicant duly-signed.

(4) Where the registering authority grants or refuses to grant the no objection certificate, it shall return the duplicate copy of the said Form to the applicant and the triplicate copy to the other registering authority after duly filling and signing Part II thereof.

1. by the owner of a motor vehicle or authorised dealer of registered vehicle : Inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]

Rule 59 ~ Change in residence.

(1) [\[An application for recording a change in the residence in the certificate of registration of a motor vehicle shall be made by the owner of the vehicle in Form 33, accompanied by the certificate of registration and proof of address in the manner specified in the rule 4 and the appropriate fee as specified in rule 81, submitted electronically on a Portal, either accessed by the applicant himself or with the help of a Facilitation Centre, or otherwise.\]](#)

(2) Pursuant to sub-section (1A) of section 49 of the Act, the application submitted in sub-rule (1) may be authenticated after verifying the identity of the applicant through e-signature as specified under the provisions of the Information Technology Act, 2000 (21 of 2000) or verified by any other mode of signature or verification as notified by the Central Government.

(3) Recording of the entry of the altered address in the certificate of registration, on the Portal for motor vehicles or the Portal for National Register of Motor Vehicles shall be deemed to be sufficient communication to the original registering authority for the purpose of sub-section (6) of section 49 of the Act.]

► **OLD RULE:**

1. [An application for recording a change in the : Rule (59) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. residence in the certificate of registration of a motor vehicle shall be made by the owner of the vehicle in Form 33, accompanied by the certificate of registration and proof of address in the manner specified in the rule 4 and the appropriate fee as specified in rule 81, submitted electronically on a Portal, either accessed by the applicant himself or with the help of a Facilitation Centre, or otherwise. : Rule (59) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 60 ~ Endorsement of hire-purchase agreements, etc.

(1) [An application for making an entry of hire-purchase, lease or hypothecation agreement in the certificate of registration of a motor vehicle required under sub-section (2) of section 51 of the Act shall be made in Form 34 duly signed by the registered owner of the vehicle and the financier and shall be accompanied by the certificate of registration and the appropriate fee as specified in rule 81.

(2) The recording of endorsement of hire purchase agreement, lease or hypothecation agreement in the certificate of registration on the Portal for registration of motor vehicles or the Portal for National Register of Motor Vehicles shall be deemed to be sufficient intimation to the original registering authority for the purpose of sub-section (12) of section 51 of the Act.

(3) The No Objection Certificate (NOC) shall be issued to the vehicle owner by the Banker or Non-Banking Financial Company or financier within seven working days, from the day on which loan repayment is completed.]

► **OLD RULE:**

1. [An application for making an entry of hire : Rule (60) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. -purchase, lease or hypothecation agreement in the certificate of registration of a motor vehicle required under sub-section (2) of section 51 of the Act shall be made in Form 34 duly signed by the registered owner of the vehicle and the financier and shall be accompanied by the certificate of registration and the appropriate fee as specified in rule 81. : Rule (60) substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 61 ~ Termination of hire-purchase agreements, etc.

(1) An application for making an entry of termination of agreement of hire purchase, lease or hypothecation referred to in sub-section (3) of section 51 shall be made in Form 35 duly signed by the registered owner of the vehicle and the financier, and shall be accompanied by the certificate of registration and the appropriate fee as specified in rule 81.

(2) The application for the issue of a fresh certificate of registration under sub-section (5) of section 51 shall be made in Form 36 and shall be accompanied by a fee as specified in Rule 81.

(3) Where the registered owner has refused to deliver the certificate of registration to the financier or has absconded then the registering authority shall issue a notice to the registered owner of the vehicle in Form 37.

(4) [The recording of termination of hire purchase agreement, lease or hypothecation agreement in the certificate of registration on the Portal for registration of motor vehicles or the Portal for National Register of Motor Vehicles shall be deemed to be sufficient intimation to the original registering authority for the purpose of Section sub-section (12) of section 51 of the Act]

1. [The recording of termination of hire purchase agreement, lease or hypothecation agreement in the : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).

[Download GSR 240(E)]

2. certificate of registration on the Portal for registration of motor vehicles or the Portal for National Register of Motor Vehicles shall be deemed to be sufficient intimation to the original registering authority for the purpose of Section sub-section (12) of section 51 of the Act] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 62 ~ Validity of certificate of fitness.

(1) A certificate of fitness in respect of a transport vehicle granted under section 56 shall be in Form 38 and such certificate when granted or renewed shall be valid for the period as indicated below:—

(a) New transport vehicle	Two years
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(b) Renewal of certificate of fitness in respect of transport vehicles	<p>Two years for vehicles upto eight years old and one year for vehicles older than eight years.</p> <p>Provided that the fitness of the vehicle of the category heavy goods vehicle, heavy passenger motor vehicle, medium goods vehicle, medium passenger motor vehicle and light motor vehicle shall be done mandatorily only through an automated testing station registered under rule 175 with effect from 01st April 2025:</p> <p>Provided further that where the automated testing station registered under rule 175 is operational in the jurisdiction of a registering authority, the fitness of the vehicle shall be done only through such automated testing station with effect from the commencement of the Central Motor Vehicles (Fifth Amendment) Rules, 2023.</p>
(ba) Renewal of certificate of fitness in respect of E-rickshaw and E-cart.	Three years
(c) [X X X X]	
(d) [X X X X]	

[Provided that the renewal of a fitness certificate shall be made only after an Inspecting Officer or authorised testing stations as referred to in sub-section \(1\) of section 56 of the Act\] has carried the tests specified in the Table given below, namely:—](#)

TABLE

<i>SL No.</i>	<i>Item</i>	<i>Check Fitment</i>	<i>Check make/type / rating, etc. as per original equipment</i>	<i>Check Conditions</i>	<i>Check Functioning</i>	<i>Test</i>	<i>Remarks</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>	<i>(7)</i>	
1	Sparkplug / Suppressor cap/High tension cable	Yes	Yes	Yes	No	No	---
2	Head Lamp	Yes	No	Yes	Yes	Check	(a) Beam Annexure case of au testing sta headlight procedure requireme per AIS- 1
3	Other Lights	Yes	No	Yes	Yes	No	Also ensu unauthori not fitted
4	Reflectors	Yes	No	Yes	No	No	Ensure co reflectors reflective per Rule 1
5	Bulbs	Yes	Yes	Yes	No	No	Ensure th bulbs wal especially not highe

							indicated 1993 and that halog P45t caps in all vehi
6	Rear-view mirror or device for indirect vision	Yes	No	Yes	No	No	—
7	Safety Glass	Yes	Yes	Yes	No	No	Laminated glass is us vehicles 1 from Ap onwards
8	Horn	Yes	No	Yes	Yes	No	—
9	Silencer	Yes	No	Yes	Yes	No	Ensure nc
10	Dash board equipment	Yes	No	Yes	Yes	No	—
11	Wind shield wiper	Yes	No	Yes	Yes	No	—
12	Exhaust emission	No	No	No	No	Yes	Pollution Certificat
13	Braking System	Yes	No	Yes	Yes	Yes	(a) As per (b) in case authorized station us brake test procedure

							requirement per AIS-1
14	Speedometer	Yes	No	Yes	Yes	No	As per rule
15	Steering gear	Yes	No	Yes	Yes	Check free play	Check free Rule 98 for with steering
16	Rear Under run Protecting device For N2, N3, T3 & T4	Yes	No	Yes	No	No	As per rule
17	Lateral side Protection Device for N2, N3, T3 and T4	Yes	No	Yes	No	No	As per rule
18	Fastag	Yes	No	Yes	No	No	To be affixed front window
19	[Priority Seats, Signs, securing of crutches/canes/walkers, hand rail/stanchions, controls at priority seats and wheel chair entry/housing/locking arrangement for wheel chair for Differently Abled Passengers or Passengers with reduced mobility.	Yes	No	Yes	Yes	No	Verification provision: Bus Body referred in and (7) of CMV R 1 applicable

20	[Wheel chair entry/housing/ locking arrangement for wheel chair for differently abled passengers and passengers with reduced mobility]	Yes	No	Yes	Yes	No	Ensure provision (1) and (7) of the C Vehicles are con
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[\[Provided further that in case of E-rickshaw and E-cart, the renewal of fitness certificate shall be made only after carrying out test specified in the Table given below:-\]](#)

TABLE

<i>Sl. No.</i>	<i>Items</i>	<i>Check fitment</i>	<i>Check make or Type rating, etc., function as per original equipment recommendation</i>	<i>Check conditions</i>	<i>Check functioning</i>	<i>Test</i>	
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>	<i>(7)</i>	
1.	Maximum Speed	No	No	No	No	Yes	See
Note : The vehicle shall be driven in unladen Condition (with full charge and at full acceleration) on a straight or flat road and when the vehicle attains full speed, the maximum speed shall be calculated by measuring time taken to travel fixed distance (say 50 metres).							
2.	Reflectors	Yes	No	Yes	No	No	Ensure reflecto

							reflecti per rule
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[Provided also that if the tests specified in the Table under the first proviso are conducted by an Inspecting Officer or authorized testing station in a State/ Union Territory other than the State/ Union Territory where the vehicle is registered, the Inspecting Officer who conducted the tests shall, on the same day or on the following working day, upload his inspection report in Form 38A at the portal <http://parivahan.gov.in/vahan> and also send the inspection report signed under his hand and seal to the registering authority by speed post for issue of certificate of fitness by the registering authority within fifteen days from the date of the inspection report, if the vehicle is found by the Inspecting Officer to be in compliance with the provisions of the Act and rules and a copy shall be given to the driver of the vehicle:

Provided also that the next fitness certificate is obtained from the inspecting officer or an authorized testing station in the State/ Union Territory of the registering authority where the vehicle is registered.]

Explanation.- Inspecting Officer means an Officer [appointed by a State Government] under section 213 of the Act.

[Provided further that no fitness certification shall be required at the time of registration for new transport vehicle sold as fully built vehicle and such vehicle shall be deemed to be having certificate of fitness for a period of two years from the date of registration.]

(2) The fee for the grant or renewal of a certificate of fitness shall be as specified in Rule 81.

(3) [The fee for testing of a vehicle when tested by an Inspecting Officer or authorised testing station, other than the Inspecting Officer in the Office of the registering authority, shall be specified in Rule 81.]

(4) [The application for renewal of certificate of fitness may be made not more than sixty days before the date of expiry of the certificate of fitness.]

(5) [Where the renewal of certificate of fitness is granted on a date after the expiry of the certificate of fitness, the renewal shall be effective from the date of grant of the certificate of fitness:]

Provided that where the renewal of certificate of fitness is granted on a date before the expiry of a certificate of fitness, the renewal shall be effective from the date of expiry of certificate of fitness.]

► **OMITTED RULE:**

1. Renewal of certificate of fitness in respect of transport vehicles : Clause (b) sub. by GSR 663 (E) dt. 12/09/2023 (w.e.f. 12/09/2023), which was earlier sub. by GSR 272 (E) dt. 05/04/22 & 1081(E), dt. 02/11/2018. [Download GSR 663(E)]; [Download GSR 272(E)]
2. 01st April 2025: : Substituted for "1st October 2024 by GSR 709(E), dt. 14/11/2024 (w.e.f. 14/11/2024) [Download GSR 709(E)]
3. Renewal of certificate of fitness in respect of E-rickshaw and E-cart : Inserted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014). [Download GSR 709(E)]
4. . : Inserted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014). [Download GSR 709(E)]
5. [x x x x] : Substituted by GSR 1081(E), dt. 02/11/2018 (w.e.f. 02/11/2018). [Download GSR 1081(E)]
6. [x x x x] : Substituted by GSR 1081(E), dt. 02/11/2018 (w.e.f. 02/11/2018). [Download GSR 1081(E)]
7. Provided that the renewal of a fitness certificate shall be made only after an Inspecting Officer or authorised testing stations as referred to in sub-section (1) of section 56 of the Act] has carried the tests specified in the Table given below, namely:— : Added by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)]
8. TABLE : Substituted by GSR 345(E), dt. 19/05/2014 (w.e.f. 19/05/2014). [Download GSR 345(E)]
9. Rear-view mirror or device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]
10. Fastag : Substituted by GSR 1081(E), dt. 02/11/2018 (w.e.f. 02/11/2018). [Download GSR 1081(E)]
11. [Priority Seats, Signs, securing of crutches/canes/walkers, hand rail/stanchions, controls at priority seats and wheel chair entry/housing/locking arrangement for wheel

chair for Differently Abled Passengers or Passengers with reduced mobility. : Inserted by GSR 523(E) Dtd. 24/07/2019 w.e.f 24/07/2019. [Download GSR 523(E)]

12. [Wheel chair entry/housing/ locking arrangement for wheel chair for differently abled passengers and passengers with reduced mobility : Inserted by GSR 523(E) Dtd. 24/07/2019 w.e.f 24/07/2019. [Download GSR 523(E)]

13. [Provided further that in case of E-rickshaw and E-cart, the renewal of fitness certificate shall be made only after carrying out test specified in the Table given below:-] : Inserted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014). [Download GSR 709(E)]

14. TABLE : Substituted by GSR 807(E) Dtd. 23/10/2019 (w.e.f 01/04/2020)

15. Maximum Speed : Inserted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014). [Download GSR 709(E)]

16. Reflectors : Inserted by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014). [Download GSR 709(E)]

17. [Provided also that if the tests specified in the Table under the first proviso are conducted by an Inspecting Officer or authorized testing station in a State/ Union Territory other than the State/ Union Territory where the vehicle is registered, the Inspecting Officer who conducted the tests shall, on the same day or on the following working day, upload his inspection report in Form 38A at the portal <http://parivahan.gov.in/vahan> and also send the inspection report signed under his hand and seal to the registering authority by speed post for issue of certificate of fitness by the registering authority within fifteen days from the date of the inspection report, if the vehicle is found by the Inspecting Officer to be in compliance with the provisions of the Act and rules and a copy shall be given to the driver of the vehicle: : Inserted by GSR 1096(E) Dtd. 28/11/2016 (w.e.f 28/11/2016). [Download GSR 1096(E)]

18. : Inserted by GSR 1096(E) Dtd. 28/11/2016 (w.e.f 28/11/2016). [Download GSR 1096(E)]

19. Provided also that the next fitness certificate is obtained from the inspecting officer or an authorized testing station in the State/ Union Territory of the registering authority where the vehicle is registered.] : Inserted by GSR 1096(E) Dtd. 28/11/2016 (w.e.f 28/11/2016). [Download GSR 1096(E)]

20. [appointed by a State Government] : Substituted by GSR 1096(E) Dtd. 28/11/2016 for the words "appointed by the State Government" (w.e.f 28/11/2016). [Download GSR 1096(E)]

21. [Provided further that no fitness certification shall be required at the time of

registration for new transport vehicle sold as fully built vehicle and such vehicle shall be deemed to be having certificate of fitness for a period of two years from the date of registration.] : Inserted by GSR 1081(E), dt. 02/11/2018 (w.e.f. 02/11/2018). [Download GSR 1081(E)]

22. [The fee for testing of a vehicle when tested by an Inspecting Officer or authorised testing station, other than the Inspecting Officer in the Office of the registering authority, shall be specified in Rule 81.] : Inserted by GSR 1096(E) Dtd. 28/11/2016 (w.e.f. 28/11/2016). [Download GSR 1096(E)]

23. [The application for renewal of certificate of fitness may be made not more than : Sub Rule (4) & (5) Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

24. sixty days before the date of expiry of the certificate of fitness. : Sub Rule (4) & (5) Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

25. [Where the renewal of certificate of fitness is granted on a date after the expiry of the certificate : Sub Rule (4) & (5) Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

26. date of fitness, the renewal shall be effective from the date of grant of the certificate of fitness: : Sub Rule (4) & (5) Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

27. : Sub Rule (4) & (5) Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

28. Provided that where the renewal of certificate of fitness is granted on a date before the expiry of a certificate of fitness, the renewal shall be effective from the date of expiry of certificate of fitness.] : Sub Rule (4) & (5) Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 63 ~ Regulation and control of authorised testing stations.

(1) No operator of an authorised testing station shall issue or renew a certificate of fitness to a transport vehicle under section 56 without a letter of authority in Form 39 granted by the registering authority.

(2) An application for grant or renewal of a letter of authority under sub-rule (1) shall be made in Form 40 to the registering authority having jurisdiction in the area in which the service station or garage is situated and shall be accompanied by,—

- a. the appropriate fee as specified in rule 81;
- b. a security deposit of [\[rupees one lakh\]](#) in such manner as may be specified by the State Government.

Explanation —For the purpose of this rule and rules 64 to 72, the registering authority means an officer not below the rank of the regional transport officer of the Motor Vehicles Department established under section 213.

(3) A registering authority shall, when considering an application for the grant or renewal of a letter of authority, have regard to the following matters, namely:—

- a. the applicant or at least one of the members of the staff employed by him for the inspection of transport vehicles for the purpose of issue or renewal of certificate of fitness possesses the following minimum qualifications:—
 - (i) a [\[three years\]](#) diploma in automobile engineering or mechanical engineering or an equivalent qualification;
 - (ii) experience of minimum service of five years in an automobile workshop undertaking repairs of heavy goods vehicles, heavy passenger motor vehicles, medium motor vehicles and light motor vehicles;
 - (iii) a driving licence to drive motor cycle, heavy passenger motor vehicle and heavy goods vehicle with a minimum driving experience of not less than five years;
 - (iv) thorough knowledge of the Act and the rules made thereunder, especially the Chapters relating to registration of motor vehicles and construction, equipment and maintenance of motor vehicles;
- b. the premises where the authorised testing station is to be housed is either owned by the applicant or is taken on lease by him or is hired in his name and it has [\[minimum of one acre of land\]](#) for administrative section, reception room and [\[sanitary block and space for erection\]](#) of testing equipment's and other apparatus;
- c. inspection lanes are provided adjacent to the building in the same compound or at other places approved by the registering authority;
- d. testing equipment's and apparatus are installed in such manner that vehicles may pass through with ease and speed;

- e. [\[the applicant maintains in good condition, the equipment and apparatus for undertaking test pertaining to \[exhaust gas, engine tuning, engine analysis\], smoke emission, brake system, head-lights, wheel alignments, compressors, speedometers and other like components;\]](#)
- f. the financial resources of the applicant are sufficient to provide for its continued maintenance;
- g. the applicant maintains an up-to-date copy of the Act, these Rules and the concerned State Motor Vehicles Rules.

(4) The registering authority shall also, when considering an application under this rule, take into consideration the fact that the setting up of the authorised testing station will improve the availability of testing facilities in the area both in relation to the number of vehicles and proximity to such facilities.

(5) The registering authority may, on receipt of an application under sub-rule (2) and after satisfying himself that the applicant has complied with the requirements of sub- rules (3) and (4), grant or renew the letter of authority in Form 39:

(6) [Notwithstanding anything contained in this rule, the recognition, regulation and control of automated testing station, for the purposes of section 56 of the Act, shall be as per Chapter XI of these rules.](#)

Provided that no application for a letter of authority shall be refused by the registering authority unless the applicant is given an opportunity of being heard and reasons for such refusal are given in writing by the registering authority.

1. [rupees one lakh] : Substituted by GSR 338(E) Dtd. 26/03/1993 for the words "rupees ten thousand" (w.e.f 26/03/1993) [Download GSR 338(E)]
2. [three years] : Substituted by GSR 338(E) Dtd. 26/03/1993 (w.e.f 26/03/1993) [Download GSR 338(E)]
3. [minimum of one acre of land] : Substituted by GSR 338(E) Dtd. 26/03/1993 (w.e.f 26/03/1993) [Download GSR 338(E)]
4. [sanitary block and space for erection] : Substituted by GSR 338(E) Dtd. 26/03/1993 (w.e.f 26/03/1993) [Download GSR 338(E)]
5. [the applicant maintains in good condition, the equipment and apparatus for undertaking test pertaining to [exhaust gas, engine tuning, engine analysis], smoke

emission, brake system, head-lights, wheel alignments, compressors, speedometers and other like components;] : Clause (e) substituted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)] and again substituted by GSR 214(E), dt. 18/03/1999 (w.e.f. 18/03/1999)

6. Notwithstanding anything contained in this rule, the recognition, regulation and control of automated testing station, for the purposes of section 56 of the Act, shall be as per Chapter XI of these rules. : Sub-Rule (6) inserted by GSR 652(E), dt. 23/09/2021 (w.e.f. 25/09/2021). [Download GSR 652(E)]

Rule 64 ~ Duration of letter of authority.

A letter of authority granted or renewed shall be effective for a period of five years from the date of grant or renewal.

Rule 65 ~ General conditions to be observed by the holder of letter of authority.

The holder of a letter of authority shall—

- (a) maintain a register with a separate page for each vehicle containing the registration number of the vehicle for which the certificate of fitness is granted or renewed, the make and model of the vehicle, the engine number and the chassis number of the vehicle along with the pencil print of the chassis number, the name and address of the owner of the vehicle, particulars of any permit of such vehicle, period of validity of certificate of fitness granted or renewed and the signature of the owner of the vehicle or his authorized representative;
- (b) forward the particulars of the transport vehicles for which certificates of fitness have been granted or renewed and the period of validity of such certificate, within two days of grant or renewal of the certificate of fitness, to the authority which has granted the permit and where the transport vehicle is not covered by a permit, to the transport authority in whose jurisdiction the vehicle is kept;
- (c) issue to every transport vehicle satisfying the requirements of section 56, a certificate of fitness in accordance with the provisions of rule 62;
- (d) not shift the place of business mentioned in the letter of authority without the prior approval in writing of the registering authority which granted the letter of authority;

(e) keep the premises of the testing station and the records and registers maintained by it and all the machinery, equipment and apparatus in the premises at all reasonable time open for inspection by the registering authority or any person of the Motor Vehicles Department of the State Government established under section 213 authorised in this behalf by the registering authority;

(f) display at a prominent place in its main office the following:—

i. the letter of authority in original issued to the authorised testing station by the registering authority;

ii. the name and address of the person authorised to issue or renew the certificate of fitness;

iii. the qualifications of the persons referred to in clause (a) of sub-rule (3) of Rule 63;

(g) not charge a fee for inspection of a vehicle for the purpose of issue or renewal of the appropriate certificate of fitness in excess of the fee specified in rule 81;

(h) surrender to the Regional Transport Authority having jurisdiction over the area, the register referred to in clause (a) as soon as entries in all the pages in the register are completed and in any case not later than two days after such completion.

Rule 66 ~ Issue of duplicate letter of authority.

(1) If at any time the letter of authority granted or renewed under sub-rule (5) of rule 63 is lost or destroyed, the holder of the letter of authority shall report to the police station in the jurisdiction of which the loss or destruction has occurred and intimate the fact in writing to the registering authority which granted or renewed the letter of authority and shall apply for a duplicate.

(2) On receipt of an application alongwith the appropriate fee as specified in rule 81, the registering authority may issue a duplicate letter of authority clearly marked "Duplicate".

(3) If after the issue of a duplicate letter of authority, the original is traced, the same shall be surrendered forthwith to the registering authority by which it was issued.

Rule 67 ~ Supervision of authorised testing stations.

The registering authority or any officer of the Motor Vehicles Department of the State Government duly authorised in this behalf by the registering authority may, at any time, conduct test checks at the premises of the authorised testing station with a view to ensure that the vehicles are properly tested by the authorised testing station.

Rule 68 ~ Power of registering authority or Regional Transport Authority to call for information.

The authorised testing station shall submit to the registering authority or the Regional Transport Authority having jurisdiction in the area, such information or returns as may be called for by such authority from time to time.

Rule 69 ~ Power of registering authority to suspend or cancel the letter of authority or forfeit security deposit.

(1) If the registering authority is satisfied after giving the holder of a letter of authority an opportunity of being heard, that he has—

- a. failed to maintain the equipment, machinery and apparatus referred to in sub-clause (e) of sub-rule (3) of rule 63 in good condition; or
- b. failed to comply with the other requirements laid down in sub-rule (3) of rule 63; or
- c. failed to observe correct standards of testing before granting or renewing certificates of fitness as noticed at the time of test-checking referred to in rule 67 or the frequency of accidents involving transport vehicles covered by certificates of fitness granted or renewed by the authorised testing station attributable to any mechanical defect of the vehicle,

it may —

- i. suspend the letter of authority for a specified period; or
- ii. cancel the letter of authority; or
- iii. order forfeiture of the security deposit furnished by the authorised testing station.

(2) Where the letter of authority is suspended or cancelled under sub-rule (1), the holder of the letter of authority shall surrender the same to the registering authority forthwith.

(3) Where the security deposit is forfeited under sub-rule (1), the holder of the letter within thirty days of the receipt of the order of forfeiture, remit to the registering authority the amount ordered to be forfeited so that the requirement of sub-rule (2) of rule 63 in relation to deposit of security is complied with.

Rule 70 ~ Appeal.

Any person aggrieved by an order of the registering authority under sub-rule (5) of rule 63 or sub-rule (1) of rule 69, may, within thirty days of the receipt of the order, appeal to the Head of the Motor Vehicles Department of the State Government established under section 213.

Rule 71 ~ Procedure for appeal.

(1) An appeal under rule 70 shall be preferred in duplicate in the form of a memorandum, setting forth the grounds of objections to the order of the registering authority and shall be accompanied by the appropriate fee as specified in rule 81 and a certified copy of such order.

(2) The appellate authority may, after giving an opportunity to the parties to be heard and after such enquiry as it may deem necessary, pass appropriate orders.

Rule 72 ~ Voluntary surrender of letter of authority.

(1) The holder of a letter of authority may, at any time, surrender the letter of authority issued to him, to the registering authority which has granted the letter of authority and on such surrender, the registering authority shall cancel the letter of authority forthwith.

(2) On cancellation of the letter of authority under sub-rule (1), the registering authority shall refund to the holder of the letter of authority, the amount of security deposit referred to in sub-rule (2) of rule 63 in full and without any interest.

Rule 73 ~ Tax clearance certificate to be submitted to the testing station.

No authorized testing station shall accept an application for the grant or renewal of a certificate of fitness unless the same is accompanied by a tax clearance certificate in such form as may be specified by the State Government, from the Regional Transport Officer or motor vehicle inspector having jurisdiction in the area to the effect that the vehicle is not in arrears of motor vehicle tax or any compounding fee referred to in sub-sections (5) and (6) of section 86.

Rule 74 ~ Assignment of registration marks to the vehicles belonging to the Central Government used for defence purposes.

The authority referred to in sub-section (1) of section 60 shall assign registration marks to the vehicles belonging to the Central Government and used for defence purposes in the following manner, namely:—

A group of figures followed by a single capital letter, a broad arrow, not more than six figures and a capital letter or a group of letters. The registration mark shall be in English letters and Arabic numerals.

Rule 75 ~ National Register of Motor Vehicles.

(1) [The Central Government shall notify and maintain a Portal for National Register of Motor Vehicles, which shall be a repository of electronic records containing all particulars pertaining of motor vehicles registered in each State in Form 24.]

(2) Data on such Portal shall be retained, stored and preserved in a machine readable electronic, printable, shareable form as may be notified by the Central Government.

(3) those states which have not transmitted all information including contained data in the State Register of Motor Vehicles to the Central Government, shall electronically transmit all information including contained data in the State Register of Certificate of Registration in Form 24 to the Central Government within six months from the date of publication of this notification for collating electronic records on the Portal for National Register of Motor Vehicles.]

► OLD RULE:

1. [The Central Government shall notify and maintain a Portal : Rule 75 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. for National Register of Motor Vehicles, which shall be a repository of electronic records containing all particulars pertaining of motor vehicles registered in each State in Form 24. : Rule 75 substituted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).

[Download GSR 240(E)]

3. [State Government shall, if so desired by the Central Government] : Substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001)

Rule 75A ~ Access and Updation of the National Register of Motor Vehicles by Registering Authorities.

(1) [The Portal for National Register of Motor Vehicles shall be used by Registering Authorities or such authorised officers designated by the State Government in each State to,-

- i. access electronic records available on the Portal for National Register of Motor Vehicles;
- ii. electronically update any particulars pertaining to motor vehicles, in real time, in accordance with the provisions of the Act and these rules;
- iii. create a new electronic record in real time, in respect of any motor vehicle, registered by the registering authority.;

(2) The Portal for National Register of Motor Vehicles shall, at all times, display the date and time of the creation of or last updation made to any electronic record contained in the Portal for National Register of Motor Vehicles, by any registering authority.

(3) In order to access the Portal for National Register of Motor Vehicles for the purposes of sub-rule (1), any registering authority or such authorised officers designated by the State Government shall require valid login credentials.

(4) The Central Government may specify the manner of authentication of every electronic record created or updated by any registering authority on the Portal for National Register of Motor Vehicles.]

1. [The Portal : Rule 75A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).

[Download GSR 240(E)]

2. for National Register of Motor Vehicles shall be used by Registering Authorities or such authorised officers designated by the State Government in each State to,- : Rule 75A inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 75B ~ Duty of registering authorities to Update National Register of Motor Vehicles.

[Every registering authority shall be responsible for, -electronically updating any change in particulars pertaining to registration of motorvehicles on the Portal for National Register of Motor vehicles immediately, in real time;(i)creating a new electronic record in real time, in respect of any motor vehicle registered by the registeringauthority.]

1. [Every registering authority : Rule 75B inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).[Download GSR 240(E)]
2. shall be responsible for, -electronically updating any change in particulars pertaining to registration of motorvehicles on the Portal for National Register of Motor vehicles immediately, in real time;(i)creating a new electronic record in real time, in respect of any motor vehicle registered by the registeringauthority.] : Rule 75B inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021).[Download GSR 240(E)]

Rule 75C ~ Access to National Register of Motor Vehicles.

[Electronic records preserved and retained in the Portal for National Register of Motor Vehicles may be accessed by such agencies or organisations as the Central Government may specify.]

1. [Electronic records preserved and retained in the Portal for : Rule 75C inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. National Register of Motor Vehicles may be accessed by such agencies or organisations as the Central Government may specify.] : Rule 75C inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 76 ~ Registration of vehicles of diplomatic and consular officers.

(1) Every application for registration of a motor vehicle under sub-section (1) of section 42 by or on behalf of any diplomatic officer or consular officer shall be made in triplicate by the head of the mission or consular officer in Form 42 and be addressed to the registering authority through the Competent Authority accompanied by the relevant documents and fees referred to in rule 47.

(2) The Competent Authority shall forward one copy of the application to the registering authority concerned together with a statement certifying the status of the person applying for registration and shall return one copy of the application to the applicant. The third copy of the application may be retained by the Competent Authority for record.

(3) The registering authority shall, on receipt of the application duly endorsed under sub- rule (2) register the vehicle, subject to the provision of section 44.

(4) The registering authority shall issue to the owner of a motor vehicle registered by it under sub-rule (3), a certificate of registration in Form 43 and shall enter in a register to be kept by it, particulars of such certificate.

(5) The registering authority shall assign to the motor vehicle for display thereon in the manner specified in rule 77, the registration mark in accordance with sub-rule (6) or sub- rule (7), as the case may be.

(6) [A motor vehicle belonging to a diplomatic mission in Delhi or to any of its diplomatic officer shall be assigned a registration mark consisting of the letters "CD" preceded by the number allotted to the mission by the Ministry of External Affairs of the Government of India and followed by a number allotted to the vehicle by the registering authority in the following manner, namely:—]

- i. an official vehicle meant for the use of the head of a mission shall be allotted the number "1";
- ii. personal vehicles of the head of the mission shall be allotted the number "1", followed consecutively, in alphabetical order, by a letter beginning with the letter "A";
- iii. official vehicles, other than those referred to in clause (i), shall be allotted consecutive numbers beginning with the number "2";
- iv. vehicles belonging to other officers of the mission shall be allotted numbers in consecutive order after the last number allotted under clause (iii);
- v. vehicles acquired by a mission or by its diplomatic officer other than heads of missions, shall be allotted numbers in consecutive order after the last number allotted under clause (iv) irrespective of whether such vehicle is for official or personal use of the mission or any of its officers;

vi. a number allotted to a vehicle under any of the clauses (i) to (iv), which is lying unutilised due to sale or export of such vehicle or cancellation of its number may be allotted to another vehicle under the same clause in respect of which an application has been made under sub-rule (1).]

(7) A motor vehicle belonging to a consular post [\[headed by a Carrier Counsellor Officer\]](#) or to any of its officers shall be assigned a registration mark consisting of the letters "CC" preceded by the number of the post allotted to it by the Ministry of External Affairs of the Government of India and followed by a number allotted to the vehicle by the registering authority out of a block of numbers allotted for that post in the following manner, namely:—

- i. an official vehicle meant for the use of the head of a consular post shall be allotted the first number from the block of numbers allotted to that post;
- ii. personal vehicles of the Consul-General shall be allotted the number referred to in clause (i), followed consecutively in alphabetical order, by a letter beginning with the letter "A";
- iii. official vehicles other than those referred to in clause (i'), shall be allotted consecutive numbers beginning with the second number from the block of numbers allotted to the post;
- iv. vehicles belonging to other officers of the post shall be allotted numbers in consecutive order after the last number allotted under clause (iii);
- v. vehicles acquired by a post, or by its consular officers, other than the head of the post shall be allotted numbers in consecutive order after the last number allotted under clause (iv) irrespective of whether such vehicle is for official or personal use of the post or any of its officers;
- vi. a number allotted to a vehicle under any of the clauses (i) to (v) which is lying unutilised due to sale or export of such vehicle or cancellation of its number, may be allotted to another vehicle under the same clause in respect of which an application has been made under sub-rule (i).

Explanation - [For the purposes of this rule and rules 77, 78 and 79, "competent authority" means:—](#)

- i. in relation to a diplomatic officer or a consular officer who has his residence in Delhi, the Chief of Protocol to the Government of India in the Ministry of External Affairs; and
- ii. in relation to a diplomatic officer or a consular officer who has his residence at any other place, the Secretary (Transport) to the State Government.]

(8) Consular posts headed by Honorary Consular Officers shall use standard size number plates bearing ordinary registration number provided by the concerned registration authorities.

[x x x x]

1. [A motor vehicle belonging to a diplomatic mission in Delhi or to any of its diplomatic officer shall be assigned a registration mark consisting of the letters "CD" preceded by the number allotted to the mission by the Ministry of External Affairs of the Government of India and followed by a number allotted to the vehicle by the registering authority in the following manner, namely:—] : Substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)]
2. [headed by a Carrier Counsellor Officer] : Substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)]
3. Explanation - For the purposes of this rule and rules 77, 78 and 79, "competent authority" means:— : Substituted by GSR 129(E), dt. 16/02/2000 (w.e.f. 16/02/2000) [Download GSR 129(E)]
4. : Substituted by GSR 129(E), dt. 16/02/2000 (w.e.f. 16/02/2000) [Download GSR 129(E)]
5. in relation to a diplomatic officer or a consular officer who has his residence in Delhi, the Chief of Protocol to the Government of India in the Ministry of External Affairs; and : Substituted by GSR 129(E), dt. 16/02/2000 (w.e.f. 16/02/2000) [Download GSR 129(E)]
6. : Substituted by GSR 129(E), dt. 16/02/2000 (w.e.f. 16/02/2000) [Download GSR 129(E)]
7. in relation to a diplomatic officer or a consular officer who has his residence at any other place, the Secretary (Transport) to the State Government.] : Substituted by GSR 129(E), dt. 16/02/2000 (w.e.f. 16/02/2000) [Download GSR 129(E)]
8. [x x x x] : Certain words omitted by GSR 682(E), dt. 29/10/2020 (w.e.f. 29/10/2020). [Download GSR 682(E)]

Rule 76A ~ Application of rules 76 to 80 to organisations notified under the United Nations (Privileges and Immunities) Act, 1947.

[The provisions of rules 76 and 77 to 80 shall apply to the motor vehicles of diplomatic officers of the organisations notified under the United Nations (Privileges and Immunities) Act, 1947 (46 of 1947) as they apply to a diplomatic officer or consular officer with the modification that in Rule 76,—]

- a. [in sub-rule (6), for the letters "CD", the letters "UN" in case of United Nations Organizations and its agencies and the letters "IOD" in case of International Organization and other agencies shall be substituted; and]
- b. in sub-rule (7), for the letters "CC", the letters "UN" shall be substituted in case of United Nations Organization and its agencies and the letters "IOC" in case of International Organization and other agencies shall be substituted]

1. [The provisions of rules 76 and 77 to 80 shall apply to the motor vehicles of diplomatic officers of the organisations notified under the United Nations (Privileges and Immunities) Act, 1947 (46 of 1947) as they apply to a diplomatic officer or consular officer with the modification that in Rule 76,— : Inserted by GSR 644(E), dt. 25/09/1995 [Download GSR 644(E)]
2. [: Inserted by GSR 644(E), dt. 25/09/1995 [Download GSR 644(E)]
3. [in sub-rule (6), for the letters "CD", the letters "UN" in case of United Nations Organizations and its agencies and the letters "IOD" in case of International Organization and other agencies shall be substituted; and[: Clause (a) & (b) substituted by GSR 682(E) dt. 29/10/2020 (w.e.f. 29/10/2020). [Download GSR 682(E)]

Rule 76B ~ Registration of vehicles of home-based non-diplomatic officials of diplomatic missions or consular posts.

(1) A motor vehicle belonging to a non-diplomatic official of a diplomatic mission or a consular post in Delhi shall be assigned a registration mark consisting of letters 'CDP' preceded by the number allotted to the mission or post by the Ministry of External Affairs of the Government of India and followed by a number allotted to the vehicle by the registering authority.

(2) A motor vehicle belonging to a home-based non-diplomatic official of a consular post outside Delhi shall be assigned a registration mark consisting of the letters 'CCP' preceded by the number of the post allotted to it by the Ministry of External Affairs of the Government of India and followed by the number allotted to the vehicle by the registering authority.]

1. A motor vehicle belonging to a non- diplomatic official of a diplomatic mission or a consular post in Delhi shall be assigned a registration mark consisting of letters 'CDP' preceded by the number allotted to the mission or post by the Ministry of External Affairs of the Government of India and followed by a number allotted to the vehicle by the registering authority. : Inserted by GSR 395(E), dt. 16/07/1997 (w.e.f. 16/07/1997)

[Download GSR 395(E)]

2. : Inserted by GSR 395(E), dt. 16/07/1997 (w.e.f. 16/07/1997) [Download GSR 395(E)]

3. (2) A motor vehicle belonging to a home-based non-diplomatic official of a consular post outside Delhi shall be assigned a registration mark consisting of the letters 'CCP' preceded by the number of the post allotted to it by the Ministry of External Affairs of the Government of India and followed by the number allotted to the vehicle by the registering authority.] : Inserted by GSR 395(E), dt. 16/07/1997 (w.e.f. 16/07/1997) [Download GSR 395(E)]

Rule 77 ~ Exhibition of registration mark.

(1) The registration mark assigned under sub-rules to (7) of rule 76 shall be clearly exhibited in reflecting colour both at the front and rear of the vehicle on the plain surface of a plate or part of the vehicle and the size of which shall be 41 centimetres by 14 centimetres—

- i. with deep blue background, the registration mark and the number being in white in the case of motor vehicles referred to in sub-rule (6) of rule 76;
- ii. with [with deep blue background, the registration mark and the number being in yellow,] in the case of motor vehicles referred to in sub-rule (7) of rule 76;
- iii. [with light green background, the registration mark and the number being in white in case of motor vehicles referred to in rule 76-B.]

(2) The registration mark shall be in English letters and Arabic numerals and—

- i. save in the case of a motor cycle or an invalid carriage, the letters shall be not less than 6 centimetres high and 2 centimetres thick at any part, the numerals shall be not less

than 9 centimetres high and 2 centimetres thick at any part, and there shall be a space between any letter and any numeral and between any letter or any numeral and the edge of the plain surface of not less than 1 centimetre and a space between any two letters and between any two numerals of not less than 1 centimetre; and

- ii. in the case of a motor cycle or an invalid carriage, the dimensions of the letters and figures shall not be less than two-thirds of those specified in clause (i).

(3) The plain surface referred to in sub-rule (2) shall not be inclined from the vertical by more than thirty degrees. The letters and numerals shall be exhibited as follows:—

- i. in the case of a transport vehicle, the registration mark shall be exhibited in two separate horizontal lines, the number allotted to the mission or post and the letters forming the first line followed by the number allotted by the registering authority in the second line; and
- ii. in all other cases, the registration mark may exhibit the letters and numerals either in two horizontal lines as aforesaid or in one horizontal line.

(4) Notwithstanding anything contained in sub-rule (1), the registration mark exhibited at the front of a motor cycle or an invalid carriage may be displayed on a plate in line with the axis of the vehicle and shall, in such a case, be displayed on both sides of the plate.

(5) In the case of a trailer—

- i. the registration mark shall be exhibited on a plate or surface on the left hand side of the trailer, the dimensions of the letters and figures being not less than two-thirds of the dimensions specified in sub-rule (2);
- ii. the registration mark of the drawing motor vehicle to be affixed to the rear of the trailer shall be in conformity with the provisions of these rules relating to the registration mark affixed to the rear of the motor vehicle.

(6) The registration mark shall also be painted on the right and left side of the body of a transport vehicle.

1. [with deep blue background, the registration mark and the number being in yellow,] :
Substituted by GSR 633(E) Dtd. 23/06/2017 for the words "yellow background, the registration mark and the number being in black" (w.e.f 24/07/2019). [Download GSR

633(E)]

2. [with light green background, the registration mark and the number being in white in case of motor vehicles referred to in rule 76-B.] : Inserted by GSR 395(E), dt. 16/07/1997 (w.e.f. 16/07/1997) [Download GSR 395(E)]

Rule 78 ~ Assignment of new registration mark on removal of vehicle to another State.

(1) Every application for assignment of new registration mark on removal to another State under sub-section (1) of section 47 by or on behalf of a diplomatic officer or consular officer shall be made in triplicate in Form 44 and shall be addressed to the registering authority through the competent authority accompanied by the relevant documents and fees referred to in rule 54.

(2) The provisions of sub-rules (2) to (7) of rule 76 shall apply to an application made under sub-rule (1) as they apply to an application made under sub-rule (1) of rule 76.

Rule 79 ~ Suspension and cancellation of registration of vehicle registered under rule 76.

If, under the provisions of section 53, section 54 or section 55, the registration of a motor vehicle made in accordance with rule 76 is suspended or cancelled, then a copy of the order of suspension or cancellation shall be sent to the competent authority in addition to each of the authorities or persons to whom a copy has to be sent under the said sections.

Rule 80 ~ Transfer or disposal of motor vehicle registered under rule 76.

(1) Where a motor vehicle registered in accordance with rule 76 is transferred by way of sale or otherwise, the transferor shall, within fourteen days, report the fact of the transfer along with the full name and address of the person to whom the vehicle is transferred to the registering authority within whose jurisdiction the transfer is effected and shall simultaneously send copies of the said report to:—

- a. the transferee;
- b. the competent authority;

c. the Collector of Customs of the port of importation of the vehicle and where it is not possible to locate the port of importation, to the Collector of Central Excise and Customs nearest to the headquarters of the transferee; and

d. the original registering authority in whose records the registration of the vehicle is recorded, if the transfer is effected in the jurisdiction of another registering authority;

and shall also surrender the number plate in respect of the vehicle to the registering authority in whose records the registration of the vehicle is recorded, when the transfer is to a person other than a diplomatic officer or a consular officer.

(2) Where the transferee is a diplomatic officer or a consular officer, an application by him or on his behalf shall be made to the registering authority for registration of the vehicle in accordance with the provision of rule 76.

Rule 81 ~ Fees.

The fee which shall be charged under the provisions of this Chapter shall be as specified in the table below:

Provided that the States may levy [fee lower than the amount specified in the table and may also levy] additional amounts to cover the cost of automation and technology utilized for conducting the testing or providing value added services.

Provided further that, for the Battery Operated Vehicles as defined in clause (u) of rule 2, the items given at Serial number 4 of the below mentioned Table shall be exempted from the payment of fees for the purpose of issue or renewal of registration certificate and assignment of new registration mark.

Provided further that, in case the vehicle is registered on submission of "Certificate of Deposit", the fee for issue of certificate of registration shall not be levied.

TABLE

SL No.	Purpose	Amount	Rule	Secti
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(1)	(2)	(3)	(4)	(5)
1	Grant or renewal of trade Certificate in respect of each trade registration mark or additional grant of each trade registration mark:		34(1) 35A(1)	—
	(a) Motorcycle	Two Thousand Five hundred rupees		
	(b) Adapted vehicle	Five hundred rupees		
	(c) Others	Five thousand rupees		
1A	Grant or renewal of authorisation certificate	Twenty Five thousand rupees	55A(2)	
2	Intimation for change of address of place of business in trade certificate	One thousand rupees	35B(1)	
3	Appeal under rule 46	One thousand rupees	46(1)	—
3A	Appeal Under rule 55G	One thousand rupees	55H	
4.	Issue of certificates of registration or assignment of new registration mark :-			
	(a) Invalid carriage	Fifty rupees	47(1) 52(1)	
	(b) Motor cycle	Three hundred rupees	54(1) 76(1)	
	(c) Three wheeler/Quadricycle	Six hundred rupees	78(1)	
	(d) Light motor vehicle	Six hundred rupees		
	(e) Medium Goods/ Passenger vehicle.	One thousand rupees		

	(f) Heavy Goods/ Passenger vehicle.	One thousand five hundred rupees		
	(g) Imported motor vehicle (Two/Three wheeled).-	Two thousand five hundred rupees		
	(h) Imported motor vehicle (Four or more wheeled).-	Five thousand rupees		
	(i) Any other vehicle not mentioned above	Three thousand rupees		
Note 1: Additional fee of two hundred rupees shall be levied if the certificate of registration is a smart card type issued or renewed in Form 23A.				
4A	Issue or extension of temporary certificate of registration	Half of the fee mentioned against Serial No. 4	53A	
4B	Renewal of certificate of registration:~~		52(1)	
	(a) Invalid Carriage	Fifty rupees		
	(b) Motor Cycle	One thousand rupees		
	(c) Three wheeler /Quadricycle	Two thousand five hundred rupees		
	(d) Light motor vehicle	Five thousand rupees		
	(e) Imported vehicle (Two or three wheeled)	Ten thousand rupees		
	(f) Imported vehicle (Four or more wheeled)	Fourty thousand rupees		

	(g) Any other vehicle not mentioned above	Six thousand rupees		
	<p>Note 1: Additional fee of two hundred rupees shall be levied if the certificate of registration is a smart card type issued or renewed in Form 23A.</p> <p>Note 2: In case of delay in applying for renewal of certificate of registration, an additional fee of three hundred rupees for delay of every month or part thereof in respect of motor cycles and five hundred rupees for delay of every month or part thereof in respect of other classes of motor transport vehicles shall be levied.</p>			
5	<i>Issue of duplicate certificate of registration</i>	Half of the fee mentioned in Serial No. 4	53(2)	
6	<i>Transfer of ownership</i>	Half of the fee mentioned in Serial No. 4	55(2) (iii),	
		Note: In case of delay in submission of 'No Objection Certificate', an additional fee of rupees three hundred for delay of each month or part thereof in case of motor cycles and five hundred rupees for each month of delay or part thereof for other vehicles shall be levied.	55(3), 56(2)(a) and 57(1)(a)	—
7	<i>Change of residence</i>	Half of the fee mentioned against Serial No. 4	59	
		Note: In case of delay in submission of 'No Objection Certificate', an additional fee of rupees three hundred for delay of each month or part thereof in case of motor cycles and five hundred rupees for each month of delay or part thereof for other vehicles shall be levied.		

8	Recording alteration in the certificate of registration [except for alteration made under sub-section (1A) and sub-section (2) of section 52 of the Act]	Half of the fee mentioned in Serial No. 4	—	52(
9	<i>Endorsing hire-purchase/lease/ hypothecation agreement</i>		60	—
	(a) Motorcycle	Five hundred rupees		
	(b) Three wheeler/quadracycles/ light motor vehicle	One thousand rupees		
	(c) Medium or heavy vehicles	Three thousand rupees		
	Note : No separate will be levied for cancellation of lease, etc. or for issue of fresh Certificate of Registration thereafter.			
10	<i>Conducting test of a vehicle for grant or renewal of certificate of fitness up to 15 years old :</i>		62(2)	—
	(a) Motorcycle	Manual : Two hundred rupees		
		Automated : Four hundred rupees		
	(b) Three wheeler/quadracycles/ light motor vehicle	Manual : Four hundred rupees		
		Automated : Six hundred rupees		
	(c) Medium or heavy vehicles	Manual : Six hundred rupees		
		Automated : One thousand rupees		

10A.	<u>Conducting test of a vehicle for grant and renewal of certificate of fitness for motor vehicles older than 15 years.</u>		62(2)	
	(a) Motorcycle	Manual : Four hundred rupees		
		Automated : Five hundred rupees		
	(b) Three wheeler/quadracycles/ light motor vehicle	Manual : Eight hundred rupees		
		Automated : One thousand rupees		
	(c) Medium or heavy vehicles	Manual : Eight hundred rupees		
		Automated : One thousand three hundred rupees		
	(d) Any other type/Category of Vehicle	Manual : One thousand rupees		
		Automated : One thousand five hundred rupees		
11	Grant or renewal of certificate of fitness for motor vehicle <i>up to 15 years old</i>	Two hundred rupees Note: Additional fee of fifty rupees for each day of delay after expiry of certificate of fitness shall be levied.	62(2)	—
11A.	<u>Grant or renewal of certificate of fitness for motor vehicle vehicles older than 15 years.</u>		62(2)	--
	(a) Motor cycle	One thousand rupees		

	(b) Three wheeled or quadricycle	Three thousand five hundred rupees		
	(c) Light motor vehicle	Seven thousand five hundred rupees		
	(d) Medium good/ passenger vehicles	Ten thousand rupees		
	(e) Heavy good / passenger vehicles	Twelve thousand five hundred rupees		
	Note: Additional fee of fifty rupees for each day of delay after expiry of certificate of fitness shall be levied.			
12	<i>Grant or renewal of letter of authority</i>	Fifteen thousand rupees	63(2)(a)	—
13	<i>Issue of duplicate letter of authority</i>	Seven thousand and five hundred rupees	66(2)	—
14	<i>Appeal under rule 70</i>	Three thousand rupees	71(1)	—
15	<i>Any application not covered under entries at Serial Nos. 1 to 14 above</i>	Two hundred rupees		64(1)
16	<u>Registration and Issue of certificate of registration for Vintage Motor Vehicles</u>	Twenty Thousand	81C	-
17	<u>Re-registration/ Renewal of certificate of registration for Vintage Motor Vehicles</u>	Five Thousand	81C	-

Note 1: For the removal of doubts, it is hereby declared that medium passenger motor vehicle, heavy goods vehicle, imported motor vehicle and any other vehicle not mentioned in Serial No. 4 of this Table include both transport and non-transport vehicles:

Note 2: Where the certificate of registration issued is in the form of laminated card without chip or Smart Card type driving licence, an additional fee of two hundred rupees shall be charged except in the case of issue of fresh certificate of registration after cancellation of hire purchase or lease or hypothecation agreement.

► **OLD RULE :**

► **OLD RULE :**

1. The fee which shall be charged under the provisions of this Chapter shall be as specified in the table below: : Substituted by GSR 1183(E), dt. 29/12/2016 (w.e.f. 29/12/2016). [Download GSR 1183(E)]
2. [fee lower than the amount specified in the table and may also levy] : Inserted by GSR 271(E) Dtd. 21/03/2017 (w.e.f 21/03/2017). [Download GSR 271(E)]
3. Provided further that, for the Battery Operated Vehicles as defined in clause (u) of rule 2, the items given at Serial number 4 of the below mentioned Table shall be exempted from the payment of fees for the purpose of issue or renewal of registration certificate and assignment of new registration mark. : Inserted by GSR 525(E) Dtd. 02/08/2021 (w.e.f. 02/08/2021). [Download GSR 525(E)]
4. Provided further that, in case the vehicle is registered on submission of "Certificate of Deposit", the fee for issue of certificate of registration shall not be levied. : Inserted by GSR 714(E) Dtd. 04/10/2021 (w.e.f. 01/04/2022). [Download GSR 714(E)]
5. each trade registration mark or additional grant of each trade registration mark: : Substituted for the words "class of vehicle" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
6. Two Thousand Five hundred rupees : Substituted for the words "Five hundred rupees" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
7. Adapted vehicle : Substituted for the words "Invalid carriage" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
8. Five thousand rupees : Substituted for the words "One thousand rupees" by GSR 703(E), dt. 14/09/2022 (w.e.f. 01/11/2022). [Download GSR 703(E)]
9. Grant or renewal of authorisation certificate : Inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023). [Download GSR 901(E)]

10. Appeal Under rule 55G : Inserted by GSR 901(E), dt. 22/12/2022 (w.e.f. 01/04/2023).
[Download GSR 901(E)]
11. Issue of certificates of registration or assignment of new registration mark :- : Clause (4) sub. by GSR 901(E) dtd. 22/12/22 (w.e.f. 01/04/2023) which was earlier sub. by GSR 714(E) Dtd. 04/10/2021. [Download GSR 901(E)]
12. Issue or extension of temporary : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
13. certificate of registration : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
14. Renewal of certificate of registration:- : Clause (4B) Inserted by GSR 901(E) dtd. 22/12/22 (w.e.f. 01/04/2023). [Download GSR 901(E)]
15. ~ : Clause (4B) Inserted by GSR 901(E) dtd. 22/12/22 (w.e.f. 01/04/2023).
[Download GSR 901(E)]
16. [except for alteration made under sub : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
17. -section (1A) and sub-section (2) of section 52 of the Act] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
18. Conducting test of a vehicle for grant and renewal of certificate of fitness for motor vehicles older than 15 years. : 10A Inserted by GSR 714(E) Dtd. 04/10/2021 (w.e.f. 01/04/2022). [Download GSR 714(E)]
19. Grant or renewal of certificate of fitness for motor vehicle vehicles older than 15 years. : 11A Inserted by GSR 714(E) Dtd. 04/10/2021 (w.e.f. 01/04/2022). [Download GSR 714(E)]
20. Registration and Issue of certificate of registration for Vintage Motor Vehicles : Serial No. 16 & 17 inserted by GSR 492(E), dt. 15/07/2021 (w.e.f. 15/07/2021). [Download GSR 492(E)]
21. Re-registration/ Renewal of certificate of registration for Vintage Motor Vehicles : Serial No. 16 & 17 inserted by GSR 492(E), dt. 15/07/2021 (w.e.f. 15/07/2021).
[Download GSR 492(E)]
22. Note 2: : Inserted by GSR 174(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 174(E)]
23. Where the certificate of registration issued is in the form of laminated card without chip or Smart Card type driving licence, an additional fee of two hundred rupees shall be charged except in the case of issue of fresh certificate of registration after cancellation of

hire purchase or lease or hypothecation agreement. : Inserted by GSR 174(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 174(E)]

24. Issue of certificates of registration or assignment of new registration mark or renewal of certificate of registration:- : 4 substituted by GSR 714(E) Dtd. 04/10/2021 (w.e.f. 01/04/2022)

25. Issue or extension of temporary : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021)

26. certificate of registration : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021)

27. [except for alteration made under sub : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021)

28. -section (1A) and sub-section (2) of section 52 of the Act] : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021)

29. Registration and Issue of certificate of registration for Vintage Motor Vehicles : Serial No. 16 & 17 inserted by GSR 492(E), dt. 15/07/2021 (w.e.f. 15/07/2021)

30. Re-registration/ Renewal of certificate of registration for Vintage Motor Vehicles : Serial No. 16 & 17 inserted by GSR 492(E), dt. 15/07/2021 (w.e.f. 15/07/2021)

Chapter IIIA ~ SPECIAL PROVISION FOR REGISTRATION OF VINTAGE MOTOR VEHICLES

Rule 82A to 82E

Rule 81A ~ Procedure of application and issuance of Certificate of Registration as a Vintage Motor Vehicle.

(1) [An application for registration or re-registration of a vintage vehicle shall be made as per Form 20 and every application for registration shall be accompanied by:-](#)

- i. a policy of insurance;
- ii. appropriate fee as specified in rule 81;
- iii. Bill of Entry in the case of imported vintage motor vehicles;and
- iv. old Registration Certificate in case of already registered vehicle in India.

Explanation. - For the purpose of this rule, —Vintage Motor Vehicle means any vehicle classified under vintage vehicle category as defined in this order for L1 and L2 categories (two-wheeler) and M1 category (four-wheeler), which is more than fifty years old from the date of first registration after first sale including any vehicle imported into India subject to the condition that such vehicle should be maintained in its original form and should not have undergone any substantial overhaul, which includes any modification in chassis or body shell or engine.

(2) The State Registering Authority shall issue to the owner of a Vintage Motor Vehicle registered by it, a certificate of registration, as per Form 23A within a period of sixty days from the receipt of such an application and shall also enter in the National register, the particulars of such certificate and changes thereof:

(3) The Registering Authority shall maintain a complete record of previous registration and ownership record and all such records shall be updated on the portal.

(4) If, at any time after the registration of a Vintage Motor Vehicle, an application shall be made to the registering authority regarding, -

i. issuance of a duplicate certificate of registration:

ii. transfer of ownership of the motor vehicle; or

iii. change of address,

such application shall be made in the manner provided under the Motor Vehicles Act, 1988 and be accompanied by such fees as prescribed under the Central Motor Vehicles Rules, 1989.

1. An application for registration or re-registration of a vintage vehicle shall be made as per Form 20 and every application for registration shall be accompanied by,- : Rule 81A inserted by GSR 492(E), dt. 15/07/2021 (w.e.f. 15/07/2021). [Download GSR 492(E)]

Rule 81B ~ Form and manner of display of registration marks on Vintage Motor Vehicles.

(1) For fresh registration of such vehicles, under section 41 of the Act, the Registering Authority shall assign to a Vintage Motor Vehicle for display thereon, a registration mark consisting of the letters "XX VA YY ****", where VA stands for Vintage, XX stands for State

code, YY will be a two letter series and "*****" is a number from 0001 to 9999 allotted by State Registering Authority.

(2) The registration mark assigned to a Vintage Motor Vehicle shall be exhibited both at the front and at the rear of the vehicle clearly and legibly in the form of a license plate in the size and specifications related to registration plate and it shall conform to the specifications spelt out in rules 50 and 51 of these rules.

(3) All those vehicles which are already registered as Vintage Motor Vehicle shall continue to retain the original registration number and registration plate intact without any change.

(4) All such Vintage Motor Vehicles shall be exempted from the provisions of High Security Registration Plate as mandated under rule 50.

1. For fresh registration of such vehicles, under section 41 of the Act, the Registering Authority shall assign to a Vintage Motor Vehicle for display thereon, a registration mark consisting of the letters "XX VA YY *****", where VA stands for Vintage, XX stands for State code, YY will be a two letter series and "*****" is a number from 0001 to 9999 allotted by State Registering Authority. : Rule 81B inserted by GSR 492(E), dt. 15/07/2021 (w.e.f. 15/07/2021). [Download GSR 492(E)]

Rule 81C ~ Validity of the certificate of registration.

The certificate of registration shall be valid for a period of ten years and shall be renewable for subsequent five years thereafter.

1. The certificate of registration shall be valid for a period of ten years and shall be renewable for subsequent five years thereafter. : Rule 81C inserted by GSR 492(E), dt. 15/07/2021 (w.e.f. 15/07/2021). [Download GSR 492(E)]

Rule 81D ~ Sale and Purchase.

(1) Sale and purchase of vehicles registered as the Vintage Motor Vehicle is permissible provided the buyer and seller inform respective State Transport Authority and registration under the new owner's name to be recorded and it shall be the joint responsibility of both buyer and seller that information in this regard shall be submitted to the authority within ninety days of sale and purchase.

1. Sale and purchase of vehicles registered as the Vintage Motor Vehicle is permissible provided the buyer and seller inform respective State Transport Authority and registration under the new owner's name to be recorded and it shall be the joint responsibility of both buyer and seller that information in this regard shall be submitted to the authority within ninety days of sale and purchase. : Rule 81D inserted by GSR 492(E), dt. 15/07/2021 (w.e.f. 15/07/2021). [Download GSR 492(E)]

Rule 81E ~ Restriction on uses.

Vintage Motor Vehicles shall not be driven or plied on the roads for regular purposes and shall not be used for any commercial purposes whatsoever.

1. Vintage Motor Vehicles shall not be driven or plied on the roads for regular purposes and shall not be used for any commercial purposes whatsoever. : Rule 81E inserted by GSR 492(E), dt. 15/07/2021 (w.e.f. 15/07/2021). [Download GSR 492(E)]

Chapter IV ~ CONTROL OF TRANSPORT VEHICLES

Rule 82 to 90

Rule 82 ~ Tourist permits.

(1) An application for the grant of permit in respect of a tourist vehicle (hereinafter referred to in these rules as a tourist permit) shall be made in Form 45 to the State Transport Authority.

(2) [x x x x]

- a. A tourist permit shall be deemed to be invalid from the date on which the motor vehicle covered by the permit completes 9 years in the case of a motor cab and 8 years where the motor vehicle is other than a motor cab, unless the motor vehicle is replaced;]
- b. Where a vehicle covered by a tourist permit is proposed to be replaced by another, the latter vehicle shall not be more than two years old on the date of such replacement.

Explanation: For the purposes of this sub-rule, the period of [9 years or 8 years] shall be computed from the date of initial registration of the motor vehicle.

1. [x x x x] : Clause (a) omitted and clause (b) renumbered as clause (a) by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]

2. [9 years or 8 years] : Substituted by GSR 338(E), dt. 26/03/1993 "for 2, 5 or 7 years" (w.e.f. 26/03/1993) [Download GSR 338(E)]

Rule 83 ~ Authorization fee.

(1) An application for the grant of authorisation for a tourist permit shall be made in Form 46 and shall be accompanied by a fee of Rs.500 per annum in the form of a bank draft.

(2) Every authorization shall be granted in Form 23-A, in case the certificate of registration is issued on Smart Card or shall be granted in Form 47, in case the authorization is in paper document mode subject to the payment of taxes or fees, if any, levied by the concerned State. The authority which grants the authorization shall issue to the permit holder separate receipts for such taxes or fees in respect of each bank draft and such receipts shall be security printed watermark paper carrying such hologram as may be specified by the concerned State/Union Territory:

Provided that the bank drafts received in respect of taxes or fees shall invariably be forwarded by the authority which grants the authorisation to the respective States:

Provided also that the use of such security printed watermark paper carrying such hologram shall come into force on or before six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2002.

(2A) [The authority which grants the authorisation shall inform the State Transport Authorities concerned the registration number of the motor vehicle, the name and address of the permit holder and the period for which the said authorisation is valid:]

[Provided that where the permit holder undertakes to pay the tax direct to the concerned State Transport Authority at the time of entry in his jurisdiction, the authorisation shall expressly state that it has been issued subject to payment of taxes to the concerned State Transport Authority.]

(3) The period of validity of an authorisation shall not exceed one year at a time. [x x x]

1. Every authorization shall be granted in Form 23-A, in case the certificate of registration is issued on Smart Card or shall be granted in Form 47, in case the authorization is in paper document mode subject to the payment of taxes or fees, if any, levied by the concerned State. The authority which grants the authorization shall issue to

the permit holder separate receipts for such taxes or fees in respect of each bank draft and such receipts shall be security printed watermark paper carrying such hologram as may be specified by the concerned State/Union Territory: : Substituted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

2. Provided that the bank drafts received in respect of taxes or fees shall invariably be forwarded by the authority which grants the authorisation to the respective States: : Substituted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

3. Provided also that the use of such security printed watermark paper carrying such hologram shall come into force on or before six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2002. : Substituted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

4. [The authority which grants the authorisation shall inform the State Transport Authorities concerned the registration number of the motor vehicle, the name and address of the permit holder and the period for which the said authorisation is valid:] : Substituted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]

5. [Provided that where the permit holder undertakes to pay the tax direct to the concerned State Transport Authority at the time of entry in his jurisdiction, the authorisation shall expressly state that it has been issued subject to payment of taxes to the concerned State Transport Authority.] : Inserted by GSR 76(E), dt. 31/01/2000 "for 2, 5 or 7 years" (w.e.f. 31/01/2000) [Download GSR 76(E)]

6. [x x x] : The words "and shall expire on the 31st day of March of the year" omitted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]

Rule 84 ~ Right of operation.

No tourist permit shall be deemed to confer the right of operation in any State not included in the authorisation referred to in rule 83 nor shall it exempt the owner of a vehicle from the payment of tax or fee, if any, leviable in any State.

Rule 85 ~ Additional conditions of tourist permit.

The following shall be the additional conditions of every tourist permit granted to a tourist vehicle other than a motor cab under sub-section (9) of section 88, namely:—

(1) The permit holder shall cause to be prepared in respect of each trip a list in triplicate of tourist passengers to be carried in the vehicle, [x x x] giving full particulars as under:—

- a. name of the passengers,
- b. address of the passengers,
- c. age of the passengers,
- d. starting point and the point of destination.

(2) One copy of the list referred to in sub-rule (1) shall be carried in the tourist vehicle and shall be produced on demand by the officers authorised to demand production of documents by or under the provisions of the Act and the Rules, and the second copy shall be preserved by the permit holder.

(3) The tourist vehicle shall either commence its journey, or end its journey, circular or otherwise, in the home State, subject to the condition that the vehicle shall not remain outside the home State for a period of more than [three months]. The permit holder shall see that every return of the tourist vehicle to the home State is reported to the authority which issued the permit:

Provided that where the contracted journey ends outside the home State, the vehicle shall not be offered for hire within that State or from that State to any other State except for the return journey to any point in the home State.

(4) The tourist vehicle may operate circular tours of places lying exclusively in the home State or in the home State and outside the State if such circular tours are in the list approved by the tourist department of the home State to visit places of tourist, historical or religious importance and the tour is duly advertised before hand:

[Provided that where such tourist vehicle is registered in the National Capital Region, it shall not operate circular tours of place lying exclusively in the National Capital Region unless it conforms to the mass emission standards 16a[(Bharat Stage-IV) specified in sub-rule(15) of rule 115.]

(5) The permit holder or his authorised agent shall issue a receipt to the hirer and the counterfoil of the same shall be kept available with him and produced on demand to the officers empowered to demand documents by or under the Act.

(6) The tourist vehicle shall not be parked on any bus stand used by stage carriage and shall not operate from such bus stand.

(7) [The tourist vehicle shall exhibit the word "Tourist" within a circle of sixty centimetres diameter in a contrast colour on both sides of the vehicle, so as to be visible clearly.]

(8) The permit holder shall display in the front of the tourist vehicle a board in yellow with letters in black with the inscription "Tourist permit valid in the State(s) of....." in English and Hindi and also, if he so prefers, in regional language of the home State.

(9) The permit holder shall not operate the tourist vehicle as a stage carriage.

(10) The permit holder shall maintain a day-to-day logbook indicating the name and address of the permit holder and the registration mark of the vehicle, name and address of the driver with the particulars of his driving licence and the starting and destination points of the journey with the time of departure and arrival and the name and address of the hirer.

(11) The permit holder shall furnish once in every 3 months the information contained in condition (10) to the State Transport Authority which granted the permit and the logbook shall be preserved for a period of 3 years and shall be made available to the said authority on demand along with the records referred to in conditions (2) and (4).

Explanation: In this rule, "home State" means the State which has granted the permit under sub-section (9) of section 88.

▼ OLD RULE:

Prior to the substitution sub rule (7) read as

(7) The tourist vehicle shall be painted in white colour with a blue ribbon of five centimetres width at the centre of the exterior of the body and the word "Tourist" shall be inserted on two sides of the vehicle within a circle of sixty centimetres diameter.

1. [x x x] : Certain words omitted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993)

[Download GSR 338(E)]

2. One copy of the list referred to in sub-rule (1) shall be carried in the tourist vehicle and shall be produced on demand by the officers authorised to demand production of documents by or under the provisions of the Act and the Rules, and the second copy

shall be preserved by the permit holder. : Substituted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]

3. [three months]. : Substituted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]

4. [Provided that where such tourist vehicle is registered in the National Capital Region, it shall not operate circular tours of place lying exclusively in the National Capital Region unless it conforms to the mass emission standards 16a[(Bharat Stage-IV) specified in sub-rule(15) of rule 115.] : Substituted by GSR 37(E), dt. 20/01/2009 (w.e.f. 20/01/2009). [Download GSR 37(E)]

5. [The tourist vehicle shall exhibit the word "Tourist" within a circle of sixty centimetres diameter in a contrast colour on both sides of the vehicle, so as to be visible clearly.] : Substituted by GSR 586(E), dt. 25/07/2012 (w.e.f. 25/07/2012). [Download GSR 586(E)]

Rule 85A ~ The following shall be the additional conditions of every tourist permit in respect of motor cabs.

(1) The words "Tourist vehicle" shall be painted on both the sides of the vehicle within a circle of twenty-five centimetres diameter.

(2) A board with the inscription "Tourist permit valid in the State(s) of"in black letters in yellow background shall be displayed in the front of the vehicle above the registration number plates:

[Provided that this rule shall not apply to motor cabs covered under the 'Rent a Cab' Scheme, 1989.]

1. [Provided that this rule shall not apply to motor cabs covered under the 'Rent a Cab' Scheme, 1989.] : Added by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]

Rule 86 ~ Application for national permit.

An application for the grant of a national permit shall be made in Form 48 to the authority referred to in section 69.

Rule 87 ~ Form, contents and duration of authorisation.

(1) An application for the grant of an authorisation for a national permit shall be made in Form 46 and shall be accompanied by a fee of [\[Rupees One thousand\]](#) per annum in the form of a bank draft.

(2) [Every authorisation shall be granted in Form 23-A, in case the certificate of registration is issued on Smart Card or shall be granted in Form 47, in case the authorisation is in paper document subject to the payment of consolidated fees of rupees sixteen thousand five hundred per annum to be deposited in the national permit account for the permit granted to operate throughout the territory of India.](#)

(2A) The consolidated fee deposited in the national permit account shall be distributed by the Central Government among the States and Union territories on pro rata basis as per the following specification, namely: -

Percentage share of n th State/Union territory	=	Total consolidated fee received by nth State/ Union territory State/Union territory in the base year
		<hr/>
		Total consolidated fee received by all the States/Union territories the base year where national permit is in operation.

Note.- The base year shall be the average of the latest three financial years and the share of the States and Union territories shall be notified by the Central Government from time to time.

Explanation: For the purpose of sub-rule (2) and sub-rule (2-A) the “National permit account” means an account established by the Central Government and notified in the Official Gazette.]

(3) The period of validity of an authorisation shall not exceed one year at a time [\[x x x x\]](#)

1. [Rupees One thousand] : Substituted by GSR 386(E), dt. 07/05/2010 for "rupees five hundred" (w.e.f.07/05/2010). [Download GSR 386(E)]
2. Every authorisation shall be granted in Form 23-A, in case the certificate of registration is issued on Smart Card or shall be granted in Form 47, in case the

authorisation is in paper document subject to the payment of consolidated fees of rupees sixteen thousand five hundred per annum to be deposited in the national permit account for the permit granted to operate throughout the territory of India. : Substituted by GSR 386(E), dt. 07/05/2010 (w.e.f.07/05/2010). [Download GSR 386(E)]

3. [x x x x] : The words "and shall expire on the 31st day of March of the year" omitted by GSR 933(E), dt. 28/10/1989 (w.e.f. 28/10/1989) [Download GSR 933(E)]

Rule 88 ~ Age of motor vehicle for the purpose of national permit.

(1) No national permit shall be granted in respect of a goods carriage, other than multiaxle vehicle, which is more than [\[twelve years\]](#) old at any point of time.

(2) No national permit shall be granted for a multiaxle goods carriage which is more than fifteen years old at any point of time.

(2A) No national permit shall be granted for a puller tractor which is more than fifteen years old at any point of time:

Provided that the national permit may be extended for another period of five years subject to certificate of fitness granted by the manufacturer or a chartered engineer, in case the manufacturer ceases to operate in India.

(3) A national permit shall be deemed to be invalid from the date on which a goods carriage covered by the permit completes fifteen years in case of a multiaxle goods carriage and [\[twelve years\]](#) where the vehicle is other than a multiaxle goods carriage, unless such goods carriage is replaced.

Explanation: For the purpose of this rule, the period of [\[twelve years\]](#) or fifteen years, as the case may be, shall be computed from the date of initial registration of the motor vehicle covered under its permit or the prime mover in case of an articulated vehicle.

(4) [\[No national permit shall be granted in respect of a multi-axle trailer approved to carry a gross vehicle weight of more than 50 tonnes, which is more than 25 years old at any point of time, the period of 25 years being computed from the date of initial registration of the said trailer.\]](#)

Explanation: For the purpose of this rule, ["multi-axle trailer" means a trailer having more than two axles.](#)

(4A) [No national shall be granted in respect of a modular hydraulic trailer, which is more than twenty five years old at any point of time, the period of twenty-five years being computed from the date of initial registration of the said modular hydraulic trailer:]

Provided that the national permit may be extended for another period of five years subject to certificate of fitness granted by the manufacture or a chartered engineer or approving authority, in case the manufacturer ceases to operate in India:

Provided further that be national permit shall be valid irrespective of the combination of modular hydraulic trailers subject to the condition that each individual modular hydraulic trailer is having valid national permit.

Explanation: For the purpose of this section, “national permit” means a permit issued to ply the motor vehicle under this section, throughout the territory of India.]

(5) [A national permit shall be in such security printed watermark paper and shall carry such hologram as the State Government or the State Transport Authority, as the case may be, issuing such permit, may specify:]

Provided that the use of such security printed watermark paper carrying such hologram shall come into force on or before six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2002.]

1. [twelve years] : Substituted by GSR 799(E), dt. 30/12/1993 (w.e.f. 30/12/1993).
2. [twelve years] : Substituted by GSR 799(E), dt. 30/12/1993 (w.e.f. 30/12/1993).
3. [twelve years] : Substituted by GSR 799(E), dt. 30/12/1993 (w.e.f. 30/12/1993).
4. [No national permit shall be granted in respect of a multi-axle trailer approved to carry a gross vehicle weight of more than 50 tonnes, which is more than 25 years old at any point of time, the period of 25 years being computed from the date of initial registration of the said trailer. : Substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001)
[Download GSR 221(E)]
5. : Substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)]
6. Explanation: For the purpose of this rule, "multi-axle trailer" means a trailer having more than two axles.] : Substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001)
[Download GSR 221(E)]
7. [No national shall be granted in respect of a modular hydraulic trailer, which is more

than twenty five years old at any point of time, the period of twenty-five years being computed from the date of initial registration of the said modular hydraulic trailer: : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

8. Provided that the national permit may be extended for another period of five years subject to certificate of fitness granted by the manufacture or a chartered engineer or approving authority, in case the manufacturer ceases to operate in India: Provided further that be national permit shall be valid irrespective of the combination of modular hydraulic trailers subject to the condition that each individual modular hydraulic trailer is having valid national permit. : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

9. Explanation: For the purpose of this section, "national permit" means a permit issued to ply the motor vehicle under this section, throughout the territory of India.] : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

10. [A national permit shall be in such security printed watermark paper and shall carry such hologram as the State Government or the State Transport Authority, as the case may be, issuing such permit, may specify: : Substituted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

11. : Substituted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

12. Provided that the use of such security printed watermark paper carrying such hologram shall come into force on or before six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2002.] : Substituted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

Rule 89 ~ [Omitted].

[\[x x x x\]](#)

1. [x x x x] : Rule 89 omitted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)]

Rule 90 ~ Additional conditions for national permit.

The national permit issued under sub- section (12) of section 88 shall be subject to the following additional conditions, namely:—

1. The words "National Permit or "N/P" shall be inscribed in the front and rear of the vehicles bold letters. In case of trailers, the words "N/P" shall be inscribed on the rear and left side of the vehicle.
2. The body of a tanker carrying dangerous or hazardous goods shall be painted in white colour and shall display the class label, as specified in Rule 137, on both the sides and rear of the tanker.
3. The vehicle shall be fitted with FASTag., as specified in Rule 138A of the Central Motor Vehicles Rules, 1989 [\[x x x x\]](#)
4. Vehicle shall be affixed with reflective tapes at front and rear as specified under Rule 104.
5. Vehicle shall be fitted with a Vehicle Tracking System device as per AIS 140.
6. The vehicle shall not pick up or set down goods between two points in the same state, if restricted by the particular state.

1. The national permit issued under sub- section (12) of section 88 shall be subject to the following additional conditions, namely:— : Substituted by GSR 690(E), dt. 06/11/2020 (w.e.f. 06/11/2020). [\[Download GSR 690\(E\)\]](#)
2. [\[x x x x\]](#) : The words "not later than 1st October, 2019" by GSR 1081(E), dt. 02/11/2018 (w.e.f. 02/11/2018). [\[Download GSR 1081\(E\)\]](#)

Chapter V ~ CONSTRUCTION, EQUIPMENT AND MAINTENANCE OF MV.

Rules 91 to 114A

Rule 91 ~ Definitions.

In this Chapter, unless the context otherwise requires,—

(a) Class label.

Class label in relation to any dangerous or hazardous goods, means the class label specified in column 3 of the Table to rule 137;

(b) Consignor.

Consignor in relation to dangerous or hazardous goods intended for transportation by a goods carriage, means the owner of such dangerous or hazardous goods;

(c) Dangerous or hazardous goods.

Dangerous or hazardous goods means the goods of dangerous or hazardous nature to human life specified in Tables I, II, and III to rule 137;

(d) Emergency information panel.

Emergency information panel means the panel specified in rule 134;

(e) Primary risk.

Primary risk in relation to any dangerous or hazardous goods, means the most potent risk which such goods give rise to;

(f) Subsidiary risk.

Subsidiary risk in relation to any dangerous or hazardous goods, means the subsidiary risk which such goods are likely to give rise to in addition to the primary risk.

Rule 92 ~ General.

(1) No person shall use or cause or allow to be used in any public place any motor vehicle which does not comply with the provisions of this Chapter:

[Provided that no thing contained in this rule shall apply to vehicles manufactured prior to the coming into force of the Central Motor Vehicles (Amendment) Rules, 1993.]

(2) Nothing in this rule shall apply to a motor vehicle—

- a. which has been damaged in an accident or to a vehicle stopped or impeded owing to shortage of fuel or other temporary defects while at the place at which the accident or defect occurred;
- b. which is defective or damaged and is being removed to the nearest place of repair or disposal; or
- c. which is registered as Vintage Motor Vehicle:

- d. [which is manufactured for the purposes of export including the movement of such vehicle by road from manufacturing plant to port of the export as well as any other location relevant for the purposes of facilitating such export, under the supervision of the vehicles manufacturer or dealer, as the case may be:]

Provided that where a motor vehicle can no longer remain under the effective control of the person driving, the same shall not be used in a public place except by towing.

Explanation : for the purposes of this rule, "motor vehicle" includes construction equipment vehicle.

(3) [Whenever a part, component or assembly is used in a vehicle complying with standard namely EEC or ECE or Japanese, in lieu of the standard notified in the rules, the compliance of such part, component or assembly shall be deemed to be established for the purpose of Rules 124 and 126, by a certificate of compliance for the relevant standard issued by an authorised agency or accredited certifying agency.]

(4) [The manufacturers who are affixing microdot identifiers in the motor vehicles and their parts, components, assemblies, sub-assemblies shall conform to Automotive Industry Standard (AIS)-155 as amended from time to time.]

1. [Provided that no thing contained in this rule shall apply to vehicles manufactured prior to the coming into force of the Central Motor Vehicles (Amendment) Rules, 1993.] :

Inserted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]

2. which is registered as Vintage Motor Vehicle: : Clause (c) substituted by GSR 492(E), dt. 15/07/2021 for "which is more than fifty years old from the date of its registration and is being driven for taking part in a vintage car rally" (w.e.f. 15/07/2021). [Download GSR 492(E)]

3. [which is manufactured for the purposes of export including the movement of such vehicle by road from manufacturing plant to port of the export as well as any other location relevant for the purposes of facilitating such export, under the supervision of the vehicles manufacturer or dealer, as the case may be:] : Inserted by GSR 584(E), dt. 25/09/2020 (w.e.f. 25/09/2020). [Download GSR 584(E)]

4. Explanation : for the purposes of this rule, "motor vehicle" includes construction equipment vehicle. : Inserted by G.S.R 642(E), dated 28-07-2000 (w.e.f. 28-07-2000) [Download GSR 642(E)]

5. [Whenever a part, component or assembly is used in a vehicle complying with

standard namely EEC or ECE or Japaneses, in lieu of the standard notified in the rules, the compliance of such part, component or assembly shall be deemed to be established for the purpose of Rules 124 and 126, by a certificate of compliance for the relevant standard issued by an authorised agency or accredited certifying agency.] : Substituted by GSR 870(E), dt. 13/09/2018 (w.e.f. 13/09/2018). [Download GSR 870(E)]

6. [The manufacturers who are affixing microdot identifiers in the motor vehicles and their parts, components, assemblies, sub-assemblies shall conform to Automotive Industry Standard (AIS)-155 as amended from time to time.] : Inserted by GSR 935(E), dt. 18/12/2019 (w.e.f. 18/12/2019). [Download GSR 935(E)]

Rule 93 ~ Motor Vehicle Width Length and Height.

[x x x x]

► OLD RULE:

1. [x x x x] : Rule 93, 93A, 93B, 93C substituted by G.S.R 414(E) dated 26/06/2020 (w.e.f. 26/06/2020). [Download GSR 414(E)]

93(1) ~ Overall Dimension.

93(1)(A) ~ Overall dimensions of motor vehicles.

The overall dimensions of motor vehicles shall not exceed the limits as specified in tables given below for each category as applicable.

(I) Two wheeled vehicles.

SL No	Category of Vehicle	Width (Meters)	Length (Meters)	Height (Meters)
(1)	(2)	(3)	(4)	(5)
1	Two wheeled vehicles (L1 category)	1	4	2.5

2	Two wheeled vehicles(L2 category)	2	4	2.5
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(II) Three wheeler Category L5 M/ L5 N and E-rickshaw/E-cart

SL No	Category of Vehicle	Width (Meters)	Length (Meters)	Height (Meters)
(1)	(2)	(3)	(4)	(5)
1	Three wheeler Category (L-5 Category)	1.6	4	2.5
2	E-rickshaw /E-cart	1	2.8	1.8

(III) Quadricycle Category L7M/ L7N

SL No	Category of Vehicle	Width (Meters)	Length (Meters)	Height (Meters)
(1)	(2)	(3)	(4)	(5)
1	Quadricycle Passenger Category L7-M	1.5	3	2.5
2	Quadricycle Goods Category L7-N	1.5	3.7	2.5

(IV) Construction Equipment vehicle (CEV)

SL No	Category of Vehicle	Width (Meters)	Length (Meters)	Height (Meters)
(1)	(2)	(3)	(4)	(5)
1	Construction Equipment vehicle	3	12.75	4.75

2	Construction Equipment vehicle with more than 2 axle	3	18	4.75
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Additional Conditions: Construction equipment vehicles and combine harvesters shall be painted by yellow and black zebra stripes on the portion of the width that exceeds 2.6 meters on the front and rear sides. The zebra stripes need not be used on attachments, if any. Further construction equipment vehicles and combine harvesters shall be equipped for night time driving and parking suitably with white or amber lamps at the front and red lamps at the rear.

(V) Motor Vehicle Category M

SL No	Category of Vehicle	Width (Meters)	Length (Meters)	Height (Meters)
(1)	(2)	(3)	(4)	(5)
1	M1	2.6	12	4
2	M2	2.6	12	4
3	M3 with 2 axles including double deck	2.6	13.5	4
4	M3 with 3 axles including Double Deck	2.6	15	4
5	Sleeper Coach with two axles	2.6	13.5	4
6	Sleeper Coach with three axle	2.6	15	4
7	Airport Passenger Bus (Tarmac Bus)	3.2	15	3.8
8	Single articulated passenger transport	2.6	18.75	4

9	Double articulated passenger transport	2.6	25	4
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(i) In the case of single articulated passenger transport vehicles and double articulated passenger transport vehicles, permission of the State Government shall be obtained regarding their plying on selected routes depending upon local road conditions, width, maneuverability of the vehicle in traffic, as deemed fit. These passenger transport vehicles will also be required to have a closed-circuit TV system for proper visibility in and around the passenger transport vehicle by the driver to maintain safety. Intercom system shall also be provided in such passenger transport vehicle. In addition, the standing passenger will be allowed only on the lower deck of double articulated passenger transport vehicle.

(ii) In case Double Decked busses the overall height of the motor vehicle shall not exceed 4.75meters

(VI) Motor vehicle Category N

SL No	Category of Vehicle	Width (Meters)	Length (Meters)	Height (Meters)
(1)	(2)	(3)	(4)	(5)
1	N1 (vehicle having 2 axles)	2.6	6.5	3
2	N2 (vehicle having 2 or more axles)	2.6	12	4
3	N3 (vehicle having 2 or more axles)	2.6	12	4

Provided that in case motor vehicle is a vehicle carrier or livestock carrier and has open or closed load body or is a construction equipment vehicle the overall height of the motor vehicle shall not exceed 4.75meters:

Provided further that in case motor vehicle of category N2 or N3 is engaged to carry indivisible loads, the overall height of the motor vehicle shall not exceed 4.75 meters;

Provided [also](#) that vehicle carriers can have a maximum of two decks to carry vehicles:

[Provided also that vehicles carrying two wheelers can have maximum of three decks to carry vehicles with load body not projecting over the driver's cabin.](#)

Provided also that in case motor vehicle has a closed load body or carrying ISO series I containers or fabricated or refrigerated containers the overall height of the motor vehicle shall not exceed 4.52 meters:

Provided also that in case motor vehicle has a tilting load body with canopy, the overall height of the motor vehicle shall not exceed 4.2 meters:

(VII) Trailers Category T

SL No	Category of Vehicle	Width (Meters)	Length (Meters)	Height (Meters)
(1)	(2)	(3)	(4)	(5)
1	Semi-trailers with tractors	2.6	18.75	4
2	Truck-trailer/Tractor-trailer	2.6	18.75	4
3	Road Trains	2.6	25.25	4.5

Provided that in case semitrailer has a closed Load body the overall height of the motor vehicle shall not exceed 4.52meters. Also Semi trailers carrying ISO series I freight containers or Fabricated / Refrigerated containers shall not exceed 4.52 meters.

Provided further that in case Truck-trailer/Tractor-trailer engaged by Auto manufacturers to carry motor vehicles/Construction equipment Motor vehicle/ livestock/white goods has a closed load body or meant to carry indivisible loads, the overall height of the motor vehicle shall not exceed 4.75 m.

[Provided also that vehicles carrying two wheelers can have maximum of three decks to carry vehicles with load body not projecting over the driver's cabin.](#)

Provided also that vehicles carrying four wheelers can have maximum of two decks, with the load body as per AIS-113.

(i) The overall length of semitrailer with tractor is subject the following conditions, namely:-

(a) Wheelbase of the tractor shall not exceed 6.3meters.

(b) The distance between the fifth gear coupling point and the rearmost point of the trailer shall not exceed 12.45meters.

(ii) Road Trains is a motor vehicles wherein traction can be provided by motor vehicles or tractor connected to a combination of trailers and semitrailers:

Provided that in case road train has a closed Load body the overall height of the motor vehicle shall not exceed 4.52meters.

(iii) Articulated or truck trailer or tractor-trailer vehicles engaged by automobile manufacturers to carry motor vehicle from their factories to different sale outlets in the country, shall be provided with a sliding inspection window on the container body, to allow verification of motor vehicles carried in the container and the sliding inspection window shall be minimum of 400 millimeters in length and 300 millimeters in height and at least one sliding inspection Window shall be fitted to the middle third of the vehicle, the foremost sliding inspection window being not further than 3 meters from the front and in the case of trailers, account shall be taken of the length of the drawbar for the measurement of this distance and the distance between two adjacent sliding inspection windows shall not exceed 4 meters and the height of the upper edge of the sliding inspection window shall not be more than 1.8 meters from the ground.

(VIII) Modular Hydraulic Trailer/Pneumatic Trailer

SL No	Category of Vehicle	Width (Meters)	Length (Meters)	Height (Meters)
(1)	(2)	(3)	(4)	(5)

1	Modular Hydraulic trailer, any single module with maximum eight axle rows	3	19	4.75
2	Modular Hydraulic trailer with a puller tractor	3	29	4.75
3	Puller Tractor having three or more axle	2.6	10	4.2
4	Pneumatic trailer*	2.6	19	4.75

Notes: Pneumatic trailers are trailers with air suspension

(IX) Mechanical Trailers of Exceptional Length.

SL No	Category of Vehicle	Width (Meters)	Length (Meters)	Height (Meters)
(1)	(2)	(3)	(4)	(5)
1	*Mechanical trailer with exceptional length with N3 category truck or tractor	3	29	4

Notes: Mechanical Trailers with length upto 18.75meters which may be extended upto 50 meters depending on the length of the indivisible consignment, while complying with Central Motor Vehicles Rules conditions like axle load , Turning radius etc.

(X) Agriculture category A

SL No	Category of Vehicle	Width (Meters)	Length (Meters)	Height (Meters)
(1)	(2)	(3)	(4)	(5)

1	Agricultural tractors	2.6	6.5	3.8
2	Combine harvester	3.3	15	4.75
3	Power tillers	1.5	3.5	2
4	Power tiller coupled to a trailer	1.7	6	2

1. The overall dimensions of motor vehicles shall not exceed the limits as specified in tables given below for each category as applicable. : Rule 93, 93A, 93B, 93C substituted by G.S.R 414(E) dated 26/06/2020 (w.e.f. 26/06/2020). [Download GSR 414(E)]
2. Provided further that in case motor vehicle of category N2 or N3 is engaged to carry indivisible loads, the overall height of the motor vehicle shall not exceed 4.75 meters; : Inserted by GSR 435(E) dtd. 18/06/2021 (w.e.f. 18/06/2021). [Download GSR 435(E)]
3. also : Substituted for the word "further" by GSR 435(E) dtd. 18/06/2021 (w.e.f. 18/06/2021). [Download GSR 435(E)]
4. Provided also that vehicles carrying two wheelers can have maximum of three decks to carry vehicles with load body not projecting over the driver's cabin. : Inserted by GSR 161(E) dtd. 25/02/2022 (w.e.f. 25/02/2022). [Download GSR 161(E)]
5. Provided also that vehicles carrying two wheelers can have maximum of three decks to carry vehicles with load body not projecting over the driver's cabin. : Inserted by GSR 161(E) dtd. 25/02/2022 (w.e.f. 25/02/2022). [Download GSR 161(E)]
6. Provided also that vehicles carrying four wheelers can have maximum of two decks, with the load body as per AIS-113. : Inserted by GSR 161(E) dtd. 25/02/2022 (w.e.f. 25/02/2022). [Download GSR 161(E)]
7. N3 category truck or tractor : Substituted for the words "a puller tractor" by G.S.R 200(E) dated 14/03/2022 (w.e.f. 14/03/2022). [Download GSR 200(E)]

93(1)(B) ~ General conditions and relaxations for dimensions.

(i) A Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)], or guard rail or a direction indicator rub-rail (rubber beading) having maximum thickness of 20 millimeter on each side of the body or side foot step shall not be taken into consideration in measuring the overall width of a motor vehicle;

(ii) No motor vehicle shall be loaded in such a manner that the load or any part thereof extends.-

- a. laterally beyond the side of the body;
- b. to the front beyond the foremost part of the load body of the vehicle;
- c. to the rear beyond the rear most part of the vehicle;
- d. to a height beyond the limits specified.

(iii) In case of indivisible load following relaxations are permissible with respect to following dimensions, namely:-

- a. 200mm projection on each lateral side permissible in case motor vehicle used has the actual width as 2.6 meter subject to following conditions namely:-

- (1) Projecting portion of the indivisible load shall be painted with yellow and black reflective paint or pasted with tape having similar painting;
- (2) Lamp emitting red light on rear and white light on front shall attached to the extreme end of the both side of the divisible load.

- b. Height up to 4.75 meters.

Explanation 1: For the purposes of this rule, — "**Overall Width**" means the width of motor vehicle measured at right angles to the axis of the motor vehicle between perpendicular planes enclosing the extreme points.

Explanation 2: For the purposes of this rule, - "**Overall Length**" of motor vehicles means the length of the vehicle measured between parallel planes passing through the extreme projection points of the vehicle exclusive of following as applicable –

- i. a starting handle;

- ii. any hood when down;
- iii. any fire-escape fixed to a vehicle;
- iv. any post office letter-box, the length of which measured parallel to the axis of the vehicle, does not exceed 30 centimeters;
- v. any ladder used for loading or unloading from the roof of the vehicle or any tail or indicator lamp or number plate fixed to a vehicle;
- vi. any spare wheel or spare wheel bracket or bumper fitted to a vehicle;
- vii. towing hook or any other fitment which does not project beyond any fitment covered by clauses (iii) to (vi);
- viii. any devices fitted for meeting direct or indirect vision requirements;
- ix. rear foot step.

Explanation 3: For the purposes of this rule, — "**Overall Height**" of vehicles means the overall height of motor vehicles measured from surface on which vehicle rests. In case of M category vehicles, overall height excludes height of air conditioning unit.

Note : [Device for indirect vision](#) shall not be taken into consideration in measuring the overall height of a motor vehicles.

(iv) The dimensions of Agricultural Tractors in this rule are-

- i. Overall width of agricultural tractor and power tiller means the width of the vehicle measured at right angles to the axis of the vehicle between perpendicular planes enclosing the extreme points;
- ii. Overall length of agricultural tractor and power tiller means the length of the vehicle measured between parallel planes passing through the extreme projection points of the vehicle;
- iii. Overall height of agricultural tractor and power tiller means the overall height of vehicle measured from surface on which vehicle rests.

Explanation 4: For the purposes of this rule, "**Airport Passenger Bus (Tarmac Bus)**" means the Bus having doors on both sides which is exclusively used for the carrying the passengers from airport terminal to and from the aircraft and plying on the air side on the Airport terminal with maximum speed not exceeding thirty kilometer per hour.

Note : Fire escape tower wagons and other special purpose vehicles exempted by general or special order of registering authority shall be exempt from the height requirements of vehicles.

Explanation 5: For the purposes of this rule, — "**Indivisible load**" means any item or cargo that cannot be divided without extreme efforts, expense or risk of damage to it and can't be carried on motor vehicle without exceeding the permissible mass and/ or dimensions of the vehicles and roads.

Explanation 6: For the purposes of this rule, — "**wheel base**" means,-

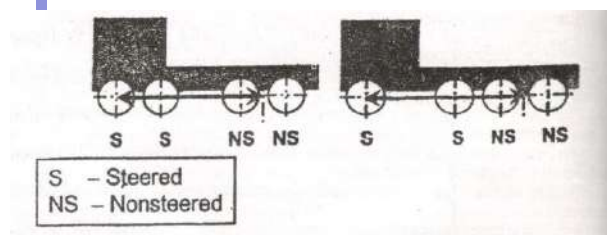
- a. In the case of vehicles with only two axles, the distance measured horizontally and parallel to the longitudinal axis of the vehicle, between the centre points of the front axle and rear axle;
- b. In case of vehicle having only three axles, and the front axles is only the steered axle, the distance measured horizontally and parallel to longitudinal axis of the vehicle between the centre of the front axle and centre point between the two rear axles;
- c. In case of vehicles having more than three axles, and fitted with or without retractable axle, wheelbase shall be the distance measured between the centre of the front-most axle and the centre point of rear combination of non-steered axles.

Note.-

(i) — "**Retractable axle**" means an axle which can be raised or lowered by the axle-lift device in accordance with first indent;

(ii) — "**Axle-lift device**" means a device permanently fitted to a vehicle for the purpose of reducing or increasing the load on the axle (S), according to the loading conditions of the vehicle, either by raising the wheels clear-off the ground or lowering them to the ground or without raising the wheels of the ground (for Ex. In the case of Air suspension systems, or other system) in order to reduce the wear on the tyres when

the vehicle is not fully laden, or make starting (moving of) on slippery ground easier for motor vehicles or vehicle combinations by increasing the load on the driving axle].



1. A : rear-view mirror or device for indirect vision
2. , or guard rail or a direction indicator rub-rail (rubber beading) having maximum thickness of 20 millimeter on each side of the body or side foot step shall not be taken into consideration in measuring the overall width of a motor vehicle; : Rule 93, 93A, 93B, 93C substituted by G.S.R 414(E) dated 26/06/2020 (w.e.f. 26/06/2020). [Download GSR 414(E)]
3. Device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]

93(2) ~ Overhang.

- (1) The overhang of a tractor or puller tractors shall not exceed 1.85 metres.
- (2) The overhang of the motor vehicle other than a tractor, construction equipment vehicle and combine harvester shall not exceed 60 percent of the wheel base.

Explanation : For the purpose of this rule, - **“overhang”** means the distance measured horizontally and parallel to the longitudinal axis of the vehicles between two vertical planes at right angles to such axis passing through the two points specified hereunder:

(A) *The rearmost point of the vehicle exclusive of-*

- i. any hood when down;

- ii. any post office letter-box, the length of which measured parallel to the longitudinal axis of the vehicle, does not exceed thirty centimeters;
- iii. any ladder forming part of a turn-table fire-escape fixed to a vehicle;
- iv. any ladder used when the vehicle is at rest for loading or unloading from the roof of the vehicle, or any tail lamp or number plate fixed to a vehicle;
- v. any spare wheel or spare wheel bracket or bumper fitted to a vehicle;
- vi. any luggage carrier fitted to a motor vehicle constructed solely for carriage of passengers and their effects and adapted to carry not more than seven passengers exclusive of the driver;
- vii. any towing hook or other fitment which does not project beyond any fitment mentioned in clauses (ii) to (vi);
- viii. any mounted implement on a 3-point linkage of a tractor:

Provided that in the case of a stage carriage-

- a. The projection of any bumper or advertisement panel fitted at the rear of the vehicle shall not exceed fifteen centimeters;
- b. The projection in respect of an advertisement panel shall not be such as to obstruct either the vision from the [device for indirect vision](#) or project through the emergency exit at the rear or both;
 - (i) In the case of a vehicle having only two axles, one of which is not a steering axle, the centre point of that axle; or
 - (ii) [in the case of a vehicle having only three axles and the front axle is the only steering axle, the centre point of the rearmost axle, irrespective of rear axle\(s\) being "fixed" or "retractable" \(lift axle\); or;](#)
 - (iii) in the case of a vehicle having only three axles where two front axles are steering axles, the centre point of the rearmost axle, irrespective of rear axle(s) being "fixed" or "retractable" (lift axle); or;
 - (iv) in the case of a vehicle having four or more than four axles; the centre point of the rearmost axle, irrespective of rear axle(s) being "fixed" or "retractable" (lift axle); or;

(v) in any other case, a point situated on the longitudinal axis of the vehicle such that a line drawn from it at right angle to that axis will pass through the centre of the minimum turning circle of the vehicle.

(3) The overhang of the construction equipment vehicle or combine harvester shall not exceed 7.5 metres in front or rear while in the travel mode:

Provided that in case of a combine harvester exclusively used for harvesting sugarcane, the overhang shall not exceed 8.5 meters in rear while in travel mode.

(4) The overhang of the agricultural tractor shall not exceed 1.85 meter provided that lateral projection up to 700 mm beyond the central line of the rear wheel shall be permitted.

Explanation :

- i. For the purpose of this sub-rule, — "overhang" means the "length/height" measured horizontally and parallel to the longitudinal axis of the construction equipment vehicle or combine harvester between two vertical planes at right angles to such axis passing through-
- ii. The front most point of the vehicle and the Centre point of the front axle, for the front overhang,
- iii. The rearmost point of the vehicle and centre point of the rear axle, for the rear overhang, exclusive of the parts or fitments mentioned at items (i) to (viii) of the sub-rule (2) of rule 2 as applicable.

1. The overhang of a tractor or puller tractors shall not exceed 1.85 metres. : Rule 93, 93A, 93B, 93C substituted by G.S.R 414(E) dated 26/06/2020 (w.e.f. 26/06/2020).
[Download GSR 414(E)]
2. device for indirect vision : Substituted for "rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]
3. in the case of a vehicle having only three axles and the front axle is the only steering axle, the centre point of the rearmost axle, irrespective of rear axle(s) being "fixed" or "retractable" (lift axle); or ; Substituted (ii, iii, iv) by G.S.R 200(E) dated 14/03/2022 (w.e.f. 14/03/2022). [Download GSR 200(E)]

93(3) ~ Lateral projection for motor vehicles.

Except in the case of vehicles of L1 and L2, E-cart/ E-rickshaw and L5categories, no part of the vehicle other than a direction indicator, when in operation, or a device for indirect vision, shall project laterally more than 355 millimetres beyond the centreline of the rear wheels, in the case of single rear wheels or more than 152 millimetres beyond the edge extreme outer tyres, in the case of dual rear wheels.

Provided that the State Government or any authority authorised in this behalf by the State Government, if it is satisfied that it is necessary because of the nature of any road or bridge or in the interest of public safety, may prohibit or restrict the operation of a motor vehicle in a specified route or area unless such vehicle complies with the requirements specified by the State Government for such route or area.

1. Except in the case of vehicles of L1 and L2, E-cart/ E-rickshaw and L5categories, no part of the vehicle other than a direction indicator, when in operation, or a : Rule 93, 93A, 93B, 93C substituted by G.S.R 414(E) dated 26/06/2020 (w.e.f. 26/06/2020). [Download GSR 414(E)]
2. device for indirect vision : Substituted for "rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]
3. shall project laterally more than 355 millimetres beyond the centreline of the rear wheels, in the case of single rear wheels or more than 152 millimetres beyond the edge extreme outer tyres, in the case of dual rear wheels. : Rule 93, 93A, 93B, 93C substituted by G.S.R 414(E) dated 26/06/2020 (w.e.f. 26/06/2020). [Download GSR 414(E)]

93(4) ~ Lateral projection for CEV & Combine Harvester.

No part of the construction equipment vehicle or combine harvester in travel mode other than a direction indicator, or device for indirect vision, shall project laterally more than 300 millimetre beyond the extreme outer edge of the tyres or wheel drums regardless of single or dual tyres or rollers.

1. No part of the construction equipment vehicle or combine harvester in travel mode other than a direction indicator, or : Rule 93, 93A, 93B, 93C substituted by G.S.R 414(E) dated 26/06/2020 (w.e.f. 26/06/2020). [Download GSR 414(E)]
2. device for indirect vision : Substituted for "rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]

3. shall project laterally more than 300 millimetre beyond the extreme outer edge of the tyres or wheel drums regardless of single or dual tyres or rollers. : Rule 93, 93A, 93B, 93C substituted by G.S.R 414(E) dated 26/06/2020 (w.e.f. 26/06/2020). [Download GSR 414(E)]

Rule 94 ~ Condition of tyres.

(1) Every motor vehicle including agricultural tractor and its trailer, [\[and combine harvester and modular hydraulic trailers\]](#) shall be fitted with pneumatic tyres and every construction equipment vehicle, other than steel drum rollers of vibratory compactors or compactor rollers or road roller or a track laying vehicle, shall be fitted with pneumatic tyres or solid rubber tyres.

(2) The pneumatic tyres of a motor vehicle including agricultural tractor and its trailer, [\[and combine harvester\]](#) shall be kept properly inflated and in good and sound condition.

(3) For the purpose of sub-rule (2), a tyre shall not be deemed to be of good and sound condition if—

- i. any of the fabric of its casing is exposed by wear of the tread or by any unvulcanised cut or abrasion in any of its parts; or
- ii. it shows signs of incipient failure by local deformation or swelling; or
- iii. it has been patched or repaired by an outside gaiter or patch other than a vulcanised repair;
- iv. [\[the Non-Skid Depth \(NSD\), shall not be less than 0.8 mm in the case of- \[two wheeler, three-wheeler, quadricycle, E-rickshaw and E-cart\] and 1.6 mm in the case of other motor vehicles, below the Tread Wear Indicator \(TWI\) embedded in tyres at the time of manufacture:\]](#)

Provided that the requirement specified in clause (iii) shall not apply to a temporary repair effected to enable the vehicle to be moved to the nearest place where the tyre can be repaired or replaced:

Provided further that where a motor vehicle, other than road roller or track laying vehicle, is not fitted with pneumatic tyres, it shall not be used in a public place unless it is fitted with shoes or other suitable device so that plying of such vehicle does not damage the road:

[Provided also that the requirements of the Non-Skid Depth (NSD) and Tread Wear Indicator (TWI) specified in clause (iv) shall not be applicable for the agricultural tractor tyres.]

1. [and combine harvester and modular hydraulic trailers] : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]
2. [and combine harvester] : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]
3. [the Non-Skid Depth (NSD), shall not be less than 0.8 mm in the case of- [two wheeler, three-wheeler, quadricycle, E-rickshaw and E-cart] and 1.6 mm in the case of other motor vehicles, below the Tread Wear Indicator (TWI) embedded in tyres at the time of manufacture:] : Substituted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)]
4. [Provided also that the requirements of the Non-Skid Depth (NSD) and Tread Wear Indicator (TWI) specified in clause (iv) shall not be applicable for the agricultural tractor tyres.] : Inserted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/02/2004). [Download GSR 111(E)]

Rule 95 ~ Size and ply rating of tyres.

(1) [The tyres including radial tyres used on all motor vehicles manufactured or imported on and after the 1st day of April, 2006, other than agricultural tractors, construction equipment vehicles and power tillers shall comply with the requirements specified in] [IS : 15627 -2005 or IS : 15633 - 2005 or IS :15636 - 2012 applicable]:

(1A) The tyre designs falling under class C1, C2 and C3, as defined in AIS 142:2019, and as applicable, shall meet the Stage 2 limits of Rolling Resistance and Rolling Sound Emissions and limits of Wet Grip, as specified in AIS 142:2019, as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (11 of 2016) as per the timelines given in the Table below, namely:-

TABLE

Sl No.	Tyre Description	Date of Implementat

		Rolling Resistance, Wet Grip	Roll Sou
(1)	(2)	(3)	(4)
1.	New and Existing designs of tyres to be fitted on Motor Vehicles and falling under Class C1, C2 and C3 as applicable as per of AIS 142.	01 st January 2024	01 st O 20

Explanation.- For the purpose of this sub-rule.-

(i) the expression "new designs of tyres" means any tyres approved as per IS 15633/IS 15636, on or after the date of implementation of AIS 142 and to be OE fitted on new motor vehicles;

(ii) the expression "existing designs of tyres" means any tyres approved as per IS 15633 /IS 15636, before the date of implementation of AIS 142 and being OE fitted on new motor vehicles.]

Provided that the selection and fitment of tyres for motor vehicles manufactured or imported on and from the 1st day of April, 2006 shall be in accordance with AIS:050:2004 in the case of two wheeler, three-wheeler, quadricycle, E-rickshaw and E-cart and AIS:051:2004 in the case other motor vehicles, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986):

Provided further that Central Institute of Road Transport, Pune and any other agency which may be authorised by Central Government from time to time can carry tests for verification against AIS:044:2004 for tyres for the purposes of rule 126.

(2) The size of the tyres of a construction equipment vehicle] [\[or a combine harvester\]](#) specified in column (1) of the Table below shall have a ply rating specified in the corresponding entry in column(2) of the said Table in respect of maximum weight permitted to be carried by such tyre specified in the corresponding entry in column(3) thereof:

Provided that the maximum safe load for single axle with two or more tyres shall not exceed 10.2 tonnes.

Table - Off Road Service Conventional and Wide Base Diagonal Ply Tyres

AGRICULTURAL TRACTOR DRIVE WHEEL		
<i>Tyre size Designation</i>	<i>Ply rating</i>	<i>Maximum weight permitted to be carried (Kgs.)</i>
8.3/8-24	4	630
	6	825
8.3/8-32	4	730
	6	925
11.2/10-28	4	900
	6	1120
	8	1320
12.4/11-24	4	950
	6	1215
	8	1450

12.4/11-28	4	1030
	6	1285
	8	1550
	10	1600
	12	1650
12.4/11-36	4	1150
	6	1450
12.4/11-38	4	1180
	6	1500
	8	1750
13.6/12-28	4	1120
	6	1450
	8	1650
	10	1750
	12	1800
16.9/14-28	6	1850

	8	2180
	10	2430
	12	2725

ROAD GRADER		
13.00-24	8	2040
	12	2485
14.00-24	12	3015

OFF THE ROAD HAULAGE SERVICE TYRES		
Tyre size Designation	Ply rating	Maximum weight permitted to be carried (Kgs)
12.00-20	14	2650
	16	2900
12.00-24/25	14	3000
	16	3250

13.00-24/25	18	3875
14.00-24/25	16	4000
	20	4625
	24	5150
16.00-24/25	20	5450
	24	6000
	28	6700
18.00-24/25	12	4750
	16	5600
	20	6500
	24	7300
	28	8000
	32	8750
WIDEBASE		
23.5 - 25	12	5300
	16	6150

	20	7300
	24	8000

Note.

[1.]The load rating for tyres not covered by the above Table may be notified by the Central Government as and when such tyres are introduced on construction equipment vehicles, and until these are notified, the provisional load rating declared by the construction equipment vehicle manufacturer may be certified by the certifying test agency referred to in rule 126.

[2] The maximum axle loading capacities shall be verified based on the safe loading capacities of the tyres. In cases where the axle load exceed 10.2 tonnes, the vehicle manufacturer shall ask the user to seek the prior permission of the concerned Regional or State Transport Authorities in whose jurisdiction the construction equipment vehicle is expected to ply depending upon the conditions of roads/bridges, where deemed fit. Such construction equipment vehicles whose axle load exceeds 10.2 tonnes shall display permanently on the vehicle a placard indicating "NOT FOR PLYING ON ROADS". These conditions shall be mentioned in the certificate, issued by the testing agencies referred to in the rule 126, where the axle load exceeds 10.2 tonnes.

(2A) The size of the tyres of a construction equipment vehicle [or a combine harvester].

(3) No tyre shall have a ply rating more than 20, for applications of on-highway and such ply rating shall not be prescribed by either vehicle manufacturer or employed by vehicle user on this class of vehicle.

(4) Check on sub-rule (3) of rule 95 on commercial vehicles will be conducted by the authority indicated in sub-rule (1) of rule 126, while conducting the checks.]

(5) Every tyre manufacturer shall, in addition to any trade mark or size of the tyre, also emboss on it the following, namely:—

- i. week and year code or month and year code of manufacture; and

ii. maximum load carrying capacity.]

(6) In the case of Indian manufactured vehicles and imported vehicles (new and old), the size of tyres if included in the International Standards, namely, ECE, JATMA, ETRTO and T & RA besides Bureau of Indian Standards may also be accepted under this rule:

Provided that the following conditions shall be complied with:

- i. that testing agencies referred to in rule 126 shall satisfy themselves about the load and speed rating of the tyre with reference to the Indian conditions;
- ii. that the test report/certificate issued by the testing agency of the Country of origin shall be verified for acceptance by the testing agency referred to in rule 126;
- iii. that for tubeless tyres fitted on imported vehicles confirming to conditions (i) and (ii) shall also be allowed.]

(7) Temporary use spare wheel or tyre and Run Flat Tyres for vehicles of categories M1 and N1, if they are different from the normal tyre used on the vehicle shall conform to AIS 110:2009, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(8) The vehicles categories M1 up to maximum mass of 3.5 T and N1 manufactured after the 1st October, 2020 fitted with tyre pressure monitoring system shall confirm to AIS – 154; as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016):

Provided that vehicles fitted with tyre pressure monitoring system approved as per AIS 110 shall deem to comply with requirements of AIS 154.]

1. [The tyres including radial tyres used on all motor vehicles manufactured or imported on and after the 1st day of April, 2006, other than agricultural tractors, construction equipment vehicles and power tillers shall comply with the requirements specified in] : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005).

[Download GSR 589(E)]

2. IS :15636 - 2012 : Substituted by G.S.R 479(E), dated 28-06-2022 (w.e.f. 28-12-2022). [Download GSR 479(E)]

3. The tyre designs falling under class C1, C2 and C3, as defined in AIS 142:2019, and as applicable, shall meet the Stage 2 limits of Rolling Resistance and Rolling Sound

Emissions and limits of Wet Grip, as specified in AIS 142:2019, as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (11 of 2016) as per the timelines given in the Table below, namely:- : Sub rule (1A) inserted by G.S.R 479(E), dated 28-06-2022 (w.e.f. 28-06-2022). [Download GSR 479(E)]

4. TABLE : Table substituted by GSR 453(E), dt. 20/06/2023 (w.e.f. 20/06/2023). [Download GSR 453(E)]

5. New and Existing designs of tyres to be fitted on Motor : Substituted by GSR 453(E), dt. 20/06/2023 (w.e.f. 20/06/2023). [Download GSR 453(E)]

6. Vehicles and falling under Class C1, C2 and C3 as applicable as per of AIS 142. : Substituted by GSR 453(E), dt. 20/06/2023 (w.e.f. 20/06/2023). [Download GSR 453(E)]

7. Explanation. : Sub rule (1A) inserted by G.S.R 479(E), dated 28-06-2022 (w.e.f. 28-06-2022). [Download GSR 479(E)]

8. [or a combine harvester] : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

9. The maximum axle loading capacities shall be verified based on the safe loading capacities of the tyres. In cases where the axle load exceed 10.2 tonnes, the vehicle manufacturer shall ask the user to seek the prior permission of the concerned Regional or State Transport Authorities in whose jurisdiction the construction equipment vehicle is expected to ply depending upon the conditions of roads/bridges, where deemed fit. Such construction equipment vehicles whose axle load exceeds 10.2 tonnes shall display permanently on the vehicle a placard indicating "NOT FOR PLYING ON ROADS". These conditions shall be mentioned in the certificate, issued by the testing agencies referred to in the rule 126, where the axle load exceeds 10.2 tonnes. : Inserted by GSR 116(E), dt. 27/02/2002 (w.e.f. 27/02/2002)

10. The size of the tyres of a construction equipment vehicle [or a combine harvester] : Inserted by GSR 720(E), dt. 10/09/2003 (w.e.f. 10/09/2003). [Download GSR 720(E)]

11. . : Inserted by GSR 720(E), dt. 10/09/2003 (w.e.f. 10/09/2003). [Download GSR 720(E)]

12. Every tyre manufacturer shall, in addition to any trade mark or size of the tyre, also emboss on it the following, namely:— : Inserted by GSR 221(E), dt. 28/03/2001 (w.e.f. 28/03/2001) [Download GSR 221(E)]

13. In the case of Indian manufactured vehicles and imported vehicles (new and old), the size of tyres if included in the International Standards, namely, ECE, JATMA, ETRTO

and T & RA besides Bureau of Indian Standards may also be accepted under this rule: :

Inserted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

14. Provided that the following conditions shall be complied with: : Inserted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

15. that testing agencies referred to in rule 126 shall satisfy themselves about the load and speed rating of the tyre with reference to the Indian conditions; that the test report/certificate issued by the testing agency of the Country of origin shall be verified for acceptance by the testing agency referred to in rule 126; : Inserted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

16. : Inserted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

17. that for tubeless tyres fitted on imported vehicles confirming to conditions (i) and (ii) shall also be allowed.] : Inserted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]

18. Temporary use spare wheel or tyre and Run Flat Tyres for vehicles of categories M1 and N1, if they are different from the normal tyre used on the vehicle shall conform to AIS 110:2009, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986). : Substituted by GSR 518(E) Dtd. 01/06/2018 (w.e.f. 01/06/2018). [Download GSR 518(E)]

19. The vehicles categories M1 up to maximum mass of 3.5 T and N1 manufactured after the 1st October, 2020 fitted with tyre pressure monitoring system shall conform to AIS – 154; as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016): : Inserted by G.S.R 457(E), dated 20-07-2020 (w.e.f. 20-07-2020). [Download GSR 457(E)]

20. : Inserted by G.S.R 457(E), dated 20-07-2020 (w.e.f. 20-07-2020). [Download GSR 457(E)]

21. Provided that vehicles fitted with tyre pressure monitoring system approved as per AIS 110 shall deem to comply with requirements of AIS 154.] : Inserted by G.S.R 457(E), dated 20-07-2020 (w.e.f. 20-07-2020). [Download GSR 457(E)]

Rule 95-A ~ Size and ply rating of tyres for agricultural tractor.

(1) [\[The tyre of the agricultural tractor shall have load carrying capacity as may be specified by the tyre manufacturer, subject to the condition that the maximum load specified by the](#)

agricultural tractor manufacturer shall not be greater than the load permitted by the tyre manufacturer.

(2) The agricultural tractor manufacturer shall select only that rim size as recommended by the tyre manufacturer.

Note.—For compliance to the above two sub-rules, the following shall be referred to IS: 13154-1991 as amended from time to time—Tyres for agricultural tractor, implements and power tillers. In case a particular size of tyre is not listed in IS:13154-1991, any equivalent International Standard like Economic Commission of Europe (ECE), Japanese Automotive Tyre Manufacturers Association (JATMA), European Tyre and Rim Technical Organisation (ETRTO), The Tyre and Rim Association Inc. (T&RA) and Indian Tyre Technical Advisory Committee (ITTAC), etc., shall be accepted.]

1. [The tyre of the agricultural tractor shall have load carrying capacity as may be specified by the tyre manufacturer, subject to the condition that the maximum load specified by the agricultural tractor manufacturer shall not be greater than the load permitted by the tyre manufacturer. : Rule 95A inserted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]

Rule 95-B ~ Size and ply rating of tyres for power tillers.

(1) [The tyre should have load Carrying capacity as specified by the tyre manufacturer, however, the maximum load specified by the power tiller manufacturer shall not be greater than that permitted by the tyre manufacturer.

(2) The power tiller manufacturer shall select the recommended/preferred rim sizes only, as suggested by the tyre manufacturer.

Note.—For compliance to this rule, the following standards shall be referred to, namely:—

(i) IS:13154-1991, as amended from time to time—Tyre for agricultural tractor, implement and power tillers.

(ii) In case a particular size of tyre is not listed in IS: 13154-1991, as amended from time to time, any equivalent International Standard like ECE, JATMA, ETRTO, TNRA, ITTAC, etc.]

1. [The tyre should have load Carrying capacity as specified by the tyre manufacturer, however, the maximum load specified by the power tiller manufacturer shall not be greater than that permitted by the tyre manufacturer. : Rule 95(B) inserted by GSR 589(E), dt. 16/09/2005 (w.e.f. 16/09/2006). [Download GSR 589(E)]

Rule 95-C ~ Size and ply rating of tyres for modular hydraulic trailers.

(1) [\[The tyres including radial tyres used on modular hydraulic trailers shall be in accordance with IS 15636:2005 as amended from time to time.](#)

(2) The tyre of modular hydraulic trailers shall have load carrying capacity as specified by the tyre manufacturer, however, the maximum load specified by the modular hydraulic trailers manufacturer shall not be greater than that permitted by the tyre manufacturer.

(3) The modular hydraulic trailer manufacturer shall select the recommended or preferred rim sizes only, as suggested by the tyre manufacturer and the wheel rims shall confirm to IS 9438:1980.

Note.-For compliance to this rule, any equivalent national or international standards such as Indian Standards (IS), Automotive Industry Standards (AIS), ECE (Economic Commission of Europe), Japan Automobile Tyre Manufacturers Association (JATMA), European Tyre and Rim Technical Organisation (ETRTO), Tyre and Rim Association Inc. (TRA), Indian Tyre Technical Advisory Committee (ITTAC), etc., may be referred.]

1. [The tyres including radial tyres used on modular hydraulic trailers shall be in accordance with IS 15636:2005 as amended from time to time. : Rule 95(C) inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

Rule 95-D ~ Limited road trials.

[The Hydraulic Modular Trailer with specified Gross Vehicle Weight or maximum load carrying capacity shall be subjected to minimum hundred kilometres run preferably on plain roads with speed less than ten kilometres per hour.](#)

1. The Hydraulic Modular Trailer with specified Gross Vehicle Weight or maximum load carrying capacity shall be subjected to minimum hundred kilometres run preferably on plain roads with speed less than ten kilometres per hour. : Rule 95(D) inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

Rule 96 ~ Brakes.

(1) Every motor vehicle, other than a motor cycle, three-wheeled Invalid carriage, trailer or a road roller shall be equipped with two independent and efficient braking systems, namely, the parking brake and foot operated service brake:

Provided that a motor cycle and three-wheeled invalid carriage shall be equipped with the independent and efficient braking systems, either both hand operated or one foot operated and the other hand operated.

(2) The braking system shall be of strength capable of stopping the vehicle within the distance specified in sub-rule(8) and of holding it at rest in all conditions and all such brakes at all time be properly connected and maintained in efficient condition.

[x x x x]

(3) In every motor vehicle [other than agricultural tractors,] the brakes operated by one of the means of operation shall act directly upon the wheel and not through the transmission gear.

(4) [Every motor vehicle manufactured on and after the 1st day of April, 2006 shall have a braking system whose performance shall conform to the following Indian Standard, namely:
—]

(i) For [two-wheelers, three-wheelers, E-rickshaw and E-cart] IS:14664:1999, as amended from time to time.

(ia) For three wheelers manufactured on and after the 1st day of April, 2020 as per IS: 14664:2010, as amended from time to time.

(ib) for two wheelers manufactured on and after six months from the date of notification or the 1st day of April or October, whichever comes earlier; as per IS: 14664:2010, as amended from time to time.

(ii) all motor vehicles including quadricycles, other than two-wheelers, three-wheelers, trailers, semi-trailers, construction equipment vehicles, [two-wheelers, three-wheelers, E-rickshaws and E-carts], IS:11852 (Part 1):2001, 11852(Part 2):2001,11852 (Part 3):2001, 11852 (Part 4):2001, 11852 (Part 5):2001, 11852 (Part 6):2001, 11852 (Part 7):2001 and 11852 (Part 8):2001, as amended from time to time:

[x x x x]

Provided that IS: 11852:2003 (Part 9) shall be applicable for vehicles manufactured on and after the 1st day of October, 2006 fitted with Anti-Lock Braking System.

Provided further that Braking System other than Anti-Lock Braking for M1 category of vehicles manufactured, on and from 1st day of April, 2021 in the case of new models and 1st day of April, 2022 in case of all models, shall conform to IS 15986:2015 or AIS:151:2018 as amended from time to time:

Provided also that Braking System other than Anti-Lock Braking for M2, M3, N1, N2, N3 categories of vehicles manufactured, on and after 1st day of April, 2021 in case of new models and 1st day of April, 2022 in case of all models, shall conform to IS 11852:2013, as amended from time to time:

Provided also that the motor vehicle categories for which Endurance Braking System Test (Type-II A test) is applicable as per IS 11852:2013 and manufactured on and after 1st day of April, 2022 shall comply with the Endurance Braking System Test (Type-II A test) as specified in IS 11852:2013 amended from time to time:

Provided also that Braking System other than Anti-Lock Braking for N1 category of vehicles conforming to IS 15986:2015 or AIS 151:2018 as amended from time to time shall be deemed to comply with the requirements of IS 11852:2013.

(4A) Notwithstanding contained in clause (i) of sub-rule (4), --

a. New vehicle models of category L2 with;

(i) engine capacity \leq 125 cc;

(ii) maximum continuous rated or net power \leq 11 kw; and

(iii) power/weight ratio \leq 0.1 kw/kg,

manufactured on and after the 1st April, 2018 shall be fitted with anti-lock braking system or combined braking system conforming to IS: 14664: 2010:

b. Existing models of category L2 with:

(i) engine capacity \leq 125 cc;

(ii) maximum continuous rated or net power \leq 11 kw; and

(iii) power/weight ratio \leq 0.1 kw/kg,

manufactured on and after the 1st April, 2019 shall be fitted with anti-lock braking system or combined braking system confirming to IS: 14664: 2010:

Provided that all other category of two wheeled vehicles which does not fall in the criteria as mentioned above in Clause (a) and (b) shall be fitted with anti-lock braking system confirming to IS:14664: 2010 on and after the 1st April, 2018 for new models and manufactured on and after the 1st April, 2019 for existing models.

(4B) The motor vehicles of category M1 and M2 shall—

- i. on and after the 1st April 2018, in the case of new models; and
- ii. manufactured on and after the 1st April 2019, in the case of all models.

be fitted with Anti-lock braking system as per IS:15986:2015 or AIS:151:2018, as amended from time to time, specifications in case of Category M1 vehicles and per IS: 11852:2003 (Part -9), specifications in case of Category M2 vehicles.

Provided that vehicles of category M2 manufactured on and from 1st day of April, 2021, in case of new models and 1st day of April, 2022, in case of all models, shall be fitted with Anti-Lock Braking System conforming to the IS 11852:2013 as amended from time to time.

(5) [x x x x]

(6) [x x x x]

(7)

- a. [In the case of motor vehicles, other than three-wheelers of gross vehicle weight not exceeding 1000kgs. And motor cycles, the service brake shall be acting on all the wheels of the vehicle.
- b. In case of three-wheelers of gross vehicle weight not exceeding 1000kgs. If the foot operated brake does not act on all the wheels, the following conditions shall be fulfilled, namely:-

(i) the foot operated brake shall act on the two wheels which are on the same axle, and in addition to the parking brake, there shall be an independent brake acting on the other wheel of the vehicle with an independent hand-operated control.

(ii) In the case of motor cycles, the braking system operated with the foot or left hand shall act at least on the rear wheel and the brake operated by right hand at least on the front wheel.

c. In the case of motor cycles, the braking system operated with the foot or left hand shall act at least on the rear wheel and the brake operated by right hand at least on the front wheel.

d. In the case of agricultural tractors, the braking system shall act as on both the rear wheels, either directly or through the transmission gear.]

(8) The service braking system in the case of vehicle other than three-wheelers and motor cycles, and the braking system operated by one of the means of operation other than the parking brake in the case of three-wheelers and motor cycles shall be capable to bring the vehicles to halt within the distance specified in the following Table when tested in accordance to the condition prescribed correspondingly in the Table. The test shall be conducted on a dry level hard road in good condition. During the test the accelerator control shall be fully released and in the case of vehicles with manual gear shifting control, the top gear and the clutch shall be engaged.

TABLE :

SL No	Type of vehicle	Load	Test speed (The speed at which the brake should be applied)	Type of brake	Stopping distance (m)
1	All vehicles other than motor cycles, three wheelers and agricultural tractors	Laden to the registered GVW	30	Foot operated service	13

		Unladen or	30	Do	13
		Laden or	40	Do	21
		Unladen	40	Do	21
2	Motorcycles	Unladen	30	Foot or hand operated	21
3	Three- wheelers including three-wheeler tractors for trailer	Unladen	30	Foot operated (brakes operational: on at least two wheels)	13
4	Agricultural tractors	Laden to test mass	25	Foot operated service	10
5	All other than three-Wheelers of engine Capacity not exceeding 500cc, motor cycles and agricultural tractors	Laden to the	30	-do-	12.7
		registered	40	-do-	15.0
		GVW or	30	-do-	9.3
		Unladen	40	-do-	12.0
6	Puller Tractor	GVW	20	Foot operated service	13

For the purpose of this test for vehicles other than motorcycles the "unladen" means the vehicle is without any load and shall carry only the driver and another person for specific purpose of supervising the test, and the instruments, if any. In the case of motor cycles, the

"unladen" means that vehicle will carry only the single rider and the measuring instrument, if any.

(9) The following category of vehicles shall be fitted with Anti-Lock Braking System conforming to IS:11852:2003 (Part 9):—

- i. N2 [x x x] category of vehicles other than tractor-trailer combination manufactured on and after the 1st day of October, 2006 meant for carrying hazardous goods and liquid petroleum gas;
- ii. [New models of M3 and N3 categories of vehicles manufactured on and after the 1st April, 2015;
- iii. Existing models of M3 and N3 categories of vehicles manufactured on and after the 1st October, 2015;]
- iv. [The following categories of vehicles manufactured prior to the dates specified in clauses (ii) and (iii) shall be fitted with Anti-lock Braking System conforming to IS: 11852:2003 (Part 9);
 - (a) N3categories of vehicles other than tractor-trailer combination manufactured on and after the1st day of October, 2006 meant for carrying hazardous goods and liquid petroleum gas;
 - (b) N3 categories vehicles manufactured on and after the 1st day of October, 2007, that are double decked transport vehicles;
 - (c) N3 categories of vehicles manufactured on and after the 1st day of October, 2007, that are used as tractor-trailer combinations;
 - (d) M3 categories of buses that ply on All India Tourist Permit, manufactured on and after the 1st day of October, 2007.]

[Provided that vehicles of category M3, N3 and N2 other than tractor-trailer combination meant for carrying hazardous goods and liquid petroleum gas, manufactured on and from 1st day of April, 2021 in the case of new models and 1st day of April, 2022 in case of all models, shall be fitted with Anti-Lock Braking System conforming to IS: 11852:2013, as amended from time to time.

(10) M1 and N1 categories of vehicles manufactured on and after, 1st day of April, 2021 in the case of new models and 1st day of April, 2022 in case of all models, and if provided with Electronic Stability Control Systems shall meet the requirements as specified in AIS:133-2016, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).

(11) M1 and N1 categories of vehicles if provided with Brake Assist System manufactured, on and after 1st day of April 2021 in the case of new models and 1st day of April, 2022 in case of all models shall conform to AIS: 152:2018 amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).

► **OMITTED RULE:**

1. [x x x x] : Proviso Omitted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993)
[Download GSR 338(E)]
2. [other than agricultural tractors,] : Inserted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]
3. [Every motor vehicle manufactured on and after the 1st day of April, 2006 shall have a braking system whose performance shall conform to the following Indian Standard, namely:—] : Inserted by GSR 589(E), dt. 16/09/2005 (w.e.f. 16/09/2006). [Download GSR 589(E)]
4. [two-wheelers, three-wheelers, E-rickshaw and E-cart] : Substituted for the words "two wheelers and three wheelers" by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014).
[Download GSR 709(E)]
5. For three wheelers manufactured on and after the 1st day of April, 2020 as per IS: 14664:2010, as amended from time to time. : Inserted by GSR 1192(E), dt. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]
6. : Inserted by GSR 1192(E), dt. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]
7. (ib) for two wheelers manufactured on and after six months from the date of notification or the 1st day of April or October, whichever comes earlier; as per IS: 14664:2010, as amended from time to time. : Inserted by GSR 1192(E), dt. 10/12/2018

(w.e.f. 11/12/2018). [Download GSR 1192(E)]

8. [two-wheelers, three-wheelers, E-rickshaws and E-carts], : Substituted for the words "agricultural tractors, power tillers" by GSR 709(E), dt. 08/10/2014 (w.e.f. 08/10/2014). [Download GSR 709(E)]

9. [x x x x] : Proviso Omitted by GSR 225(E), dt. 26/03/2015 (w.e.f. 26/03/2015). [Download GSR 225(E)]

10. Provided further that Braking System other than Anti-Lock Braking for M1 category of vehicles manufactured, on and from 1st day of April, 2021 in the case of new models and 1st day of April, 2022 in case of all models, shall conform to IS 15986:2015 or AIS:151:2018 as amended from time to time: : Inserted by GSR 173(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 173(E)]

11. Provided also that Braking System other than Anti-Lock Braking for M2, M3, N1, N2, N3 categories of vehicles manufactured, on and after 1st day of April, 2021 in case of new models and 1st day of April, 2022 in case of all models, shall conform to IS 11852:2013, as amended from time to time: Provided also that the motor vehicle categories for which Endurance Braking System Test (Type-II A test) is applicable as per IS 11852:2013 and manufactured on and after 1st day of April, 2022 shall comply with the Endurance Braking System Test (Type-II A test) as specified in IS 11852:2013 amended from time to time: : Inserted by GSR 173(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 173(E)]

12. Provided also that Braking System other than Anti-Lock Braking for N1 category of vehicles conforming to IS 15986:2015 or AIS 151:2018 as amended from time to time shall be deemed to comply with the requirements of IS 11852:2013. : Inserted by GSR 173(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 173(E)]

13. Notwithstanding contained in clause (i) of sub-rule (4), -- : Inserted by GSR 310(E), dt. 16/03/2016 (w.e.f. 16/03/2016). [Download GSR 310(E)]

14. New vehicle models of category L2 with; (i) engine capacity \leq 125 cc; (ii) maximum continuous rated or net power \leq 11 kw; and (iii) power/weight ratio \leq 0.1 kw/kg, manufactured on and after the 1st April, 2018 shall be fitted with anti-lock braking system or combined braking system conforming to IS: 14664: 2010: Existing models of category L2 with: (i) engine capacity \leq 125 cc; (ii) maximum continuous rated or net power \leq 11 kw; and (iii) power/weight ratio \leq 0.1 kw/kg, manufactured on and after the 1st April, 2019 shall be fitted with anti-lock braking system or combined braking system conforming to IS: 14664: 2010: : Inserted by GSR 310(E), dt. 16/03/2016 (w.e.f. 16/03/2016).

[Download GSR 310(E)]

15. Provided that all other category of two wheeled vehicles which does not fall in the criteria as mentioned above in Clause (a) and (b) shall be fitted with anti-lock braking system confirming to IS:14664: 2010 on and after the 1st April, 2018 for new models and manufactured on and after the 1st April, 2019 for existing models. : Inserted by GSR 310(E), dt. 16/03/2016 (w.e.f. 16/03/2016). [Download GSR 310(E)]

16. The motor vehicles of category M1 and M2 shall— : Inserted by GSR 120(E), dt. 10/02/2017 (w.e.f. 10/02/2017). [Download GSR 120(E)]

17. on and after the 1st April 2018, in the case of new models; and manufactured on and after the 1st April 2019, in the case of all models. : Inserted by GSR 120(E), dt. 10/02/2017 (w.e.f. 10/02/2017). [Download GSR 120(E)]

18. be fitted with Anti-lock braking system as per IS:15986:2015 or AIS:151:2018, as amended from time to time, specifications in case of Category M1 vehicles and per IS: 11852:2003 (Part -9), specifications in case of Category M2 vehicles. : Inserted by GSR 120(E), dt. 10/02/2017 (w.e.f. 10/02/2017). [Download GSR 120(E)]

19. Provided that vehicles of category M2 manufactured on and from 1st day of April, 2021, in case of new models and 1st day of April, 2022, in case of all models, shall be fitted with Anti-Lock Braking System conforming to the IS 11852:2013 as amended from time to time. : Inserted by GSR 173(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 173(E)]

20. [x x x x] : Inserted by GSR 173(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 173(E)]

21. [x x x x] : Inserted by GSR 173(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 173(E)]

22. [: Substituted by GSR 99(E), dt. 19/02/2014 (w.e.f. 01/10/2014). [Download GSR 99(E)]

23. In the case of motor vehicles, other than three-wheelers of gross vehicle weight not exceeding 1000kgs. And motor cycles, the service brake shall be acting on all the wheels of the vehicle. : Substituted by GSR 99(E), dt. 19/02/2014 (w.e.f. 01/10/2014). [Download GSR 99(E)]

24. The service braking system in the case of vehicle other than three-wheelers and motor cycles, and the braking system operated by one of the means of operation other than the parking brake in the case of three-wheelers and motor cycles shall be capable to bring the vehicles to halt within the distance specified in the following Table when

tested in accordance to the condition prescribed correspondingly in the Table. The test shall be conducted on a dry level hard road in good condition. During the test the accelerator control shall be fully released and in the case of vehicles with manual gear shifting control, the top gear and the clutch shall be engaged. : Substituted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]

25. Puller Tractor : Inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

26. The following category of vehicles shall be fitted with Anti-Lock Braking System conforming to IS:11852:2003 (Part 9):— : Sub Rule (9) inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

27. [x x x] : Omitted the words "and N3" by G.S.R 389(E), dated 09-06-2014 (w.e.f. 09-06-20014). [Download GSR 389(E)]

28. [New models of M3 and N3 categories of vehicles manufactured on and after the 1st April, 2015; : Substituted by G.S.R 389(E), dated 09-06-2014 (w.e.f. 09-06-20014). [Download GSR 389(E)]

29. : Substituted by G.S.R 389(E), dated 09-06-2014 (w.e.f. 09-06-20014). [Download GSR 389(E)]

30. : Substituted by G.S.R 389(E), dated 09-06-2014 (w.e.f. 09-06-20014). [Download GSR 389(E)]

31. : Substituted by G.S.R 389(E), dated 09-06-2014 (w.e.f. 09-06-20014). [Download GSR 389(E)]

32. Existing models of M3 and N3 categories of vehicles manufactured on and after the 1st October, 2015;] : Substituted by G.S.R 389(E), dated 09-06-2014 (w.e.f. 09-06-20014). [Download GSR 389(E)]

33. [The following categories of vehicles manufactured prior to the dates specified in clauses (ii) and (iii) shall be fitted with Anti-lock Braking System conforming to IS: 11852:2003 (Part 9); : Clause (iv) substituted by G.S.R 52(E), dated 23-01-2015 (w.e.f. 23-01-20015). [Download GSR 52(E)]

34. [Provided that vehicles of category M3, N3 and N2 other than tractor-trailer combination meant for carrying hazardous goods and liquid petroleum gas, manufactured on and from 1st day of April, 2021 in the case of new models and 1st day of April, 2022 in case of all models, shall be fitted with Anti-Lock Braking System conforming to IS: 11852:2013, as amended from time to time. : Inserted by GSR 173(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 173(E)]

35. (10) M1 and N1 categories of vehicles manufactured on and after, 1st day of April, 2021 in the case of new models and 1st day of April, 2022 in case of all models, and if provided with Electronic Stability Control Systems shall meet the requirements as specified in AIS:133-2016, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016). :

Inserted by GSR 173(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 173(E)]

36. (11) M1 and N1 categories of vehicles if provided with Brake Assist System manufactured, on and after 1st day of April 2021 in the case of new models and 1st day of April, 2022 in case of all models shall conform to AIS: 152:2018 amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).] : Inserted by GSR 173(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 173(E)]

Rule 96-A ~ Brakes for construction equipment vehicle.

(1) Construction equipment Vehicle with hydrostatic transmission shall employ either hand or foot operated hydrostatic braking system both for service and parking brake system acting at least on two wheels on the same axle or drum.

(2) The braking system shall be of a strength capable of stopping the vehicle within the distance specified in sub-rule(8) and of holding it at rest in all conditions, and all such brakes shall at all times be properly conducted and maintained in efficient condition.

(3) In every construction equipment vehicle, other than those having hydrostatic transmission, the brakes operated by any of the means of operation shall act directly upon the wheel or at a suitable location in the power train provided that such an action does not disengage, disengage or isolate the braking action from the wheels.

(4) Every construction equipment vehicle which manufactured on or after the Commencement of the Motor Vehicles (Sixth Amendment) Rules, 2000, shall have a braking system whose performance shall conform to the test and stopping distance formula as specified in sub-rule(7)].

(5) The braking system or one of the braking systems of construction equipment vehicle, shall be so constructed and maintained that it can effectively prevent at least two wheels or drums from revolving when the vehicle is left unattended and it shall be designed to be applied through hand or foot or automatically when engine is not running.

(6) In the case of construction equipment vehicles with four or more than four wheels, the service brake shall work on at least two wheels of the vehicle.

(7) The service braking system of the construction equipment vehicle shall be capable of bringing the vehicle to a halt within the stopping distance as calculated by the formula given below, when tested in unladen condition and attachment carry position at a speed corresponding to 80 per cent. of the design maximum speed. The test shall be conducted in the forward direction of travel on a dry level hard road in good condition and during the test the acceleration control or travel shall be fully released and in the case of vehicle with manual gear shifting control, the top gear and the clutch shall be engaged.

STOPPING DISTANCE FORMULA

$$S \leq 0.15V + (V^2/130),$$

Where S is the Stopping distance in metres,

V is the test speed corresponding to 80% of design maximum speed in Km/h,

Control force $F \leq 700$ Newtons.

Explanation: For the purposes of this sub-rule, "unladen" means the construction equipment vehicle in travel mode without any load except the driver and another person for the specific purpose of supervising the test and the instruments, if any:

Provided that while the stopping distance formula mentioned above remain unchanged, the construction equipment using hydrostatic transmission, the brake test shall be performed by positioning the gear change lever to the neutral position.]

[Provided further that construction equipment vehicle manufactured on and after the 1st day of April, 2021 shall be provided with the braking system having performance requirements stipulated in AIS:143-2017 as amended from time to time.]

1. Construction equipment Vehicle with hydrostatic transmission shall employ either hand or foot operated hydrostatic braking system both for service and parking brake system acting at least on two wheels on the same axle or drum. : Inserted by G.S.R 642(E), dated 28-07-2000 (w.e.f. 28-07-2000) [Download GSR 642(E)]
2. (2) The braking system shall be of a strength capable of stopping the vehicle within the distance specified in sub-rule(8) and of holding it at rest in all conditions, and all such

brakes shall at all times be properly conducted and maintained in efficient condition. (3)

In every construction equipment vehicle, other than those having hydrostatic transmission, the brakes operated by any of the means of operation shall act directly upon the wheel or at a suitable location in the power train provided that such an action does not disengage, disengage or isolate the braking action from the wheels. : Inserted by G.S.R 642(E), dated 28-07-2000 (w.e.f. 28-07-2000) [Download GSR 642(E)]

3. (4) Every construction equipment vehicle which manufactured on or after the Commencement of the Motor Vehicles (Sixth Amendment) Rules, 2000, shall have a braking system whose performance shall conform to the test and stopping distance formula as specified in sub-rule(7)]. : Inserted by G.S.R 642(E), dated 28-07-2000 (w.e.f. 28-07-2000) [Download GSR 642(E)]

4. The service braking system of the construction equipment vehicle shall be capable of bringing the vehicle to a halt within the stopping distance as calculated by the formula given below, when tested in unladen condition and attachment carry position at a speed corresponding to 80 per cent. of the design maximum speed. The test shall be conducted in the forward direction of travel on a dry level hard road in good condition and during the test the acceleration control or travel shall be fully released and in the case of vehicle with manual gear shifting control, the top gear and the clutch shall be engaged. : Substituted by G.S.R 116(E), dated 27-02-2002 (w.e.f. 27-02-2002

5. [Provided further that construction equipment vehicle manufactured on and after the 1st day of April, 2021 shall be provided with the braking system having performance requirements stipulated in AIS:143-2017 as amended from time to time.] : Inserted by GSR 673(E), dt. 27/10/2020 (w.e.f. 27/10/2020). [Download GSR 673(E)]

Rule 96-B ~ High Speed Braking Requirements.

[For high speed braking, the following test rocedure shall be followed, namely:—

(a) In the case of Category M-I, the P type, service brake test as defined under IS:11852- 2001 —Part3, shall be carried out in the engine connected mode at a test speed of 120km/horat80% of the design maximum speed of the vehicle, which ever is lower.

(b) The stopping distance requirements shall be according to the following formula, namely:—

$$S \leq 0.1V + (V^2/130),:$$

where, S is the Stopping Distance in mtrs.

V is the test speed in km/h, and

Control force - 500 Newtons.

Provided that this sub-rule shall be applicable in case of new vehicles yet to be type approved after six months, and in case of already type approved vehicles, twelve months, from the date of the commencement of the Central Motor Vehicles (Third Amendment) Rules, 2002.]

[Provided further that M1 category of vehicles manufactured on and from 1st day of April, 2021 in case of new models and 1st day of April, 2022 in case of all models, having braking system conforming to IS 15986:2015 or AIS:151:2018, as amended from time to time, shall be deemed to comply with the requirements of this rule.]

1. [For high speed braking, the following test procedure shall be followed, namely:— : Rule 96B inserted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]
2. [Provided further that M1 category of vehicles manufactured on and from 1st day of April, 2021 in case of new models and 1st day of April, 2022 in case of all models, having braking system conforming to IS 15986:2015 or AIS:151:2018, as amended from time to time, shall be deemed to comply with the requirements of this rule.] : Inserted by GSR 173(E), dt. 01/03/2019 (w.e.f. 01/03/2019). [Download GSR 173(E)]

Rule 96-C ~ Brakes for agricultural tractor.

[The braking system of the agricultural tractor shall conform to IS: 12061-1994 and IS: 12207-1999, as amended from time to time.]

Provided that every agricultural tractor manufactured on or after the 1st February, 2016 and coupled with agricultural trailer, shall meet the following requirements to facilitate agricultural trailer having hydraulic brake system as per AIS:043-2005 specification, [x x x] namely:-

- a. a hydraulic pump and valve with suitable pipe connections on the tractor;
- b. a hydraulic piping and pressure lines on the tractor supplied by the Original Equipment Manufacturer (OEM) as accessories, to be fitted on the tractor by their dealers which

shall be terminated at the rear end of the tractor, to facilitate tapping of hydraulic line for trailer;

- c. the hydraulic line pressure available at the rear end of the tractor shall be clearly specified by the manufacturer for each type and model of the tractor in the owner's manual;
- d. the tractor shall have the minimum provision for connecting the trailer brake actuation cable or linkage.]

1. [The braking system of the agricultural tractor shall conform to IS: 12061-1994 and IS: 12207-1999, as amended from time to time. : Rule 96C inserted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]
2. [x x x] : The words "referred to in sub-rule (3) of rule 97" omitted by GSR 1464(E), dt. 27/11/2017 (w.e.f. 27/11/2017). [Download GSR 1464(E)]

Rule 96-D ~ Braking requirements for power tillers.

[The power tillers when coupled to a trailer shall meet the following requirements, namely:—

- i. the brake test for the power tiller coupled to a trailer shall be carried out with a gross combination weight not exceeding 1.5 tons as declared by the manufacturer;
- ii. The brake test shall be conducted at a speed of 15 km/h to meet the stopping distance requirement of 7.5 metres with the pedal effort not exceeding 600N;
- iii. The trailer coupled to the power tiller shall be fitted with a parking brake capable of holding the combination on an up-slope and down-slope gradient of 12%.]

1. [The power tillers when coupled to a trailer shall meet the following requirements, namely:— : Rule 96D inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

Rule 96-E ~ Brakes for combine harvester.

(1) The brakes test shall be conducted in forwarded direction on dry hard road in good condition with the clutch disengage and cutter bar trailer with header assembly attached to reel of combine harvester.

(2) The service braking system of the unladen combine harvester shall be capable of bringing the vehicle to a halt within a specified stopping distance when brake is applied at the standard test speed as mentioned in the Table below:

TABLE :

SL No.	Type of Combine	Load (Unloader)	Test Speed	Stopping Distance
1	Self propelled Combine Harvester	-	20 km/h or max speed whichever is less	10 meter
2	Tractor powered Combine Harvester	-	24 km/h or max speed whichever is less	10 meter

Maximum pedal force should not be more than 600N.

1. The brakes test shall be conducted in forwarded direction on dry hard road in good condition with the clutch disengage and cutter bar trailer with header assembly attached to reel of combine harvester. : Rule 96E inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

Rule 97 ~ Brakes for trailers.

(1) [Every trailer including modular hydraulic trailer], other than a tractor-drawn trailer, having five hundred kilograms and more of weight] shall have an efficient braking system which are capable of being applied when it is being drawn,—

- i. In the case of trailer having not more than two axles, to atleast all the wheels of one axle; or
- ii. In the case of a trailer having more than two axles, to at least all the wheels of two axles:

Provided that the braking system shall be so constructed that it is not rendered in effective by then on-rotation of the engine of the drawing vehicle.

(2) The provision of sub-rule (1) shall not apply to,—

- i. Any land implement drawn by a motor vehicle;
- ii. trailer designed for use and used by a local authority for street cleansing or by the fire service for fire fighting, which does not carry any load other than its necessary gear and equipment;
- iii. any disabled vehicle which is being drawn by a motor vehicle in consequence of its disablement.

(3) [\[x x x x\]](#)

► **OMITTED RULE:**

1. [Every trailer including modular hydraulic trailer], : Substituted for the words "Every trailer" by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]
2. [x x x x] : Clause (3) omitted by GSR 1464(E), dt. 27/11/2017 (w.e.f. 27/11/2017). [Download GSR 1464(E)]

Rule 98 ~ Steering gears.

(1) The steering gear of every motor vehicle shall be maintained in good and sound condition, free from back-lash exceeding 30 degrees on the steering wheel, all [\[ball joints connecting the steering linkage.\]](#) shall be protected by rubber caps and where the connections are secured with bolts or pins, the bolts or pins shall be effectively locked.

(2) [On and after the 1st day of April, 2019, the steering gear of motor vehicles of categories L, M, and N, shall conform to the Indian Standard IS: 12222-2011, as amended from time to time.](#)

(3) On and after 1st May, 2003, the steering effort of all motor vehicles other than three-wheelers not fitted with steering wheel, motor cycles, [\[and invalid carriages\]](#) manufactured

shall conform to the Indian Standard IS:11948-1999, as amended from time to time.]

[Provided that on and after the 1st day of April, 2019 the steering effort of all motor vehicles other than three wheelers not fitted with steering wheel, motor cycles and invalid carriages manufactured, shall conform to the Indian Standard IS: 11948-2010, as amended from time to time]

(3A) [On and after 1st October 2014, the steering effort of quadricycle shall conform to Indian Standards IS 11948-1999, as amended from time to time.]

(4) Every heavy passenger motor vehicle manufactured after expiry of six month from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 2000 (including the date of such commencement), shall be fitted with power steering gears.]

(5) [The power steering shall be fitted in,—

a. the Category N3 multi-axle vehicles on and from 1st May, 2004; and

b. other than multi-axle vehicles of Category N3 on and from 1st December, 2004.]

1. [ball joints connecting the steering linkage,] : Substituted by GSR 338(E), dated 26-03-1993, (w.e.f 26-03-1993). [Download GSR 338(E)]

2. On and after the 1st day of April, 2019, the steering gear of motor vehicles of categories L, M, and N, shall conform to the Indian Standard IS: 12222-2011, as amended from time to time. : Substituted by GSR 1463(E), dt. 27/11/2017 (w.e.f. 27/11/2017). [Download GSR 1463(E)]

3. [and invalid carriages] : Substituted by GSR 111(E), dt. 10/02/2004 for the words "invalid carriages and agriculture tractors" (w.e.f. 10/08/2004). [Download GSR 111(E)]

4. [Provided that on and after the 1st day of April, 2019 the steering effort of all motor vehicles other than three wheelers not fitted with steering wheel, motor cycles and invalid carriages manufactured, shall conform to the Indian Standard IS: 11948-2010, as amended from time to time] : Inserted by GSR 1463(E), dt. 27/11/2017 (w.e.f. 27/11/2017). [Download GSR 1463(E)]

5. [On and after 1st October 2014, the steering effort of quadricycle shall conform to Indian Standards IS 11948-1999, as amended from time to time.] : Inserted by GSR 99(E), dt. 19/02/2014 (w.e.f. 19/02/2014). [Download GSR 99(E)]

6. [The power steering shall be fitted in,— : Rule (5) substituted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]

7. : Rule (5) substituted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]
8. the Category N3 multi-axle vehicles on and from 1st May, 2004; and : Rule (5) substituted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]
9. : Rule (5) substituted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]
10. other than multi-axle vehicles of Category N3 on and from 1st December, 2004.] : Rule (5) substituted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]

Rule 98A ~ Steering gears for construction equipment vehicles.

(1) The steering system of every construction vehicle shall be maintained in good and sound condition, with backlash not exceeding 30 degrees on the steering wheel when tested with the engine running; ball-joints connecting the steering linkage of the mechanical steering system shall be protected by rubber caps and where the connections are secured with bolts or pins, the bolts or pins shall be effectively locked; in the case of hydrostatic steering system the moving parts shall be effectively sealed and protected from dust ingress.

(2) The steering system of the construction equipment vehicle shall be adequately designed to ensure efficient and effective control of the vehicle under all the driving conditions and shall be so constructed as to conform to the Indian Standards IS:12222- (1987), as modified from time to time.

[Provided that construction equipment vehicle manufactured on and after the 1st day of April 2021, shall be adequately designed to ensure efficient and effective control of the vehicle under all driving conditions so that the vehicle is able to steer within a turning circle diameter of 24 meters, conforming to the test procedure specified in IS/ISO: 7457:1997 as amended from time to time, however in case of self-propelled tandem drum and single drum vibratory compactors, the turning circle radius and turning circle requirements shall be measured as per IS:5500 - Part 1 and Part 2, respectively.]

(3) The steering effort of the construction equipment vehicles during normal Unladen operation shall not exceed 11.7 kg push/pull for hydrostatic steering system and 20 kg for manual steering wheel system when evaluated as per clauses 5.1 to 5.4 of Indian Standards IS: 11948-(1986) as specified by the Bureau of Indian Standards.]

[Provided that construction equipment vehicle manufactured on and after the 1st day of April 2021, shall be adequately designed to ensure efficient and effective control of the vehicle under all driving conditions so that the vehicle is able to steer within a turning circle diameter of 24 meters, conforming to the test procedure specified in IS/ISO: 7457:1997 as amended from time to time, however in case of self-propelled tandem drum and single drum vibratory compactors, the turning circle radius and turning circle requirements shall be measured as per IS:5500 - Part 1 and Part 2, respectively.]

1. The steering system of every construction vehicle shall be maintained in good and sound condition, with backlash not exceeding 30 degrees on the steering wheel when tested with the engine running; ball-joints connecting the steering linkage of the mechanical steering system shall be protected by rubber caps and where the connections are secured with bolts or pins, the bolts or pins shall be effectively locked; in the case of hydrostatic steering system the moving parts shall be effectively sealed and protected from dust ingress. : Rule 98A inserted by GSR 642(E), dt. 28/07/2000 (w.e.f. 28/07/2000) [Download GSR 642(E)]
2. [Provided that construction equipment vehicle manufactured on and after the 1st day of April 2021, shall be adequately designed to ensure efficient and effective control of the vehicle under all driving conditions so that the vehicle is able to steer within a turning circle diameter of 24 meters, conforming to the test procedure specified in IS/ISO: 7457:1997 as amended from time to time, however in case of self-propelled tandem drum and single drum vibratory compactors, the turning circle radius and turning circle requirements shall be measured as per IS:5500 - Part 1 and Part 2, respectively.] : Inserted by GSR 673(E), dt. 27/10/2020 (w.e.f. 27/10/2020). [Download GSR 673(E)]
3. [Provided that construction equipment vehicle manufactured on and after the 1st day of April 2021, shall be adequately designed to ensure efficient and effective control of the vehicle under all driving conditions so that the vehicle is able to steer within a turning circle diameter of 24 meters, conforming to the test procedure specified in IS/ISO: 7457:1997 as amended from time to time, however in case of self-propelled tandem drum and single drum vibratory compactors, the turning circle radius and turning circle requirements shall be measured as per IS:5500 - Part 1 and Part 2, respectively.] : Inserted by GSR 673(E), dt. 27/10/2020 (w.e.f. 27/10/2020). [Download GSR 673(E)]

Rule 98B ~ Steering Gears for agricultural tractors.

(1) The steering gear of agricultural tractor shall be maintained in good and sound condition, free from backlash exceeding 30 degrees on the steering wheels. All ball joints connecting the steering linkage shall be protected by rubber caps and where the connections are secured with bolts, or pins, the bolts or pins shall be effectively locked.

(2) The turning circle diameter and turning circle clearance diameter of every agricultural tractor shall conform to IS:11859-1986, as amended from time to time.

(3) The steering effort requirement of agricultural tractor shall conform to Automotive Industry Standard (AIS):042 as amended from time to time, till such time the corresponding BIS standard is notified.]

1. The steering gear of agricultural tractor shall be maintained in good and sound condition, free from backlash exceeding 30 degrees on the steering wheels. All ball joints connecting the steering linkage shall be protected by rubber caps and where the connections are secured with bolts, or pins, the bolts or pins shall be effectively locked. : Rule 98B inserted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]

Rule 98C ~ Steering gear for power tillers.

The turning circle diameter and the turning clearance circle diameter of power tillers coupled to trailers, when measured as per IS:12222:1987, as amended from time to time, shall not exceed 10 metres.

1. The turning circle diameter and the turning clearance circle diameter of power tillers coupled to trailers, when measured as per IS:12222:1987, as amended from time to time, shall not exceed 10 metres. : Rule 98C inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

Rule 98D ~ Steering gears for combine harvester.

(1) [The turning clearance circle diameter of combine harvester, coupled to the trailer for header assembly, if any, when measured as per IS: 11859-2004, as amended from time to time, shall not exceed 20 meters, without brake condition.

(2) The steering effort requirement of combine harvester shall conform to AIS : 042-2004, as amended from time to time, till such time the corresponding Bureau of Indian Standard is

[notified.\]](#)

1. [The turning clearance circle diameter of combine harvester, coupled to the trailer for header assembly, if any, when measured as per IS: 11859-2004, as amended from time to time, shall not exceed 20 meters, without brake condition. : Rule 98D inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]
2. : Rule 98D inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]
3. (2) The steering effort requirement of combine harvester shall conform to AIS : 042-2004, as amended from time to time, till such time the corresponding Bureau of Indian Standard is notified.] : Rule 98D inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

Rule 99 ~ Forward and backward motion.

Every motor vehicle including construction equipment vehicle and agriculture tractor and combine harvester other than a motor cycle and three-wheeled invalid carriages, shall be capable of moving under its own power in the reverse direction also.

[Provided that power tillers with a riding attachment and power tillers coupled to trailers shall be capable of moving under its own power in the reverse direction also.](#)

1. Provided that power tillers with a riding attachment and power tillers coupled to trailers shall be capable of moving under its own power in the reverse direction also. : Proviso inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2006). [Download GSR 589(E)]

Rule 100 ~ Safety glass.

(1) [\[The windscreen and window glass of every motor vehicle including agriculture tractor fitted with cabin, construction equipment vehicle fitted with cabin and combine harvester shall be made of safety glass or safety glazing material:](#)

[Provided that in L5 category vehicles \(three wheelers\) and vehicles with hood and side coves, the window glass may be made of acrylic or plastic transparent sheet.](#)

Explanation.– For the purposes of this rule,

- i. safety glass or safety glazing means the materials confirming to IS 2553 (Part 2) (Revision 1): 2019;
- ii. windscreen and window glass of motor vehicle, the inner surface of which is at an angle more than thirty degrees to longitudinal axis of the vehicles, shall be deemed to face to the front.]

(2) [The safety glass or safety glazing of the windscreen and rear window of every motor vehicle shall be so manufactured to provide not less than seventy percent visual transmission of light and it shall conform to Indian Standards IS 2553 (Part 2) (Revision 1): 2019 as amended from time to time.

(3) The safety glass or safety glazing used for side windows of every motor vehicle shall be so manufactured to provide not less than fifty percent visual transmission of light and it shall conform to Indian Standards IS 2553 (Part 2) (Revision 1): 2019 as amended from time to time.

(4) The owner of every motor vehicle shall maintain the visual transmission of light through safety glass or safety glazing as specified in sub- rule (2) and sub-rule (3).]

(3C) [In cases where any manufacturer has complied with the provisions of this rule as they exist till the 31st March, 2021, such manufacturer may continue to do so till the 31st March, 2022, and in that situation it shall be presumed as if the provisions of clause (b) of rule 2 of the Central Motor Vehicles (Seventh Amendment) Rules, 2020, come into force, on the 01st April, 2023:

Provided that the manufacturers who comply with the provisions of this rule as they exist on the 1st April, 2021, they shall continue to do so.]

(4) Notwithstanding anything contained in this rule if the Central Government is of the opinion that it is necessary and expedient to do so in public interest, it may, by order published in the Official Gazette, exempt any motor vehicle including construction equipment vehicle for use by any person, from the provisions of this rule.

► **OLD RULE :**

1. [The windscreen and window glass of every motor vehicle including agriculture tractor fitted with cabin, construction equipment vehicle fitted with cabin and combine harvester shall be made of safety glass or safety glazing material: : Sub-Rules 1 to 3B substituted by G.S.R. 457(E). dated 20/07/2020 - (w.e.f. 01/04/2021). [Download GSR 457(E)]
2. Provided that in L5 category vehicles (three wheelers) and vehicles with hood and side coves, the window glass may be made of acrylic or plastic transparent sheet.
Explanation.— For the purposes of this rule, : Sub-Rules 1 to 3B substituted by G.S.R. 457(E). dated 20/07/2020 - (w.e.f. 01/04/2021). [Download GSR 457(E)]
3. safety glass or safety glazing means the materials confirming to IS 2553 (Part 2) (Revision 1): 2019; : Sub-Rules 1 to 3B substituted by G.S.R. 457(E). dated 20/07/2020 - (w.e.f. 01/04/2021). [Download GSR 457(E)]
4. : Sub-Rules 1 to 3B substituted by G.S.R. 457(E). dated 20/07/2020 - (w.e.f. 01/04/2021). [Download GSR 457(E)]
5. windscreen and window glass of motor vehicle, the inner surface of which is at an angle more than thirty degrees to longitudinal axis of the vehicles, shall be deemed to face to the front.] : Sub-Rules 1 to 3B substituted by G.S.R. 457(E). dated 20/07/2020 - (w.e.f. 01/04/2021). [Download GSR 457(E)]
6. [The safety glass or safety glazing of the windscreen and rear window of every motor vehicle shall be so manufactured to provide not less than seventy percent visual transmission of light and it shall conform to Indian Standards IS 2553 (Part 2) (Revision 1): 2019 as amended from time to time. : Sub-Rules 1 to 3B substituted by G.S.R. 457(E). dated 20/07/2020 - (w.e.f. 01/04/2021). [Download GSR 457(E)]
7. (3) The safety glass or safety glazing used for side windows of every motor vehicle shall be so manufactured to provide not less than fifty percent visual transmission of light and it shall conform to Indian Standards IS 2553 (Part 2) (Revision 1): 2019 as amended from time to time. : Sub-Rules 1 to 3B substituted by G.S.R. 457(E). dated 20/07/2020 - (w.e.f. 01/04/2021). [Download GSR 457(E)]
8. (4) The owner of every motor vehicle shall maintain the visual transmission of light through safety glass or safety glazing as specified in sub- rule (2) and sub-rule (3).] : Sub-Rules 1 to 3B substituted by G.S.R. 457(E). dated 20/07/2020 - (w.e.f. 01/04/2021). [Download GSR 457(E)]
9. [In cases where any manufacturer has complied with the provisions of this rule as they exist : Sub Rule 3C inserted by S.O 1407(E), dated 30-03-2021 (w.e.f. 01-04-2023 as per SO 1533(E)). [Download GSR 240(E)]

10. till the 31st March, 2021, such manufacturer may continue to do so till the 31st March, 2022, and in that situation it shall be presumed as if the provisions of clause (b) of rule 2 of the Central Motor Vehicles (Seventh Amendment) Rules, 2020, come into force, on the 01st April, 2023: : Sub Rule 3C inserted by S.O 1407(E), dated 30-03-2021 (w.e.f. 01-04-2023 as per SO 1533(E)). [Download GSR 240(E)]
11. Provided that the manufacturers who comply with the provisions of this rule as they exist on the 1st : Sub Rule 3C inserted by S.O 1407(E), dated 30-03-2021 (w.e.f. 01-04-2021). [Download SO 1407(E)]
12. April, 2021, they shall continue to do so. : Sub Rule 3C inserted by S.O 1407(E), dated 30-03-2021 (w.e.f. 01-04-2021). [Download SO 1407(E)]
13.] : Sub Rule 3C inserted by S.O 1407(E), dated 30-03-2021 (w.e.f. 01-04-2021). [Download SO 1407(E)]

Rule 101 ~ Windscreen wiper.

(1) An efficient power operated windscreen wiper shall be fitted to every motor vehicle having a windscreen, other than three-wheeled invalid carriage [\[and motor cycles\]](#).

(2) One year from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, [\[all motor vehicles other than three-wheelers, motor cycles and invalid carriages manufactured on and after 1st January, 2003 in respect of Category M1 vehicles, and in respect of other vehicles, on and after 1st May, 2003\], having a wind screen shall be fitted with a wind screen wiping system which shall conform to the requirements laid down in the following standards, as amended from time to time, till such time the corresponding Bureau of Indian Standards specifications are notified:](#)

- i. [\[IS:15804-2008\], in the case of M-1 category of vehicle](#)
- ii. [\[IS:15802-2008\], in the case of other vehicles.\]](#)
- iii. [AIS 045/2004, in the case of quadricycles, on and after 1st October, 2014.\]](#)

(2A) [All construction equipment vehicles and combine harvesters\] having windscreen shall be fitted with an efficient power operated windscreen wiping system. The windscreen wiping system shall conform to the requirements of the standards as may be specified from time to time under these rules.](#)

(2B) On and after 1st April, 2015, all agricultural tractors having wind screen shall conform to AIS 011/2001, as amended from time to time till such time the corresponding Bureau of Indian Standards specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

(3) [x x x x]

► **OMITTED RULE:**

1. [and motor cycles]. : Substituted by GSR 589(E), dt. 16/09/2005 for words "motor cycles and three wheelers of engine capacity not exceeding 500cc" (w.e.f. 16/09/2005). [Download GSR 589(E)]
2. [all motor vehicles other than three-wheelers, motor cycles and invalid carriages manufactured on and after 1st January, 2003 in respect of Category M1 vehicles, and in respect of other vehicles, on and after 1st May, 2003], having a wind screen shall be fitted with a wind screen wiping system which shall conform to the requirements laid down in the following standards, as amended from time to time, till such time the corresponding Bureau of Indian Standards specifications are notified: : Substituted by GSR 400(E), dt. 31/05/2002 (w.e.f. 31/05/2002) [Download GSR 400(E)]
3. [IS:15804-2008], in the case of M-1 category of vehicle : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]
4. : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]
5. [IS:15802-2008], in the case of other vehicles.] : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]
6. : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]
7. AIS 045/2004, in the case of quadricycles, on and after 1st October, 2014.] : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]
8. All construction equipment vehicles and combine harvesters] having windscreen shall

be fitted with an efficient power operated windscreen wiping system. The windscreen wiping system shall conform to the requirements of the standards as may be specified from time to time under these rules. : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]

9. : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]

10. (2B) On and after 1st April, 2015, all agricultural tractors having wind screen shall conform to AIS 011/2001, as amended from time to time till such time the corresponding Bureau of Indian Standards specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).] : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]

11. [x x x x] : Omitted by GSR 589(E), dt. 16/09/2005. [Download GSR 589(E)]

Rule 102 ~ Signalling devices, direction indicators and stop lights.

(1) [The signal to turn to the right or to the left shall be given by electrically operated direction indicator lamps on all motor vehicles including construction equipment vehicles and the combined harvester, and such construction equipment vehicles and combine harvester] be fitted and maintained so that the following conditions are met, namely:—

- i. The direction indicator lamps shall be of amber colour which are illuminated to indicate the intention to turn, by a light flashing at the rate of not less than 60 and not more than 120 flashes per minute.
- ii. The light emitted by the lamp when in operation shall be clearly visible from both front and rear of the vehicle.
- iii. The minimum illuminated area of each direction indicator shall be 60 square centimeters:

Provided that nothing contained in this sub-rule shall apply to L1 category of motor cycles.

(2) On all vehicles other than motor cycles, [the intention to stop the vehicle (other than construction equipment vehicle [and the combine harvester] having hydrostatic brakes)] shall be indicated by two electrical stop lamps which shall be red in colour and shall be fitted one on each left and right-hand sides at the rear of the vehicle. The stop lamps shall light up on the actuation of the service brake control. In the case of motor cycle, the intention to stop the

vehicle shall be indicated by one stop lamp at the rear which shall light up on the actuation of the control operating the brakes on the rear wheels.]

(3) One year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1993, the stop lamp of every motor cycle shall be so designed and fitted that it will light up on actuation of any of the controls which actuate the brakes on any wheel.

(4) In the case of modular hydraulic trailer:-

- i. the intention to stop shall be indicated by two electrical stop lamps which shall be red in color and shall be fitted one each on left and right hand sides at the rear of the vehicles;
- ii. The stop lamps shall light up on the actuation of the service brake control of the puller tractor;
- iii. at least two direction indicators of amber colour shall be fitted, which are illuminated to indicate intention to turn by a light and the minimum illuminated area of each indicator shall be 60 sq.cm.

1. [The signal to turn to the right or to the left shall be given by electrically operated direction indicator lamps on all motor vehicles including construction equipment vehicles and the combined harvester, and such construction equipment vehicles and combine harvester] : Substituted by GSR 589(E), dt. 16/09/2005. [Download GSR 589(E)]
2. [the intention to stop the vehicle (other than construction equipment vehicle [and the combine harvester] having hydrostatic brakes)] : Substituted by G.S.R. 642(E), dated 28-7-2000 (w.e.f. 28-7-2000) [Download GSR 642(E)]
3. In the case of modular hydraulic trailer,- : Sub rule (4) inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

Rule 103 ~ Position of the indicator.

(1) A direction indicator shall be fitted and every direction indicator shall be so designed and fitted that the driver of the vehicle including a construction equipment vehicle and the combine harvester when in his driving seat is aware that it is operating correctly.

(2) One year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1993, every motor vehicle including a construction equipment vehicle and the combine harvester other than motor cycles shall be equipped with such a device that when the

vehicle is in an immobilized condition all the direction indicators flash together giving hazard warning to other road users.

Rule 104 ~ Fitment of reflectors.

(1) Every motor vehicle manufactured on and after the 1st day of April, 2006, including trailers and semi-trailers, other than [x x x] motor cycles shall be fitted with two red reflectors, one each on both sides at their rear. Every motor cycle shall be fitted with at least one red reflex reflector at the rear:

Provided that in respect of the vehicles of –

(i) Category N-1 and Category N-2, 3.5 tonnes and above but less than 7.5 tonnes Gross Vehicle Weight, [x x x] shall be affixed at the front with a white-reflective tape and at the rear with a red reflective tape running across the width of the body and the tapes affixed at front and rear shall be not less than 20 mm width and shall conform to the requirement of Annexures 4,5 and 6 of AIS:090-2005 till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(ii) Category N-3 and Category N-2, 7.5 tonnes and above Gross Vehicle Weight, [x x x] shall be affixed at the front with a white reflective tape running across the width of the body and the tape affixed at the front shall not be less than 50 mm width and shall conform to the requirement of Annexures 4, 5 and 6 of AIS:090-2005 till the corresponding BIS specifications are notified under the Bureau of Indian standards Act, 1986 (63 of 1986).

(iii) Category N-3 including trailers or semi-trailers and Category N-2, 7.5 tonnes and above GVW along with trailers or semi-trailers, [x x x] shall be affixed with reflective contour marking at the rear and side in accordance with AIS:090-2005 till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(iv) Category M-2 and M-3, [x x x], shall be affixed at the front with white reflective tape and at the rear with red reflective tape running across the width of the body and the sides of M3 category vehicles shall be affixed with yellow reflective tape running across the length of the body but tapes so affixed shall not be less than 50 mm width and shall conform to Annexure 4, 5 and 6 of AIS:090-2005, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

(v) Three wheeled vehicles including e-rickshaw and e-cart, shall be affixed at the front with a white reflective tape and at the rear with a red reflective tape running across the width of the body and the tapes affixed at the front and rear shall be not less than 20mm width and shall confirm to the requirement of Annexures 4, 5 and 6 of AIS:090-2005, till the corresponding BIS specification are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).

(2) [x x x x]

(3) All trailers including semi-trailers, other than those drawn by three-wheeled tractors shall be fitted with the following reflex reflectors, namely,—

- i. two white reflex reflectors in the front, one each at the right and left corners at a height not exceeding 1500 mm above the ground,
- ii. two red reflex reflectors in the rear, one each at the right and left corners at a height not exceeding 1500 mm above the ground, and
- iii. the area of the reflectors referred to above shall not be less than 28.5 sq.cm. in the case of trailers with overall length exceeding 6 metres and shall not be less than 7 sq. cm. in case of other trailers.

(4) The reflectors referred to in this rule and in rule 110 shall be of reflex type conforming to AIS:057 (Rev. 1):2010 standard as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(5) [x x x x]

► **OMITTED RULE:**

1. [x x x] : Omitted "three-wheelers and" by GSR 807(E) dtd. 23/10/2019 (w.e.f. 01/04/2020). [Download GSR 807(E)]
2. Provided that in respect of the vehicles of – : Substituted by GSR 784(E), dt. 12/11/2008 (w.e.f. 12/11/2008). [Download GSR 784(E)]
3. [x x x] : Omitted "manufactured on and after 1st day of April, 2009," by GSR 807(E) dtd. 23/10/2019 (w.e.f. 01/04/2020). [Download GSR 807(E)]
4. [x x x] : Omitted "manufactured on and after 1st day of April, 2009," by GSR 807(E) dtd. 23/10/2019 (w.e.f. 01/04/2020). [Download GSR 807(E)]

5. [x x x] : Omitted "manufactured on and after 1st day of April, 2009," by GSR 807(E) dtd. 23/10/2019 (w.e.f. 01/04/2020). [Download GSR 807(E)]
6. [x x x] : Omitted "manufactured on and after 1st day of April, 2009," by GSR 807(E) dtd. 23/10/2019 (w.e.f. 01/04/2020). [Download GSR 807(E)]
7. Three wheeled vehicles including e-rickshaw and e-cart, shall be affixed at the front with a white reflective tape and at the rear with a red reflective tape running across the width of the body and the tapes affixed at the front and rear shall be not less than 20mm width and shall conform to the requirement of Annexures 4, 5 and 6 of AIS:090-2005, till the corresponding BIS specification are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016). : Inserted by GSR 807(E) dtd. 23/10/2019 (w.e.f. 23/10/2019). [Download GSR 807(E)]
8. [x x x x] : Omitted by GSR 1192(E) dtd. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]
9. The reflectors referred to in this rule and in rule 110 shall be of reflex type conforming to [AIS:057 (Rev. 1):2010 standard as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986). : Substituted by GSR 1192(E) dtd. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]
10. [x x x x] : Omitted by GSR 1192(E) dtd. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]

Rule 104-A ~ Fitment of reflectors on construction equipment vehicles and combine harvesters.

[All construction equipment vehicles and combine harvesters shall be fitted with—]

(i) two white reflex reflectors in the front of the vehicle on each side and visible to on- coming vehicles from the front at night;

[Provided that in case of combine harvester, the height of front white reflex-reflector shall not be more than 2100 mm above the ground in the case of unobstructed vision from the front and the implement or device shall not obstruct the visibility of the front reflex- reflectors to the oncoming vehicles;]

(ii) two red reflectors in the rear of the vehicle, one each at right and left corners, at a height not exceeding 1500 mm above the ground in the case of unobstructed vision from the rear and

the implement or device shall not obstruct the visibility of the reflectors to the following vehicle;

[Provided that in case of combine harvester, the height shall not exceed 2100 mm above the ground;]

(iii) two sets of amber coloured side reflex reflectors, one each on left hand and right hand sides of the vehicle, one set as close to the front end and the other set as close to the rear end as possible to the basic machine without attachments and if the distance between the two amber side reflex reflectors is more than 3 metres, additional intermediate amber side reflex reflectors shall be fitted so that the distance between any adjacent amber side reflex reflector is not more than 3 metres:

Provided that the fitment of reflex reflectors on the implements such as booms of cranes and arms of shovels, shall not be mandatory. However, wherever possible the fitment of these reflectors may be done considering the working environment/nature of these machines in the fields;

(iv) the reflecting area of each reflex reflector shall not be less than 28.5 sq. cms;

(v) the construction equipment vehicle and combine harvester] shall be fitted with a retro-reflective tape or retro-reflective paint of not less than 20 millimeters width, running across the width of the body at the front and rear, and the colour of the reflective tape or reflective paint shall be white at the front and red at the rear;

(vi) [the reflectors referred to in this sub-rule, shall be of reflex type conforming to Indian Standards IS: 8339 specified by the Bureau of Indian Standards;

(vii) the retro-reflective tape and paint shall be as per clause 801 and 803 of Ministry of Surface Transport (Roads Wing) specifications for Road and Bridge works (3rd Revision, 1995) as amended from time to time.]

1. [All construction equipment vehicles and combine harvesters shall be fitted with—] : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]
2. [Provided that in case of combine harvester, the height of front white reflex-reflector shall not be more than 2100 mm above the ground in the case of unobstructed vision from the front and the implement or device shall not obstruct the visibility of the front reflex- reflectors to the oncoming vehicles;] : Inserted by GSR 212(E), dt.

20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

3. [Provided that in case of combine harvester, the height shall not exceed 2100 mm above the ground;] : Inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

4. [the reflectors referred to in this sub-rule, shall be of reflex type conforming to Indian Standards IS: 8339 specified by the Bureau of Indian Standards; : Inserted by GSR 1192(E), dt. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]

5. : Inserted by GSR 1192(E), dt. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]

6. (vii) the retro-reflective tape and paint shall be as per clause 801 and 803 of Ministry of Surface Transport (Roads Wing) specifications for Road and Bridge works (3rd Revision, 1995) as amended from time to time.] : Inserted by GSR 1192(E), dt. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]

Rule 104-B ~ Fitment of reflectors for agricultural tractors.

(1) Every agricultural tractor manufactured on and after the 1st day of April, 2006 shall be fitted with two non- triangular red reflectors of not less than 7 sq. cm reflecting area one each on both sides at the rear.

(2) The reflectors referred in sub-rule (1) of this rule shall be of the reflex type conforming to AIS:057:2005 till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

1. Every agricultural tractor manufactured on and after the 1st day of April, 2006 shall be fitted with two non- triangular red reflectors of not less than 7 sq. cm reflecting area one each on both sides at the rear. : Rule 104B inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

Rule 104-C ~ Fitment of reflectors on power tillers.

(1) [Every power tiller manufactured on and after the 1st day of October, 2019, shall be fitted with two white reflex reflectors of not less than seven square centimeters reflecting area in front of the power tiller, and one on each side and visible to oncoming vehicles from at night, conforming to AIS-057 (Rev. 1): 2010 standards as amended form time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).]

(2) In the case of trailers attached to power tillers, two red reflectors of not less than 7 sq.cm reflecting area in the rear side, one each at right and left corners, at a height not exceeding 1500 mm above the ground shall also be fitted.

1. [Every power tiller manufactured on and after the 1st day of October, 2019, shall be fitted with two white reflex reflectors of not less than seven square centimeters reflecting area in front of the power tiller, and one on each side and visible to oncoming vehicles from at night, conforming to AIS-057 (Rev. 1): 2010 standards as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).] : Substituted by GSR 1192(E), dt. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]

Rule 104-D ~ Fitment of Rear marking plate.

The following categories of vehicles, [\[x x x x\]](#), [\[shall be fitted with rear marking plate, conforming to AIS 089-2005, as amended from time to time, till such time the corresponding Bureau of Indian Standards specifications are notified under the Bureau of Indian Standards Act, 1986 \(63 of 1986\):-](#)

- i. N2 with gross vehicle weight exceeding 7.5 ton and N3 with the exception of tractors for semi-trailers;
- ii. Trailers and semi trailers having gross vehicle weight not exceeding 10 ton and whose length exceeds 8m;
- iii. Trailers having gross vehicle weight exceeding 10 ton; and
- iv. Articulated buses.

1. [\[x x x x\]](#) : Omitted "manufactured on and after 1st day of April, 2009," by GSR 807(E) dtd. 23/10/2019 (w.e.f. 01/04/2020). [Download GSR 807(E)]

2. [shall be fitted with rear marking plate, conforming to AIS 089-2005, as amended from time to time, till such time the corresponding Bureau of Indian Standards specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986):- : Rule 104D inserted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]

Rule 104-E ~ Fitment of retro-reflective tapes or reflectors and rear marking plate on modular hydraulic trailer.

(1) Every modular hydraulic trailer shall be fitted with two red reflective tapes having width not less than 50 mm at the rear and front and amber reflective tape having width not less than 50 mm on the sides, conforming to AIS:090:2005, as amended from time to time, till the corresponding Bureau of Indian Standard specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(2) Every modular hydraulic trailer shall be fitted with two red reflex reflectors having area not less than 28.5 sq. cm. and shall be fitted one each on left and right hand sides at the rear and front and amber reflex reflector having area not less than 28.5 sq. cm on the sides one set as close to the front end and the other set as close to the rear end as possible, conforming to AIS:057:2005, as amended from time to time till the corresponding Bureau of Indian Standards specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(3) Every Modular hydraulic trailer shall be fitted with rear marking plate confirming to AIS-089.]

1. Every modular hydraulic trailer shall be fitted with two red reflective tapes having width not less than 50 mm at the rear and front and amber reflective tape having width not less than 50 mm on the sides, conforming to AIS:090:2005, as amended from time to time, till the corresponding Bureau of Indian Standard specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986). : Rule 104-D renumbered as 104E thereof by GSR 807(E), dt. 23/10/2019 (w.e.f. 23/10/2019). [Download GSR 807(E)]
2. (2) Every modular hydraulic trailer shall be fitted with two red reflex reflectors having area not less than 28.5 sq. cm. and shall be fitted one each on left and right hand sides at the rear and front and amber reflex reflector having area not less than 28.5 sq. cm on the sides one set as close to the front end and the other set as close to the rear end as possible, conforming to AIS:057:2005, as amended from time to time till the corresponding Bureau of Indian Standards specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986). : Rule 104-D renumbered as 104E thereof by GSR 807(E), dt. 23/10/2019 (w.e.f. 23/10/2019). [Download GSR 807(E)]
3. (3) Every Modular hydraulic trailer shall be fitted with rear marking plate confirming to AIS-089.] : Rule 104-D renumbered as 104E thereof by GSR 807(E), dt. 23/10/2019 (w.e.f. 23/10/2019). [Download GSR 807(E)]

Rule 105 ~ Lamps.

(1) Save as hereinafter provided, every motor vehicle, while being driven in a public place, during the period half an hour after sunset and at any time when there is no sufficient light, shall be lit with the following lamps which shall render clearly discernible persons and vehicles on the road at a distance of one hundred and fifty five metres ahead:—

(a) In the case of motor vehicle other than three-wheelers, three-wheeled invalid carriages and motor cycles, two or four head lamps;

(b) in the case of [x x x] three-wheelers and three-wheeled invalid carriages one or two head lamps;

(bb) [every two wheeler manufactured on and after the 1st April, 2017, shall have one or two head lamps, conforming to the applicable standards in force for performance and installation requirements as notified by the Central Government from time to time vide according to sub-rule (1) of Rule 124, which shall automatically switch on when the engine is running;

Provided that, the above condition of the head lamp being lit when the engine is running is deemed to be satisfied if daytime running lamp is provided, conforming to the applicable standards in force for performance and installation requirements notified by the Central Government from time to time, which shall be lit automatically if the engine is running;

Provided further that the daytime running lamp shall be lit off automatically if the engine is running and the head lamp is switched on;]

(c) in the case of a side car attached to a motor cycle one lamp showing a white light to the front;]

(d) in the case of construction equipment vehicle and combine harvester, two or four lamps showing to the front white light visible from a distance of one hundred and fifty five metres ahead.]

(2) Every such motor vehicle other than a [x x x x] three-wheeler shall also carry—

- i. two lamps (hereinafter referred to as the rear lamp) showing to the rear a red light visible in the rear from a distance of one hundred and fifty-five metres; and in the case of a motor cycle one lamp showing a red light to the rear visible from a distance of seventy- five metres]; and

- ii. lamp, which may be the rear lamp or some other device, illuminating with a white light the whole of the registration mark exhibited on the rear of the vehicle including construction equipment vehicle and combine harvester, and on the side in the case of construction equipment vehicle and combine harvester so as to render it legible from a distance of fifteen metres to the rear:

Provided that when a motor vehicle is drawing another vehicle or vehicles and the distance between such vehicles does not exceed 1.5 metres, it shall be sufficient if the last drawn vehicle carries a rear lamp or a lamp illuminating the rear registration mark:

Provided further that every construction equipment vehicle and combine harvester shall also carry two lamps showing to the rear red lights visible in the rear from a distance of one hundred and fifty- five metres.

(3) On and from the commencement of the Central Motor Vehicles (Amendment) Rules, 1993, all the obligatory front head lamps of a motor vehicle other than motor cycles shall be as nearly as possible of the same power and fixed at a height as specified in Indian Standards IS: 8415—1977] (clause 4.1):

Provided that in the case of four-wheel drive cross country vehicles, the maximum height of the said front head lamps may be as per limits specified in Indian Standards 37[IS: 8415—1977] (clause 4.1.1):

[x x x x]

Provided further that on and from the commencement of the Central Motor Vehicles (Amendment) Rules, 1993, all vehicles other than three-wheelers of engine capacity less than 500 cc, motor cycles and three-wheeled invalid carriages manufactured shall be fitted with two rear lamps showing red light to the rear.

(3A) On and from the commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, all the obligatory front head lamps of a construction equipment vehicle shall be as nearly as possible of the same power and fixed at a height so that front visibility is maintained and farthestmost point of equipment/attachment is clearly seen by on-coming traffic

(3B) [All the obligatory front head lamps of a combine harvester shall be as nearly as possible of the same power and fixed at a height so that front visibility is maintained and

farthermost point of equipment or attachment is clearly seen by oncoming traffic.]

(4) The rear lamp shall be fixed either on the centre line of the vehicle or to the right hand side, and save in the case of a transport vehicle, at a height of not exceeding one metre above the ground:

[x x x x]

(5) In the case of a transport vehicle, the rear light may be fixed at such level as may be necessary to illuminate the registration mark.

(6) Every heavy goods carriage 45[including trailers] shall be fitted with a red indicator lamp of size of thirty centimetres by ten centimetres on the extreme rear most body cross beam and in the case of a vehicle not constructed with body in the rear, the indicator lamp shall be fitted near the right rear light above the rear number plate:

[Provided that every construction equipment vehicle of an unconventional or extraordinary type in travel mode shall be fitted or installed with a red indicator lamp of size of not less than 100 square centimetres on the extreme rearmost point of the body.]

(7) On and from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1999, every motor vehicle manufactured shall be fitted with at least one lamp which shall automatically be operated, throwing a white light to the rear, when the vehicle is being driven in the reverse gear.

(8) In the case of vehicles, other than three-wheelers of engine capacity not exceeding 500 CC, which are attached with trailers, all the lamps required to be fitted on the rear of the vehicle shall be fitted at the rear of the trailer.

(8A) On the commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, every construction equipment vehicle shall be fitted with two lamps at the rear throwing light to the rear when the vehicle is being driven in the reverse gear and there shall also be an audible warning system operating when the vehicle is being driven in the reverse gear, the audible warning system and the light being automatically operated when the vehicle is in reverse gear.

(8B) Every combine harvester shall be fitted with two lamps at the rear throwing light to the rear when the vehicle is being driven in the reverse gear and there shall also be an audible warning system operating when the vehicle is being driven in the reverse gear so that the

audible warning system and the light are automatically operated when the vehicle is in reverse gear.

► **OMITTED RULE:**

1. Save as hereinafter provided, every motor vehicle, while being driven in a public place, during the period half an hour after sunset and at any time when there is no sufficient light, shall be lit with the following lamps which shall render clearly discernible persons and vehicles on the road at a distance of one hundred and fifty five metres ahead:— : Sub Rule (1) substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
2. [x x x] : Omitted "motor cycles," by GSR 188(E) dtd. 22/02/2016 (w.e.f. 22/06/2016). [Download GSR 188(E)]
3. [every two wheeler manufactured on and after the 1st April, 2017, shall have one or two head lamps, conforming to the applicable standards in force for performance and installation requirements as notified by the Central Government from time to time vide according to sub-rule (1) of Rule 124, which shall automatically switch on when the engine is running: : Inserted by GSR 188(E) dtd. 22/02/2016 (w.e.f. 22/06/2016). [Download GSR 188(E)]
4. Provided that, the above condition of the head lamp being lit when the engine is running is deemed to be satisfied if daytime running lamp is provided, conforming to the applicable standards in force for performance and installation requirements notified by the Central Government from time to time, which shall be lit automatically if the engine is running: : Inserted by GSR 188(E) dtd. 22/02/2016 (w.e.f. 22/06/2016). [Download GSR 188(E)]
5. Provided further that the daytime running lamp shall be lit off automatically if the engine is running and the head lamp is switched on;] : Inserted by GSR 188(E) dtd. 22/02/2016 (w.e.f. 22/06/2016). [Download GSR 188(E)]
6. [x x x x] : Omitted "a motor cycle and" by GSR 214(E) dtd. 18/03/1999 (w.e.f. 18/03/1999).
7. [x x x x] : Proviso omitted by GSR 111(E) dtd. 10/02/2004 (w.e.f. 10/02/2004). [Download GSR 111(E)]
8. On and from the commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, all the obligatory front head lamps of a construction equipment vehicle shall

be as nearly as possible of the same power and fixed at a height so that front visibility is maintained and farthestmost point of equipment/attachment is clearly seen by on-coming traffic : Inserted by G.S.R 642(E), dated 28-07-2000 (w.e.f. 28-07-2000) [Download GSR 642(E)]

9. [All the obligatory front head lamps of a combine harvester shall be as nearly as possible of the same power and fixed at a height so that front visibility is maintained and farthestmost point of equipment or attachment is clearly seen by oncoming traffic.] :

Inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

10. [x x x x] : Proviso omitted by GSR 111(E) dtd. 10/02/2004 (w.e.f. 10/02/2004). [Download GSR 111(E)]

11. [Provided that every construction equipment vehicle of an unconventional or extraordinary type in travel mode shall be fitted or installed with a red indicator lamp of size of not less than 100 square centimetres on the extreme rearmost point of the body.] : Inserted by G.S.R 642(E), dated 28-07-2000 (w.e.f. 28-07-2000) [Download GSR 642(E)]

12. On the commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, every construction equipment vehicle shall be fitted with two lamps at the rear throwing light to the rear when the vehicle is being driven in the reverse gear and there shall also be an audible warning system operating when the vehicle is being driven in the reverse gear, the audible warning system and the light being automatically operated when the vehicle is in reverse gear. : Inserted by G.S.R 642(E), dated 28-07-2000 (w.e.f. 28-07-2000) [Download GSR 642(E)]

13. Every combine harvester shall be fitted with two lamps at the rear throwing light to the rear when the vehicle is being driven in the reverse gear and there shall also be an audible warning system operating when the vehicle is being driven in the reverse gear so that the audible warning system and the light are automatically operated when the vehicle is in reverse gear. : Inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

Rule 106 ~ Deflection of lights.

(1) [No head lamp showing a light to the front shall be used on any motor vehicle including agricultural tractor and construction equipment vehicle and combine harvester] (whether fitted with single or dual head lamp) unless such lamp is so constructed, fitted and

maintained that the beam of light emitted there from meet the requirements of respective safety standards notified under rules 124 and 124-A.]

(2) [x x x x]

► **OMITTED RULE:**

1. [No head lamp showing a light to the front shall be used on any motor vehicle including agricultural tractor and construction equipment vehicle and combine harvester]
: Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]
2. [x x x x] : Sub Rule (2) omitted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014).
[Download GSR 291(E)]

Rule 107 ~ Top lights.

Every goods vehicle including trailer and semi-trailer other than three-wheelers and vehicles with overall width not exceeding 2.1 metres shall be fitted with two white lights at the top right and left corners 52[showing white light to the front] and two red lights at the top right and showing red light to the rear. The lights shall remain lit when the vehicle is kept stationary on the road during night and at the time of poor visibility:

Provided that in the case of goods carriage without a full body in the rear, provision for fitting of the top light at the rear shall not be necessary.

Rule 107-A ~ Implement lights for construction equipment vehicle.

Construction equipment vehicle having implements with front overhang greater than 60% of wheelbase shall be fixed with additional implement light of amber colour at a location nearest to the extreme edge of the implement without affecting the functions of showing light in all directions and where the implement is more than 3 metres in length, additional amber coloured lamps shall be fixed at a distance of not exceeding 3 metres for the entire length of the implement

Provided that in case of rear overhang the additional implement lights shall be in red colour.]

1. Construction equipment vehicle having implements with front overhang greater than 60% of wheelbase shall be fixed with additional implement light of amber colour at a location nearest to the extreme edge of the implement without affecting the functions of showing light in all directions and where the implement is more than 3 metres in length, additional amber coloured lamps shall be fixed at a distance of not exceeding 3 metres for the entire length of the implement : Inserted by G.S.R 642(E), dated 28-07-2000 (w.e.f. 28-07-2000) [Download GSR 642(E)]
2. : Inserted by G.S.R 642(E), dated 28-07-2000 (w.e.f. 28-07-2000) [Download GSR 642(E)]
3. Provided that in case of rear overhang the additional implement lights shall be in red colour.] : Inserted by G.S.R 642(E), dated 28-07-2000 (w.e.f. 28-07-2000) [Download GSR 642(E)]

Rule 108 ~ Use of red, white or blue light.

(1) No motor vehicle shall show a red light to the front or light other than red to rear:

Provided that the provisions of this rule shall not apply to—

- i. the internal lighting of the vehicle; or
- ii. the amber light, if displayed by any direction indicator or top light or as top light used on vehicle for operating within the premises like airports, ports without going outside the said premises on to public roads;
- (**ia**) the amber light, if displayed by any direction indicator as top light on a vehicle specifically designated for the purpose of patrolling on the National Highways;
- iii. [x x x x]
- iv. [the blinker type of red light with purple glass fitted to an ambulance van used for carrying patients or the warning lamps fitted on Road Ambulance in accordance with Annexure-1 of AIS-125 (Part-1)-2014;]
- v. [x x x x]
- vi. white light illuminating the rear number plate;

vii. white light used while reversing;

viii. plough light provided in agricultural tractors for illuminating the implement's working area on the ground in agricultural field operations.

(2) [x x x x]

(3) [x x x x]

(4) Use of multi-coloured red, blue and white light shall be permitted only on vehicles specifically designated for [such emergency and disaster management duties as may be specified by the Central Government]

(5) [x x x x]

(6) [x x x x]

(7) [On and after the 1st April, 2018, the top lights (warning lamps) fitted on Road Ambulances shall be in accordance with AIS:125(Part 1):2014, as amended from time to time for all types of ambulances specified therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

► **OMITTED RULE:**

1. the amber light, if displayed by any direction indicator as top light on a vehicle speci :
Inserted by GSR 858(E), dt. 29/11/2022 (w.e.f. 29/11/2022). [Download GSR 858(E)]
2. cally designated for the purpose of patrolling on the National Highways; : Inserted by
GSR 858(E), dt. 29/11/2022 (w.e.f. 29/11/2022). [Download GSR 858(E)]
3. [x x x x] : Omitted by GSR 423(E), dt. 01/05/2017 (w.e.f. 01/05/2017). [Download GSR
423(E)]
4. [the blinker type of red light with purple glass fitted to an ambulance van used for
carrying patients or the warning lamps fitted on Road Ambulance in accordance with
Annexure-1 of AIS-125 (Part-1)-2014;] : Inserted by G.S.R 868(E), dated 01-04-2016
(w.e.f. 01-04-2016). [Download GSR 868(E)]
5. [x x x x] : Omitted by GSR 423(E), dt. 01/05/2017 (w.e.f. 01/05/2017). [Download GSR
423(E)]

6. [x x x x] : Omitted by GSR 423(E), dt. 01/05/2017 (w.e.f. 01/05/2017). [Download GSR 423(E)]
7. [x x x x] : Omitted by GSR 423(E), dt. 01/05/2017 (w.e.f. 01/05/2017). [Download GSR 423(E)]
8. [such emergency and disaster management duties as may be specified by the Central Government] : Substituted by GSR 423(E), dt. 01/05/2017 for the words "emergency duties and shall be specifically specified by State Governments." (w.e.f. 01/05/2017). [Download GSR 423(E)]
9. [x x x x] : Omitted by GSR 423(E), dt. 01/05/2017 (w.e.f. 01/05/2017). [Download GSR 423(E)]
10. [x x x x] : Omitted by GSR 423(E), dt. 01/05/2017 (w.e.f. 01/05/2017). [Download GSR 423(E)]
11. [On and after the 1st April, 2018, the top lights (warning lamps) fitted on Road Ambulances shall be in accordance with AIS:125(Part 1):2014, as amended from time to time for all types of ambulances specified therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).] : Substituted by GSR 868(E), dt. 01/04/2016 (w.e.f. 01/04/2016). [Download GSR 868(E)]

Rule 108-A ~ Use of red or white light on construction equipment vehicles and combine harvesters.

No construction equipment vehicle [\[and combine harvester\]](#) shall show a red light to the front or light other than red to the rear:

[Provided that the provision of this rule shall not apply to:—](#)

- i. [the internal lighting of the vehicle;](#)
- ii. [the amber light, if displayed by any direction indicator or top light;](#)
- iii. [white light illuminating the rear or side registration number plate;](#)
- iv. [white light used while reversing;](#)
- v. [light provided for illuminating the implement's working area on the ground in off-highway or construction operations.\]](#)

1. [and combine harvester] : Inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015).
[Download GSR 212(E)]
2. Provided that the provision of this rule shall not apply to:— : Rule 108A inserted by G.S.R. 642(E), dated 28-7-2000 (w.e.f. 28-7-2000) [Download GSR 642(E)]
3. : Rule 108A inserted by G.S.R. 642(E), dated 28-7-2000 (w.e.f. 28-7-2000) [Download GSR 642(E)]
4. the internal lighting of the vehicle; the amber light, if displayed by any direction indicator or top light; white light illuminating the rear or side registration number plate; white light used while reversing; : Rule 108A inserted by G.S.R. 642(E), dated 28-7-2000 (w.e.f. 28-7-2000) [Download GSR 642(E)]
5. : Rule 108A inserted by G.S.R. 642(E), dated 28-7-2000 (w.e.f. 28-7-2000) [Download GSR 642(E)]
6. light provided for illuminating the implement's working area on the ground in off-highway or construction operations.] : Rule 108A inserted by G.S.R. 642(E), dated 28-7-2000 (w.e.f. 28-7-2000) [Download GSR 642(E)]

Rule 108B ~ Use of beacon or blinking lamp on puller tractor.

The puller tractor shall be fitted with two beacon or blinking lamps, which are amber in color, one each on left and right hand side on top of the cabin.

1. The puller tractor shall be fitted with two beacon or blinking lamps, which are amber in color, one each on left and right hand side on top of the cabin. : Sub Rule 108B inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

Rule 109 ~ Parking light.

Every construction equipment vehicle, combine harvester and motor vehicle and every motor vehicle other than motor cycles and three- wheeled invalid carriages shall be provided with one white or amber parking light on each side in the front. In addition to the front lights, two red parking lights one on each side in the rear shall be provided. The front and rear parking lights shall remain lit even when the vehicle is kept stationary on the road:

Provided that these rear lamps can be the same as the rear lamps referred to in rule 105, sub-rule (2):

[x x x x]

Provided also that construction equipment vehicles [and combine harvesters], which are installed with flood light lamps or spot lights at the front, rear or side of the vehicle for their off-highway or construction operations, shall have separate control for such lamps or lights and these shall be permanently switched off when the vehicle is travelling on the road.

► **OMITTED RULE:**

1. [x x x x] : Proviso omitted by GSR 111(E) dtd. 10/02/2004 (w.e.f. 10/02/2004).

[Download GSR 111(E)]

2. Provided also that construction equipment vehicles [and combine harvesters], which are installed with flood light lamps or spot lights at the front, rear or side of the vehicle for their off-highway or construction operations, shall have separate control for such lamps or lights and these shall be permanently switched off when the vehicle is travelling on the road. : Rule 108A inserted by G.S.R. 642(E), dated 28-7-2000 (w.e.f. 28-7-2000)

[Download GSR 642(E)]

Rule 110 ~ Lamps on three-wheelers.

Every three-wheeler shall be fitted with one front head lamp and two side white or amber lights or two front lamps on the body. In addition to the front lamp or side lights, it shall be fitted with two rear lamps showing to the rear red light visible from a distance of 75 metres and a white light illuminating the registration mark exhibited on the rear of the vehicle so as to render it legible from a distance of 15 metres; and also two red reflex reflectors each having a reflecting area of not less than seven square centimetres:

Provided in case where these vehicles are attached with trailers, the rear fitments mentioned in this rule and direction indicator system mentioned in rule 102 shall also be provided at the rear of the trailer:]

Provided further that fitment of one head lamp shall be applicable only in case of three-wheelers with overall width not exceeding 1400 mm and in such cases the side lights shall

[be amber in colour.\]](#)

[\[Provided also that, on and after the 1st day of October, 2019 the filament lamp \(bulb\) fitted in headlamp of three wheelers shall be as per AIS-134:2016, as amended from time to time, till the corresponding Bureau of Indian Standards Act, 2016 \(11 of 2016\):\]](#)

[\[Provided also that the first and second proviso shall not apply to three wheelers with overall width not exceeding 1400 mm manufactured on and after the 1st day of October, 2019.\]](#)

1. three-wheeler : Substituted by GSR 589(E) dtd. 16-09-2005 for "autorickshaws and three wheelers of engine capacity not exceeding 500cc" (w.e.f. 01-04-2006). [Download GSR 589(E)]
2. Provided further that fitment of one head lamp shall be applicable only in case of three-wheelers with overall width not exceeding 1400 mm and in such cases the side lights shall be amber in colour.] : Proviso inserted by GSR 589(E) dtd. 16-09-2005 (w.e.f. 01-04-2006). [Download GSR 589(E)]
3. [Provided also that, on and after the 1st day of October, 2019 the filament lamp (bulb) fitted in headlamp of three wheelers shall be as per AIS-134:2016, as amended from time to time, till the corresponding Bureau of Indian Standards Act, 2016 (11 of 2016):] : Inserted by GSR 1225(E) Dtd. 20/12/2018 (w.e.f 20/12/2018). [Download GSR 1225(E)]
4. [Provided also that the first and second proviso shall not apply to three wheelers with overall width not exceeding 1400 mm manufactured on and after the 1st day of October, 2019.] : Inserted by GSR 1192(E) Dtd. 10/12/2018 (w.e.f 11/12/2018). [Download GSR 1192(E)]

Rule 111 ~ Prohibition of spot lights, etc.

No spot light or search light shall be carried on the front of any vehicle except in exceptional circumstances with the prior approval of the registering authority.

Rule 112 ~ Alterations to motor vehicle.

(1) [\[Any alteration or retrofitment to a motor vehicle under sub-section \(1\) of section 52 of the Act including but not limited to change in fuel, conversion of propulsion system, replacement of engine, replacement of chassis or modification in body structure, shall be in compliance with the conditions, standards and specifications notified by the Central Government, and shall be carried out by either,-](#)

- i. original equipment manufacturer; or
- ii. dealer of the vehicle manufacturer; or
- iii. workshop authorised by the State Government; or
- iv. service station authorised by the State Government

Provided that for alterations to chassis, any alteration involving replacement of chassis may be permitted provided the new chassis is supplied by the same manufacturer, is of the same type and the conversion of chassis meant for one type of motor vehicle shall not be permitted for another type of motor vehicle.

(2) Any alteration or retrofitment of safety equipment or any other equipment pursuant to any direction issued by the Central Government under sub-section (1A) of section 52 of the Act shall be in compliance with the standards and specifications notified by the Central Government under the appropriate rule, and shall be carried out by either, -

- i. original equipment manufacturer; or
- ii. dealer of the vehicle manufacturer; or
- iii. workshop authorised by the State Government; or
- iv. service station authorised by the State Government.

(3) The compliance of any alteration or retrofitment to a motor vehicle made under sub-rule (1), shall be tested and validated by testing agencies notified under Rule 126 or self-certified by either the original equipment manufacturer or dealer of the vehicle manufacturer or workshop authorised by the State Government or service station authorised by the State Government, making the alteration under sub-rule (1), which shall issue a certificate of compliance in Form 22F, either electronically on the Portal or in physical form to the owner.

(4) The compliance of any alteration or retrofitment of safety equipment or other any other equipment made under sub-rule (2), shall be type approved by testing agencies notified under rule 126 in accordance with the relevant rule and the compliance of such alteration or retrofitment shall be self-certified by either the original equipment manufacturer or dealer of the vehicle manufacturer or workshop authorised by the State Government or service station authorised by the State Government, making the alteration under sub-rule (1), which shall

issue a certificate of compliance in Form 22F, either electronically on the Portal or in physical form to the owner.]

(5) On and after six months from the date of commencement of the Central Motor Vehicles (Eighteenth Amendment) Rules, 2021, Special Purpose Vehicles, viz, Mobile Canteen, as described in AIS 163, shall comply with the requirements stated in AIS-163:2020, as amended from time to time.

(6) On and after six months from the date of commencement of Central Motor Vehicles (Eighteenth Amendment) Rules, 2021, Two Wheeled First Responder – Fire, shall comply with the requirements stated in AIS 167:2020, as amended from time to time.

(7) On and after one year from the date of commencement of Central Motor Vehicles (Eighteenth Amendment) Rules, 2021, Insulated vehicles, shall comply with the requirements stated in AIS-164:2021, as amended from time to time.

(8) On and after six months from the date of commencement of Central Motor Vehicles (Eighteenth Amendment) Rules, 2021, Motor Caravans, shall comply with the requirements stated in AIS-124:2014, as amended from time to time.

(9) On and after six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2022, Special Purpose Vehicle, viz. Cash Vans shall comply with the requirements stated in AIS-163:2020, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016(11 of 2016).

► **OLD RULE :**

1. [Any al : Rule 112 (1) - (4) substituted by GSR 240(E) Dtd. 31/03/2021 (w.e.f 01/04/2021). [Download GSR 240(E)]
2. teration or retrofitment to a motor vehicle under sub-section (1) of section 52 of the Act including but not limited to change in fuel, conversion of propulsion system, replacement of engine, replacement of chassis or modification in body structure, shall be in compliance with the conditions, standards and specifications notified by the Central Government, and shall be carried out by either,- : Rule 112 (1) - (4) substituted by GSR 240(E) Dtd. 31/03/2021 (w.e.f 01/04/2021). [Download GSR 240(E)]

3. On and after six months from the date of commencement of the Central Motor Vehicles (Eighteenth Amendment) Rules, 2021, Special Purpose Vehicles, viz, Mobile Canteen, as described in AIS 163, shall comply with the requirements stated in AIS-163:2020, as amended from time to time. : Rule 112 (5) - (8) inserted by GSR 596(E) Dtd. 26/08/2021 (w.e.f 26/08/2021). [Download GSR 596(E)]

4. On and after six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2022, Special Purpose Vehicle, viz. Cash Vans shall comply with the requirements stated in AIS-163:2020, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016(11 of 2016). : Rule 112 (9) inserted by GSR 153(E) Dtd. 23/02/2022 (w.e.f 23/08/2022). [Download GSR 153(E)]

Rule 112-A ~ Alteration to Motor Vehicle for conversion into Adapted Vehicle.

(1) [Any alteration to a motor vehicle under sub-section (2) of section 52 of the Act, to convert it to an Adapted Vehicle shall be in compliance with the conditions notified by the Central Government under this rule or any other applicable rule, and shall be carried out by either, -

- i. original equipment manufacturer; or
- ii. dealer of the vehicle manufacturer; or
- iii. workshop authorised by the State Government; or
- iv. service station authorised by the State Government.

(2) Either the original equipment manufacturer or dealer of the vehicle manufacturer or workshop authorised by the State Government or service station authorised by the State Government, making the alteration under sub-rule (1), shall issue a certificate of compliance in Form 22G, either electronically on the Portal or in physical form to the owner.]

1. [Any alteration to a motor vehicle : Rule 112A inserted by GSR 240(E) Dtd. 31/03/2021 (w.e.f 01/04/2021). [Download GSR 240(E)]

2. under sub-section (2) of section 52 of the Act, to convert it to an Adapted Vehicle shall be in compliance with the conditions notified by the Central Government under this rule or any other applicable rule, and shall be carried out by either, - : Rule 112A inserted by

GSR 240(E) Dtd. 31/03/2021 (w.e.f 01/04/2021). [Download GSR 240(E)]

3. original equipment manufacturer; or dealer of the vehicle manufacturer; or workshop authorised by the State Government; or service station authorised by the State Government. : Rule 112A inserted by GSR 240(E) Dtd. 31/03/2021 (w.e.f 01/04/2021). [Download GSR 240(E)]

4. (2) Either the original equipment manufacturer or dealer of the vehicle manufacturer or workshop authorised by the State Government or service station authorised by the State Government, making the alteration under sub-rule (1), shall issue a certificate of compliance in Form 22G, either electronically on the Portal or in physical form to the owner.] : Rule 112A inserted by GSR 240(E) Dtd. 31/03/2021 (w.e.f 01/04/2021). [Download GSR 240(E)]

Rule 113 ~ [x x x x] Omitted.

[\[x x x x\]](#)

► OMITTED RULE:

1. [x x x x] : Rule 113 omitted by GSR 240(E) Dtd. 31/03/2021 (w.e.f 01/04/2021). [Download GSR 240(E)]

Rule 114 ~ Exhaust gases and exhaust pipes.

(1) [Every motor vehicle shall be so constructed or equipped that the exhaust gases from the engine are discharged neither downward nor to the left side of the vehicle and shall be so fitted as to allow the gases to escape to the right side or rear of the vehicle:

Provided that in the case of tankers carrying explosives and inflammable goods, the fitment of exhaust pipe shall be according to the specification of the Inspector of Explosives:

Provided further that, in the vehicles where the exhaust gases are discharged to the right of the vehicle, slight downward angle shall be permitted, provided the exhaust gases do not kick up any dust when the vehicle is stationary and engine running and in any case the angle of the pipe to the horizontal should not be more than 30 degrees:

Provided also that where the exhaust gases are discharged to the left of the vehicle the inclination of exhaust pipe should not cross 30 degrees in downward and 30 degrees in left direction against the vertical plane which includes the vehicle centre line, provided the exhaust gases do not take up any dust when the vehicle is stationary and engine running:

Provided also that in the case of agricultural tractors, [vertical or horizontal] exhaust pipe may be provided and outlet of this pipe should be so directed that the driver of the tractor is not exposed to exhaust gases by locating the outlet over or to the side of head-level of the driver as per Indian Standards IS 12239 (Part 1):1996:

Provided also that in the case of construction equipment vehicle vertical exhaust pipe may be fitted and outlet of this pipe shall be so directed that the driver of the vehicle is not exposed to exhaust gases.

(2) On and from the date of commencement of this sub-rule, no exhaust pipe of a motor vehicle including construction equipment vehicle and combine harvester shall be located within a distance of 35 millimeters from the fuel line connecting to the fuel tank and engine.

(3) The exhaust pipe of every public service vehicle shall be so fitted or shielded that no inflammable material is thrown upon it from any other part of the vehicle and that it is not likely to cause a fire through proximity to any inflammable material on the vehicle.]

► **OLD RULE :**

1. [Every motor vehicle shall b : Rule 112 substituted by GSR 240(E) Dtd. 31/03/2021 (w.e.f 01/04/2021). [Download GSR 240(E)]
2. e so constructed or equipped that the exhaust gases from the engine are discharged neither downward nor to the left side of the vehicle and shall be so fitted as to allow the gases to escape to the right side or rear of the vehicle: : Rule 112 substituted by GSR 240(E) Dtd. 31/03/2021 (w.e.f 01/04/2021). [Download GSR 240(E)]

Rule 115 ~ Emission of smoke, vapour, etc. from motor vehicles.**115(1) ~ Vehicles prior to 01/03/1990.**

Every motor vehicle, other than battery operated vehicles and those manufactured prior to the first day of March 1990, shall be maintained in such condition and shall be so driven so as to comply with the standards prescribed in these rules.

► Old Rule:

1. Every motor vehicle, other than battery operated vehicles and those manufactured prior to the first day of March 1990, shall be maintained in such condition and shall be so driven so as to comply with the standards prescribed in these rules. : Substituted by GSR 410(E), dt. 14/06/2021 (w.e.f. 14/09/2021). [Download GSR 410(E)]
2. Every motor vehicle other than motor cycles of engine capacity not exceeding 70 cc, manufactured prior to the first day of March 1990, shall be maintained in such condition and shall be so driven so as to comply with the standards prescribed in these rules. : Substituted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004)

115(2) ~ On and after 1st October, 2004.

On and after 1st October, 2004, every motor vehicle operating on.

- (i) Petrol/CNG/LPG shall comply with the idling emission standards for Carbonmonoxide (CO) and Hydrocarbon (HC) given in the Table below:

TABLE - PETROL/CNG/LPG DRIVEN VEHICLES

SL No	Vehicle Type and Applicability	CO%	HC (ppm)
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			<i>(n-hexane equivalent)</i>
1	Two Wheelers (2/4 - Stroke) (Vehicles manufactured on and before 31st March, 2000)	4.5	9,000
2	Two Wheelers (2-stroke) (Vehicles manufactured after 31st March, 2000 and 31st March, 2010)	3.5	6,000
3	Two Wheelers (4-stroke) (Vehicles manufactured between 31st March, 2000 and 31st March 2010)	3.5	4,500
4	Two Wheelers (2-Stroke) (Vehicles manufactured after 31st March, 2010)	3	4,000
5	Two Wheelers (4-Stroke) (Vehicles manufactured after 31st March, 2010)	3	3,000
6	Three Wheelers (2/4 – Stroke) (Vehicles manufactured on and before 31st March, 2000)	4.5	9,000
7	Three Wheelers (2 – Stroke) (Vehicles manufactured after 31st March, 2000)	3.5	6,000
8	Three Wheelers (4 – Stroke) (Vehicles manufactured after 31st March, 2000)	3.5	4,500
9	Four Wheelers manufactured as per pre-Bharat Stage II emission norms	3	1,500
10	Four Wheelers manufactured as per Bharat Stage-II or Bharat Stage-III Emission norms	0.5	750

Note.—The test shall be carried out using the instrument type approved as per rule 116(3) of the Central Motor Vehicles Rules, 1989 (CMVR) with the vehicle engine warmed up after a run of minimum 15 minutes on a variable course under normal traffic condition. During the test the vehicle engine shall be running at idling speed and the sampling probe shall be inserted into the vehicle exhaust system to a depth not less than 300mm. In case CO and/or HC emission values recorded during the test are not within the limits, the testing shall be discontinued and the vehicle owner shall be advised to resubmit the vehicle after repair/service.

* The idling emission standards for vehicles when operating on Compressed Natural Gas (CNG), shall contain Non-Methane Hydrocarbon (NMHC) in place of Hydrocarbon (HC) and shall be estimated by the following formula:

$$\text{NMHC} = 0.3 \times \text{HC}$$

Where HC= Total Hydrocarbon measured as n-hexane equivalent.

* Similarly idling emission standards for vehicles when operating on Liquefied Petroleum Gas (LPG) shall contain Reactive Hydrocarbon (RHC) in place of Hydrocarbon (HC) and shall be estimated by the following formula:

$$\text{RHC} = 0.5 \times \text{HC}$$

Where HC= Total Hydrocarbon measured as n-hexane equivalent:

Provided that in case of Petrol vehicles fitted with three-way closed loop catalytic converters operating in a specific city or area, the Government of the respective State or Union Territory Administration, as the case may be, may, by notification in the Official Gazette, specify the introduction of measurement of LAMBDA (dimensionless value representing burning efficiency of an engine in terms of the air/fuel ratio in the exhaust gases) and tighter emission norms for in-use vehicles with such periodicity as may be warranted, after ensuring that gas analyzers capable of measuring the values, duly approved by the testing agencies, are available in such city or area, as the case may be:

Provided further that testing procedures are prescribed in TAP documents Nos. 115 and 116 [or AIS 137 as applicable](#) as amended from time to time:

Provided also that the compliance to the limits prescribed in the above proviso shall be included in the certificate issued by the vehicle manufacturer in Form 22 or Form 22-A, as applicable for the vehicle manufactured on or after 1st October, 2004:

[Provided that in the case of CNG/LPG motor vehicles operating on Bi-fuel mode, the test shall be conducted only on CNG/LPG mode.]

Provided that every motor vehicle operating on Petrol/ Compressed Natural Gas/Liquefied Petroleum Gas, manufactured as per Bharat Stage-IV norms shall comply with the idling and high idling applicable emission standards for Carbon Monoxide (CO), Hydro Carbon (HC) and Lambda given in the following Table, namely:-

TABLE A - PETROL/CNG/LPG DRIVEN VEHICLES [BS IV OR BS VI] NORMS

Sl. No.	Type of Vehicle	Idle emission limits		High Idle emission limits (RPM-2500 \pm 200)	
		CO %	HC (n hexane equivalent) ppm	CO %	Lambda λ
(1)	(2)	(3)	(4)	(5)	(6)
1	Compressed Natural Gas/Liquefied Petroleum Gas driven four wheelers manufactured as per Bharat Stage IV or Bharat Stage VI norms.	0.3	200	--	1 \pm 0.03 or as declared by the manufacturer.
2	Petrol driven four wheelers manufactured as per Bharat Stage IV or Bharat Stage VI norms.	0.3	200	0.2	
3	Compressed Natural Gas/Liquefied Petroleum Gas driven two/ three wheelers manufactured as per Bharat Stage VI norms.	0.5	500	--	

4	Petrol driven two/ three wheelers manufactured as per Bharat Stage VI norms.	0.5	500	0.3
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Provided also that the test as specified in the Table-A shall not be carried out if the On Board Diagnostics (OBD) Malfunction Indication Lamp (MIL) of Bharat Stage IV and Bharat Stage VI vehicle (as applicable) is noticed to be in switched on condition after starting of engine, and in such cases, the vehicle shall be re-submitted for the above test after repair or servicing;

Provided also that the testing procedures for vehicles manufactured as per Bharat Stage VI emission norms shall be as laid down in AIS 137, as amended from time to time;

Provided also that in cases of Compressed Natural Gas and Liquefied Petroleum Gas vehicles as specified at Sl. Nos. 1 and 3 of the Table A, the Lambda requirement shall be applicable to only Bharat Stage VI Compressed Natural Gas or Liquefied Petroleum Gas vehicles of categories M1 (with GVW not exceeding 7.5 tonnes), M2, N1, Quadricycle and two or three wheelers.

(ii) Smoke density for all diesel-driven vehicles shall be as follows.

TABLE B - DIESEL VEHICLES

SL No	Method of Test	Maximum Smoke Density	
		Light absorption coefficient (1/meter)	Hartidge unit
(1)	(2)	(3)	(4)
1	Free acceleration test for turbo charged engine and naturally aspirated engine for vehicle manufactured as per pre Bharat Stage IV norms	2.45	65

2	Free acceleration test for turbo charged engine and naturally aspirated engine for vehicle manufactured as per Bharat Stage IV norms	1.62	50
3	Free acceleration test for turbo charged engine and naturally aspirated engine for 4 wheelers manufactured as per Bharat Stage VI norms	0.7	26
4	Free acceleration test for turbo charged engine and naturally aspirated engine for two / three wheelers manufactured as per Bharat Stage VI norms	1.5	48

The free acceleration test shall be carried out using meter type-approved under sub-rule of rule 116 as given under:-

- a. three times flushing by free acceleration to be undertaken with or without the sampling probe in the vehicle exhaust, and average maximum rpm of the three flushing to be recorded;
- b. thereafter, with sample probe inserted in vehicle exhaust during each free acceleration, maximum no -load rpm reached shall be within the bandwidth of ± 500 rpm of the average value in respect of 3 -wheeled vehicles and ± 300 rpm of the average value for all other categories of vehicles;
- c. the free acceleration test, mentioned in (b) above, shall be repeated minimum three times;
- d. the smoke density to be recorded shall be arithmetic mean of these three readings;
- e. In case the smoke density recorded is not within the limits, then, the test may be repeated with engine oil temperature measured by a probe in the oil level dipstick tube to be at least 60 °C:

Provided that the above test shall not be carried out if the On Board Diagnostic (OBD) Malfunction Indicator Lamp (MIL) of [BS-IV or BS-VI vehicle (as applicable) is noticed to be in switched on condition after starting of engine, and] in such cases, the vehicle shall be re-submitted for the above test after repair or servicing:

Provided further that only for Type Approval purposes, all new models type-approved on or before the commencement of the Central Motor Vehicles (Tenth Amendment) Rules, 2015 and complying with the requirements of free acceleration smoke as provided in the Central Motor Vehicles (Amendment) Rules, 2012, published vide notification number G.S.R. 103(E), dated 23rd February 2012, need not be re type-approved for compliance to this sub- rule.

[Provided also that for Type Approval purposes, all models type approved as per the Central Motor Vehicles (11th Amendment) Rules, 2016, published in the Official Gazette vide notification number G.S.R. 889 (E), dated the 16th September, 2016 and complying with requirements of free acceleration smoke as provided in this sub-rule, need not be re type approved.]

(iii) Updation of emission results in State/Central Registers.

(a) The emission results obtained during testing as per clause (i) or clause (ii) above, shall be electronically generated in the Form 59 from the National Register of Motor Vehicles after verification of mobile number of the vehicle owner, as the case may be, as laid down in AIS 137 (Part 8) as amended from time to time.

(b) [x x x]

► **OLD RULE:**

1. On and after 1st October, 2004, every motor vehicle operating on. : Substituted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]
2. TABLE - PETROL/CNG/LPG DRIVEN VEHICLES : Substituted by GSR 277(E), dt. 11/04/2014 (w.e.f. 01/10/2014). [Download GSR 277(E)]
3. or AIS 137 as applicable : Inserted by GSR 410(E), dt. 14/06/2021 (w.e.f. 14/09/2021)
4. [Provided that in the case of CNG/LPG motor vehicles operating on Bi-fuel mode, the test shall be conducted only on CNG/LPG mode.] : Inserted by GSR 84(E), dt. 09/02/2009 (w.e.f. 09/02/2009). [Download GSR 84(E)]
5. Provided that every motor vehicle operating or Petrol/ Compressed Natural Gas/Liquefied Petroleum Gas, manufactured as per Bharat Stage-IV norms shall comply with the idling and high idling applicable emission standards for Carbon Monoxide (CO), Hydro Carbon (HC) and Lambda given in the following Table, namely:- : Inserted by GSR 103(E), dt. 23/02/2012 (w.e.f. 23/02/2012). [Download GSR 103(E)]

6. TABLE A - PETROL/CNG/LPG DRIVEN VEHICLES [BS IV OR BS VI] NORMS :

Substituted by GSR 881(E) Dtd. 26/11/2019 (w.e.f 26/11/2019). [[Download GSR 881\(E\)](#)]

7. Provided also that the test as specified in the Table-A shall not be carried out if the On Board Diagnostics (OBD) Malfunction Indication Lamp (MIL) of Bharat Stage IV and Bharat Stage VI vehicle (as applicable) is noticed to be in switched on condition after starting of engine, and in such cases, the vehicle shall be re-submitted for the above test after repair or servicing: : Substituted by GSR 881(E) Dtd. 26/11/2019 (w.e.f 26/11/2019). [[Download GSR 881\(E\)](#)]

8. Provided also that the testing procedures for vehicles manufactured as per Bharat Stage VI emission norms shall be as laid down in AIS 137, as amended from time to time: : Substituted by GSR 881(E) Dtd. 26/11/2019 (w.e.f 26/11/2019). [[Download GSR 881\(E\)](#)]

9. Provided also that in cases of Compressed Natural Gas and Liquefied Petroleum Gas vehicles as specified at Sl. Nos. 1 and 3 of the Table A, the Lambda requirement shall be applicable to only Bharat Stage VI Compressed Natural Gas or Liquefied Petroleum Gas vehicles of categories M1 (with GVW not exceeding 7.5 tonnes), M2, N1, Quadricycle and two or three wheelers. : Substituted by GSR 881(E) Dtd. 26/11/2019 (w.e.f 26/11/2019). [[Download GSR 881\(E\)](#)]

10. TABLE B - DIESEL VEHICLES : Substituted by GSR 881(E) Dtd. 26/11/2019 (w.e.f 26/11/2019). [[Download GSR 881\(E\)](#)]

11. The free acceleration test shall be carried out using meter type-approved under sub-rule of rule 116 as given under:- : Substituted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [[Download GSR 498\(E\)](#)]

12. [BS-IV or BS-VI vehicle (as applicable) is noticed to be in switched on condition after starting of engine, and] : Substituted by GSR 881(E) Dtd. 26/11/2019 (w.e.f 26/11/2019). [[Download GSR 881\(E\)](#)]

13. [Provided also that for Type Approval purposes, all models type approved as per the Central Motor Vehicles (11th Amendment) Rules, 2016, published in the Official Gazette vide notification number G.S.R. 889 (E), dated the 16th September, 2016 and complying with requirements of free acceleration smoke as provided in this sub-rule, need not be re type approved.] : Substituted by GSR 881(E) Dtd. 26/11/2019 (w.e.f 26/11/2019). [[Download GSR 881\(E\)](#)]

14. The emission results obtained during testing as per clause (i) or clause (ii) above, shall be electronically generated in the Form 59 from the National Register of Motor

Vehicles after verification of mobile number of the vehicle owner, as the case may be, as laid down in AIS 137 (Part 8) as amended from time to time. : Substituted by GSR 410(E), dt. 14/06/2021 (w.e.f. 14/09/2021). [Download GSR 410(E)]

15. [x x x] : Omitted by GSR 410(E), dt. 14/06/2021 (w.e.f. 14/09/2021). [Download GSR 410(E)]

16. The emission results obtained during testing as per clause (i) or clause (ii) above, shall be electronically uploaded through online process to the State Register of Motor Vehicles or the Central Register of Motor Vehicles, as the case may be, as laid down in Document No. MoRTH/CMVR/TAP-115/116 : Substituted by GSR 527(E), dt. 06/06/2018 (w.e.f. 06/06/2018)

17. as amended from time to time. : Substituted by GSR 527(E), dt. 06/06/2018 (w.e.f. 06/06/2018)

115(3) ~ Petrol Emissions - Annexure I, II, III.

On and from the [\[date\]](#) of commencement of this sub-rule, all petrol-driven vehicles shall be so manufactured that they comply with the mass emission standards as specified at Annexure I. The breakdown of the operating cycle used for the test shall be as specified at Annexure II, and the reference fuel for all such tests shall be specified in Annexure III to these rules.

1. [\[date\]](#) : Brought into force on 1st April 1991, vide S.O 869(E), dtd. 27/10/1989

115(4) ~ Diesel Emissions - Annexure IV.

On and from the [\[date\]](#) of commencement of this sub-rule, all diesel-driven vehicles shall be so manufactured that they comply with the standards based on exhaust gas opacity as specified at Annexure IV to these rules.

1. [\[date\]](#) : Brought into force on 1st April 1991, vide S.O 869(E), dtd. 27/10/1989

115(5) ~ Petrol Emissions - Annexure V.

On and from the [\[date\]](#) of commencement of this sub-rule, all petrol-driven vehicles shall be so manufactured that they comply with the following levels of emissions when tested as per test cycle specified in Annexure V]:—

CO (Mass of Carbon Monoxide)	HC (Mass of Hydrocarbons)	NO (Mass of Nitrogen Oxides)
<i>Maximum grams per KWH</i>	<i>Maximum grams per KWH</i>	<i>Maximum grams per KWH</i>
14%	3.5	18

[\[Provided the standards for exhaust gas emissions applicable to agricultural tractors shall be notified separately.\]](#)

1. [date] : Brought into force on 1st April 1991, vide S.O 869(E), dtd. 27/10/1989
2. [Provided the standards for exhaust gas emissions applicable to agricultural tractors shall be notified separately.] : Inserted by GSR 338(E), dt. 26/03/1993 (w.e.f. 26/03/1993) [Download GSR 338(E)]

115(6) ~ Manufactures to be certify.

Each motor vehicle manufactured on and after the dates specified in sub-rule (2), (3), or (5), shall be certified by the manufacturers to be conforming to the standards specified in the said sub-sections, and further certify that the components liable to effect the emission of gaseous pollutants are so designed, constructed and assembled as to enable the vehicle, in normal use, despite the vibration to which it may be subjected, to comply with the provisions of the said sub-rule.

115(7) ~ Pollution Under Control Certificate.

After the expiry of a period of one year from the date on which the motor vehicle was first registered, every such vehicle shall carry a valid "Pollution under control" certificate issued by an agency authorized for this purpose by the State Government. The validity of the

certificate shall be for [\[six months\]](#) and the certificate shall always be carried in the vehicle and produced on demand by the officers referred to in sub-rule (1) of rule 116.

[\[Provided that the validity of the certificate shall be twelve months for the vehicles manufactured as per Bharat Stage - IV or Bharat Stage VI norms.\]](#)

1. [six months] : Substituted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004).
[Download GSR 111(E)]
2. [Provided that the validity of the certificate shall be twelve months for the vehicles manufactured as per : Substituted by GSR 103(E) Dtd. 23/02/2012 (w.e.f 23/02/2012). [Download GSR 103(E)]
3. Bharat Stage - IV or Bharat Stage VI norms.] : Substituted by GSR 889(E) Dtd. 16/09/2016 (w.e.f 16/09/2016). [Download GSR 889(E)]

115(8) ~ Effectiveness of PUC.

The certificate issued under sub-rule (7) shall, while it remains effective, be valid throughout India.

115(9) ~ Mass Emission Standard for Vehicles prior to April 2000.

Mass Emission Standard for Diesel Vehicles:

Mass Emission Standard for Diesel Vehicles as per Type Approval Test as given in the Table below.

Type Approval Test

<i>Vehicle Category</i>	<i>HC*</i>	<i>CO*</i>	<i>NO_x</i> (g/KWH)	<i>Smoke</i>
	(g/KWH)	(g/KWH)		
Medium & Heavy over 3.5 Ton/GVW	2.4	11.2	14.4	***
Light diesel upto 3.5 Ton/GVW or	2.4	11.2	14.4	***
Reference mass R(Kg)		CO** g/KM	HC+NO _x g/KM	***

R<1020	5	2		
1020<R<1250	5.7	2.2		
1250<R< 1470	6.4	2.5		
1470<R< 1700	7	2.7		
1700<R<1930	7.7	2.9		
1930<R<2150	8.2	3.5		
R<2150	9	4		

Note:--

- * The test cycle is as per 13 mode cycle on dynamometer.
- ** The test should be as per Indian driving cycle with cold start.
- *** The emissions of visible pollutants (smoke) shall not exceed the limit value to smoke density. When expressed as light absorption coefficient given below for various nominal flows when tested as constant speeds over full load. (As indicated at Annexure I).

COP STANDARDS:-

- * 10% relaxation in the standards for HC, CO and NO_x would be given.
- ** 10% relaxation in the standards for CO and combined HC+NO_x would be given.

Mass Emission Standard for Petrol Driven Vehicles:**(i) - Passenger Cars.**

Petrol driven passenger cars Effective from 1st April, 1998, as per Type Approval Tests shows in the Table below.

<i>Cubic Capacity (cm³)</i>	<i>Carbon Monoxide (gm/km)</i>		<i>HC+NOx (gm/km)</i>	
	<i>Passenger cars fitted with catalytic converter</i>	<i>Passenger cars not fitted with catalytic converter</i>	<i>Passenger cars fitted With catalytic converter</i>	<i>Passenger cars not fitted with catalytic converter</i>
<1400	4.34	8.68	1.5	3
>1400<2000	5.6	11.2	1.92	3.84
>2000	6.2	12.4	2.18	4.36

Notes.—

1. The tests will be as per Indian driving cycle with warm start. However, with effect from 1st April, 1998, the test will be as per Indian driving cycle with cold start for catalytic converter fitted vehicles as:—

Soak Temperature	20° - 30° C
Soak Period	6.30 hrs
Preparatory running before sampling	4 cycles
Number of test cycles	6

Break down of cycles	Indian driving cycle as per Annexure II
----------------------	--

2. For passenger cars not fitted with catalytic converters, the test will continue to be with warm start as per existing procedure, till 1/4/2000.

3. There should be no crankcase emission.

4. Evaporative emission should not be more than 2.0g/test.

5. **COP standards:-** 20% relaxation in the standards for Carbon Monoxide and combined HC + NOx would be given.

6. For vehicles fitted with catalytic converter a deterioration factor of 1.2 on Type- Approval Limits will be applicable for durability.]

(ii) - Three wheelers (for all categories).

CO	6.75	<i>Gms/km</i>
HC+NOx	5.40	<i>Gms/km</i>

Note.—

1. The test will be as per Indian driving cycle with warm start. However, with effect from 1st April, 1998, the test will be as per Indian driving cycle with cold start.

2. **COP standards:-** 20% relaxation in the standards for Carbon Monoxide and combined HC+NOx would be given.

(iii) - Two wheelers (for all categories).

CO	4.50	<i>Gms/km</i>
HC+NOx	3.60	<i>Gms/km</i>

Note.—

1. The test will be as per Indian driving cycle with warm start. However, with effect from 1st April, 1998, the test will be as per Indian driving cycle with cold start.
2. COP standards: 20% relaxation in the standards for Carbon Monoxide and combined HC+NO_x would be given.

ANNEXURE - I

<i>Nominal Flow G(1/2)</i>	<i>Light Absorption (K(1/m))</i>	<i>Nominal Flow G(1/2)</i>	<i>Light Absorption (K(1/m))</i>
45	2.19	125	1.345
50	2.08	130	1.32
55	1.985	135	1.3
60	1.9	140	1.27
65	1.84	145	1.25
70	1.775	150	1.205
75	1.72	160	1.19
80	1.665	165	1.17
85	1.62	170	1.155
90	1.575	175	1.14
95	1.535	180	1.125

100	1.495	185	1.11
105	1.465	190	1.095
110	1.425	195	1.08
115	1.395	200	1.065

115(10) ~ Mass Emission Standard for Vehicles after April 2000.

[Mass Emission Standards for vehicles manufactured on and after 1st June, 1999 in case of National Capital Region of Delhi and in other cases on and after 1st April, 2000]

(A) - For Petrol Driven Vehicles.

Passenger Cars.

<i>PASSENGER CARS</i>	<i>CO(g/km)</i>	<i>HC+NOx(g/km)</i>
Type Approval	2.72	0.97
Conformity of Production	3.16	1.13

Notes.—

1. The test shall be as per the modified Indian driving cycle, with cold start, as specified in Annexure IV-B, on Chassis Dynamometer.
2. There should be no crankcase emission.
3. Evaporative emission should not be more than 2.0g/test.
4. For vehicles fitted with catalytic converter, a deterioration factor of 1.2 on Type Approval Limits will be applicable for durability.
5. Commercial fuel shall be as notified by the Ministry of Environment and Forests Vide Notification No. G.S.R. 176(E), dated the 2nd April, 1996.

6. Reference test fuel shall be as specified in Annexure IV-C.

<i>2-Wheelers and 3-Wheelers</i>	<i>CO(g/km)</i>		<i>HC+NOx(g/km)</i>	
	<i>2-Wheeler</i>	<i>3-Wheeler</i>	<i>2-Wheeler</i>	<i>3-Wheeler</i>
Type Approval	2.0	4.0	2.0	2.0
Conformity of Production	2.4	4.8	2.4	2.4

Notes.—

1. The test shall be as per the Indian driving cycle, with cold start, on Chassis Dynamometer as specified in Annexure IV-B to the principal rules.
2. Commercial fuel shall be as notified by the Ministry of Environment and Forests vide Notification No. G.S.R. 176(E), dated the 2nd April, 1996.
3. Reference test fuel shall be as specified in Annexure IV-C.
4. [For 2-wheelers and 3-wheelers fitted with catalytic converter, a deterioration factor of 1.2 on Type Approval Limits, will be applicable for durability:](#)

Provided that the vehicle manufacturers may opt for an ageing test of 30,000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government.

(B) - For Diesel Driven Vehicles. (Including Two and Three Wheelers)

I. Vehicles with GVW exceeding 3.5 ton

<i>Pollutants</i>	<i>Limits for</i>
--------------------------	--------------------------

	<i>Type Approval</i>	<i>Conformity of Production</i>
CC(g/K Wh	4.5	4.9
HC(g/k Wh	1.1	1.23
NOx(g/k Wh	8.0	9.0
PM(g/k Wh) for engines with power exceeding 85kW	0.36	0.4
PM(g/k Wh) or engines with power not exceeding 85k W	0.36	0.4

II. Vehicles with GVW equal to or less than 3.5 ton

<i>Pollutants</i>	<i>Limits for</i>	
	<i>Type Approval</i>	<i>Conformity of Production</i>
CO(g/k Wh)	4.5	4.9
HC(g/k Wh)	1,1	1.23
NOx (g/k Wh)	8.0	9.0
PM(g/k Wh) for engines with power exceeding 85kW	0.36	0.4

PM(g/ k Wh) for engines with power equal to or	0.61	0.68
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Or Chassis Dynamometer Test

<i>Reference Mass (kg)</i>	<i>Limits for Type Approval (gm/km)</i>			<i>Limits of conformity of Production (gm/km)</i>		
	CO	HC+NO _x	PM	CO	HC+NO _x	PM
R<1250	2.72	0.97	0.14	3.16	1.13	0.18
1250<R<1700	5.17	1.40	0.19	6.0	1.60	0.22
1700<R	6.90	1.70	0.25	8.0	2.0	0.29

Notes.—

The test for vehicles with GVW equal to or less than 3.5 ton shall be as per the 13 mode cycle on engine dynamometer specified in Annexure IV-A to the principal rules.

The test shall be as per the Indian driving cycle, for 2-Wheelers and 3-Wheelers and modified Indian driving cycle for 4-Wheelers with cold start, as specified in Annexure IV- B on Chassis Dynamometer.

For vehicles fitted with catalytic converters a deterioration factor 1.1 of CO; 1.0 for HC+NO_x and 1.2 for PM on type approval limits will be applicable for durability.

The emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption co-efficient for various nominal flows as in Annexure I to rule 115(9), (Notification No. G.S.R. 163(E), dated 29th March, 1996), when tested at constant speeds over full load. These smoke limits are without correction factor and engines

are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

Commercial fuel shall be as notified by the Ministry of Environment and Forests vide Notification No. G.S.R. 176(E), dated the 2nd April, 1996.

Reference test fuel shall be as specified in Annexure IV-D.]

For 2-wheelers and 3-wheelers fitted with catalytic converter, the deterioration factor shall be as follows:

CO=1.1

HC + NO_x = 1.0

PM=1.2

Provided that the vehicle manufacturers may opt for an ageing test of 30,000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government:

Provided further that the above provisions shall come into force after six months from the publication of the notification.

1. [Mass Emission Standards for vehicles manufactured on and after 1st June, 1999 in case of National Capital Region of Delhi and in other cases on and after 1st April, 2000] : Substituted by G.S.R 399(E), dated 01-06-1999 (w.e.f. 02-06-1999).[Download GSR 399(E)]
2. For 2-wheelers and 3-wheelers fitted with catalytic converter, a deterioration factor of 1.2 on Type Approval Limits, will be applicable for durability: : Substituted by G.S.R 400(E), dated 31-05-2002 (w.e.f. 31-05-2002)
3. For 2-wheelers and 3-wheelers fitted with catalytic converter, the deterioration factor shall be as follows: : Substituted by G.S.R 400(E), dated 31-05-2002 (w.e.f. 31-05-2002)
4. Provided that the vehicle manufacturers may opt for an ageing test of 30,000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government: : Inserted by G.S.R 400(E), dated 31-05-2002 (w.e.f. 31-05-2002)
5. : Inserted by G.S.R 400(E), dated 31-05-2002 (w.e.f. 31-05-2002)
6. Provided further that the above provisions shall come into force after six months from the publication of the notification. : Inserted by G.S.R 400(E), dated 31-05-2002 (w.e.f. 31-05-2002)

115(11) ~ Mass Emission Standards Bharat Stage - II.

Mass Emission Standards for vehicles other than Two and Three wheeler vehicles with Bharat Stage II as follows.

(A) Motor Cars with seating capacity up to 6 persons & GVM not exceeding 2500 kg.

Motor Cars with seating capacity of and up to 6 persons (including driver) and Gross Vehicle Mass (GVM) not exceeding 2500 kg.

	Standards (Type Approval=COP)(g/km)		
Vehicles with	CO	(HC+NO _x)	PM
Gasoline engine	2.2	0.5	—
Diesel engine	1.0	0.7	0.08

(B) Four-Wheeler Passenger Vehicles with GVW 2500 to 3500 kg & carry more than 6 persons

Four-Wheeler Passenger Vehicles with GVW equal to or less than 3500 kg and designed to carry more than 6 persons (including driver) or maximum mass of which exceeds 2500 kg.

Class	Ref. Mass(rw) kg	Limit Values for Type Approval (TA) as well as COP				
		Mass of CO (g/km)		Mass of HC+Nox (gm/km)		Mass of PM
		Gasoline	Diesel	Gasoline	Diesel	Diesel
I	rw<1250	2.2	1	0.5	0.7	0.08

II	1250<rw<1700	4	1.25	0.6	1	0.12
III	1700<rw	5	1.5	0.7	1.2	0.17

Notes.—

1. The test including driving cycle shall be as per sub-rule (10), with the modifications that:—**Notes:—**

- i. there shall be no relaxation of norms for COP purposes,
 - ii. the tests shall be on Chassis dynamometer,
 - iii. the driving cycle shall be at a maximum speed of 90 kmph, and
 - iv. the reference fuel shall be of a maximum of 0.05% sulphur content.
2. Commercial fuel for meeting above norms shall be upto 0.05% mass maximum sulphur content.
3. There shall be no crankcase emissions for petrol-driven vehicles.
4. Evaporative emission shall not be more than 2.0g/ test from petrol-driven
5. For the above vehicles when fitted with catalytic converter deterioration factor shall be as follows:—

Gasoline engines: CO=1.2; (HC+NO_x)=1.2;

Diesel engines: CO= 1.1; (HC+NO_x)=1.0; PM=1.2:

Provided that the vehicle manufacturers may opt for an ageing test of 80,000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government.

6. For diesel engine vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption coefficient for

various nominal flows as in Annexure I to rule 115(9) when tested at constant speeds over full load.]

(C) Four-Wheeled Vehicles (other than passenger vehicles) with GVW upto 3500 kg.

Four-Wheeled Vehicles (other than passenger vehicles) with GVW equal to or less than 3500 kg shall conform the following norms:

ENGINE DYNAMOMETER TEST

<i>Limit Values for Type Approval (TA) as well as (COP)</i>			
<i>CO(g/kWh)</i>	<i>HC (g/kWh)</i>	<i>NOx (g/kWh)</i>	<i>PM (g/kWh)</i>
4.0	1.1	7.0	0.15

Or Chassis Dynamometer Test

<i>Class</i>	<i>Ref. Mass (RM) Kg</i>	<i>Mass of CO (g/km)</i>		<i>Mass of HC+NOx (g/km)</i>		<i>Mass of PM(g/km)</i>
	RM	Gasoline	Diesel	Gasoline	Diesel	
I	RM < 1250	2.2	1.0	0.5	0.7	0.08
II	1250 < RM < 1700	4.0	1.25	0.6	1.0	0.12
III	1700 < RM	5.0	1.5	0.7	1.2	0.17

Notes.—

1. (a) There shall be no relaxation for COP purposes.
- (b) The tests shall be carried out on the engine dynamometer operation as specified in Annexure IV-A of the rules. The tests on Chassis dynamometer shall be as per the driving cycle given in Note of clause (B) of sub-rule (11) of rule 115.
- (c) The reference fuel shall be of a maximum of 0.05% mass sulphur content.
2. Commercial fuel for meeting above norms shall be up to 0.05% maximum mass sulphur content.
3. For diesel engined vehicles the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption coefficient for various nominal flows as in Annexure I to sub-rule (9) of rule 115 when tested at constant speeds over full load. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.
4. For diesel engined vehicles, the free acceleration smoke for naturally aspirated and turbo- charged engines shall not exceed the smoke density limit value as in clause (c) of sub-rule (2) of rule 115.
5. There shall be no crankcase emissions for petrol engined vehicles.
6. Evaporative emission shall not be more than 2.0g/ test from petrol engined vehicles.]

(D) Vehicles with GVW exceeding 3500kg.

[\[Vehicles with GVW exceeding 3500kg shall conform the following norms:](#)

<i>Limit Values for Type Approval (TA) as well as (COP)</i>			
CO(g/k Wh)	HC(g/k Wh)	NO_x(g/k Wh)	PM(g/k Wh)
4.0	1.1	7.0	0.15

Notes.—

1. (a) There shall be no relaxation for COP purposes.

(b) The tests shall be carried out on the engine dynamometer operation as specified in Annexure IV-A of the rules.

(c) The reference fuel shall be of a maximum of 0.05% mass sulphur content.

2. Commercial fuel for meeting above norms shall be up to 0.05% mass maximum sulphur content.

3. For diesel engined vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption coefficient for various nominal flow as in Annexure I to sub-rule (9) of rule 115 when tested at constant speeds over full load. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

4. For diesel engined vehicles, the free acceleration smoke for naturally aspirated and turbo-charged engines shall not exceed the smoke density limit value as in clause (c) of sub-rule (2) of rule 115.]

1. Mass Emission Standards for vehicles other than Two and Three wheeler vehicles with Bharat Stage II as follows. : Inserted by GSR 77(E), dt. 31/01/2000 brought into force in the National Capital Region w.e.f. 01/04/2000 and in Mumbai w.e.f. 01/01/2001 and in Culcutta & Chennai w.e.f. 01/07/2001 by GSR 779(E) dtd. 29/08/2000) [Download GSR 77(E)]

2. Motor Cars with seating capacity of and up to 6 persons (including driver) and Gross Vehicle Mass (GVM) not exceeding 2500 kg. : Inserted by GSR 77(E), dt. 31/01/2000 [Download GSR 77(E)] brought into force in the National Capital Region w.e.f. 01/04/2000 and in Mumbai w.e.f. 01/01/2001 and in Culcutta & Chennai w.e.f. 01/07/2001 by GSR 779(E) dtd. 29/08/2000)

3. [Four-Wheeler Passenger Vehicles with GVW equal to or less than 3500 kg and designed to carry more than 6 persons (including driver) or maximum mass of which exceeds 2500 kg. : Inserted by GSR 77(E), dt. 31/01/2000 [Download GSR 77(E)] brought into force in the National Capital Region w.e.f. 01/04/2000 and in Mumbai w.e.f. 01/01/2001 and in Culcutta & Chennai w.e.f. 01/07/2001 by GSR 779(E) dtd. 29/08/2000)

4. [Four-Wheeled Vehicles (other than passenger vehicles) with GVW equal to or less

than 3500 kg shall conform the following norms: : Inserted by GSR 286(E), dt.

24/04/2001 (w.e.f. 24/04/2001) [Download GSR 286(E)]

5. [Vehicles with GVW exceeding 3500kg shall conform the following norms: : Inserted by GSR 286(E), dt. 24/04/2001 (w.e.f. 24/04/2001) [Download GSR 286(E)]

115(12) ~ Mass Emission Standards for BS-II Two & Three Wheeled vehicles.

Mass emission standards (Bharat stage II) for two-wheeler and three-wheeler manufactured on and from 1st april, 2005 shall be as follows in the below table, namely.

BS II Emission standard for 2 & 3 Wheelers.

TABLE

<i>Vehicle Category</i>	<i>Pollutants</i>	<i>TA = COP norms</i>	<i>TA = COP D.F.</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>
Two-wheeler (Petrol)	CO	1.50	1.2
	HC+NO _x	1.50	1.2
Three-wheeler (Petrol)	CO	2.25	1.2
	HC+NO _x	2.00	1.2
Two-wheeler and three-wheeler (Diesel)	CO	1.00	1.1
	HC+NO _x	0.85	1.0
	PM	0.10	1.2

* Deterioration Factor, see para (c) below.

(a) The test shall be as per the Indian Driving Cycle with cold start on chassis dynamometer as specified in the Table given below by testing agencies, namely:

<u>Test Cell Conditions</u>	<u>Petrol two-wheeler and three-wheeler</u>	<u>Diesel two-wheeler and three-wheeler</u>
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>
<u>Soak Temperature</u>	<u>20-30° C</u>	<u>20-30° C</u>
<u>Soak period</u>	<u>6-30 hours</u>	<u>6-30 hours</u>
<u>Preparatory running before sampling</u>	<u>Idling of 40 seconds and 4 cycles</u>	<u>Idling of 40 seconds</u>
<u>No. of test cycles</u>	<u>6</u>	<u>6</u>
<u>Breakdown of cycles</u>	<u>Indian Driving Cycle as per Annexure II to principal rule</u>	<u>Indian Driving Cycle as per Annexure II to principal rule</u>

(b) Reference fuel for testing shall be in line with that in the ECE;

(c) (i) For all types of two-wheeler and three-wheeler petrol vehicles, a deterioration factor as specified in column (4) in the Table in this sub-rule shall be applicable for durability:

Provided that the vehicle manufacturer may opt for an ageing test of 30,000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government from time to time;

(ii) For all types of two-wheeler and three-wheeler diesel vehicles, a deterioration factor as specified in column (4) in the Table in this sub-rule shall be applicable for durability:

Provided that the vehicle manufacturer may opt for an ageing test of 30,000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government from time to time;

(d) For diesel engine vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption co-efficient for various nominal flow as indicated in Annexure I to sub-rule (9) of rule 115 when tested at constant speed over full load;

(e) COP frequency and samples:—

<u>Sl. No.</u>	<u>Type of Vehicle</u>	<u>Annual Production</u>		<u>COP</u>
		<u>Exceeding</u>	<u>Upto</u>	
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	
<u>1.</u>	<u>Two-wheeler and three-wheeler</u>	<u>250 per 6 months</u>	<u>10000 per year</u>	<u>Once every</u>
<u>2.</u>	<u>Two-wheeler</u>	<u>100000 per year</u>	<u>150000 per 6 months</u>	<u>Once every</u>
<u>3.</u>	<u>Two-wheeler</u>	<u>150000 per 6 months</u>	<u>=</u>	<u>Once every</u>
<u>4.</u>	<u>Three-wheeler</u>	<u>10000 per year</u>	<u>75000 per 6 months</u>	<u>Once every</u>
<u>5.</u>	<u>Three-wheeler</u>	<u>75000 per 6 months</u>	<u>=</u>	<u>Once every</u>

For production volumes of less than 250 per 6 months the method as prescribed in the proviso to rule 126-A shall apply;

(f) Testing procedures shall be in accordance with the reference document MOST/CMVR/TAP-115/116 as amended from time to time by the Government of India in the Ministry of Road Transport and Highways.

Date of Implimentation for diesel vehicles (BS II - 2 & 3 Wheelers).

Provided that Mass Emission Standards (Bharat Stage II) for diesel driven two-wheeler and three-wheeler shall come into force on the dates specified against each of the States in Table below:

<i>SI. No.</i>	<i>State</i>	<i>Date</i>
1	Rajasthan	1st June, 2005
	Uttar Pradesh - Mathura, Kannauj, Muzaffarnagar, Aligarh, Farukkabad, Saharanpur, Badaun, Barreily, Moradabad, Hathras, Rampur, Bijnor, Agra, Pilibhit, J.P. Nagar, Mainpuri, Lalitpur, Hardoi, Firozabad, Jhansi, Shahjahanpur, Eta wall, Jalon, Lakhirnpur Kheri, Etah, Mahoba and Sitapur	1st June, 2005
3	Uttaranchal	1st July, 2005
4	Madhya Pradesh	1st September, 2005
5	Himachal Pradesh	1st October, 2005
6	Jammu and Kashmir	1st October, 2005
7	Punjab	1st October, 2005.]

1. Mass emission standards (Bharat stage II) for two-wheeler and three-wheeler manufactured on and from 1st april, 2005 shall be as follows in the below table, namely:
: Sub rule (12) Inserted by GSR 720(E), dt. 10/09/2003 (w.e.f. 10/09/2003) [Download GSR 720(E)]
 2. The test shall be as per the Indian Driving Cycle with cold start on chassis dynamometer as specified in the Table given below by testing agencies, namely:
: Inserted by GSR 720(E), dt. 10/09/2003 (w.e.f. 10/09/2003) [Download GSR 720(E)]
 3. Test Cell Conditions Petrol two-wheeler and three-wheeler Diesel two-wheeler and three-wheeler (1) (2) (3) Soak Temperature 20-30° C 20-30° C Soak period 6-30 hours 6-30 hours Preparatory running before sampling Idling of 40 seconds and 4 cycles Idling of 40 seconds No. of test cycles 6 6 Breakdown of cycles Indian Driving Cycle as per Annexure II to principal rule Indian Driving Cycle as per Annexure II to principal rule (b) Reference fuel for testing shall be in line with that in the ECE; (c) (i) For all types of two-wheeler and three-wheeler petrol vehicles, a deterioration factor as specified in column (4) in the Table in this sub-rule shall be applicable for durability: Provided that the vehicle manufacturer may opt for an ageing test of 30,000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government from time to time; (ii) For all types of two-wheeler and three-wheeler diesel vehicles, a deterioration factor as specified in column (4) in the Table in this sub-rule shall be applicable for durability: Provided that the vehicle manufacturer may opt for an ageing test of 30,000 kms for evaluating deterioration factor, as per procedure that may be laid down by the Central Government from time to time; (d) For diesel engine vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption co-efficient for various nominal flow as indicated in Annexure I to sub-rule (9) of rule 115 when tested at constant speed over full load; (e) COP frequency and samples:—
- | Sl. No. | Type of Vehicle | Annual Production | COP Frequency | Exceeding Upto |
|---------|-----------------|---------------------|---------------------|----------------|
| (1) | Two-wheeler | 10000 per year | Once every year | |
| (2) | Three-wheeler | 100000 per year | Once every 6 months | |
| (3) | Two-wheeler | 150000 per 6 months | Once every 3 months | |
| (4) | Three-wheeler | 10000 per year | Once every 6 months | |
| (5) | Three-wheeler | 75000 per 6 months | Once every 3 months | |
- For production volumes of less than 250 per 6 months the method as prescribed in the proviso to rule 126-A shall apply; : Inserted by GSR 720(E), dt. 10/09/2003 (w.e.f. 10/09/2003) [Download GSR 720(E)]

4. (f) Testing procedures shall be in accordance with the reference document MOST/CMVR/TAP-115/116 as amended from time to time by the Government of India in the Ministry of Road Transport and Highways. : Inserted by GSR 720(E), dt. 10/09/2003 (w.e.f. 10/09/2003) [Download GSR 720(E)]
5. Provided that Mass Emission Standards (Bharat Stage II) for diesel driven two-wheeler and three-wheeler shall come into force on the dates specified against each of the States in Table below: : Inserted by GSR 200(E), dt. 01/04/2005 (w.e.f. 01/04/2005) [Download GSR 200(E)]

115(13) ~ Implimentation of BS-II Mass Emission Standard for 4 Wheeled Vehicles.

[Without prejudice to the provisions contained in clause (a) of sub-rule (2) of rule 1 of the Central Motor Vehicles (3rd Amendment) Rules, 2000 and clause (a) of sub-rule (ii) of rule 1 of the Central Motor Vehicles (2nd Amendment) Rules, 2001, notifications number S.O. 779(E), dated 29th August, 2000 and number S.O. 90(E), dated 27th January, 2003, issued under clause (b) of sub-rule (2) of rule 1 of the Central Motor Vehicles (3rd Amendment) Rules, 2000, notifications number S.O. 731(E), dated 21st July, 2001, number S.O. 801(E), dated 26th July, 2002 and number S.O. 940(E), dated 4th September, 2002, issued under clause (b) of sub-rule (ii) of rule 1 of the Central Motor Vehicles (2nd Amendment) Rules, 2001 and notification number S.O. 91(E), dated 27th January, 2003, issued under clause (b) of sub-rule (2) of rule 1 of the Central Motor Vehicles (3rd Amendment) Rules, 2000 and clause (b) of sub-rule (ii) of rule 1 of the Central Motor Vehicles (2nd Amendment) Rules, 2001, the provisions of sub-rule (11) shall, in respect of four-wheeled vehicles manufactured on and from the 1st April, 2005, come into force in all States and Union Territories on the 1st day of April, 2005:]

Provided that provisions of sub-rule (11) shall, in respect of four-wheeled vehicles to be registered in Sholapur and Lucknow, come into force in Sholapur and Lucknow from the 1st June, 2004:

Provided further that the above said provision shall not apply in respect of four-wheeled transport vehicles plying from Sholapur to other parts of the State of Maharashtra or from Lucknow to the other parts of the State of Uttar Pradesh; or on inter-State or National Permit or on the All India Tourist Permit, within the territorial jurisdiction of the said cities:]

Provided that Mass Emission Standards (Bharat Stage II) for diesel driven four wheeled vehicles shall come into force on the dates specified against each of the States in Table below:-

Table

<i>SI. No.</i>	<i>State</i>	<i>Date</i>
1	Rajasthan	1st June, 2005
	Uttar Pradesh - Mathura, Kannauj, Muzaffarnagar, Aligarh, Farukkabad, Saharanpur, Badaun, Barreily, Moradabad, Hathras, Rampur, Bijnor, Agra, Pilibhit, J.P. Nagar, Mainpuri, Lalitpur, Hardoi, Firozabad, Jhansi, Shahjahanpur, Etah wall, Jalon, Lakhimpur Kheri, Etah, Mahoba and Sitapur	1st June, 2005
3	Uttaranchal	1st July, 2005
4	Madhya Pradesh	1st September, 2005
5	Himachal Pradesh	1st October, 2005
6	Jammu and Kashmir	1st October, 2005
7	Punjab	1st October, 2005.]

1. [Without prejudice to the provisions contained in clause (a) of sub-rule (2) of rule 1 of the Central Motor Vehicles (3rd Amendment) Rules, 2000 and clause (a) of sub-rule (ii) of rule 1 of the Central Motor Vehicles (2nd Amendment) Rules, 2001, notifications number S.O. 779(E), dated 29th August, 2000 and number S.O. 90(E), dated 27th January, 2003, issued under clause (b) of sub-rule (2) of rule 1 of the Central Motor Vehicles (3rd Amendment) Rules, 2000, notifications number S.O. 731(E), dated 21st

July, 2001, number S.O. 801(E), dated 26th July, 2002 and number S.O. 940(E), dated 4th September, 2002, issued under clause (b) of sub-rule (ii) of rule 1 of the Central Motor Vehicles (2nd Amendment) Rules, 2001 and notification number S.O. 91(E), dated 27th January, 2003, issued under clause (b) of sub-rule (2) of rule 1 of the Central Motor Vehicles (3rd Amendment) Rules, 2000 and clause (b) of sub-rule (ii) of rule 1 of the Central Motor Vehicles (2nd Amendment) Rules, 2001, the provisions of sub-rule (11) shall, in respect of four-wheeled vehicles manufactured on and from the 1st April, 2005, come into force in all States and Union Territories on the 1st day of April, 2005:] :

Inserted by GSR 927(E), dt. 05/12/2003 (w.e.f. 05/12/2003). [Download GSR 927(E)]

2. Provided that provisions of sub-rule (11) shall, in respect of four-wheeled vehicles to be registered in Sholapur and Lucknow, come into force in Sholapur and Lucknow from the 1st June, 2004: : Inserted by GSR 200(E), dt. 18/03/2004 (w.e.f. 01/06/2004). [Download GSR 200(E)]

3. : Inserted by GSR 200(E), dt. 18/03/2004 (w.e.f. 01/06/2004). [Download GSR 200(E)]

4. Provided further that the above said provision shall not apply in respect of four-wheeled transport vehicles plying from Sholapur to other parts of the State of Maharashtra or from Lucknow to the other parts of the State of Uttar Pradesh; or on inter-State or National Permit or on the All India Tourist Permit, within the territorial jurisdiction of the said cities:] : Inserted by GSR 200(E), dt. 18/03/2004 (w.e.f. 01/06/2004). [Download GSR 200(E)]

5. Provided that Mass Emission Standards (Bharat Stage II) for diesel driven four wheeled vehicles shall come into force on the dates specified against each of the States in Table below:- : Inserted by GSR 200(E), dt. 01/04/2005 (w.e.f. 01/04/2005) [Download GSR 200(E)]

6. : Inserted by GSR 200(E), dt. 01/04/2005 (w.e.f. 01/04/2005) [Download GSR 200(E)]

7. Table : Inserted by GSR 200(E), dt. 01/04/2005 (w.e.f. 01/04/2005) [Download GSR 200(E)]

8. 1st July, 2005 : Substituted by GSR 247(E), dt. 27/04/2005 (w.e.f. 27/04/2005) [Download GSR 247(E)]

115(14) ~ Mass Emission Standards Bharat Stage - III.

The Mass Emission Standards for Bharat Stage III shall be as under:—

(A) - Motor cars with seating capacity up to six persons & GVW upto 2500 kg.

Motor cars with seating capacity of and up to six persons (including driver) and Gross Vehicle Weight not exceeding 2500 kg.

<i>Vehicles with</i>	<i>Limit Values for Type Approval (TA) as well as COP (g/km)</i>				
	<i>CO</i>	<i>HC</i>	<i>NOx</i>	<i>HC+Nox</i>	<i>PM</i>
Gasoline	2.30	0.20	0.15	--	--
Diesel engine	0.64	--	0.50	0.56	0

(B) *Four-Wheeler Passenger Vehicles with GVW upto 3500 kg & carry more than 6 persons or GVM exceeds 2500 kg.*

Four-Wheeler Passenger Vehicles with Gross Vehicle Weight equal to or less than 3500 kg and designed to carry more than six persons (including driver) or maximum mass of which exceeds 2500 kg.

		<i>Limit Values for Type Approval (TA) (g/km) as well as COP (g/ km)</i>							
		<i>CO</i>		<i>HC</i>		<i>NOx</i>		<i>HC+NOx</i>	
<i>Class</i>	<i>Ref. Mass(rw) kg</i>	<i>Gasoline</i>	<i>Diesel</i>	<i>Gasoline</i>	<i>Diesel</i>	<i>Gasoline</i>	<i>Diesel</i>	<i>Gasoline</i>	<i>Diesel</i>
I	rw<1305	2.30	0.64	0.20	--	0.15	0.50	--	0.56

II	1305<rw <1760	4.17	0.80	0.25	--	0.18	0.65	--	0.72
III	1760<rw	5.22	0.95	0.29	--	0.21	0.78	--	0.86

Notes.-

1. The test shall be on Chassis Dynamometer.
2. The test including driving cycle shall be as per sub-rule (10), with the modifications that-
 - i. the exhaust gas sampling should start at the initiation of the engine start up procedure (refer Annexure IV-E);
 - ii. the driving cycle shall be at a maximum speed of 90 kmph (refer Annexure IV-E for the detailed cycle).
3. There shall be no relaxation of norms for COP purposes.
4. In case of vehicles operating on CNG or LPG all the provisions prescribed in rules 115 - B and 115-C shall be applicable except that the norms to be complied with shall be as per these rules.
5. The reference fuel shall be as specified in Annexure IV-F, Annexure IV-G, Annexure IVH and Annexure IVI for diesel, petrol, LPG and CNG, respectively.
6. There shall be no crankcase emissions for petrol driven vehicles.
7. Evaporative Emission shall not be more than 2.0 g/test from petrol-driven vehicles. The Evaporative Emission test procedure for vehicles with positive-ignition engines shall be as described in Annexure VI of European Economic Community (EEC) Directive 70/220/EEC last amended by 98/69/EC.
8. The Conformity of Production (COP) testing procedure shall be as described in section.7 of Annexure I of EEC Directive 70/220/EEC (Refer Appendix 1 or Appendix 2

as applicable) last amended by 98/69/EC.

9. The COP frequency and samples:-

i. The COP period for each vehicle model including its variants shall be once in a year.

ii. For production volume of less than 250 for six months, the method as prescribed in the provisos to rule 126-A shall apply.

10. The vehicles meeting the above norms shall use commercial fuel as per BIS specification IS:1460-2000 (Amendment No. I-January, 2003) (Fourth Revision) for Diesel and IS:2796-2000 (Amendment No. II-February, 2003) (Third Revision) for Gasoline.

11. For the vehicles described in clauses (A), (B) and (C) of this sub-rule, deterioration factor shall be as given below:

<i>Engine category</i>	<i>Deterioration factors</i>				
	CO	HC	NO_x	HC+NO_x	PM
Gasoline/Gas Engine	1.2	1.2	1.2	--	--
Diesel Engine	1.1	--	1.0	1.0	1.2

(i) Alternatively, the vehicle manufacturers may opt for an ageing test of 80,000 kms for evaluating deterioration factor, as described in Annexure VII of European Economic Community Directive 70/220/EEC last amended by 98/69/EC with the following exceptions.

(a) The maximum lap speed at 10th lap will be 72 km/h

(b) The maximum lap speed at 11th lap will be 90 km/h

(ii) The above ageing test should be carried out by the approved test agency.

12. For diesel vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption co-efficient for various normal flows as given in Annexure I of sub-rule (9) when tested at constant speeds over full load. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

13. In case of diesel vehicles, the engine power shall be measured on engine dynamometer and the measured power shall not differ from the specified power as given below:

i. For Type approval: $\pm 5\%$ at maximum power point and $\pm 10\%$ at other measurement points for single cylinder engines. $\pm 2\%$ at maximum power point and $+6\%$ and -2% at other measurement points for all other engines.

ii. Testing procedures shall be in accordance with Chapter 6 of Part IV of the reference document MOST/CMVR/TAP-115/116 as amended from time to time by the Government of India in the Ministry of Shipping, Road Transport and Highways.

14. The vehicles described in clauses (A), (B) and (C) of this sub-rule should comply with rule 115(2).

(C) *Four-Wheeled Vehicles (other than passenger vehicles) with GVW upto 3500 kg.*

Four-wheeled Vehicle (other than passenger vehicles) with Gross Vehicle Weight equal to or less than 3500 kg shall conform to the following norms:

		<i>Limit Values for Type Approval (TA) (g/km) as well as COP</i>							
		<i>(g/ km)</i>							
		<i>CO</i>		<i>HC</i>		<i>NOx</i>		<i>HC+NOx</i>	
<i>Class</i>	<i>Ref. Mass(rw) kg</i>	<i>Gasoline</i>	<i>Diesel</i>	<i>Gasoline</i>	<i>Diesel</i>	<i>Gasoline</i>	<i>Diesel</i>	<i>Gasoline</i>	<i>Diesel</i>
I	rw<1305	2.30	0.64	0.20	--	0.15	0.50	--	0.56
II	1305<rw <1760	4.17	0.80	0.25	--	0.18	0.65	--	0.72
III	1760<rw	5.22	0.95	0.29	--	0.21	0.78	--	0.86

Notes.-

1. The test shall be on Chassis Dynamometer.
2. The test including driving cycle shall be as per sub-rule (10), with the modifications that-
 - i. the exhaust gas sampling should start at the initiation of the engine start up procedure (refer Annexure IV-E);
 - ii. the driving cycle shall be at a maximum speed of 90 kmph (refer Annexure IV-E for the detailed cycle).
3. There shall be no relaxation of norms for COP purposes.
4. In case of vehicles operating on CNG or LPG all the provisions prescribed in rules 115 - B and 115-C shall be applicable except that the norms to be complied with shall be as per these rules.

5. The reference fuel shall be as specified in Annexure IV-F, Annexure IV-G, Annexure IVH and Annexure IVI for diesel, petrol, LPG and CNG, respectively.
6. There shall be no crankcase emissions for petrol driven vehicles.
7. Evaporative Emission shall not be more than 2.0 g/test from petrol-driven vehicles. The Evaporative Emission test procedure for vehicles with positive-ignition engines shall be as described in Annexure VI of European Economic Community (EEC) Directive 70/220/EEC last amended by 98/69/EC.
8. The Conformity of Production (COP) testing procedure shall be as described in section.7 of Annexure I of EEC Directive 70/220/EEC (Refer Appendix 1 or Appendix 2 as applicable) last amended by 98/69/EC.
9. The COP frequency and samples:-
 - i. The COP period for each vehicle model including its variants shall be once in a year.
 - ii. For production volume of less than 250 for six months, the method as prescribed in the provisos to rule 126-A shall apply.
10. The vehicles meeting the above norms shall use commercial fuel as per BIS specification IS:1460-2000 (Amendment No. I-January, 2003) (Fourth Revision) for Diesel and IS:2796-2000 (Amendment No. II-February, 2003) (Third Revision) for Gasoline.
11. For the vehicles described in clauses (A), (B) and (C) of this sub-rule, deterioration factor shall be as given below:

<i>Engine category</i>	<i>Deterioration factors</i>				
	CO	HC	NO_x	HC+NO_x	PM
Gasoline/Gas Engine	1.2	1.2	1.2	--	--

Diesel Engine	1.1	--	1.0	1.0	1.2
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(i) Alternatively, the vehicle manufacturers may opt for an ageing test of 80,000 kms for evaluating deterioration factor, as described in Annexure VII of European Economic Community Directive 70/220/EEC last amended by 98/69/EC with the following exceptions.

(a) The maximum lap speed at 10th lap will be 72 km/h

(b) The maximum lap speed at 11th lap will be 90 km/h

(ii) The above ageing test should be carried out by the approved test agency.

12. For diesel vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value to smoke density, when expressed as light absorption co-efficient for various normal flows as given in Annexure I of sub-rule (9) when tested at constant speeds over full load. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

13. In case of diesel vehicles, the engine power shall be measured on engine dynamometer and the measured power shall not differ from the specified power as given below:

- i. For Type approval: $\pm 5\%$ at maximum power point and $\pm 10\%$ at other measurement points for single cylinder engines. $\pm 2\%$ at maximum power point

and + 6% and -2% at other measurement points for all other engines.

- ii. Testing procedures shall be in accordance with Chapter 6 of Part IV of the reference document MOST/CMVR/TAP-115/116 as amended from time to time by the Government of India in the Ministry of Shipping, Road Transport and Highways.

14. The vehicles described in clauses (A), (B) and (C) of this sub-rule should comply with rule 115(2).

(D) - Diesel vehicles with GVW exceeding 3500 kg.

Diesel vehicles with GVW exceeding 3500 kg shall conform to the following norms:

<i>Limit Values for Type Approval (TA) as well as (COP)</i>				
Engine Steady State Cycle (ESC) test				Engine Load Response (ELR) Test
<i>CO (g/kWh)</i>	<i>HC (g/Kwh)</i>	<i>NOx (g/kWh)</i>	<i>PM (g/kWh)(2)</i>	<i>Smoke (m-1) (2)</i>
2.1	0.66	5.0	0.10/0.13 (1)	0.8

(1) For engines having swept volume of less than 0.75 litre per cylinder and a rated power speed of more than 3000 rpm.

(2) For diesel engines only.

Notes.—

1. The test shall be on engine dynamometer.
2. There shall be no relaxation of norms for COP purposes.

3. The gaseous and particulate emissions are to be determined on the ESC test as described in EEC document 1999/96/EC.
4. The smoke opacity is to be determined on the ELR test as described in EEC document 1999/96/EC.
5. In case of vehicles operating on CNG or LPG mode all the provisions prescribed in rules 115-B and 115-C shall be respectively applicable, except that limiting value shall be as per clause (D) above.
6. The reference fuel shall be as specified in Annexure IV-F, Annexure IV-H and Annexure IV-I for diesel, LPG and CNG, respectively.
7. The Conformity of Production (COP) testing procedure shall be as described in section 9 of Annexure I of EEC Directive 88/77/EEC last amended by 1999/96/EC.
8. The COP frequency and samples:—
 - i. The COP period for each engine model including its variants shall be once in a year.
 - ii. For production volume of less than 250 for six months, the method as prescribed in the provisos to rule 126-A shall apply.
9. For diesel engine vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value of smoke density, as per Annexure I to rule 115(9). These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.
10. The vehicles meeting the above norms shall use commercial fuel as per BIS specification IS:1460-2000 (Amendment No. I—January, 2003) (Fourth Revision) for Diesel and IS:2796- 2000 (Amendment No. II—February, 2003) (Third Revision) for Gasoline.
11. In case of diesel vehicles, the engine power shall be measured on engine dynamometer and the measured power shall not differ from the specified power as given below:
 - i. For Type approval: $\pm 2\%$ at maximum power point and $+6\%$ and -2% at other measurement points.

- ii. For conformity of production: -5%/+8% at maximum power point.
- iii. Testing procedures shall be in accordance with Chapter 6 of Part IV of the reference document MOST/CMVR/TAP-115/116 as amended from time to time by the Government of India in the Ministry of Shipping, Road Transport and Highways.

12. The vehicles mentioned in clause (D) shall also comply with rule 115(2).

(E) - Diesel vehicles with GVW exceeding 3500 kg & fitted with advanced exhaust.

Diesel vehicle with GVW exceeding 3500 kg. and fitted with advanced exhaust after treatment system including De-NOx catalyst and / or particulate trap shall additionally conform to the following norms:

<i>Limit Values for Type Approval (TA) as well as (COP)</i>			
Engine Transient Cycle (ETC)			
<i>CO (g/kWh)</i>	<i>HC (g/Kwh)</i>	<i>NOx (g/kWh)</i>	<i>PM (g/kWh)(2)</i>
5.45	0.78	5.0	0.16/0.21 (3)

(3) For engines having volume of less than 0.75 litre per cylinder and rated power speed of more than 3000rpm.

Notes.—

1. The test shall be on engine dynamometer.
2. The shall be no relaxation for COP purpose.
3. The gaseous and particular emissions are to be determined on the ETC test as described in EEC document 1999/96/EC and comply with the norms given below.

4. In addition, the gaseous and particulate emission are to be determined on the ESC test as described in EEC document 1999/96/EC and meet the prescribed gaseous and particular emission norms as given in clause(D).
5. In addition, the smoke opacity is to determined on the ELR test as described in EEC document 1999/96/EC and meet the prescribed smoke density norms as given in clause (D).
6. The reference fuel shall be as specified in Annexure IV-F.
7. The conformity of production (COP) testing procedure shall be as described in section 9 of Annexure I of EEC Directive 88/77/EEC last amended by 1999/96/EC
8. The COP frequency and samples:—
 - i. The COP period for each engine model including its variants shall be once in a year.
 - ii. For production volume of less than 250 for six months, the method as prescribed in the provisos to rule 126-A shall apply.
9. For diesel engine vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value of smoke density, as per Annexure I to rule 115(9). These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.
10. The vehicles meeting the above norms shall use commercial fuel as per BIS specification IS:1460-2000 (Amendment No. 1—January, 2003) (Fourth Revision) for Diesel.
11. In case of diesel vehicles, the engine power shall be measured on engine dynamometer and the measured power shall meet the requirements as given below:
 - i. For type approval: $\pm 2\%$ at maximum power point and $+6\%$ and -2% at other measurement points.
 - ii. For conformity of production: -5% / $+8\%$ at maximum power point.
 - iii. Testing procedures shall be in according with Chapter 6 of Part IV of the reference document MOST /CMVR /TAP-115/116 as amended from time to time

by the Government of India in the Ministry of Shipping, Road Transport and Highways.

12. The vehicles mentioned in clause (E) shall also comply with rule 115(2).]

(F) BS-III Emission Standard for quadricycles, 2 & 3 Wheeled vehicles.

(i) The mass Emission Standards (Bharat Stage-III) as specified in sub-clause (iii), shall be applicable in the National Capital Region and the cities of Mumbai, Kolkata, Chennai, Bangalore, Hyderabad, including Secunderabad, Ahmedabad, Pune, Surat, Kanpur, Agra, Sholapur and Lucknow in respect of two and three wheeler vehicles manufactured on or after 1st October, 2014];

(ii) The Mass Emission Standards (Bharat Stage-iii) as specified in sub-clause (iii), shall be applicable in all the States and the Union Territories except National Capital Region and the cities of Mumbai, Kolkata, Chennai, Bangalore, Hyderabad including secunderabad, Ahmedabad, Pune, Surat, Kanpur, Agra, Sholapur and Lucknow in respect of two and three wheeler manufactured on or after [1st October, 2010 and quadricycles manufactured on or after 1st October, 2014]

(iii) The Mass Emission Standards Bharat Stage-III for [two wheelers, three wheelers and quadricycles] vehicles shall be as under:-

<i>Vehicle Category</i>	<i>Pollutants</i>	<i>TA = COP norms (g/km)</i>	<i>D. F. (Deterioration Factor)</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>
Two-wheelers	CO	1.0	1.2
(Gasoline)	HC+NO _x	1.0	1.2
[Three wheelers	CO	1.25	1.2
	HC+NO _x	1.25	1.2

And quadricycles] (Gasoline)			
Two-wheelers	CO	0.50	1.1
And Three wheelers	HC+NO _x	0.50	1.0
And quadricycles] (Diesel)	PM	0.50	1.2

Notes.—

1. (a) For vehicles operating on CNG mode, the provisions of rule 115-B shall be applicable.

 (b) For vehicles operating on LPG mode, the provisions of rule 115-C shall be applicable
2. The reference fuel for Diesel and Gasoline vehicle shall be as specified in Annexure IV-F and Annexure IV-G respectively and reference fuel for CNG and LPG shall be as available commercially.
3. The commercial fuel for Gasoline and Diesel vehicle shall be as per BIS Specification IS: 1460-2005 (Fifth revision) for diesel and IS: 2796-2008 (Amendment No. I-JANUARY, 2008) (Forth Revision) for Gasoline, Specification for Commercial CNG and LPG shall be as notified from time to time.
4. The provision of clauses (a), (c), (d), (e) and (f) of sub-rule (12) of rule 115, except the provision therein, shall be applicable to the said vehicles.
5. In case of diesel vehicles, the engine power shall be measured on engine dynamometer and the measured power shall conform to the power specified in Chapter 1 of Part IV of MoSRTTH/CMVR/TAP-115/116 as amended from time to time, when tested as per the procedures laid down in Chapter 6 of Part IV MoSRTTH/CMVRIT AP – 115/116 as amended from time to time.

6. (i) Gasoline/CNG/LPG vehicles specified herein shall comply with the provision of clause (i) of sub-rule (2) of rule 115.

(ii) Diesel vehicle specified herein shall comply with clause (ii) of sub –rule (2) of rule 115.

(FA) *Alternate Mass Emission Standards (BS-III) for two wheeler gasoline vehicles.*

Alternate Mass Emission Standards (Bharat Stage-III) for two wheeler gasoline vehicles, with engine capacity exceeding 50cc or a maximum design speed exceeding 50 km/hour, based on worldwide Harmonised Motorcycle Emission Certificate (WMTC) Procedure shall be as under:-

Class	Pollutants	TA=COP norms Including Deterioration Factor(g/km)
(1)	(2)	(3)
Class 1 and Sub-Class 2.1	CO	1.87
	HC+NO _x	1.08
Sub-Class 2.2	CO	2.62
	HC+NO _x	0.92
Sub-Class 3.1	CO	2.62
	HC+NO _x	0.55
Sub-Class 3.2	CO	2.62
	HC+NO _x	0.55

[Provided that the two wheelers manufactured on and after the 1st April 2016 for new types of vehicle models and from the 1st April, 2017 for existing types of vehicle models, for the areas other than those specified in clause (a) of sub-rule (15) of rule 115, shall be type approved as per requirements of sub-rule (16):

Provided further that the Conformity of Production (COP) requirements shall also be as specified in sub-rule (16):]

[Provided also that for new vehicle models of three wheelers manufactured on or after the 1st April, 2016, and for existing vehicle models of three wheelers manufactured on or after 1st April, 2017, for the areas other than those specified in clause (a) of sub-rule (15), shall be as specified in sub-rule (17).]

Provided also that the conformity of production requirements shall also be as specified in Sub-rule (17)].

Explanatory Notes.—

For the purpose of this clause,-

1. Classification of vehicle and weighting factor for final emission result shall be as given below .—

Class	Definition of Class	Cycles	W
Class 1	Engine capacity above 50cc but less than 150cc and vehicle maximum speed equal to or less than 50 km/h	Part 1 Reduced speed cold followed by Part 1 Reduced Speed Hot	Part 1 be 5C
	or Engine capacity less than 150cc and vehicle maximum speed equal to or more than 50 km/h but less than 100 km/h		Part 1 50%

Sub Class 2.1	Engine capacity less than 150cc and vehicle maximum speed equal to or more than 100 km/h but less than 115 km/h or engine capacity 150 cc and above and vehicle maximum speed less than 115 km/h	Part 1 Reduced speed cold followed by Part 1 Reduced Speed Hot	Part 1 50%
Sub Class 2.2	Any engine capacity and vehicle maximum speed equal to or more than 115 km/h but less than 130 km/h	Part 1 cold followed by Part 2 Hot	Part 1 2 Hot
Sub Class 3.1	Any engine capacity and vehicle maximum speed equal to or more than 130 km/h but less than 140 km/h	Part 1 cold followed by Part 2 Hot followed by Part 3 Reduced speed	Part 1 2 Hot Redu
Sub Class 3.2	Any engine capacity and vehicle maximum speed equal to or more than 140 km/h	Part 1 cold followed by Part 2 Hot followed by Part 3	Part 1 2 Hot Redu

2. The test procedure and driving cycles shall be as per United Nations Economic Commission for Europe (UN ECE) Global Technical Regulation (GRT)-2 incorporating Amendment 2, with Preconditioning, soaking and cold start on chassis dynamometer as specified above.

3. Vehicle Preconditioning: Operated through the cycles prescribed as above.

4. Vehicle Soaking: The vehicle shall be stored for not less than six hours and not more than thirty-six hours prior to the cold start Type I test or until the engine oil temperature (To) or the coolant temperature (Tc) or the sparkplug seat/gasket temperature (Tp), only for air cooled engine, equals the air temperature of the soak area.

5. Preparatory running before sampling is not required, sampling starts at T=0 second.

6. Break down of different parts of Worldwide Harmonised Motorcycle Emissions Certification (WMTC) shall be as per the details given in Annexure 5 of Chapter XIII-A of Ministry of Road Transport and Highways/Central Motor Vehicles Rules/Type Approval Procedure -115/116 (MoRTH/CMVR/TAP-115/116).
7. Reference fuel shall be as specified in Annexure IV-G of the said rules.
8. Requirements of durability have been built in the mass emission standards specified above.
9. Conformity of production (Cop) Frequency and sampling shall be as per clause (e) of sub-rule (12) of rule 115 of the said rules.
10. Test procedure shall be in according with Ministry of Road Transport and Highways/Central Motor Vehicles Rules/Type Approval Procedure -115/116 (MoRTH/CMVR/TAP-115/116).
11. The vehicle shall comply with the provision of clause (i) of sub-rule (2) of rule 115 of the said rules.
12. The commercial fuel for gasoline vehicle shall be as per Bureau of Indian Standards specification IS: 2796-2008 for gasoline.

(G) *Implimentation dates of BS-III Vehicles.*

- i. [The provision of this sub-rule in respect of four wheeler vehicles manufacturing on and from the 1st October, 2010 shall apply to all the States and the Union territories except National Capital Region and the cities of Mumbai, Kolkata, Chennai, Bangalore, Hyderabad, including secunderabad, Ahmedabad, Pune, Surat, Kanpur, Agra, Sholapur and Lukknow;\]](#)
- ii. [the provision of this sub-rule in respect of four-wheeled vehicles manufactured on and from the 1st October, 2014 shall be not apply to the cities of Puducherry, Mathura, Vapi, Jamnagar, Ankaleshwar, Hissar, Bharatpur, Daman, Diu, Silvassa, Unnao, Rea Bareilly, Aligarh, Karnal, Valsad, Yamuna Nagar, Kurukshetra, Nizamabad, Medak and Mehboobnagar;\]](#)
- iii. [the provision of this sub-rule in respect of four wheeler vehicles manufactured on and from the 15th July, 2015 shall not apply to the cities of Vrindavan, Kosi, Kalan,](#)

Hindaun city, Dholpur, Ahmednagar, Mahabaleshwar, Lonawala, Palgarh, Dahanu, Talasari, Boisar, Panchagani, Mahad, Nagothana, Indapur, Vizag, Kochi, Trivandrum, Kavaratti, Nagar, Dig, Nadbai, Bhiwani, Jind, Mahendagarh, Hansi, Charki Dadri, Narnaul, Kiruli and Fatehpur Sikri;

- iv. [the provision of this sub-rule in respect of four wheeler vehicles manufactured on and from the 1st October, 2015 shall not apply to the State of Jammu and Kashmir (except Districts of Leh and Kargil), Punjab, Haryana, Himachal Pradesh, Uttarakhand, and districts of Hanumangarh and Sri Ganganagar in the State of Rajasthan and in the districts of Saharanpur, Muzaffarnagar, Bijnaur, Jyotiba Phule Ngar, Rampur, Muradabad, Aligarh, Badaun, Bareilly, Mathura, Mahamayanagar, Etah, Agra, Firozabad, Etawah, Manipuri, Pilibhit, Shamli, Sambhal, Farrukabad, Kannauj, Auriya and Kasganj, in the State of Uttar Pradesh;
- v. the provision of this sub-rule in respect of four wheeler vehicles manufactured on and from the 15th April, 2016 shall not apply to the States of Goa, Kerala, Karnataka, Telangana, Odisha and the Union territories of Daman and Diu, Dadra and Nagar Haveli and Andaman and Nicobar Islands, districts of Mumbai, Thane and Pune in the State of Maharashtra and districts of Surat, Valsad, Sangli and Tapi, in the State of Gujarat;
- vi. the provision of this sub-rule in respect of four-wheeled vehicles manufactured on and from 1st April, 2016 shall not be applicable.]

1. The Mass Emission Standards for Bharat Stage III shall be as under:— : Sub rule (14) Inserted by G.S.R. 686(E), dated 20-10-2004. [Download GSR 686(E)]

2. The mass Emission Standards (Bharat Stage-III) as specified in sub-clause (iii), shall be applicable in the National Capital Region and the cities of Mumbai, Kolkata, Chennai, Bangalore, Hyderabad, including Secunderabad, Ahmedabad, Pune, Surat, Kanpur, Agra, Sholapur and Lucknow in respect of two and three wheeler vehicles manufactured on or after 1st October, 2014]; : Substituted by GSR 443(E), dt. 21/05/2010 (w.e.f. 21/05/2010). [Download GSR 443(E)]

3. [1st October, 2010 and quadricycles manufactured on or after 1st October, 2014] : Substituted for "1st October, 2010" by GSR 99(E), dt. 19/02/2014 (w.e.f. 19/02/2014)

4. [two wheelers, three wheelers and quadricycles] : Substituted by GSR 99(E), dt. 19/02/2014 (w.e.f. 19/02/2014). [Download GSR 99(E)]

5. Alternate Mass Emission Standards (Bharat Stage-III) for two wheeler gasoline

vehicles, with engine capacity exceeding 50cc or a maximum design speed exceeding 50 km/hour, based on worldwide Harmonised Motorcycle Emission Certificate (WMTC) Procedure shall be as under:- : Inserted by GSR 515(E), dt. 29/06/2012 (w.e.f. 29/06/2012). [Download GSR 515(E)]

6. [Provided that the two wheelers manufactured on and after the 1st April 2016 for new types of vehicle models and from the 1st April, 2017 for existing types of vehicle models, for the areas other than those specified in clause (a) of sub-rule (15) of rule 115, shall be type approved as per requirements of sub-rule (16): : Inserted by GSR 431(E), dt. 04/07/2014 (w.e.f. 04/07/2014). [Download GSR 431(E)]

7. : Inserted by GSR 431(E), dt. 04/07/2014 (w.e.f. 04/07/2014). [Download GSR 431(E)]

8. Provided further that the Conformity of Production (COP) requirements shall also be as specified in sub-rule (16):] : Inserted by GSR 431(E), dt. 04/07/2014 (w.e.f. 04/07/2014). [Download GSR 431(E)]

9. [Provided also that for new vehicle models of three wheelers manufactured on or after the 1st April, 2016, and for existing vehicle models of three wheelers manufactured on or after 1st April, 2017, for the areas other than those specified in clause (a) of sub-rule (15), shall be as specified in sub-rule (17).] : Inserted by GSR 487(E), dt. 12/06/2015 (w.e.f. 12/06/2015). [Download GSR 487(E)]

10. : Inserted by GSR 487(E), dt. 12/06/2015 (w.e.f. 12/06/2015). [Download GSR 487(E)]

11. Provided also that the conformity of production requirements shall also be as specified in Sub-rule (17)]. : Inserted by GSR 487(E), dt. 12/06/2015 (w.e.f. 12/06/2015). [Download GSR 487(E)]

12. The provision of this sub-rule in respect of four wheeler vehicles manufacturing on and from the 1st October, 2010 shall apply to all the States and the Union territories except National Capital Region and the cities of Mumbai, Kolkata, Chennai, Bangalore, Hyderabad, including secunderabad, Ahmedabad, Pune, Surat, Kanpur, Agra, Sholapur and Lukknow;] : Inserted by GSR 443(E), dt. 21/05/2010 (w.e.f. 21/05/2010). [Download GSR 443(E)]

13. the provision of this sub-rule in respect of four-wheeled vehicles manufactured on and from the 1st October, 2014 shall be not apply to the cities of Puducherry, Mathura, Vapi, Jamnagar, Ankaleshwar, Hissar, Bharatpur, Daman, Diu, Silvassa, Unnao, Rea Bareilly, Aligarh, Karnal, Valsad, Yamuna Nagar, Kurukshetra, Nizamabad, Medak and Mehboobnagar;] : Inserted by GSR 504(E), dt. 16/07/2014 (w.e.f. 16/07/2014).

[Download GSR 504(E)]

14. the provision of this sub-rule in respect of four wheeler vehicles manufactured on and from the 15th July, 2015 shall not apply to the cities of Vrindavan, Kosi, Kalan, Hindaun city, Dholpur, Ahmednagar, Mahabaleshwar, Lonawala, Palgarh, Dahanu, Talasari, Boisar, Panchagani, Mahad, Nagothana, Indapur, Vizag, Kochi, Trivandrum, Kavaratti, Nagar, Dig, Nadbai, Bhiwani, Jind, Mahendagarh, Hansi, Charki Dadri, Narnaul, Kiruli and Fatehpur Sikri;] : Inserted by GSR 555(E), dt. 14/07/2015 (w.e.f. 14/07/2015). [Download GSR 555(E)]

15. [the provision of this sub-rule in respect of four wheeler vehicles manufactured on and from the 1st October, 2015 shall not apply to the State of Jammu and Kashmir (except Districts of Leh and Kargil), Punjab, Haryana, Himachal Pradesh, Uttarakhand, and districts of Hanumangarh and Sri Ganganagar in the State of Rajasthan and in the districts of Saharanpur, Muzaffarnagar, Bijnaur, Jyotiba Phule Ngar, Rampur, Muradabad, Aligarh, Badaun, Bareilly, Mathura, Mahamayanagar, Etah, Agra, Firozabad, Etawah, Manipuri, Pilibhit, Shamli, Sambhal, Farrukabad, Kannauj, Auriya and Kasganj, in the State of Uttar Pradesh; : Inserted by GSR 643(E), dt. 19/08/2015 (w.e.f. 19/08/2015). [Download GSR 643(E)]

16. : Inserted by GSR 643(E), dt. 19/08/2015 (w.e.f. 19/08/2015). [Download GSR 643(E)]

17. the provision of this sub-rule in respect of four wheeler vehicles manufactured on and from the 15th April, 2016 shall not apply to the States of Goa, Kerala, Karnataka, Telangana, Odisha and the Union territories of Daman and Diu, Dadra and Nagar Haveli and Andaman and Nicobar Islands, districts of Mumbai, Thane and Pune in the State of Maharashtra and districts of Surat, Valsad, Sangli and Tapi, in the State of Gujarat; : Inserted by GSR 643(E), dt. 19/08/2015 (w.e.f. 19/08/2015). [Download GSR 643(E)]

18. : Inserted by GSR 643(E), dt. 19/08/2015 (w.e.f. 19/08/2015). [Download GSR 643(E)]

19. the provision of this sub-rule in respect of four-wheeled vehicles manufactured on and from 1st April, 2016 shall not be applicable.] : Inserted by GSR 643(E), dt. 19/08/2015 (w.e.f. 19/08/2015). [Download GSR 643(E)]

115(15) ~ Mass Emission Standard BS - IV for M and N Category vehicles.

(a) *Mass Emission Standards (Bharat Stage-IV) applicability.*

Date of applicability BS IV Emission

[The Mass Emission Standards for Bharat Stage-IV shall come into force in the National Capital Region and the cities of Mumbai, Kolkata, Chennai, Bangalore, Hyderabad including Secunderabad, Ahmedabad, Pune, Surat Kanpur, and Agra in respect of four-wheeled vehicles manufactured on or after the 1st April, 2010, except the four-wheeled transport vehicles plying on Inter-State permits or National permits or all India Tourist permits, within the jurisdiction of these cities:]

[Provided that the Mass Emission Standards (Bharat Stage-IV) shall applicable in the cities of Solapur and Lucknow in respect of four wheeler vehicle manufactured on or after 1st June, 2010 except the four wheeler transport vehicle plying on Inter-State Permits or National Permits or All India Tourist Permits, within the jurisdiction of the said cities:]

[Provided further that the Mass Emission Standards (Bharat Stage IV) shall be applicable in the cities of Puducherry, Mathura, Vapi, Jamanagar, Ankaleshwar, Hissar, Bharatpur, Daman, Diu, Silvassa, Unnao, Rae Bareilly, Aligarh, Karnal, Valsad, Yamuna Nagar, Kurukshetra, Nizamabad, Medak and Nehboobnagar in respect of four wheeled transport vehicle plying on Inter-State Permits or National Permits or all India Tourist Permits, within the jurisdiction or the said cities:]

[Provided also that the Mass Emission Standards (Bharat State IV) shall be applicable in the cities of vrindavan, Kosi Kalan, Hindaun city, Dholpur, Ahmednagar, Mahabaleshwar, Lonwala, Palgarh, Dahanu, Talasari, Boisar, Panchagani, Mahad, Nagothana, Indapur, Vizag, Kochi, Trivandrum, Kavaratti, Nagar, Dig, Nadbai, Bhiwani, Jind, Mahemdragarh, Hansi, Charki Dadri, Narnaul, Kiruli and Fatehpur Sikri in respect of four wheeler vehicle manufactured on or after the 15th July, 2015 except the four wheeler transport vehicle plying on Inter-State Permits or National Permits or All India Tourist Permits, within the jurisdiction of the said cities.]

[Provided also that, without prejudice to the provision contained in the above provision, the Mass emission Standards, Bharat Stage IV, shall be applicable to the State of Jammu and Kashmir (except districts of Leh and Kargil); Punjab, Haryana, Himachal Pradesh, Uttarakhand and districts of Hanumangarh and Sri Ganganagar in the State Rampur, Moradabad, Aligarh, Bndun, Bareilly, Mathura, Mahamayanagar, Etha, Agra, Firozabad, Etawah, Mainpuri, Pilibhit, Shamli, Sambhal, Farrukabad, Kannauj, Auriya and Kasganj in the State of Uttar Pradesh in respect of four wheeled vehicle manufactured on or after the 1st

October, 2015, except the four wheeled transport vehicle plying on Inter-State Permits or National Permits or all India Tourist Permits, within the jurisdiction of said district and States.

Provided also that, without prejudice to the provisions contained in the above provisos, the Mass Emission Standards, Bharat Stage IV, shall be applicable in the States of Goa, Kerala, Karnataka, Telangana, Odisha and the Union territories of Daman and Diu, Dadra and Nagar Haveli and Andaman and Nicobar Island, districts of Surat, Valsad, Dange and Tapi in the State of Gujrat, in respect of four-wheeled vehicle manufactured on or after the 1st April, 2016, except the four wheeled transport vehicle plying on Inter-State Permits or National Permits or All India Tourist Permits, within the jurisdiction of the said districts and states.]

[Provided also that nothing in this clause shall apply to the motor vehicle used for Government puposes relating to the defence of the country and registered under section 60 of the Act.]

Provided also thatnothing in this clause shall apply to the special pupose vehicles (armoured and other specialized vehicles) used for operational puposes for maintenance of law and order and internal security., [x x x]

Explanation.

(a) For the purpose of Sub-rule (14) and (15), the —National Capital Region|| shall have the same meaning as assigned to it in clause (f) of section 2 of the National Capital Region Planning Board Act, 1985 (2 of 1985);

(aa) [without prejudice to the provision contained in the provisos to clause (a), the Mass Emission Standards for Bharat Stage IV shall come into force all over the country in respect of four wheeled vehicles manufactured on or after the 1st April, 2017;]

[Provided also that nothing in this clause shall apply to the motor vehicle used for Government puposes relating to the defence of the country and registered under section 60 of the Act.]

Provided also thatnothing in this clause shall apply to the special pupose vehicles (armoured and other specialized vehicles) used for operational puposes for maintenance of law and order and internal security., [x x x]

(b) *The Mass Emission Standards for Bharat Stage IV shall be as under:-*

(i) GVW upto 3,500 kg.

The mass emission standards for Bharat Stage-IV, Category M and Category N vehicle manufactured on or after the 1st April, 2010, WITH Gross Vehicle Weight not exceeding 3,500 kg, shall be as under:

Limit Values for TS and COP								
<i>Category</i>	<i>Class</i>	<i>Reference Mass (RW) (Kg)</i>	<i>Mass of Carbon Monoxide (CO) (g/km)</i>		<i>Mass of Hydro Carbon (HC) (g/km)</i>	<i>Mass of Oxides of Nitrogen (NOx) (g/km)</i>		<i>Combined mass of Hydro-carbons and Oxides of Nitrogen (HC+NOx) (g/km)</i>
			<i>Gasoline</i>	<i>Diesel</i>	<i>Gasoline</i>	<i>Gasoline</i>	<i>Diesel</i>	<i>Diesel</i>
M*	-	All	1.00	0.50	0.10	0.08	0.25	0.30
N1 and M**	I	RW-305	1.00	0.50	0.10	0.08	0.25	0.30
	II	1305<RW1760	1.81	0.63	0.13	0.10	0.33	0.39
	III	1760<RW	2.27	0.74	0.16	0.11	0.39	0.46

* These limits are not applicable for vehicles designed to carry more than six persons including driver or vehicle whose gross vehicle weight exceed 2,500 kg.

** These limits are applicable for vehicles designed to carry more than six persons including driver or vehicles whose gross vehicle weight exceeds 2,500 kg.

Notes.-

1. The test shall be on classis Dynamometer.
2. The test including driving cycle shall be as provided in sub-rule (10) with the modifications that-
 - i. The exhaust gas sampling should start at the initiation of the engine start up procedure referred to in Annexure IV-E.
 - ii. The driving cycle shall be at a maximum speed of 90km/hour referred to in Annexure IV-E.
3. There shall be no relaxation of norms for conformity of production (COP) purpose.
4. (i) In case of vehicle operating on CNG, the provision in rule 115-B shall be applicable.

(ii) In case of vehicle operating on LPG, the provisions in rule 115-C shall be applicable
5. The reference fuel shall be as specified in Annexure IV-J for Gasoline vehicles, Annexure IV-K for diesel vehicles, Annexure IV-L for CNG (G20 and G25) vehicles and Annexure IV-M for LPG (Fuel A and Fuel B) vehicle respectively. Reference Fuel as per Annexure IV-L and IV-M shall be used for type Approval and conformity of production one year after the same is available to the test agencies. Till then, Commercial CNG/LPG fuel shall be vehicles.
6. There shall be no crankcase emission for Gasoline driven vehicles.
7. Evaporative emission shall not be more than 2.0 g/test from Gasoline driven vehicles. The evaporative emission test procedure for Gasoline driven vehicles shall be as per the procedure specified in MoSRTTH/CMVR/TAP-115/116 and as amended from time to time.
8. The Conformity of Production (COP) testing procedure shall be as described in MoSRTTH/CMVR/TAP-115/116 as amended from time to time.
9. The COP frequency and samples:-
 - i. The conformity of Production period for each vehicle model including its variant (s) shall be once in a year;

- ii. Where production volume in six months is less than 250 per model including its variants, the provisions contained in the provision to rule 126-A shall apply.

10. The commercial Gasoline and Diesel fuel shall be as per Annexure IV-N and IV-O in respect of the places mentioned in clause (a) of this sub-rule and in respect of all other places, the commercial fuel shall be Bharat Stage- III as per BIS specification IS: 1460-2005 (fifth revision) for Diesel and IS: 2796-2008 (Amended No. 1-January 2008) (fourth revision) for Gasoline Specification for commercial CNG and LPG shall be as notified from time to time.

11. For the vehicles of the Category M and Category N with Gross Vehicle Weight not exceeding 3,500kg.-

- i. Deterioration factor shall be as given below:-

Engine Category	Deterioration Factor				
	<i>CO</i>	<i>HC</i>	<i>NO_x</i>	<i>HC+NO_x</i>	<i>PM</i>
Gasoline/Gaseous fuelled Engines.	1.2	1.2	1.2	Not Applicable	
Diesel Engines.	1.1	Not Applicable	1	1	1.2

- ii. Alternatively, the vehicle manufacturers may opt for an ageing test of 80,000 km for evaluating deterioration factor as per MoSRTTH/CMVR/TAP-115/116 and as amended from time to time.

- iii. The maximum lap speed at 10th lap and 11th lap shall be 72 km/hour and 90 km/hour respectively.

- iv. The above aging test should be carried out by the approved test agency specified in Rule 126.

12. For Diesel Vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value of smoke density, when expressed as light absorption co-efficient for various nominal flows as given in Annexure I to sub-rule (9) of rule 115 when tested at constant

speeds over the full load. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor at 0.98 to 1.02.

13. In the case of Diesel vehicles, the engine power shall be measured on engine dynamometer and the measured power shall conform to the power specified in Chapter 1 of Part IV of MoSRTTH/CMVWR/TAP-115/116 as amended from time to time, when tested as per the procedures laid down in Chapter 6 of Part IV of MoSRTTH/CMVR/TAP-115/116 as amended from time to time.

14. (i) All Gasoline/CNG/LPG vehicles specified in this sub-clause shall comply with the provision of clause (i) of sub-rule 115.

(ii) All Diesel Fuelled Vehicles specified in this Sub-clause shall comply with the provision of clause (ii) of sub-rule (2) of rule 115.

15. The vehicles of Category M and Category N with Gross Vehicle Weight not exceeding 3,500 kg. shall be equipped with On-Board Diagnostic (OBD) system for emission control which shall have the capability of identifying the likely area of malfunction by means of fault codes stored in computer memory for vehicles manufactured on and from 1st 2010 as per the procedure laid down in MoSRTTH/CMVR/TAP -115/116 and as amended from time to time. The On-Board Diagnostic (OBD) system for emission control shall be as specified in the Tables below:-

TABLE I ON-BOARD DIAGNOSTIC (OBD) SYSTEM FOR EMISSION CONTROL:

SL No.	Engine Type	Category of Vehicle	Year	
			OBD I vehicles manufactured on and from	OBD II vehicles manufactured on from
1	Gasoline Fuelled Engines	M1 and M2 (less than 3,500 kg GVW)	1st April 2010	1st April 201

2	Gasoline Fuelled Engines	N1	1st April 2010	1st April 201
3	LPG or CNG Fuelled Engines	M1 and M2 (less than 3,500 kg GVW)	1st April 201
4	LPG or CNG Fuelled Engines	N1	1st April 201
5	Compression Ignition Engines	M1 and M2 (less than 3,500 kg GVW)	1st April 2010	1st April 201
6	Compression Ignition Engines	N1	1st April 2010	1st April 201
7	All	M1 and M2 (less than 3,500 kg GVW)	1st April 201

TABLE II - ALL POSITIVE IGNITION VEHICLES

OBD Monitoring Items		
Monitoring Items	OBD I Vehicles manufactured On and from	OBD II vehicles manufacture and from
Catalyst	----	1st April 2013
Misfire	----	1st April 2013
O2 (Oxygen) Sensor	1st April 2010	1st April 2013

Secondary Air system (if provided)	1st April 2010	1st April 2013
Coolant temperature	1st April 2010	1st April 2013
EGR, (Exhaust Gas Recirculation) (if provided)	1st April 2010	1st April 2013
Fuel tank leakage and evaporation	----	1st April 2013
Fuel system	----	1st April 2013
Emission Control system /components (Comprehensive Components)	1st April 2010	1st April 2013
Circuit continuity for all emission related power train components	1st April 2010	1st April 2013
Distance traveled since MIL (Malfunction Indicator Lamp) ON	1st April 2010	1st April 2013

TABLE III - ALL COMPRESSION IGNITION VEHICLES

OBD Monitoring Items		
Monitoring Items	OBD I Vehicles manufactured On and from	OBD II vehicles manufactured o from
Catalyst	-	1st April 2013

Electronic fuel Injection system	1st April 2010	1st April 2013
Particulate Trap (if provided)	-	1st April 2013
Coolant temperature	1st April 2010	1st April 2013
EGR (Exhaust Gas Recirculation) (if provide)	1st April 2010	1st April 2013
Fuel system	-	1st April 2013
Emission Control systems/ components Comprehensive Components)	1st April 2010	1st April 2013
Circuit continuity for all emission related power train components	1st April 2010	1st April 2013
Distance traveled since MIL (Malfunction Indicator Lamp) ON	1st April 2010	1st April 2013

16. For vehicles manufactured on and from 1st April 2013, the On-Board Diagnostic-II (OBD-II) systems for emission control must indicate the failure of an emission-related component or system, as per the procedure laid down in MoSRTTH/CMVR/TAP-115/116 and as amended from time to time, when that failure result in an increase in emission above the limits given in the Table below:-

TABLE IV

		<i>Reference Mass</i>	<i>Mass of Carbon Monoxide</i>		<i>Mass of Hydrocarbons</i>		<i>Mass of Oxides of Nitrogen (g/km)</i>		<i>M of Par</i>
		<i>(RW)</i>	<i>(CO)</i>		<i>(HC)</i>		<i>(NOx)</i>		<i>(I</i>
		<i>(Kg)</i>	<i>(g/km)</i>		<i>(g/km)</i>		<i>(g/km)</i>		<i>(g</i>
<i>Category</i>	<i>Class</i>		<i>Petrol</i>	<i>Diesel</i>	<i>Petrol</i>	<i>Diesel</i>	<i>Petrol</i>	<i>Diesel</i>	<i>Di</i>
M*		All	3.2	3.2	0.4	0.4	0.6	1.2	0
N1 and M**	I	RW-1305	3.2	3.2	0.4	0.4	0.6	1.2	0
	II	1305<RW- 1760	5.8	4.0	0.5	0.5	0.7	1.6	0
	III	1760<RW	7.3	4.8	0.6	0.6	0.8	1.9	0

* These limits are not applicable for vehicle designed to carry more than six persons including driver or vehicles whose gross vehicle weight exceeds 2,500 kg.

** These limits are applicable for vehicle designed to carry more than six persons including driver or vehicles whose gross vehicle weight exceeds 2,500 kg.

(ii) GVW exceeding 3500 kg.

Vehicles with Gross Vehicle Weight exceeding 3,500 kg manufactured on or after the 1st April, 2010 and equipped with either the diesel engines or the CNG Engines or the LPG Engines shall conform to the following norms:-

(A) For Diesel engines

<i>Limit values for Type Approval (TA) as well as (COP)</i>				
Engine Steady State Cycle (ESC) test			Engine Load Response (ELR) test	
CO (g / kWh)	HC (g / kWh)	NOx (g / kWh)	PM (g /kWh)	Smoke (m-1)
1.5	0.46	3.5	0.02	0.5

(B) For Diesel engines, CNG Engines or LPG Engines

<i>Engine Transient Cycle (ETC) test</i>				
CO (g / kWh)	NMHC (1) (g / kWh)	CH4 (2) (g / kWh)	NOx (g / kWh)	PM (3)
4.0	0.55	1.1	3.5	0.03

(1) A manufacturer may choose to measure the mass of total hydrocarbons (THC) instead of measuring the mass of non-methane hydrocarbon (NMHC). In this case, the limit for mass of THC should be same as for the NMHC.

(2) For CNG engines only.

(3) For Diesel engines only.

Notes.-

1. The test shall be done on engine dynamometer.

2. There shall be no relaxation of norms for Conformity of Production (COP) purpose.

3. In case of vehicle operating on diesel fuelled engines, the gaseous and particulate emission shall be as per Engine Steady State Cycle (ESC) and Engine Transient Cycle (ETC) and smoke test shall be as per Engine Load Response (ELR) as specified in MoSRTTH/CMVR/TAP - 115/116 and as amended from time to time.
4. In case of vehicles operating on CNG or LPG fuelled engines, the gaseous emissions are to be determined only on the Engine Transient Cycle (ETC) test as specified in MoSRTTH/CMVR/TAP -115/116 as amended from time to time.
5. The smoke Opacity is to be determined only on the Engine Load Response (ELR) test as specified in Part XII of MoSRTTH/CMVR/TAP -115/116 as amended from time to time.
6. In case of vehicle operating on CNG or LPG mode, the provisions of rules 115-B and 115-C shall be applicable respectively.
7. The reference fuel shall be as specified in Annexure IV-K for Diesel vehicles, Annexure IV-L for CNG (G20, G23 and G25) vehicles and Annexure IV-M for LPG (Fuel A and Fuel B) vehicles respectively. Reference Fuel as per Annexure IV-L and IV-M shall be used for Type Approval and Conformity of Production, one year after the same is available to the test agencies. Till then, Commercial CNG/LPG fuel shall be used.
8. The conformity of Production (COP) testing procedure shall be as specified in MoSRTTH/CMVR/TAP -115/116 as amended from time to time.
9. The conformity of Production (COP) frequency and samples:
 - i. The conformity of Production period for each engine model including its variants (s) shall be once a year;
 - ii. Where production volume in six months is less than 250 per model including its variants, the provisions contained in the provisos to rule 126-A shall apply.
10. For diesel engine vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value of smoke density, as per Annexure I to sub-rule (9) of rule 115. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

11. The commercial Diesel fuel shall be as per Annexure IV-O in respect of the places mentioned in Sub-clause (i) of clause (a) of this sub-rule and in respect of all other places, the commercial fuel shall be as per BIS specification IS: 1460-2005 (fifth revision) for Diesel. Specification for commercial CNG and LPG shall be as notified from time to time.

12. For vehicles with Gross Vehicle Weight exceeding 3,500 kg manufactured on or after the 1st April, 2010,-

(i) **Deterioration factor shall be as given in the Table below:-**

<i>Engine Type</i>	<i>Test cycle</i>	<i>CO</i>	<i>HC</i>	<i>NMHC</i>	<i>CH4</i>	<i>NOx</i>	<i>PM</i>
Diesel engine	ESC	1.1	1.05	-	-	1.05	1.1
	ETC	1.1	1.05	-	-	1.05	1.1
CNG, LPG or Gaseous fuelled engine	ETC	1.1	1.05	1.05	1.2	1.05	--

(ii) **Alternative, the vehicle manufacturers may opt for evaluation of deterioration factor as specified in MoSRTTH/CMVR/TAP -115/116 as amended from time to time.**

<i>Category of Vehicle in which engine will be installed</i>	<i>Minimum Service accumulation period</i>
Category N1 Vehicles	100,000 km
Category N2 vehicles	125,000 kms

Category N3 Vehicles with GVW equal to or less than 16,000 kg	125,000 km
Category N3 Vehicles with GVW above 16,000 kg	167,000 km
Category M2 Vehicles	100,000 km
Category M3 Vehicles with GVW equal to or less than 7,500 kg	125,000 km
Category M3 Vehicles with GVW above 7500 kg	167,000 km

The above ageing test should be carried out by the approval test agency.

13. In the case of Diesel vehicles, the engine power shall be measured on engine dynamometer and the measured power shall not differ from the specified power as given in Chapter 1 of part IV of MoSRTTH/CMV/TAP-115/116 as amended from time to time when tested as per procedures laid down in Chapter 6 of Part IV of MoSRTTH/CMVR/TaP – 115/116 as amended from time to time.

14. (i) The CNG and LPG vehicles specified in this sub-clause shall comply with the provisions of clause (i) of sub-rule (2) of rule 115.

(ii) The Diesel Fueled vehicles specified in this sub-clause shall comply with the provisions of clause (ii) of sub-rule (2) of rule 115.

15. The extension of type approval to engine family and engine after treatment system family shall be as described in MoSRTTH/CMVR/TAP-115/116 as amended from time to time.

16. The vehicles specified in this sub-clause shall be equipped with an On Board Diagnostic systems for emission control which shall have the capability of identifying the likely

area of malfunction by means of fault codes stored in computer memory for vehicle manufactured on and from 1st April 2013, as per procedure laid down in MosRTH/CMVR/TAP-115/116 and as amended from time to time.

17. The Diesel engine NOx reduction agent AUS 32 (Aqueous Urea Solution) shall conform to Part 1 and Part 2 of ISO 22241-2006.]

1. [The Mass Emission Standards for Bharat Stage-IV shall come into force in the National Capital Region and the cities of Mumbai, Kolkata, Chennai, Bangalore, Hyderabad including Secunderabad, Ahmedabad, Pune, Surat Kanpur, and Agra in respect of four-wheeled vehicles manufactured on or after the 1st April, 2010, except the four-wheeled transport vehicles plying on Inter-Sate permits or National permits or all India Tourist permits, within the jurisdiction of these cities:] : Inserted by GSR 84(E), dt. 09/02/2009 (w.e.f. 09/02/2009). [Download GSR 84(E)]
2. [Provided that the Mass Emission Standards (Bharat Stage-IV) shall applicable in the cities of Solapur and Lucknow in respect of four wheeler vehicle manufactured on or after 1st June, 2010 except the four wheeler transport vehicle plying on Inter-State Permits or National Permits or All India Tourist Permits, within the jurisdiction of the said cities:] : Inserted by GSR 443(E), dt. 21/05/2010 (w.e.f. 21/05/2010). [Download GSR 443(E)]
3. [Provided further that the Mass Emission Standards (Bharat Stage IV) shall be applicable in the cities of Puducherry, Mathura, Vapi, Jamanagar, Ankaleshwar, Hissar, Bharatpur, Daman, Diu, Silvassa, Unnao, Rae Bareilly, Aligarh, Karnal, Valsad, Yamuna Nagar, Kurukshetra, Nizamabad, Medak and Nehboobnagar in respect of four wheeled transport vehicle plying on Inter-State Permits or National Permits or all India Tourist Permits, within the jurisdiction or the said cities:] : Inserted by GSR 504(E), dt. 16/07/2014 (w.e.f. 16/07/2014). [Download GSR 504(E)]
4. [Provided also that the Mass Emission Standards (Bharat State IV) shall be applicable in the cities of vrindavan, Kosi Kalan, Hindaun city, Dholpur, Ahmednagar, Mahabaleshwar, Lonwala, Palgarh, Dahanu, Talasari, Boisar, Panchagani, Mahad, Nagothana, Indapur, Vizag, Kochi, Trivandrum, Kavaratti, Nagar, Dig, Nadbai, Bhiwani, Jind, Mahemdragarh, Hansi, Charki Dadri, Narnaul, Kiruli and Fatehpur Sikri in respect of four wheeler vehicle manufactured on or after the 15th July, 2015 except the four wheeler transport vehicle plying on Inter-State Permits or National Permits or All India Tourist Permits, within the jurisdiction of the said cities.] : Inserted by GSR 555(E),

dt. 14/07/2015 (w.e.f. 14/07/2015). [Download GSR 555(E)]

5. [Provided also that, without prejudice to the provision contained in the above provision, the Mass emission Standards, Bharat Stage IV, shall be applicable to the State of Jammu and Kashmir (except districts of Leh and Kargil); Punjab, Haryana, Himachal Pradesh, Uttarakhand and districts of Hanumangarh and Sri Ganganagar in the State Rampur, Moradabad, Aligarh, Bndun, Bareilly, Mathura, Mahamayanagar, Etha, Agra, Firozabad, Etawah, Mainpuri, Pilibhit, Shamli, Sambhal, Farrukabad, Kannauj, Auriya and Kasganj in the State of Uttar Pradesh in respect of four wheeled vehicle manufactured on or after the 1st October, 2015, except the four wheeled transport vehicle plying on Inter-State Permits or National Permits or all India Tourist Permits, within the jurisdiction of said district and States. : Inserted by GSR 643(E), dt. 19/08/2015 (w.e.f. 19/08/2015). [Download GSR 643(E)]

6. : Inserted by GSR 643(E), dt. 19/08/2015 (w.e.f. 19/08/2015). [Download GSR 643(E)]

7. Provided also that, without prejudice to the provisions contained in the above provisos, the Mass Emission Standards, Bharat Stage IV, shall be applicable in the States of Goa, Kerala, Karnataka, Telangana, Odisha and the Union territories of Daman and Diu, Dadra and Nagar Haveli and Andaman and Nicobar Island, districts of Surat, Valsad, Dange and Tapi in the State of Gujrat, in respect of four-wheeled vehicle manufactured on or after the 1st April, 2016, except the four wheeled transport vehicle plying on Inter-State Permits or National Permits or All India Tourist Permits, within the jurisdiction of the said districts and states.] : Inserted by GSR 643(E), dt. 19/08/2015 (w.e.f. 19/08/2015). [Download GSR 643(E)]

8. [Provided also that nothing in this clause shall apply to the motor vehicle used for Government puposes relating to the defence of the country and registered under section 60 of the Act.] : Inserted by G.S.R.485 (E), dtd. 19-05-2017 (w.e.f. 19-05-2017). [Download GSR 485(E)]

9. Provided also thatnothing in this clause shall apply to the special pupose vehicles (armoured and other specialized vehicles) used for operational purposes for maintenance of law and order and internal security. : Inserted by G.S.R.871 (E), dated 13-09-2018 (w.e.f. 13-09-2018)

10. [x x x] : Omitted the words " for a period upto 31st December 2019" by G.S.R.547(E), dated 01-08-2019 (w.e.f. 01-08-2019). [Download GSR 547(E)]

11. [without prejudice to the provision contained in the provisos to clause (a), the Mass Emission Standards for Bharat Stage IV shall come into force all over the country in

respect of four wheeled vehicles manufactured on or after the 1st April, 2017;] : Inserted by GSR 643(E), dt. 19/08/2015 (w.e.f. 19/08/2015). [Download GSR 643(E)]

12. [Provided also that nothing in this clause shall apply to the motor vehicle used for Government puposes relating to the defence of the country and registered under section 60 of the Act.] : Inserted by G.S.R.485 (E), dtd. 19-05-2017 (w.e.f. 19-05-2017).

[Download GSR 485(E)]

13. Provided also thatnothing in this clause shall apply to the special pupose vehicles (armoured and other specialized vehicles) used for operational purposes for maintenance of law and order and internal security. : Inserted by G.S.R.871 (E), dated 13-09-2018 (w.e.f. 13-09-2018)

14. [x x x] : Omitted the words " for a period upto 31st December 2019" by G.S.R.547(E), dated 01-08-2019 (w.e.f. 01-08-2019). [Download GSR 547(E)]

115(16) ~ Mass emission standards BS-IV for two wheelers.

Mass emission standards (Bharat Stage IV) shall come into force for two wheelers manufactured on and after the 1st April, 2016 for new types of vehicle models and from the 1st April, 2017 for existing types of vehicle models-

A. Two wheeled vehicles fitted with gasoline engines.—

I. With Engine capacity 50 cc & maximum speed exceeding 50k/h.

Mass emission standards (Bharat Stage IV) for two wheelers, with engine capacity exceeding 50 cc and a maximum design speed exceeding 50km per hour: Based on World-wide armonized Test Cycle (WMTC) –

TABLE 1

	<i>TA=COP norms (g/km)</i>		
			<i>HC + NO_x</i>

CO NO_x

<i>Class</i>			<i>If the evaporative emission complies with 2 g/test</i>	<i>If the evaporative emission complies with 2 g/test</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>
Class 1 and Sub- Class 2.1	1.403	0.39	0.79	0.59
Sub-Class 2.2	1.970	0.34	0.67	0.47
Sub-Class 3.1 and Sub-Class 3.2	1.970	0.20	0.40	0.20

Explanatory Notes :-

For the purpose of this clause;-

1. Classification of vehicles and weighting factor for the final emission result shall be as given below:-

Class	Definition of class	WMTC Cycles	Weighting emis
Class 1	Vehicles that fulfill the following specifications belong to Class 1: 50 cm ³ < engine capacity < 150 cm ³ and V _{max} < 50 km/hr or Engine capacity < 150 cm ³ and 50 km/hr < V _{max} < 100 km/hr	Part 1 Reduced Speed cold followed by Part 1 Reduced Speed Hot	Part 1 Red shall be 5C Reduced S be 50%
Sub-Class 2.1	Vehicles that fulfill the following specifications belong to Class 2.1: Engine capacity < 150 cm ³ and 100 km/h < V _{max} < 115 km/hr or Engine capacity < 150 cm ³ and V _{max} < 115 km/h	Part 1 Reduced Speed cold followed by Part 1 Reduced Speed Hot	Part 1 Red shall be 5C Reduced S be 50%
Sub-Class 2.2	Vehicles that fulfill the following specifications belong to Class 2.2: 115 km/h < V _{max} < 130 km/h	Part 1 cold followed by Part 2 Hot	Part 1 cold Part 2 Hot
Sub-Class 3.1:	Vehicles that fulfill the following specifications belong to Class 3.1:: 130 km/h < V _{max} < 140 km/h	Part 1 cold followed by Part 2 Hot followed by Part 3 reduced speed	Part 1 cold Part 2 Hot part 3 redi 25%
Sub-Class 3.2:	Vehicles that fulfill the following specifications belong to Class 3.2: V _{max} < 140 km/h	Part 1 cold followed by Part 2 Hot followed by Part 3	Part 1 cold Part 2 Hot

2. The test procedure and driving cycles shall be as per United Nations Economic Commission for Europe (UN ECE) Global Technical Regulation (GTR)-2 incorporating Amendment 2, with preconditioning soaking and cold start on chassis dynamometer as specified above.
3. Vehicle preconditioning: Operated through the cycles prescribed as above.
4. Vehicle soaking: The vehicle shall be stored for not less than six hours and not more than thirty six hours prior to the cold start Type 1 test or until the engine oil temperature (T₀) or the coolant temperature (T_c) or the sparkplug seat/gasket temperature (T₀), only for air cooled engine, equals the air temperature of the soak area.
5. Preparatory running before sampling is not required, sampling starts at T=0 second.
6. Break down of different parts of Worldwide Harmonized Motorcycle Emission Certification (WMTC) shall be as per the details given in Annexure 5 of Chapter XIII A of Ministry of Road Transport and Highways or Central Motor Vehicles Rules or Type Approval Procedure -115/116 (MoRTH/CMVR/TAP-115/116) as amended from time to time.
7. The reference fuel for gasoline vehicle shall be as specified in Annexure IV-J of the said rules and reference fuel for Compressed Natural Gas (CNG) and for Liquefied Petroleum Gas (LPG) shall be as commercially available.
8. The specification of commercial gasoline shall be as specified in Annexure IV-N of the said rules. For the areas other than those specified in Para (a) of sub-rule (15) of rule 115 of principal rules commercial gasoline shall be as per Bureau of Indian Standards specification Is: 2796-2008 for gasoline. Specification for commercial CNG and LPG shall be as notified from time to time.
9. Requirements of durability (for CO- 1.2, NO_x- 1.2 & HC+NO_x – 1.2 considering 30,000 km. durability run) have been built into the mass emission standards specified above.

10. For vehicles operating on CNG mode, the provisions of rule 115-B shall be applicable.
11. For Vehicles operating on LPG mode, the provisions of rule 115-C shall be applicable.
12. Gasoline or CNG or LPG vehicles specified herein shall comply with the provisions of clause (i) of sub-rule (2) of rule 115.
13. Crankcase ventilation system shall not permit the emission of any of the crankcase gases into the atmosphere.
14. Evaporative emission for gasoline driven vehicles shall not be more than 2g/test or 6g/test, depending on whether the norm for HC + NO_x adopted by manufacturer is from Column (4) or Column (5) respectively of Table 1 of mass emission norms and the test procedure shall be as per MoRTH/CMVR/TAP-115/116, as amended from time to time.
15. Conformity of production (COP) frequency and sampling shall be as per clause (e) of sub-rule (12) of rule 115 of the said rules.

II. Vehicles with Engine cc < 50 and Vmax < 50 km/h.

Mass emission standards (Bharat Stage IV) for two wheeler with Spark Ignition engines, other than those specified in para A.I above: (vehicles with cc<50 and Vmax< 50 km/hr):

The mass emission standards.

TABLE 2

<i>Pollutant</i>	<i>TA = COP norms (g/km)</i>	<i>Deterioration Factor (D.F)</i>
CO	0.75	1.2
HC + NO _x	0.75	1.2

Notes :-

1. For vehicle operating on CNG mode, the provisions of rule 115-B shall be applicable.
2. For vehicles operating on LPG mode, the provisions of rule 115-C shall be applicable.
3. Gasoline or CNG or LPG vehicle specified herein shall comply with the provisions of clause (i) of sub-rule (2) of rule 115.
4. The reference fuel for gasoline vehicle shall be as specified in Annexure IV-J of the said rules and reference fuel for CNG and LPG shall be as available commercially.
5. The specification of commercial gasoline shall be as specified in Annexure IV-N of the said rules and for the areas other than those specified in clause (a) of sub-rule (15) of rule 115 of principal rules commercial gasoline shall be as per Bureau of Indian Standards specification IS: 2796-2008 for gasoline. The specification for commercial CNG and LPG shall be as notified from time to time.
6. The provision of clauses (a), (c), (i), (e) and (f) of sub-rule 115, except the provision therein, shall be applicable to the said vehicle.

B. Two wheeled vehicles fitted with diesel engines-

The mass emission standards shall be same as those applicable for diesel three-wheelers.

1. Mass emission standards (Bharat Stage IV) shall come into force for two wheelers manufactured on and after the 1st April, 2016 for new types of vehicle models and from the 1st April, 2017 for existing types of vehicle models- : Rule 115(16) inserted by G.S.R 431(E), dated 04-07-2014 (w.e.f.04-07-2014). [Download GSR 431(E)]

115(17) ~ Mass emission standards BS IV for three wheelers.

Mass emission standards (Bharat Stage IV) for new vehicle models of three wheelers manufactured on or after the 1st April, 2016 and for existing vehicle models of three wheelers manufactured on or after 1st April, 2017.

A. Three wheelers fitted with gasoline engines:

TABLE 1

	<i>CO</i>	<i>HC + NO_x</i>	
		<i>If the evaporative emission complies with 2.0 g/test</i>	<i>If the evaporative emission complies with 6.0 g/test</i>
(1)	(2)	(3)	(4)
TA = COP norms (g/km)	0.94	0.94	0.74
D.F. (Deterioration Factor)	1.2	1.2	1.2

B. Three wheelers fitted with CNG or LPG engine.

Three wheelers fitted with Compressed Natural Gas(CNG) or Liquefied Petroleum Gas (LPG) engine:

TABLE 2

	<i>CO</i>	<i>HC + NO_x</i>
(1)	(2)	(3)
TA = COP norms (g/km)	0.94	0.94
D.F. (Deterioration Factor)	1.2	1.2

C. Three wheelers fitted with Compression Ignition engine:

TABLE 3

	<i>CO</i>	<i>HC + NO_x</i>	<i>PM</i>
--	-----------	----------------------------	-----------

(1)	(2)	(3)	(4)
TA = COP norms (g/km)	0.38	0.38	0.0425
D.F.(Deterioration Factor)	1.1	1.1	1.2

Explanation : For the purposes of this clause, it is clarified that, -

- i. for vehicles operating on compressed natural gas mode, the provisions of rule 115-B shall be applicable.
- ii. for vehicles operating on liquefied petroleum gas mode the provisions of the rule 115-C shall be applicable;
- iii. the provisions of clauses (a), (c), (d), € of sub-rule (12), except the proviso therein at the end of that sub-rule, shall be applicable;
- iv. the reference fuel shall be as specified in Annexure IV-J for vehicles equipped with gasoline and Annexure IV-K for vehicles equipped with diesel engines and reference fuel for compressed natural gas and liquefied petroleum gas shall be as available commercially;
- v. the specification of commercial gasoline and diesel shall be as specified in Annexure IV-N and Annexure IV-O, respectively and for the areas other than those specified in clause (a) of sub- rule (15), commercial fuel shall be as per the Bureau of Indian Standards specification Is: 2796- 2008 (Amendment No. 1-January, 2008) for gasoline and IS 1460:2005 (fifth revision) for diesel;
- vi. specification for commercial compressed natural gas and liquefied petroleum gas shall be as notified from time to time;
- vii. conformity of production (COP) test procedure shall be as described in MoRTH/CMVR/TAP-115/116 as amended from time to time;
- viii. gasoline or compressed natural gas or liquefied petroleum gas vehicles specified herein shall comply with the provisions of clause (i) of sub-rule(2);

- ix. diesel vehicles specified herein shall comply with the provisions of clause (ii) of sub-rule (2);
- x. crank case ventilation for gasoline driven vehicles system shall not permit the emission of any of the crank case gases into the atmosphere;
- xi. evaporative emission for gasoline driven vehicles shall not be more than 2.0 g/test or 6.0 g/test, depending on whether the norm for Hc + Nox adopted by manufacturer is from column (3) or column (4), respectively, of Table 1 of mass emission norms and the test procedure shall be as per MoRTH/CMVR/TAP-115/116, as amended from time to time.]

1. Mass emission standards (Bharat Stage IV) for new vehicle models of three wheelers manufactured on or after the 1st April, 2016 and for existing vehicle models of three wheeler manufactured on or after 1st April, 2017. : Rule 115(17) inserted by GSR 487(E), dated 12-6-2015 (w.e.f. 12-6-2015). [Download GSR 487(E)]

115(17A) ~ Mass emission standards BS IV for quadricycle (L7), shall be as under.

Fitted with gasoline or compressed natural Gas (CNG) or Liquefied Petroleum Gas (LPG) engine

TABLE

	<i>TA=COP norms</i>			<i>EVAP (g/test)</i>	<i>OBD</i>
	<i>CO(g/km)</i>	<i>HC(g/km)</i>	<i>NOX(g/km)</i>		
Limit	2	0.55	0.25	< = 2.0	Stage I
DF	1.3	1.2	1.2	-	-

Fitted with compression ignition engine

TABLE

	<i>TA=COP norms</i>	
--	---------------------	--

	<i>CO</i>	<i>HC</i>	<i>NOX</i>	<i>PM</i>	
	<i>(g/km)</i>				
Limit	1	0.1	0.55	0.08	Stage I
DF	1.3	1.2	1.2	1.1	-

Quadricycle shall be equipped with On Board Diagnostic (OBD) systems for emission control which shall have the capability of identifying the likely area of malfunction by means of fault codes stored in computer memory for vehicles manufactured.

Table 2 [On-Board Diagnostic-Stage 1]

<i>Monitoring Items</i>	<i>All Positive ignition vehicles</i>	<i>All Compression ignition vehicles</i>
Oxygen (O ₂) sensor	✓	-
Secondary Air System, if provided	✓	-
Electronic fuel injection system	-	✓
Coolant temperature	✓	✓
EGR,(Exhaust Gas Recirculation), if provided	✓	✓
Emission Control systems / components (Comprehensive components)	✓	✓
Circuit continuity for all emission related power train components	✓	✓

Distance travelled since MIL (Malfunction Indicator Lamp) ON	✓	✓
--	---	---

Notes - For the purposes of this sub-rule, it is clarified that,-

- i. The test shall be on Chassis Dynamometer;
- ii. The test procedure and driving cycle shall be as per the MoRTH/CMVR/TAP-115/116. Modified ECE R 40 with maximum speed to 43 km per hour with cold start.
 - a. Reference mass : kerb weight + 150 kg;
 - b. Number of test cycles: Six (6), with weightage factors firstcycle: 30%; remaining: 70%0;
 - c. Breakdown of cycle: ECE R40 cycle modified for the maximum speed of 43km/hr. Referred to in the MoRTH/CMVR/TAP-115/116;
- iii. A deterioration factor shall be applicable as per Table 1 above for durability.
 - a. Provided that the vehicle manufacturer may opt for an ageing test of 80000 kms for evaluation deterioration factor, as provided in MoRTH/CMVR/TAP-115/116;
- iv. (a) Gasoline or CNG or LPG vehicles specified herein shall comply with the provisions of clause (i) of sub-rule (2) of rule 115;

(b) Diesel vehicles specified herein shall comply with clause (ii) of sub-rule (2) of rule 115;
- v. Conformity of Production (COP) frequency and sampling test procedure shall be as provided in the MoRTH/CMVR/TAP-115/116.

SL No	Type of vehicle	Annual production / import		COP frequency
		Exceeding	upto	
(1)	(2)	(3)	(4)	(5)

1	Quadricycle	250 per 6 months	10000 per year	Once every year
2	Quadricycle	10000per year	75000 per 6 months	Once every 6 months
3	Quadricycle	75000 per 6 months	---	Once every 3 months

Where the production volume in six months is less than 250 per model including its variants, the provisions contained in the provisos to rule 126A shall apply.

vi. (a) For vehicles operating on compressed natural gas mode, the provisions of rule 115B shall be applicable;

(b) For vehicles operating on liquefied petroleum gas mode, the provisions of rule 115C shall be applicable;

vii. Specification of Reference / Commercial Fuels:

- a. The reference fuel shall be as specified in Annexure IV-J for vehicles equipped with gasoline and Annexure IV-K for vehicles equipped with diesel engines and reference fuel for compressed natural gas and liquefied petroleum gas shall be as available commercially;
- b. The specification of commercial gasoline and diesel shall be as specified in Annexure IV-N and Annexure IV-O;
- c. Specification for commercial compressed natural gas and liquefied petroleum gas shall be as notified from time to time;

viii. Crank case ventilation for gasoline driven vehicles system shall not permit the emission of any of the crank case gases into the atmosphere;

ix. Evaporative emission shall not be more than 2.0g/test from Gasoline driven vehicles. The test procedure shall be as specified in the MoRTH/CMVR/TAP-115/116;

x. In case of compression ignition engine, engine power shall be measured on engine dynamometer and the measured power shall conform to the power specified in Chapter 1 of Part IV of MoRTH/ CMVR/TAP115/116 as amended from time to time.

In case of positive ignition engine, engine power shall be measured on engine dynamometer in accordance with the provisions of IS 14599:1999.

1. Fitted with gasoline or compressed natural Gas (CNG) or Liquefied Petroleum Gas (LPG) engine : Rule 115(17A) inserted by G.S.R 518(E) dated 01-06-2018 (w.e.f 01-06-2018).[Download GSR 518(E)]

115(18) ~ BS VI Emission standards for M and N category vehicles.

The Emission Standards for Bharat Stage VI (BS-VI) for category M and N vehicles having Gross Vehicle Weight not exceeding 3500kg, manufactured on or after 1st April 2020 for all models, shall be as under :-

TABLE 1

Limit Values for M and N Category vehicles fitted with PI & CI

Engines: BS VI

		Reference Mass (RM) (kg)	Mass of Carbon Monoxide (CO)		Mass of Total Hydrocarbons (THC)		Mass of Non- Methane Hydrocarbons (NMHC)		Mass of Oxides of Nitrogen (NOx)		Combined Mass of Hydrocarbons and Oxides of Nitrogen (THC + NOx)		Ma Parti Mc (F
			L1 (mg/km)		L2 (mg/km)		L3 (mg/km)		L4 (mg/km)		L2 + L3 (mg/km)		L5 (n
Category	Class		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI
M(M1 & M2)	-	All	1000	500	100	-	68	-	60	80	-	170	4.5

N1	I	RM < 1305	1000	500	100	-	68	-	60	80	-	170	4.5
	II	1305 < RM < 1760	1810	630	130	-	90	-	75	105	-	195	4.5
	III	1760 < RM	2270	740	160	-	108	-	82	125	-	215	4.5
N2	-	All	2270	740	160	-	108	-	82	125	-	215	4.5

PI = Positive Ignition, CI = Compression Ignition

1. For positive ignition, particulate mass and number of particles limit shall apply only to vehicle engines.
2. Until three years after date of implementation for new type approvals and new vehicles, particulate limit of 6.0×10^{12} #/km shall apply to BS VI gasoline direct injection vehicles upon choice of manufacturer.

Note: This Regulation shall apply to vehicles of categories M1, M2, N1 and N2 with a reference mass not exceeding 2,610 kg.

At the manufacturer's request, type approval granted under this Regulation may be extended from the above to M1, M2, N1 and N2 vehicles with a reference mass not exceeding 2,840 kg and which are mentioned down in this notification.

TABLE 2

Emission Standards For Vehicles of Category M and N with gross weight not exceeding 3000 Kg-

APPLICABILITY OF TEST REQUIREMENTS FOR TYPE-APPROVAL-BS-VI

	Vehicle with Positive Ignition Engines including Hybrids						
	Mono fuel						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Reference Fuel	Gasoline[(E10)/(E20)] ⁽⁷⁾	Ethanol (E100)	LPG	CNG/Bio-Methane/Bio-Gas/LNG	Hydrogen (ICE) ⁽³⁾	HCNG (Hydrogen+CN)	Gasoline [(E10)/(E20)] ⁽¹⁾ (C)
							LPG
Gaseous pollutant (Type I test)	Yes	Yes	Yes	Yes	Yes ⁽²⁾	Yes	Yes (b) (fuels)
Particulate Mass and Particulate Number (Type I Test)	Yes ⁴	Yes ⁴	-	-	-	-	Yes E10 (C) E20 (C)

Idle Emissions (Type II Test)	Yes	Yes	Yes	Yes	-	Yes	Yes (b fuels
Crankcase Emissions (Type III Test)	Yes	Yes	Yes	Yes	-	Yes	Yes E (or) E20
Evaporative Emissions (Type IV test)	Yes	Yes	-	-	-	-	Yes E (or) E20
Durability (Type V Test)	Yes	Yes	Yes	Yes	Yes	Yes	Yes E10 (G) E20
In-Service Conformity	Yes	Yes	Yes	Yes	Yes	Yes	Yes (both fi
On-Board Diagnostics and IUPRm	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CO2 emission and fuel consumption ⁽⁶⁾	Yes	Yes	Yes	Yes	Yes	Yes	Yes (b fuels
Smoke Opacity	-	-	-	-	-	-	-

Engine Power	Yes	Yes	Yes	Yes	Yes	Yes	Yes (b fuels
RDE gaseous emissions test applicability	Yes	Yes	Yes	Yes	Yes ⁽²⁾	Yes	Yes (b fuels
RDE PN emissions test applicability ⁽⁴⁾	Yes	Yes	-	-	-	-	Yes E (or) E20

Explanatory Notes to superscript-

- (1) When a bi-fuel vehicle has flex fuel option, both test requirements are applicable.
- (2) Only NOx emissions shall be determined when the vehicle is running on Hydrogen.
- (3) Reference Fuel is 'Hydrogen for Internal Combustion Engine' as specified in Annexure-IV-W.
- (4) Particulate mass and number limits for vehicles with positive ignition engines including hybrids shall apply only to vehicles with direct injection engines.
- (5) Vehicle fuelled with Bio diesel blends up to 7% will be tested with reference diesel (B7) and vehicles fuelled with Bio diesel blends above 7% will be tested with respective blends.
- (6) CO2 emission and fuel consumption shall be measured as per procedure laid down in AIS 137 and as amended time to time.
- (7) Manufacturers shall select one of the following fuels, namely:- Reference Gasoline (E10) or Reference Gasoline E20 fuel for Type Approval and conformity of production test as per applicability.

Notes:

- (1) The test shall be on Chassis Dynamometer.

Notes.-

- (1) the test shall be on Chassis Dynamometer.
- (2) The test including driving cycle shall be as provided under sub-rule (10) with the modifications that,-
 - i. the exhaust gas sampling should start at the intimation of the engine start up procedure referred to in Annexure IV-E and as amended from time to time as per AIS-137-;
 - ii. the driving cycle shall be at a maximum speed of 90km per hour referred to in Annexure-IV-E and as per AIS 137.
- (3) there shall be no relaxation of norms for conformity of production (CoP) purpose and procedure for compliance shall be as per AIS-137 as amended from time to time.
- (4) Specifications for Reference Fuels shall be as below:-
 - a. Reference natural gas fuel used in Natural Gas or Bio-Methane mono-fuel or bi-fuel vehicles shall be as per Annexure-IV-L (G20, G23 and G25).
 - b. Reference LPG fuel used in LPG mono fuel or bi-fuel vehicles shall be as per Annexure-IV-M (Fuel A and Fuel B), However, in case of non-availability of reference fuels for CNG or LPG, the commercially available CNG as per BIS 15958:2012 and LPG as per BIS 14861:2000 as amended from time to time shall be used for the purpose of Type approval and conformity of production.
 - c. The reference ethanol fuel (E85) shall be as per the Annexure-IV-Q.
 - d. The reference Gasoline fuels E10 (as specified by the manufacturer), shall be as specified in Annexur-IV-XA.
 - e. The reference Diesel fuel (B7) shall be as specified in Annexure-IV-T.
 - f. The reference fuel Biogas (Bio-methane) shall be as per IS 16087:2013 and as amended time to time.
 - g. The reference fuel Hydrogen Enriched Compressed Natural Gas (HCNG) shall be as per IS 17314:2019 and as amended from time to time.
 - h. BS-VI Hydrogen Fuel vehicles shall be tested with reference fuel specified in the Annexure-IV-W to said rules.

- i. The reference fuel Hydrogen Enriched Compressed Natural Gas (HCNG) shall be as per IS 17314:2019 and as amended from time to time.
 - j. In case of non-availability of E100 reference fuel, the commercially available E100 fuel as per IS17821:2022 as amended from time to time shall be used for the purpose of Type approval and conformity of production.
 - k. The reference E20 fuel (20 per cent. of Ethanol in Gasoline) shall be as per IS 17943: 2022 and as amended from time to time by BIS.
 - l. The reference B100 fuel shall be as per Annexure-IV-S and as amended from time to time by BIS.
- (5)** Crankcase ventilation system shall not permit the emission of any of the crankcase gases in to the atmosphere.
- (6)** Evaporative emission shall not be more than 2.0g/test from Gasoline fuelled vehicles. The evaporative emission test procedure for gasoline fuelled vehicles shall be as per the procedure specified in AIS-137.
- (7)** The conformity of production (CoP) testing procedure shall be as described in AIS-137.
- (8)** Conformity of production (CoP) frequency and samples as under, namely:-
- i. the conformity of production period for each vehicle model including its variants shall be once a year;
 - ii. where production volume in six months is less than 250 per model including its variants, the provisions contained in the provisions to rule 126-A shall apply;
 - iii. all these tests shall be conducted with the reference fuel as specified in this sub-rule:

Provided that, at the manufacturers request, test may be carried out with commercial fuel;
 - iv. for vehicles approved as per this sub-rule, at least 50 per cent. of vehicle models, rounded to nearest integer value, produced from particular plant per year shall be selected randomly from dealers location or warehouse.

- (9)** Specifications for Commercial Fuels as under, namely:-

- i. the commercial Gasoline fuel shall be as per Annexure-IV-U and as amended from time to time;
- ii. specifications for commercial CNG and commercial LPG shall be in accordance with BIS 15958:2012 and as per BIS 14681:2000 respectively and as amended from time to time;
- iii. Biodiesel used in commercial diesel shall be as per IS 15607 as amended from time to time;
- iv. specifications for commercial diesel fuel shall be as per Annexure-IV-V and as amended from time to time;
- v. specification for commercial fuel E85 (blend of 85 per cent. of Ethanol in Gasoline) shall be as per IS 16634:2017 and as amended time to time by BIS;
- vi. specifications for commercial Biogas (Bio-Methane) shall be as per IS:16087:2013 and as amended from time to time;
- vii. specifications for Hydrogen Enriched Compressed Natural Gas (HCNG) shall be as per IS 17314:2019 and as amended from time to time;
- viii. specification for commercial ethanol fuel (E20) shall be as per IS 17021: 2018;
- ix. specification for commercial fuel E100 shall be as per IS 17821:2022 and as amended time to time.

(10) Specifications of NO_x reduction agent AUS 32 (Aqueous Urea Solution) shall conform to Part 1 and Part 2 of ISO 22241-2006 or DIN V 70070 or IS:17042:Part1 and Part 2: 2020.

(11) For diesel vehicles, the emission of visible pollutants (smoke) shall not exceed the limit value of smoke density, when expressed as light absorption coefficient for various nominal flows as given in Annexure-1 to sub-rule (9) of rule 115 when tested at constant speeds over the full load. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor at 0.98 to 1.02.

(12) The engine power shall be measured on engine dynamometer and the measured power shall conform to the power specified in AIS-137 as amended from time to time, when tested as per the procedures laid down in AIS-137.

(13) Type-II test, vehicles fitted with PI engines shall comply with the provisions of clause (i) of sub-rule (2) of rule 115 as applicable.

(14) Free acceleration Smoke, Vehicles fitted with CI engines shall comply with the provisions of clause (ii) of sub-rule (2) of rule 115 as applicable.

(15) Deterioration Factor shall be as given in the following Table, namely:-

<p style="text-align: center;">Table</p> <p style="text-align: center;">Deterioration Factor shall be as given below :BS- VI</p>								
Sl.No.	Engine Category	Assigned Deterioration Factor						
		CO	THC	NMHC	NO _x	HC+NO _x	Particulate Matter (PM)	Particulate Number (PN)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1)	Positive Ignition	1.5	1.3	1.3	1.6	--	1.0	1.0
(2)	Compression Ignition	1.5	--	--	1.1	1.1	1.0	1.0

Notes.-

- i. Alternatively, the vehicle manufacturer may opt for a vehicle ageing test of 1,60,000 km or bench ageing durability test, for evaluating the deterioration factor as per AIS-137 and as amended from time to time;
- ii. This test may be performed by driving vehicle on a test track, on the road, or on a chassis dynamometer or Engine test bench as per AIS 137;

- iii. The maximum lap speed at 10th Lap and at 11th Lap shall be 72 km per hour and 90km per hour respectively;
- iv. The above ageing test should be carried out by the approved test agency specified under rule 126.

(16) The vehicles shall be equipped with On-Board Diagnostic (BS VI-OBD) systems for emission control which shall have the capability of identifying the likely area of malfunction by means of fault codes stored in computer memory as per the procedure laid down in AIS-137 and when that failure results in an increase in emission above the limits given in the following Table below, namely:-

(i) OBD Threshold for BS-VI vehicles manufactured on or after the 1st April, 2020:

Table 1											
On-Board Diagnostic (BS-VI- OBD-I) Threshold : BS-VI											
			Reference mass (RM) (kg)	CO (mg/km)		NMHC (mg/km)		NOx (mg/km)		PM (mg/km)	
	Category	Class		PI	CI	PI	CI	PI	CI	PI ⁽¹⁾	CI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
(1)	M(M1 and M2)	--	All	1900	1750	170	290	150	180	25	25
(2)	N1	I	$RM \leq 1305$	1900	1750	170	290	150	180	25	25
(3)		II	$1305 < RM \leq 1760$	3400	2200	225	320	190	220	25	25

(4)		III	1760<RM	4300	2500	270	350	210	280	30	30
(5)	N2	--	All	4300	2500	270	350	210	280	30	30
<p>Explanatory Notes to superscript-</p> <p>(1) For positive ignition, particulate mass limits apply only to vehicles with direct ignition engines</p>											

(ii) OBD Threshold for BS-VI vehicles manufactured on or after 1st April,2023:

<p>Table 2</p> <p>On-Board Diagnostic (BS-VI OBD-II) Threshold: BS-VI</p>											
Sl. No.			Reference Mass (RM) (kg)	CO (mg/km)		NMHC (mg/km)		NOx (mg/km)		PM (mg/km)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
(1)	Category	Classes		PI	CI	PI	CI	PI	CI	PI ⁽¹⁾	CI
(2)	M (M1 and M2)	-	All	1900	1750	170	290	90	140	12	12
(3)	N1	I	RM≤1305	1900	1750	170	290	90	140	12	12

(4)		II	1305<R M≤1760	3400	2200	225	320	110	180	12	12
(5)		III	1760<R M	4300	2500	270	350	120	220	12	12
(6)	N2		All	4300	2500	270	350	120	220	12	12
Explanatory Notes to superscript- (1) For positive ignition, particulate mass apply only to vehicles with direct ignition engines											

(17) In-use performance ratio (IUPR) for BS-VI vehicles manufactured on or after 1st April, 2023, the in-use performance ratio (IUPR) of a specific monitor M of the OBD systems shall be: $IUPRM = \text{Numerator} / \text{Denominator}$

(i) Compression of Numerator and Denominator gives an indicator of how often a specific monitor is operating relative to vehicle operation. Detailed requirements for tracking IUPR are as given in AIS 137.

(ii) If, according to the requirements specified in AIS-137, the vehicle is equipped with a specific monitor M, IUPRM shall be greater or equal to 0.1 for all monitors M.

(18) In service compliance of vehicles shall be as per procedure laid down in AIS-137.

(19) (a) During type approval and COP applicable from 1st April, 2020, real world driving cycle emission measurement using Portable Emissions Measurement System (PEMS) shall be carried out for data collection and for vehicles of category M and N having gross vehicle weight not exceeding 3500 kgs, manufactured on or after 1st April, 2023, for all models, during real world driving cycle emission measurement using PEMS, Conformity factor shall be applicable as per the procedure laid down in AIS 137.

(b) During the type approval, the Conformity factor (CF), shall be as per the Table below, namely:-

Table: Conformity Factor (CF)

Sl. No.	Pollutant (1)	CF_{pollutant} (2)
(1)	NO _x	1 + margin ⁽³⁾ NO _x With margin NO _x = 0.43
(2)	PN ⁽¹⁾	1 + margin ⁽³⁾ PN With margin PN = 0.5
(3)	CO ⁽²⁾	-

Explanatory Notes to superscripts-

(1) Applicable for: Positive Ignition (Direct Injection) engines and Compression Ignition Engines only;

(2) CO emissions shall be measured and recorded at RDE tests;

(3) Margin is a parameter taking into account considering the additional measurement uncertainties introduced by the PEMS equipment.

(20) The CNG or Bio-CNG or HCNG Vehicles shall meet all the safety requirements as per AIS 024, AIS-028 Revision 1 as applicable.

(21) The compatibility of vehicle to the level of Ethanol blend of E85 and E100 shall be defined by the vehicle manufacturer and the same shall be displayed on the vehicle by putting a clearly visible sticker as per AIS 171:2021.

(22) For the Bi-fuel vehicles, the reference gasoline fuel shall be as per E10 or E20 as declared by the manufacturer during approval.

(23) All the Gasoline fueled Mono Fuel and Bi-Fuel Vehicles with Positive Ignition Engines including Hybrids, manufactured on and after the 1st day of April, 2025, shall be certified with Ethanol (E20) fuel to comply with the prevailing emission norms.

(24) For the type approval purposes, all models type approved as per the Central Motor Vehicles (fourth Amendment) Rules, 2021 published in the Official Gazette vide notification number G.S.R. 156 (E) dated 08 March 2021, need not to be re type approved for compliance to this sub-rule. All those vehicle or engine manufacturers, who have obtained certifications as per G.S.R. 156 (E) dated 08 March 2021, may not apply for compliance once again.

(ii) [The Emission Standards for Bharat Stage VI \(BS-VI\) for category M and N vehicles having Gross Vehicle Weight exceeding 3500kg., manufactured on or after 1st April 2020 for all models, shall be as under :-](#)

TABLE 1

Limit values for M&N category vehicles: BS-VI

	<i>Limit values</i>						
	<i>CO</i> (mg/kWh)	<i>THC</i> (mg/kWh)	<i>NMHC</i> (mg/kWh)	<i>CH₄</i> (mg/kWh)	<i>NOX</i> (mg/kWh)	<i>NH₃</i> (ppm)	<i>PM</i> (mg)
WHSC (CI)	1500	130	----	----	400	10	
WHTC (CI)	4000	160	-----	----	460	10	
WHTC (PI)	4000	----	160	500	460	10	

Notes.

PI = Positive Ignition

CI = Compression Ignition

For M1, N1, M2 & N2 category vehicles with a reference mass not exceeding 2840 kg., at the manufacturer's request, type approval may be granted as per the sub-rule (18) (i) of this rule.

If a vehicle is tested for type approval on Chassis Dynamometer having Reference Mass up to 2610 kg, manufacturer may seek type approval extensions up to reference mass of 2840 kg for

its variants exceeding GVW of 3500 kg. In such cases mass emission testing on Engine Dynamometer shall not be required.

[Provided that nothing in this sub-rule shall apply to the motor vehicle used for Government Purposes relating to the defence of the country which is registered under section 60 of the Act and to the special purpose vehicle (armoured and other specialised vehicle) used for operational purposes for the maintenance of law and order and internal security.]

TABLE 2

Emission Standards for vehicles of category M and N having gross weight exceeding 3500 Kg- for
APPLICABILITY OF TEST REQUIREMENTS FOR TYPE-APPROVAL-BS-VI

	Positive Ignition Engines							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Reference Fuel	Mono-fuel							Flex-fuel
	Gasoline (E10)/ (E20) ⁽⁶⁾	Ethanol (E100)	LPG	CNG/Bio-Methane/ Bio-Gas/LNG	Hydrogen (ICE) ⁽³⁾ (4)	HCNG (Hydrogen+CNG)	Ethanol (E20)	Diesel (B)
							(E85)	(C)
Gaseous pollutant	Yes	Yes	Yes	Yes	Yes ⁽⁵⁾	Yes	Yes (Both fuels)	Yes

Particulate Mass	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Both fuels)	Yes
PM Number	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Both fuels)	Yes
Durability	Yes	Yes	Yes	Yes	Yes	Yes	Yes (E20)	Yes
OBD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Off Cycle Emissions (WNTC)	---	---	---	---	---	---	---	Yes
PEMS Demonstration Test at Type Approval	Yes	Yes	Yes	Yes	Yes	Yes	Yes (both fuels)	Yes
In-Service Conformity	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Both Fuels)	Yes

Explanatory Notes to superscripts-

- (1) The vehicles or engines fuelled with bio diesel blends up to 7 per cent. shall be tested with reference diesel (B7) and vehicles fuelled with bio diesel blends above 7 per cent. shall be tested with respective blends.
- (2) The test applicability requirements for dual fuel engine is depending on the Gas Energy Ratio (GER) measured over the hot part of the World Harmonised Transient Cycle (WHTC) test-cycle. GER

classification shall be as per AIS: 137.

- (3) Reference Fuel is 'Hydrogen for BS-VI Positive Ignition Engine' as specified in Annexure-IV-W.
- (4) Reference Fuel is 'Hydrogen for BS-IV Positive Ignition Engine' as specified in Annexure-IV-ZD.
- (5) Only NOx emission shall be determined when the vehicle is running on Hydrogen.
- (6) Manufacturers shall select one of the following fuels, namely:- Reference Gasoline (E10) or Reference Gasoline (E20) for Type Approval and Conformity of Production test as per applicability.

Notes:

- (1) The test shall be done on engine dynamometer.
- (2) In case of vehicles equipped with Compression Ignition engines, the gaseous and particulate emission shall be measured as per WHSC and WHTC cycles as per procedure described in AIS 137 as amended from time to time.
- (3) In case of vehicles equipped with positive ignition engines, the gaseous and particulate emissions shall be measured as per WHTC cycle as per procedure described in AIS 137 and as amended from time to time.
- (4) Specifications for Reference fuels are as below, namely:-
 - a. reference natural gas, fuel used in Natural Gas or Bio-Methane mono-fuel or bi-fuel vehicles shall be as per Annexure IV-L (G20, G23 and G25);
 - b. reference LPG fuel used in LPG mono-fuel or bi-fuel vehicles shall be as per Annexure-IV-M (Fuel A and Fuel B), however, in case of non-availability of reference fuels for CNG or LPG, the commercially available CNG as per BIS 15958:2012 and LPG as per BIS 14861:2000 as amended from time to time shall be used for the purpose of type approval and conformity of production;
 - c. the reference ethanol fuel (ED95) shall be as specified in Annexure-IV-R;
 - d. the reference Diesel fuel (B7) shall be as specified in Annexure-IV-T;
 - e. the reference fuel Biogas (Bio-Methane) shall be as per IS 16087:2013 and as amended time to time;

- f. the reference fuel Hydrogen Enriched Compressed Natural Gas (HCNG) shall be as per IS 17314:2019 and as amended from time to time;
 - g. the reference E20 fuel (20 per cent. of Ethanol in Gasoline) shall be as per IS 17943:2022 and as amended from time to time by BIS;
 - h. the reference E85 fuel (85 percent of Ethanol in Gasoline) shall be as per the Annexure-IV-Q.” (Standard number will be created and specified by BIS);
 - i. the reference B100 fuel shall be as per Annexure-IV-S and as amended from time to time.” (Standard number will be created and specified by BIS);
 - j. in case of non-availability of E100 reference fuel, the commercially available E100 fuel as per IS17821:2022 as amended from time to time shall be used for the purpose of type approval and conformity of production.
- (5) The conformity of production (CoP) testing procedure shall be as described in AIS-137.
- (6) The conformity of production (CoP) frequency and samples shall be as under, namely:-
- i. the conformity of production period for each engine model including its variants shall be once a year;
 - ii. where production volume in six months is less than 250 per model including its variant(s), the provisions contained in the provisos to rule 126-A shall apply.
- (7) Specifications for Commercial fuels shall be as under, namely:-
- a. the Commercial Gasoline fuel shall be as per Annexure IV-U;
 - b. specifications for commercial CNG and commercial LPG shall be in accordance with BIS 15958:2012 and as per BIS 14861:2000 respectively;
 - c. biodiesel used in commercial Diesel shall be as per IS 15607;
 - d. specifications for commercial Diesel fuel up to 7 per cent. of bio diesel blend shall be as per Annexure IV-V;
 - e. specifications for commercial ED95 shall be as specified in accordance with the Indian Standards;

f. specifications for commercial Biogas (Bio-Methane) shall be as per IS 16087:2013;

g. specifications for commercial Hydrogen Enriched Compressed Natural Gas (HCNG) shall be as per IS 17314:2019;

h. specification for commercial fuel E20 (20 per cent of Ethanol in Gasoline) shall be as per IS 17021: 2018;

i. specification for commercial Ethanol fuel E85 (85 per cent. of Ethanol in Gasoline) shall be as per IS 16634:2017;

j. specification for commercial fuel E100 shall be as per IS 17821:2022.

(8) For compression ignition (CI) engine vehicles, the emission of visible pollutants (Smoke) shall not exceed the limit value of smoke density, as per Annexure-I to sub-rule (9) of rule 115. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

(9) The engine power shall be measured on engine dynamometer and the measured power shall conform to the power specified and tested as per procedures prescribed in AIS-137.

(10) Idle emissions and smoke density shall be as under, namely:-

a. the vehicle equipped with PI engine specified in this sub-rule shall comply with the provisions of clause (i) of sub-rule (2) of rule 115;

b. the vehicle equipped with CI engine specified in this sub-rule shall comply with the provisions of clause (ii) of sub-rule (2) of rule 115.

(11) Deterioration Factors.-

(i) Deterioration factors shall be as given in the Table below, namely:-

Table 1 Deterioration Factor for BS VI									
	Test cycle	CO	THC ¹	NMHC ¹	CH ₄ ¹	NO _x	NH ₃	PM mass	PM number

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(1)	WHTC	1.3	1.3	1.4	1.4	1.15	1.0	1.05	1.0
(2)	WHSC	1.3	1.3	----	----	1.15	1.0	1.05	1.0

Explanatory Notes to superscripts-

(1) applies in case of a compression ignition engine.

(2) applies in case of a positive ignition engine.

(ii) Alternatively, the vehicle manufacturers may opt for evaluation of deterioration factor over normal useful life period as per procedure described in AIS 137 and useful life period and minimum service accumulation period for evaluation of deterioration factor given in Table below, namely:-

Sl. No.	Table 2 Minimum service accumulation period – BS-VI		
	(1)	(2)	(3)
(1)	Category of vehicle in which engine will be installed	Useful life period	Minimum service accumulation period
(2)	Category N1 vehicles	1,60,000km or 5 years	1,60,000 km
(3)	Category N2 vehicles	3,00,000 km or 6 years	1,88,000 km
(4)	Category N3 vehicles with GVW equal to or less than 16,000 kg	3,00,000 km or 6 years	1,88,000 km

(5)	Category N3 vehicles with GVW above 16,000 kg	7,00,000 km or 7 years	2,33,000 km
(6)	Category M2 vehicles	1,60,000 km or 5 years	1,60,000 km
(7)	Category M3 vehicles with GVW equal to or less than 7500 kg	3,00,000 km or 6 years	1,88,000 km
(8)	Category M3 vehicles with GVW above 7500 kg	7,00,000 km or 7 years	2,33,000 km
(9)	The evaluation of deterioration factor shall be carried out by the approved test agency specified in rule 126		

(12) (a) During type approval and COP applicable from 1st April, 2020, emission measurement on vehicles using Portable Emissions Measurement System (PEMS) shall be carried out on road for data collection and for category M and N vehicles having gross vehicle weight exceeding 3500 kgs, manufactured on or after 1st April, 2023, for all models, during real world driving cycle emission measurement using Portable Emissions Measurement System (PEMS), in-service conformity factor shall be applicable as per the procedure laid down in AIS 137.

(b) The type approved vehicle used for the Portable Emissions Measurement System (PEMS) deterioration test shall be representative for the vehicle category intended for the installation of the engine system. The vehicle may be a prototype vehicle or an adapted production vehicle.

(c) For PEMS demonstration test at type approval, vehicle shall meet the requirements of in-service compliance from the 1st April, 2023:

Provided that the maximum allowed conformity factors (CF) for in-service PEMS emission testing, shall be as per the Table below, namely:-

Table**Maximum Allowed Conformity Factors (CF) for in-service Conformity Emission Testing**

Sl. No.	Parameter (1)	Maximum Allowed Conformity Factor (CF) (2)
(1)	CO	1.5
(2)	THC ⁽¹⁾	1.5
(3)	NMHC ⁽²⁾	1.5
(4)	CH ₄ ⁽²⁾	1.5
(5)	NO _x	1.5

Explanatory Notes to superscripts-

(1) For Compression Ignition Engines

(2) For Positive Ignition engines.

(13) The vehicles specified under this sub-rule shall meet the following World Not-To-Exceed (NTE) Off cycle laboratory testing limits for gaseous and particulate exhaust emissions, and as per procedure laid down in AIS 137 and as amended time to time, namely:-

Test cycle	CO Mg/kWh	THC Mg/kWh	NO_x Mg/kWh	PM Mg/kWh
WNTE	2000	220	60	16

(14) The vehicles specified under this sub-rule manufactured on or after the 1st April, 2023 shall have the capability of assessing the in-use performance of on-board diagnostic, as procedure laid down in AIS-137 and as amended time to time.

(15) The vehicles specified in this sub-rule fitted with engine, which rely on the use of a reagent in order to reduce emissions, shall ensure the correct operation of NOx control measures, as procedure laid down in AIS 137 and as amended from time to time. Specifications of NOx reducing agent AUS 32 (Aqueous Urea Solution) shall conform to Part 1 and Part 2 of ISO 22241-2006 or DIN V 70070 or IS:17042:Part1 and Part 2: 2020 as amended from time to time.

(16) The vehicles shall be equipped with an On-Board Diagnostic system (BS-VI OBD-I and BS-VIOBD-II) for emission control which shall have the capability of identifying the likely area of the malfunctions by means of fault codes stored in computer memory and communicating that information off-board, as per procedure described in AIS 137, when that failure results in an increase in emission above the limits given in the following Tables, namely:-

(a) BS-VI-OBD-I threshold for- BS-VI vehicles manufactured on or after the 1st April, 2020 shall be given below:-

Table 1 OBD Threshold Limits (BS-VI OBD-I)			
		Limit in mg/kWh	
		NOx	PM Mass
	(1)	(2)	(3)
(1)	Compression ignition engines	1500	Performance Monitoring ⁽¹⁾

(2)	Positive Ignition engines	1500	----
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Explanatory Notes to superscripts-

(1) Performance monitoring for wall-flow diesel particulate filter shall be as per AIS-137 and as amended time to time.

(b) BS-VI-OBD-II threshold for BS-VI vehicles manufactured on or after the 1st April, 2023 shall be as given below, namely:-

<p>Table 2</p> <p>OBD threshold Limits (BS VI OBD II)</p>				
		Limit in mg/kWh		
		NO _x	PM Mass	CO
	(1)	(2)	(3)	(4)
(1)	Compression ignition engines	1200	25	---
(2)	Positive Ignition engines	1200	---	7500

At the manufacturers request type approval may be granted for compliance to BS-VI OBD – II requirements before it implementation:

Provided that nothing in this sub-rule shall apply to the motor vehicle used for Government purpose relating to the defence of the country which is registered under section 60 of the Act

and to the special purpose vehicle (armoured and other specialised vehicle) used for operational purpose for the maintenance of law and order and internal security.

(17) The CNG or Bio-CNG or HCNG Vehicles shall meet all the safety requirements as per AIS 024, AIS- 028 Revision 1 as applicable.

(18) The compatibility of vehicle to the level of Ethanol Fuel E85 or E100 or ED95 shall be defined by the vehicle manufacturer and the same shall be displayed on vehicle by a clearly visible sticker as per AIS- 171:2021.

(19) All the Gasoline fueled Mono Fuel and Bi-Fuel vehicles with positive ignition engines including Hybrids, manufactured on and after the 1st day of April, 2025, shall be certified with Ethanol (E20) fuel to comply with the prevailing emission norms.

(20) All those vehicle or engine manufacturers, who have obtained certifications as per the notification published vide G.S.R. 156 (E), dated the 08 March, 2021, may not apply for compliance once again.

1. The Emission Standards for Bharat Stage VI (BS-VI) for category M and N vehicles having Gross Vehicle Weight not exceeding 3500kg, manufactured on or after 1st April 2020 for all models, shall be as under :- : Rule 115(18) inserted by G.S.R.889 (E),dated 16-09-2016 (w.e.f. 16-09-2016). [Download GSR 889(E)]

2. TABLE 2 : Table 2 substituted by G.S.R 27(E),dated 05-01-2024 (w.e.f. 05-01-2024). [Download GSR 27(E)]

3. The Emission Standards for Bharat Stage VI (BS-VI) for category M and N vehicles having Gross Vehicle Weight exceeding 3500kg., manufactured on or after 1st April 2020 for all models, shall be as under :- : Rule 115(18) (ii) sub. by GSR 885(E) dt. 16/12/2022 (w.e.f. 16-12-2022), which was inserted originally by G.S.R.889 (E),dated 16-09-2016. [Download GSR 885(E)]

4. [Provided that nothing in this sub-rule shall apply to the motor vehicle used for Government Purposes relating to the defence of the country which is registered under section 60 of the Act and to the special purpose vehicle (armoured and other specialised vehicle) used for operational purposes for the maintenance of law and order and internal security.] : Inserted by G.S.R. 547(E),dated 01-08-2019 (w.e.f. 01-08-2019). [Download GSR 547(E)]

5. TABLE 2 : Table 2 substituted by G.S.R 27(E),dated 05-01-2024 (w.e.f. 05-01-2024). [Download GSR 27(E)]

115(19) ~ Emission Standards for BS-VI for two wheelers manufactured on or after 1st April 2020.

(i) The Emission Standards for Bharat Stage-VI (BS-VI) for two wheelers vehicle models manufactured on or after 1st April 2020 shall be as per Tables below:-

TABLE 1

Limit Values for Two wheelers fitted with PI & CI engines: BSVI

	<i>Vehicle Class</i>	<i>BS VI Emission Norms</i>						
		CO mg/km	HC mg/km	NOx mg/km	NMHC mg/km	PM mg/km	EVAP mg/test	OBD
PI Vehicles	1 & 2-1	1000	100	60	68	4.5*	1500	STAGE II
	2-2	1000	100	60	68	4.5*		
	3-1 & 3-2	1000	100	60	68	4.5*		
CI Vehicles	All	500	100	90	68	4.5*	-	
	DF (for all classes)	1.3	1.3 (SI) 1.1 (CI)	1.3 (SI) 1.1 (CI)	1.3 (SI) 1.1 (CI)	1.0 (CI)	300**	-

* Applicable to gasoline direct injection (DI) engines only.

** Fixed DF of 300 mg/test shall be added to SHED test results. Alternative to fixed DF, manufacture may opt for ageing of evaporative emission control devices as per procedure specified in AIS 137 and as amended time to time.

Application of Test Requirements for Type Approval:

TABLE 2**Emission Standards for Bharat Stage- VI for two wheelers vehicles:****APPLICABILITY OF TEST REQUIREMENTS FOR TYPE-APPROVAL-BS-VI**

Vehicle with Positive Ignition (PI) engines including hybrids									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Reference Fuel	Mono-fuel						Bi-fuel ⁽³⁾		
	Gasoline (E5)/ (E10)/ (E20) (5)	Ethanol (E100)	LPG	CNG/Bio- Methane/Bio- Gas/LNG	H2	HCNG (Hydrogen+CNG)	Gasoline (E5)/ (E10)/ (E20) ⁽⁵⁾ (6)	Gasoline (E5)/ (E10)/ (E20) ⁽⁵⁾ (6)	Gasoline (E5)/ (E10)/ (E20) ⁽⁵⁾ ⁽⁶⁾
							LPG	CNG/Bio methane	H2
	Yes	Yes	Yes	Yes	Yes	Yes	Yes (both fuels)	Yes (both fuels)	Yes (both fuels)

(2)Type I test Particulate Mass	Yes	Yes	No	No	No	No	Yes (Gasoline only)	Yes (Gasoline only)	Yes (Gasoline only)
Idle emission (Type II Test)	Yes	Yes	Yes	Yes	No	Yes	Yes (both fuels)	Yes (both fuels)	Yes (Gasoline only)
Crankcase emission (Type III test)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Evaporative emission (Type IV test)	Yes	Yes	No	No	No	No	Yes (gasoline only)	Yes (gasoline only)	Yes (gasoline only)
Durability (Type V test)	Yes	Yes	Yes	Yes	Yes	Yes	Yes (gasoline only)	Yes (gasoline only)	Yes (gasoline only)
(4)CO2 & Fuel consumption	Yes	Yes	Yes	Yes	Yes	Yes	Yes (both fuels)	Yes (both fuels)	Yes (both fuels)

On board Diagnosis OBD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Smoke Opacity	No	No	No	No	No	No	No	No	No
Engine Power	Yes	Yes	Yes	Yes	Yes	Yes	Yes (both fuels)	Yes (both fuels)	Yes (both fuels)

Explanatory Notes to superscripts-

(1) Vehicles fuelled with bio diesel blends up to 7 per cent. shall be tested with reference diesel (B7) and vehicles fuelled with Bio diesel blends above 7 per cent will be tested with respective blends.

(2) In case of PI engines, applicable only to vehicles with direct Injection engines.

(3) Vehicles models and variants having option for Bi-fuel operation and fitted with limp-home gasoline tank of capacity not exceeding two litres on two wheelers shall be exempted from test in gasoline mode.

(4) CO₂ emission and fuel consumption shall be measured as per procedure laid down in AIS 137.

(5) Manufacturers shall select one of the following fuels, namely:- Reference Gasoline (E5) or Reference Gasoline (E10) or Reference E20 fuel for type approval and conformity of production test as per applicability.

(6) When bi-fuel vehicle is combined with a flex fuel vehicle, both test requirements are applicable.

Notes.-

(1) The test shall be on Chassis Dynamometer.

(2) Classification of vehicles and weighting factor for the final emission result shall be as per table given below,
namely:-

<p style="text-align: center;"><i>Table</i></p> <p style="text-align: center;"><i>Classification of Vehicles and Weighing Factor</i></p>			
Sl.No.	Class	Definition of class	WMTC Cycles
(1)	(2)	(3)	(4)
1.	Class 1	Vehicles that fulfil the following specifications belong to class 1: 50cm ³ <engine capacity <150cm ³ and V _{max} ≤ 50 km/h or Engine capacity < 150 cm ³ and 50 km/h <V _{max} < 100km/h	Part 1 Reduced Speed cold followed by Part 1 Reduced Speed Hot
2.	Sub-Class 2-1	Vehicles that fulfil the following specifications belong to class 2-1; Engine capacity < 150cm ³ and 100 km/h ≤V _{max} < 115 km/h or Engine capacity ≥ 150cm ³ and V _{max} < 115 km/h	Part 1 Reduced Speed cold followed by Part 2 Reduced Speed Hot

3.	Sub-Class 2-2	Vehicles that fulfil the following specifications belong to class 2-2; $115 \text{ km/h} \leq V_{\text{max}} < 130 \text{ km/h}$	Part 1 cold followed by Part 2 Hot
4.	Sub-Class 3-1	Vehicles that fulfil the following specifications belong to class 3-1; $130 \text{ km/h} \leq V_{\text{max}} < 140 \text{ km/h}$	Part 1 cold followed by Part 2 hot followed by Part 3 reduced speed Hot
5.	Sub-Class 3-2	Vehicles that fulfil the following specifications belong to class 3-2; $V_{\text{max}} > 140 \text{ km/h}$	Part 1 cold followed by Part 2 Hot followed by Part 3 Hot

(3) The test procedure and driving cycle for all test types including alternative durability and OBD shall be as per AIS 137 and as amended time to time.

(4) Specification of Reference Fuels shall be as under, namely:-

- a. the Reference Gasoline Fuel (E5) shall be as specified in Annexure IV-X;
- b. the reference ethanol fuel (E85) shall be as per Annexure IV-Q;
- c. the reference diesel fuel (B7) shall be as specified in Annexure IV-T;
- d. in case of non-availability of E100 reference fuel, the commercially available E100 fuel as per IS17821:2022 as amended from time to time shall be used for the purpose of type approval and conformity of production;
- e. reference natural gas fuel used in Natural Gas or Bio-Methane mono-fuel or bi-fuel vehicles shall be as per Annexure-IV-L (G20, G23 and G25);
- f. reference LPG fuel used in LPG mono-fuel or bi-fuel vehicles shall be as per Annexure-IV M (Fuel A and Fuel B). However, in case of non-availability of reference fuels for

CNG or LPG, the commercially available CNG as per BIS 15958:2012 and LPG as per BIS 14861:2000 as amended from time to time shall be used for the purpose of type approval and conformity of production;

- g. hydrogen Fuel vehicles shall be tested with reference fuel specified in the Annexure-IV-W to said rules;
- h. the reference fuel Biogas (Bio-methane) shall be as per IS 16087:2013 and as amended time to time;
- i. the reference E20 fuel (20 per cent. of Ethanol in Gasoline) shall as per IS 17943: 2022 and as amended from time to time;
- j. the reference for Hydrogen Compressed Natural Gas (HCNG) shall be as per IS 17314: 2019;
- k. the reference B100 fuel shall be as per Annexure IV-S and as amended from time to time by BIS.

(5) Specifications of Commercial Fuels shall be as under, namely:-

- a. the commercial Gasoline fuel blend shall be as per Annexure-IV-U;
- b. specifications for commercial CNG and commercial LPG shall be in accordance with BIS 15958:2012 and as per BIS 14861:2000 respectively;
- c. biodiesel used in commercial Diesel shall be as per IS 15607;
- d. specifications for Commercial Diesel fuel shall be as per Annexure-IV-V;
- e. the commercial E85 fuel (85 percentage Ethanol in Gasoline) specification shall be in accordance with IS 16634:2017 as amended from time to time by BIS;
- f. specifications for Biogas (Bio-Methane) shall be as per IS 16087:2013 and as amended time to time;
- g. specification for commercial ethanol fuel (E20) shall be as per IS 17021: 2018;
- h. specification for commercial Hydrogen Enriched Compressed Natural Gas (HCNG) shall be as per IS 17314: 2019;

i. specification for commercial fuel E100 shall be as per IS 17821:2022 and as amended time to time.

(6) Gasoline or CNG or LPG vehicles specified herein shall comply with the provisions of clause (i) of sub-rule (2) of rule 115. The vehicle equipped with CI engine specified in sub-rule shall comply with the provision of clause (ii) of sub-rule (2) of rule 115. For vehicles fitted with CI engine, the emission of visible pollutants (smoke) shall not exceed the limit value of smoke density, as per Annexure I to sub-rule (9) of rule 115. These smoke limits are without correction factor and engines are to be tested with conditioned air supplied to the engine to maintain atmospheric factor of 0.98 to 1.02.

(7) Crankcase ventilation system shall not permit the emission of any of the crankcase gases in to the atmosphere.

(8) Alternatively, to the fixed DF mentioned in Table 1 of this sub-rule, the vehicle manufacturers may opt for evaluation of deterioration factor as per procedure described in AIS 137 and as amended time to time.

(9) Conformity of production (COP) test procedure shall be as per clause (e) of sub-rule (12) of rule 115. For 2W vehicles, at least 50 per cent. of Vehicle models produced from particular plant shall be selected randomly from dealer's location or warehouse.

(10) The engine power shall be measured on engine dynamometer and measured power shall conform to the power specified and tested as per procedure prescribed in AIS 137 and as amended time to time.

(11) The vehicle presented for type approval shall have been run for at least 1000 km before the test.

(12) The Two wheeler vehicles shall be equipped with On-Board Diagnostic (OBD) systems for emission control which shall have the capability of identifying the likely area of malfunction by means of fault codes stored in computer memory as per the procedure laid down in AIS 137 and the On-Board Diagnostic (OBD) systems for emission control shall be as specified in the following Tables, namely:-

TABLE 1

OBD FUNCTIONS AND ASSOCIATE

A. Vehicles manufactured on or after the 1st April, 2020, shall be required to comply with the following OBD Stage I (BS-VI) requirements or standards or compliances as per AIS 137, namely:-

Sl. No.	Monitoring Items.
1.	Circuit continuity for all emission related power train component
2.	Distance travelled since MIL (Malfunction indicator lamp) ON
3.	Electrical disconnection of Electronic evaporative purge control device
4.	EGR system monitoring

TABLE 2

OBD FUNCTIONS AND ASSOCIATE

B. Vehicles manufactured on or after the 1st April, 2023, shall be required to comply with the following OBD Stage II-A (BS-VI) requirements or standards or compliances as per AIS 137, namely:-

Sl. No.	Monitoring Items.
1.	Circuit continuity for all emission related power train component
2.	Circuit Rationality
3.	Distance travelled since MIL (Malfunction indicator lamp) ON
4.	Electrical disconnection of Electronic evaporative purge control device

5.	EGR system monitoring
6.	Misfire Detection
7.	Oxygen sensor deterioration monitoring
8.	NOx after-treatment system monitoring
9.	Particulate filter monitoring
10.	Particulate Matter (PM) Emission monitoring
11.	On-Board Diagnostics (OBD) Emission Threshold Limits
12.	In-use performance monitoring – No minimum IUPRM for all monitors M (Functionality of IUPR Determination)

TABLE 3**OBD FUNCTIONS AND ASSOCIATE**

C. Vehicles manufactured on or after the 1st April, 2025, shall be required to comply with the following OBD Stage II-B (BS-VI) requirements or standards or compliances as per AIS 137, namely:-

Sr. No.	Monitoring Items.
1.	Circuit continuity for all emission related power train component
2.	Circuit Rationality

3.	Distance travelled since MIL (Malfunction indicator lamp) ON
4.	Electrical disconnection of Electronic evaporative purge control device
5.	Catalytic converter monitoring
6.	EGR system monitoring
7.	Misfire Detection
8.	Oxygen sensor deterioration monitoring
9.	NOx after-treatment system monitoring
10.	Particulate filter monitoring
11.	Particulate Matter (PM) Emission monitoring
12.	On-Board Diagnostics (OBD) Emission Threshold Limits.
13.	In-use performance monitoring – No minimum IUPRM for all monitors M (Functionality of IUPR Determination)
14.	In-use performance monitoring – IUPRM greater than or equal to 0.1 for all monitors M

(13) Detailed requirements for tracking In-Use performance ratio (IUPR) are given in AIS 137.

(14) The CNG or Bio-CNG or HCNG vehicles shall meet all the safety requirements as per AIS 24 and AIS 28 (Revision 1), as applicable.

(15) The compatibility of vehicle to the level of Ethanol blend of E85/E100 shall be defined by the vehicle manufacturer and the same shall be displayed on the vehicle by a clearly visible sticker as per AIS- 171:2021 as amended from time to time.

(16) For the Bi-fuel vehicles, the reference Gasoline fuel shall be as per E5 or E10 or E20 as declared by the manufacturer during approval.

(17) All the Gasoline fueled Mono Fuel and Bi-Fuel Vehicles with Positive Ignition Engines including Hybrids, manufactured on and after the 1st day of April, 2025, shall be certified with Ethanol (E20) fuel to comply with the prevailing emission norms. The On-Board Diagnostic system for emission control shall be as per the following tables:-

TABLE

**ON-BOARD DIAGNOSTICS (OBD) EMISSION THRESHOLD LIMITS FOR BSVI
OBD STAGE II- A (FOR VEHICLES MANUFACTURED ON OR AFTER THE 1ST
APRIL, 2023)**

Sl. No.	Vehicle	WMTC Class	CO (mg/km)	THC (mg/km)	NO _x (mg/km)
	(1)	(2)	(3)	(4)	(5)
(1)	PI vehicles	1, 2-1 & 2-2	2170	1400	350
(2)		3-1 & 3-2	2170	630	450
(3)	CI vehicles	All	2170	630	900

TABLE

**ON-BOARD DIAGNOSTICS (OBD) EMISSION THRESHOLD LIMITS FOR BSVI
OBD STAGE II-B (FOR VEHICLES MANUFACTURED ON OR AFTER THE 1ST
APRIL 2025)**

Sl. No.	Vehicle	WMTC Class	CO (mg/km)	NMHC (mg/km)	NO _x (mg/km)	PM (mg/km)
	(1)	(2)	(3)	(4)	(5)	(6)
(1)	PI vehicles	All	1900	250	300	50 (1)
(2)	CI vehicles	All	1900	320	540	50

Explanatory Notes to superscript

(1) In case of P.I. engines, applicable only to vehicles with Direct Injection engines;

(18) All those vehicle or engine manufacturers, who have obtained certifications as per G.S.R. 156 (E) dated the 08 March, 2021, may not apply for compliance once again.

(ii) [The Emission Standards \(Bharat Stage VI\) for two wheelers with Spark Ignition engines other than those specified in para \(19\), \(i\) above: \(Vehicles with cc < 50 and Vmax < 50 km/hr\) shall be as per the below table:](#)

TABLE

Limit Values of other Two wheelers fitted with SI engines

<i>SL No</i>	<i>Pollutant</i>	<i>TA=COP norms mg/km</i>	<i>Deterioration Factor (D.F.)</i>	<i>Test Cycle (Cold Start at T=0 sec)</i>
(1)	(2)	(3)	(4)	(5)

(1)	CO	500	1.2	IDC as per AIS137
(2)	HC	350	1.2	
(3)	NOx	150	1.2	

Notes:

(1) Gasoline or CNG or LPG vehicles specified herein shall comply with the provisions of clause (i) of sub-rule (2) of rule 115.

(2) The reference Gasoline fuels (E5) or (E10) (as specified by the manufacturer), shall be as specified in Annexure IV-X or Annexure IV-XA, respectively.

(3) Reference natural gas fuel used in Natural Gas or Bio-Methane mono-fuel or bi-fuel vehicles shall be as per Annexure IV-L (G20, G23 and G25).

(4) Reference LPG fuel used in LPG mono-fuel or bi-fuel vehicles shall be as per Annexure IV M (Fuel A and Fuel B), However, in case of non-availability of reference fuels for CNG or LPG, the commercially available CNG as per BIS 15958:2012 and LPG as per BIS 14861:2000 as amended from time to time shall be used for the purpose of type approval and conformity of production. The reference fuel Biogas (Bio-methane) shall be as per IS 16087:2013.

(5) The provisions of (a), (c), (i), (e) and (f) for sub-rule (12) of rule 115, except the provisions therein, shall be applicable to the said vehicle.

(6) The driving cycle for vehicles with $cc \leq 50$ and $V_{max} \leq 50$ km/hr shall be Indian Driving Cycle (IDC) and the exhaust gas sampling shall start at the initiation of cycle in case of gasoline two wheeler vehicles.

(7) The engine power shall be measured on engine dynamometer and the measured power shall conform to the power specified and tested as per procedure prescribed in AIS 137.

(8) The commercial Gasoline fuel blend shall be as per Annexure IV-U

1. TABLE 2 : Table 2 substituted by G.S.R 27(E),dated 05-01-2024 (w.e.f. 05-01-2024).

[Download GSR 27(E)]

2. The Emission Standards (Bharat Stage VI) for two wheelers with Spark Ignition engines other than those specified in para (19), (i) above: (Vehicles with cc \leq 50 and Vmax \leq 50 km/hr) shall be as per the below table: : Clause (ii) substituted by G.S.R 27(E),dated 05-01-2024 (w.e.f. 05-01-2024). [Download GSR 27(E)]

115(20) ~ Emission Standards for BS-VI for Three wheelers manufactured on or after 1st April 2020.

The Emission Standards Bharat Stage VI (BS VI) for Three wheelers vehicle models manufactured on or after 1st April 2020 shall be as under:-

TABLE 1

Three wheelers fitted with PI and CI Engines: BS VI

Vehicle with PI engines								
	<i>CO</i> <i>mg/km</i>	<i>HC+NOx</i> <i>mg/km</i>	<i>NOx</i> <i>mg/km</i>	<i>PM</i> (1) <i>mg/km</i>	<i>EVAP</i> <i>mg/test</i>	<i>OBD</i>	<i>Durability</i> <i>mileage (km)</i> <i>Type V</i>	<i>Test Cycle</i> <i>(Category)</i>
Limit	440	435	130	25	1500	Stage II	35000	IDC
D.F.	1.20	1.2	1.2	1.2	--	--	--	
(1) PM limit in case of PI engines shall be applicable only to vehicles with Direct Injection engine shall be applicable from 1st April 2023.								

Vehicle with CI engines								
	CO mg/km		HC+Nox mg/km	NOx mg/km	PM mg/km	OBD	Durability mileage (km) Type V	Test (C at
Limit	220		200	160	25	Stage II	35000	
D.F.	1.10		1.0	1.00	1.20	--	--	

TABLE 2

Emission Standards Bharat Stage-VI for three wheelers vehicle model-manufactured on or after 1st April, 2020- APPLICABILITY OF TEST REQUIREMENTS FOR TYPE-APPROVAL-BSVI

	Vehicle with Positive Ignition (PI) engines including hybrids								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Mono-fuel						Bi-fuel ⁽³⁾⁽⁵⁾		(5)Fuel fuel

Reference
Fuel

	Gasoline (E5)/ (E10)/ (E20) ⁽⁵⁾	Ethanol (E100)	LPG	CNG/Bio- Methane/Bio- Gas/LNG	H2	HCNG (Hydrogen+CNG)	Gasoline (E5)/ (E10)/ (E20) ⁽⁶⁾	Gasoline (E5)/ (E10)/ (E20) ⁽⁶⁾	Etha (E20 (E85
Gaseous pollutant (Type I test)	Yes	Yes	Yes	Yes	Yes	Yes	Yes (both fuels)	Yes (both fuels)	Yes (both fuels)
(2)Type I test Particulate Mass	Yes	Yes	No	No	No	No	No	No	Yes
Idle emission (Type II Test)	Yes	Yes	Yes	Yes	Yes	Yes	Yes (both fuels)	Yes (both fuels)	Yes (both fuels)
Crankcase emission (Type III test)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Evaporative emission (Type IV test)	Yes	Yes	No	No	No	No	Yes (gasoline only)	Yes (gasoline only)	Yes E only

Durability (Type V test)	Yes	Yes	Yes	Yes	Yes	Yes	Yes (gasoline only)	Yes (gasoline only)	Yes E only
(4)CO ₂ and Fuel consumption	Yes	Yes	Yes	Yes	Yes	Yes	Yes (both fuels)	Yes (both fuels)	Yes (both fuels)
OBD Stage II	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Smoke Opacity	No	No	No	No	No	No	No	No	No
Engine Power	Yes	Yes	Yes	Yes	Yes	Yes	Yes (both fuels)	Yes (both fuels)	Yes (both fuels)

Explanatory Notes to superscript-

- (1) Vehicles fuelled with bio diesel blends up to 7 per cent. shall be tested with reference diesel (B7) and vehicles fuelled with Bio diesel blends above 7 per cent. will be tested with respective blends.
- (2) In case of PI engines, applicable only to vehicles with direct Injection engines.
- (3) Vehicles models and variants having option for Bi-fuel operation and fitted with limphome gasoline tank of capacity not exceeding three litres on three wheelers shall be exempted from test in gasoline mode.
- (4) CO₂ emission and fuel consumption shall be measured as per procedure laid down in AIS 137.
- (5) Manufacturers shall select one of the following fuels, i.e., reference Gasoline (E5) or reference Gasoline (E10) or Reference E20 fuel for type approval and conformity of production test as per applicability.

(6) When bi-fuel vehicle is combined with a flex fuel vehicle, both test requirements are applicable.

Notes.-

1. The test shall be on Chassis Dynamometer.

2. The test including driving cycle shall be as provided in CMV sub-rule (12) with the modification that the exhaust gas sampling should start at the initiation in case of gasoline and diesel three wheeler as per the engine start up procedure referred to in Annexure-II.

3. The provisions of clauses (a), (c), (d), (e) and (f) of sub-rule (12) of rule 115, except the provisions therein at the end of this sub-rule, shall be applicable to the said vehicles.

4. Specifications of reference fuels shall be as under, namely:-

(a)

i. the reference Gasoline fuels (E5) or (E10) ,as specified by the manufacturer, shall be as specified in Annexure IV-X or Annexure-IV-XA, respectively.

ii. the reference ethanol fuel (E85) shall be as per the Annexure-IV-Q; The reference Diesel fuel (B7) shall be as specified in Annexure-IV-T.

(b) Reference natural gas fuel used in Natural Gas or Bio Methane mono-fuel vehicles shall be as per Annexure-IV-L (G20, G23 and G25).

(c) Reference LPG fuel used in LPG mono-fuel or bi-fuel vehicles shall be as per Annexure IV M (Fuel A and Fuel B), however, in case of non-availability of reference fuels for CNG or LPG the commercially available CNG as per BIS 15958:2000 and LPG as per BIS 14861:2012 as amended from time to time shall be used for the purpose of type approval and conformity of production.

(d) Reference fuel Biogas (Bio-methane) shall be as per IS 16087:2013.

(e) The reference fuel Hydrogen Enriched Compressed Natural Gas (HCNG) shall be as per IS 17314:2019.

(f) In case of non-availability of E100 reference fuel, the commercially available E100 fuel as per IS17821:2022 shall be used for the purpose of type approval and conformity of production.

(g) The reference E20 fuel (20 percent of Ethanol in Gasoline) shall be as per IS 17943: 2022.

(h) The reference B100 fuel shall be as per Annexure-IV-S.

(i) The reference fuel for hydrogen shall be as specified in Annexure-IV-W.

5. Specifications of Commercial Fuels shall be as under, namely:-

i. The commercial Gasoline fuel shall be as per Annexure-IV-U.

ii. Specifications for commercial CNG and Commercial LPG shall be in accordance with BIS 15958:2012 and as per BIS 14861:2000 respectively.

iii. Biodiesel used in commercial diesel shall be as per IS 15607.

iv. Specifications for commercial diesel fuel shall be as per Annexure-IV-V.

v. Specifications for commercial ethanol E85 (85 percentage Ethanol in Gasoline) shall be as per IS 16634:.

vi. Specifications of commercial Biogas (Bio-methane) shall be as per IS 16087:2013.

vii. Specifications of commercial Hydrogen Enriched Compressed Natural Gas (HCNG) shall be as per IS 17314:2019.

viii. Specification for commercial ethanol fuel (E20) shall be as per IS 17021: 2018.

ix. Specification for commercial fuel E100 shall be as per IS 17821:2022.

6. There shall be no relaxation of norms for Conformity of Production (CoP) purpose.

7. The Conformity of Production (CoP) testing procedure shall be as described in AIS 137 and as amended time to time, for 3W vehicles, at least 50 per cent of vehicles models produced from particular plant shall be selected randomly from dealer's location or warehouse.

8. Alternative to fixed DF mention in Table 1, the vehicle manufacturers may opt for evaluation of deterioration factor as per procedure described in AIS 137.

9. The engine power shall be measured on engine dynamometer and the measured power shall conform to the power specified and tested as per procedure prescribed in AIS 137.

10. The vehicle presented for type approval shall have been run for 1000 km before the test.

11. (a) Compression Ignition (CI) vehicles specified herein shall comply with the provisions of clause (ii) of sub-rule (2) of rule 115.

(b) S.I. Vehicles specified herein shall comply with the provisions of clause (i) of sub-rule (2) of rule 115.

12. Crank case ventilation system shall not permit the emission of any of the crankcase gases into the atmosphere. Test procedure shall as per AIS 137.

13. Evaporative emission for gasoline driven vehicles shall not be more than 1.5 g/test. Test procedure shall be as per AIS 137.

14. The three wheeler vehicles shall be equipped with On-Board Diagnostics (OBD) systems for emission control which shall have the capability of identifying the likely area of malfunction by means of fault codes stored in computer memory as per the procedure laid down in AIS 137 and the On-Board Diagnostic (OBD) systems for emission control shall be as specified in the Tables, namely:-

TABLE 1

OBD FUNCTIONS AND ASSOCIATE

Vehicles manufactured on or after the 1st April, 2020, shall be required to comply with the following OBD Stage I (BS-VI) requirements or standards or compliances as per AIS 137:-

<i>Sr. No.</i>	<i>Monitoring Items.</i>
1.	Circuit continuity for all emission related power train component.
2.	Distance travelled since MIL (Malfunction indicator lamp) ON.
3.	Electrical disconnection of Electronic evaporative purge control device.

TABLE 2

OBD FUNCTIONS AND ASSOCIATE

Vehicles manufactured on or after the 1st April, 2023, shall be required to comply with the following OBD Stage II-A (BS-VI) requirements or standards or compliances as per AIS 137:-

<i>Sr. No.</i>	<i>Monitoring Items.</i>
1.	Circuit continuity for all emission related power train component.
2.	Circuit Rationality.
3.	Distance travelled since MIL (Malfunction indicator lamp) ON.
4.	Electrical disconnection of Electronic evaporative purge control device.
5.	EGR system monitoring.
6.	Misfire Detection.
7.	Oxygen sensor deterioration monitoring
8.	NOx after treatment system monitoring.
9.	Particulate filter monitoring.
10.	Particulate Matter (PM) Emission monitoring.
11.	On-Board Diagnostics (OBD) Emission Threshold Limits.

TABLE 3

OBD FUNCTIONS AND ASSOCIATE

Vehicles manufactured on or after the 1st April, 2025, shall be required to comply with the following OBD Stage II-B (BS-VI) requirements or standards or compliances as per AIS 137:-

<i>Sr. No.</i>	<i>Monitoring Items.</i>
1.	Circuit continuity for all emission related power train component.
2.	Circuit Rationality.
3.	Distance travelled since MIL (Malfunction indicator lamp) ON.
4.	Electrical disconnection of Electronic evaporative purge control device.
5.	EGR system monitoring.
6.	Misfire Detection.
7.	Oxygen sensor deterioration monitoring.
8.	NOx after treatment system monitoring.
9.	Particulate filter monitoring.
10.	Particulate Matter (PM) Emission monitoring.
11.	On-Board Diagnostics (OBD) Emission Threshold Limits.
12.	Catalytic converter monitoring.

TABLE 4

**ON-BOARD DIAGNOSTICS (OBD) EMISSION THRESHOLD LIMITS FOR BS-VI
OBD STAGE II-A (FOR VEHICLES MANUFACTURED ON OR AFTER THE 1ST
APRIL, 2023)**

<i>SL No.</i>	<i>Vehicle</i>	<i>CO</i> <i>mg/km</i>	<i>NOx</i> <i>mg/km</i>	<i>PM</i> <i>mg/km</i>
<i>(1)</i>	<i>(1)</i>	<i>(1)</i>	<i>(1)</i>	<i>(1)</i>
(1)	PI vehicles	955	758	140 ⁽¹⁾
(2)	CI vehicles	955	960	140

Explanatory Notes to superscript-

⁽¹⁾ In case of PI engines, applicable only to vehicles with Direct Injection engines.

TABLE 5

**ON-BOARD DIAGNOSTICS (OBD) EMISSION THRESHOLD LIMITS FOR BS-VI
OBD STAGE II-B (FOR VEHICLES MANUFACTURED ON OR AFTER THE 1ST
APRIL, 2025)**

<i>SL No.</i>	<i>Vehicle</i>	<i>CO</i> <i>mg/km</i>	<i>NOx</i> <i>mg/km</i>	<i>PM</i> <i>mg/km</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>
(1)	PI vehicles	880	425	140 ⁽¹⁾
(2)	CI vehicles	440	300	140

Explanatory Notes to superscript-

⁽¹⁾ In case of PI engines, applicable only to vehicles with Direct Injection engines.

(15) The CNG or Bio-CNG or HCNG Vehicles shall meet all the safety requirements as per AIS 024, AIS-028 Revision 1 as applicable.

(16) The compatibility of vehicle to the level of Ethanol blend of E85 or E100 shall be defined by the vehicle manufacturer and the same shall be displayed on the vehicle by a clearly visible sticker as per AIS-171:2021.

(17) For the Bi-fuel vehicles, the reference gasoline fuel shall be as per E5 or E10 or E20 as declared by the manufacturer during approval.

(18) All the Gasoline fuelled Mono Fuel and Bi-Fuel Vehicles with Positive Ignition Engines including Hybrids, manufactured on and after the 1st day of April 2025, shall be certified with Ethanol (E20) fuel to comply with the prevailing emission norms.

(19) All those vehicle or engine manufacturers, who have obtained certifications as per G.S.R. 156 (E) dated the 08 March, 2021, may not apply for compliance once again.

1. Three wheelers fitted with PI and CI Engines: BS VI : Table 1 substituted by G.S.R. 809(E), dated 09-11-2022 (w.e.f. 09-11-2022). [Download GSR 809(E)]
2. TABLE 2 : Table 2 substituted by G.S.R 27(E), dated 05-01-2024 (w.e.f. 05-01-2024). [Download GSR 27(E)]

115(21) ~ New BS-IV cut off for registration.

New motor vehicles conforming to Emission Standard Bharat Stage-IV, manufactured before the 1st April, 2020 shall not be registered after the 30th June, 2020:

Provided that the new motor vehicles of categories M and N conforming to Emission Standards Bharat Stage-IV, manufactured before the 1st April, 2020 and sold in the form of drive away chassis shall not be registered after the 30th September, 2020.

1. New motor vehicles conforming to Emission Standard Bharat Stage-IV, manufactured before the 1st April, 2020 shall not be registered after the 30th June, 2020: : Substituted by G.S.R.178(E), dated 20-02-2018 (w.e.f. 20-02-2018). [Download GSR 178(E)]
2. : Substituted by G.S.R.178(E), dated 20-02-2018 (w.e.f. 20-02-2018). [Download GSR 178(E)]
3. Provided that the new motor vehicles of categories M and N conforming to Emission Standards Bharat Stage-IV, manufactured before the 1st April, 2020 and sold in the form

115(22) ~ Emission Standards for (BS-VI) Quadricycle (L7).

Table 1A:

Vehicles fitted with Positive Ignition (PI) engine

*Applicable to Gasoline Direct Injection (DI) engines only

** Fixed DF of 300 mg/test shall be added to SHED test results. Alternate to fixed DF, manufacture opt for ageing of evaporative emission control devices as per the procedure specified in AIS 137 as amended from time to time.

Table 1B:

Vehicles fitted with Compression Ignition (CI) engine:

		TA=COP Norms
--	--	--------------

24/06/2025, 07:02

Central Motor Vehicles Rules, 1989

Sr. No	Item	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOX (mg/km)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
a.	Limit	500	100	68	90	
b.	DF	1.3	1.1	1.1	1.1	

TABLE 2

Emission Standard Bharat Stage-VI for Quadricycle (Category L 7) vehicles-
APPLICABILITY OF TEST REQUIREMENTS FOR TYPE-APPROVAL-BS-VI

		Vehicle with Positive Ignition (PI) engines including hybrids								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Reference Fuel	Mono-fuel						Bi-fuel(3)(5)			
	Gasoline (E5)/ (E10)/ (E20) ⁽⁶⁾	Ethanol (E100)	LPG	CNG/Bio-Methane/Bio-Gas/LNG	Hydrogen (ICE)	HCNG (Hydrogen+CNG)	Gasoline (E5)/ (E10)/ (E20) ⁽⁶⁾	Gasoline (E5)/ (E10)/ (E20) ⁽⁶⁾	Gasoline (E5)/ (E10)/ (E20) ⁽⁶⁾	

							LPG	CNG/Bio methane	
Gaseous pollutant (Type I test)	Yes	Yes	Yes	Yes	Yes	Yes	Yes ^(b)	Yes ^(b)	,
(2)Particulate Mass (Type I test)	Yes	Yes	No	No	No	No	Yes ^(a)	Yes ^(a)	,
Idle emission (Type II Test)	Yes	Yes	Yes	Yes	No	Yes	Yes ^(b)	Yes ^(b)	,
Crankcase emission (Type III test)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes(
Evaporative emission (Type IV test)	Yes	Yes	No	No	No	No	Yes ^(a)	Yes ^(a)	,
Durability (Type V test)	Yes	Yes	Yes	Yes	Yes	Yes	Yes ^(a)	Yes ^(a)	,
(4)CO2 & Fuel consumption	Yes	Yes	Yes	Yes	Yes	Yes	Yes ^(b)	Yes ^(b)	,

On Board Diagnostic (OBD)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Smoke Opacity	No	No	No	No	No	No	No	No	
Engine Power	Yes	Yes	Yes	Yes	Yes	Yes	Yes ^(b)	Yes ^(b)	

Explanatory Notes to superscript-

(1) Vehicles fuelled with bio diesel blends up to 7 per cent. shall be tested with reference diesel (B7) and vehicles fuelled with Bio diesel blends above 7 per cent (percent) will be tested with respective blends.

(2) In case of Positive Ignition (PI) engines, applicable only to vehicles with Direct injection engines.

(3) Vehicles models and variants having option for Bi-fuel operation and fitted with limp-home gasoline tank of capacity not exceeding three litres on quadricycle shall be exempted from test in Gasoline mode.

(4) CO₂ emission and fuel consumption shall be measured as per procedure laid down in AIS 137 as amended from time to time.

(5) When bi-fuel vehicle is combined with a flex fuel vehicle, both test requirements are applicable.

(6) Manufacturers shall select one of the following fuels, namely:- Reference Gasoline (E5) or Reference Gasoline (E10) or Reference E20 fuel for Type Approval and Conformity of Production test as per applicability.

Explanatory Notes to superscript-

Conditions.-

- (a) Gasoline Only
- (b) Both Fuels
- (c) B7 fuel only

Notes.-

1. The test shall be on Chassis Dynamometer.
2. The test procedure shall be as per AIS137 as amended from time to time. WMTC Test cycle Part1-cold followed by Part1-Hot to be driven.
 - a. Reference mass : kerb weight + 150 kg.
 - b. Weightage factors: WMTC Part1 Cold: 30%; WMTC Part1 Hot: 70 per cent.
 - c. Breakdown of WMTC Part 1 cycle: Refer AIS137.
 - d. Sampling start at T=0 sec (cold start).
3. A deterioration factor shall be applicable as per Table 1(A) and Table 1(B) above for durability. Alternatively, the vehicle manufacturer may opt for a vehicle ageing test of 80,000 kms for evaluating the Deterioration factor as per AIS: 137 and as amended from time to time.
4. For Type II test:
 - i. Gasoline or CNG or LPG vehicles specified herein shall comply with the provisions of clause (i) of sub-rule (2) of rule 115.
 - ii. Diesel vehicles specified herein shall comply with clause (ii) of sub-rule (2) of rule 115.
5. (i) Conformity of Production (COP)
 - i. The frequency and sampling shall be as per the following table with annual production exceeding 250 per 6 months:-

TABLE 3

Sl. No.	Type of vehicle	Annual Production	COP Frequency
--------------------	------------------------	--------------------------	----------------------

		<i>Exceeding</i>	<i>Upto</i>	
(1)	(2)	(3)	(4)	(5)
(a)	Quadricycle	250 per 6 months	10000 per year	Once every year
(b)	Quadricycle	10000 per year	75000 per 6 months	Once every 6 months
(c)	Quadricycle	75000 per 6 months	-----	Once every 3 months

ii. In case, Where the production volume in six months is less than 250 per model including its variants, the provisions contained in the sub-rule(5) to rule 126A shall apply.

iii. There shall be no relaxation of norms for Conformity of Production (COP) purposes.

iv. The Conformity of Production (COP) testing procedure shall be as described in AIS 137 as amended time to time.

6. (i) For vehicles operating on compressed natural gas mode, the provisions of rule 115(B) shall be applicable;

(ii) For vehicles operating on liquefied petroleum gas mode, the provisions of rule 115(C) shall be applicable.

7. Specification of Reference Fuels shall be as below, namely:-

a. The reference Gasoline fuels (E5) or (E10) ,as specified by the manufacturer, shall be as specified in Annexure IV-X or Annexure-IV-XA, respectively.

b. The reference Ethanol fuel (E85) shall be as per the Annexure-IV-Q.

- c. The Reference Diesel fuel (B7) shall be as specified in Annexure-IV–T.
 - d. Reference natural gas fuel used in Natural Gas or Bio-Methane mono-fuel or bi-fuel vehicles shall be as per Annexure-IV-L (G20, G23 and G25).
 - e. Reference LPG fuel used in LPG mono-fuel or bi-fuel vehicles shall be as per Annexure IV M (Fuel A and Fuel B), however, in case of non-availability of reference fuels for CNG / LPG, the commercially available CNG as per IS 15958:2012 and LPG as per IS 14861:2000 as amended from time to time shall be used for the purpose of type approval and conformity of production.
 - f. Hydrogen Fuel vehicles shall be tested with reference fuel specified in the Annexure IV-W.
 - g. The reference fuel Biogas (Bio-methane) shall be as per IS 16087:2013 and as amended from time to time.
 - h. In case of non-availability of E100 reference fuel, the commercially available E100 fuel as per IS17821:2022 as amended from time to time shall be used for the purpose of Type approval and Conformity of Production.
 - i. The reference E20 fuel (20 percent of Ethanol in Gasoline) shall as per IS 17943: 2022.
 - j. The reference for Hydrogen Compressed Natural Gas (HCNG) shall be as per IS 17314: 2019.
 - k. The reference B100 fuel shall be as per Annexure-IV-S.
8. Specifications of Commercial Fuels shall be as under, namely:-
- a. The Commercial Gasoline fuel shall be as per Annexure-IV-U.
 - b. Specification for commercial CNG and commercial LPG shall be in accordance with IS 15958:2012 and as per IS 14861:2000 respectively.
 - c. Bio-diesel used in commercial Diesel shall be as per IS 15607.
 - d. Specification for commercial diesel fuel shall be as per Annexure-IV-V.
 - e. Specification for commercial fuel E85 (85 percentage Ethanol in Gasoline) shall be as per IS 16634:2017.

- f. Specification of commercial Biogas (Bio-methane) shall be as per IS 16087:2013.
 - g. Specification for commercial ethanol fuel (E20) shall be as per IS 17021: 2018.
 - h. Specification for commercial Hydrogen Enriched Compressed Natural Gas (HCNG) shall be as per IS 17314: 2019.
 - i. Specification for commercial fuel E100 shall be as per IS 17821:2022.
9. Crank case ventilation shall not permit the emission of any of the crank case gases into the atmosphere. The test procedure shall be as per AIS 137.
10. The engine power shall be measured on engine dynamometer and the measured power shall conform to the power specified, when tested as per procedure prescribed in AIS 137.
11. CO₂ emission and fuel consumption shall be measured as per procedure laid down in AIS 137.
12. The vehicle presented for type approval shall have been run for at least 1000 km before the test.
13. The vehicles shall be equipped with On Board Diagnostic (OBD) systems for emission control which shall have the capability of identifying the likely area of malfunction by means of fault codes stored in computer memory as per the procedure laid down in AIS 137.

Table 4:

OBD I monitoring items for BS-VI vehicles manufactured on or after the 1st April, 2020:

Sr. No.	Monitoring Items	All Positive ignition vehicles	All Compression ignition vehicles
(1)	(2)	(3)	(4)

(a)	Oxygen (O ₂) sensor	√	--
(b)	Secondary Air System, if provided	√	--
(c)	Electronic fuel injection system	--	√
(d)	Coolant temperature	√	√
(e)	EGR,(Exhaust Gas Recirculation), if provided	√	√
(f)	Emission Control systems / components (Comprehensive Components)	√	√
(g)	Circuit continuity for all emission related power train components	√	√
(h)	Distance travelled since MIL (Malfunction Indicator Lamp) ON	√	√

ii. OBD Stage II-A Thresholds for BS-VI vehicles manufactured on or after 1st April, 2023:

Table-5:

OBD Stage II-A Thresholds for BS-VI vehicles manufactured on or after the 1st April, 2023:

<i>Sr. No.</i>	<i>Engine Type</i>	<i>CO (mg/km)</i>	<i>THC (mg/km)</i>	<i>NOX (mg/km)</i>
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(1)	(2)	(3)	(4)	(5)
(a)	Positive Ignition (PI)	2170	1400	350
(b)	Compression Ignition (CI)	2170	630	900

iii. OBD Stage II-B Thresholds for BS-VI vehicles manufactured on or after 1st April, 2025:

Table 5A:

OBD Stage II-B Thresholds for BS-VI vehicles manufactured on or after the 1st April, 2025

<i>Sr. No.</i>	<i>Engine</i>	<i>CO</i> <i>(mg/km)</i>	<i>NMHC</i> <i>(mg/km)</i>	<i>NOX</i> <i>(mg/km)</i>	<i>PM</i> <i>(mg/km)</i>
(1)	(2)	(3)	(4)	(5)	(6)
(a)	Positive Ignition (PI)	1900	250	300	50 ⁽¹⁾
(b)	Compression Ignition (CI)	1900	320	540	50
<i>(1) Positive ignition (PI) engine, applicable only to vehicles with gasoline direct injection engines</i>					

Table 6:

OBD II Monitoring Items

Sr. No	Monitoring Items <i>(if equipped/where fitted)</i>	OBD Stage II-A 1st April, 2023	OBD Stage II-B 1st April, 2025
(1)	(2)	(3)	(4)
a.	All emission related power train components: electric circuit Malfunctions (Circuit continuity + Circuit rationality)	√	√
b.	Distance travelled since MIL (Malfunction indicator lamp) ON	√	√
c.	Electrical disconnection of Electronic evaporative purge control device	√	√
d.	Catalytic converter monitoring	x	√
e.	EGR system monitoring	√	√
f.	Misfire detection for PI vehicle	√	√
g.	Oxygen sensor deterioration	√	√
h.	Particulate filter	√	√
i.	Particulate matter (PM) monitoring.	√	√

14. The CNG or Bio-CNG or HCNG vehicles shall meet all the safety requirements as per AIS 24 and AIS 28 (Revision 1), as applicable.

15. The compatibility of vehicle to the level of Ethanol blend of E85/E100 shall be defined by the vehicle manufacturer and the same shall be displayed on the vehicle by a clearly visible sticker as per AIS-171:2021.

16. For the Bi-fuel vehicles, the reference gasoline fuel shall be as per E5 or E10 or E20 as declared by the manufacturer during Approval.

17. All the Gasoline fuelled Mono Fuel and Bi-Fuel Vehicles with Positive Ignition Engines including Hybrids, manufactured on and after the 1st day of April, 2025, shall be certified with Ethanol (E20) fuel to comply with the prevailing emission norms.

18. All those vehicle or engine manufacturers, who have obtained certifications as per G.S.R. 156 (E) dated 08 March 2021, may not apply for compliance once again.

1. The Emission Standards Bharat Stage VI (BS-VI) for Quadricycle (Category L7), for all models shall be as under: : Rule 115(22) inserted by Notification No. G.S.R. 308(E) dated 22/05/2020 (w.e.f 22/05/2020). [Download GSR 308(E)]
2. TABLE 2 : Table 2 substituted by G.S.R 27(E), dated 05-01-2024 (w.e.f. 05-01-2024). [Download GSR 27(E)]

Rule 115-A ~ Emission of smoke and vapour from agricultural tractors, power tillers, construction equipment vehicles and combine harvesters driven by diesel engines.

(1) Every agricultural tractors, construction equipment vehicles and combine harvesters manufactured on and from the date of commencement of this rule shall be maintained by its owner in such condition and shall be so used that visible and gaseous pollutants emitted by them comply with the standards as prescribed in this rule.

(2) Every manufacturer of an agricultural tractor, construction equipment vehicle and combine harvesters shall comply with the standards for visible pollutants, emitted by it, when tested as per the procedure described in Indian Standards IS: 12062:1987.

(3) The emission of visible pollutants shall not exceed the limit values given below when tested on engine dynamometer at eighty per cent load at six equally spaced speeds, namely:—

- a. Fifty-five per cent of rated speed declared by the manufacturer or one thousand r.p.m., whichever is higher; or
- b. rated speed declared by the manufacturer.

Maximum Smoke Density	
Light absorption coefficient(lm)	Hartridge units
3.25	75

(4) BS I -Construction Equipment Vehicles:

Every diesel driven Construction Equipment Vehicles shall be so manufactured and produced by its manufacturer that it complies with the following standards of gaseous pollutants, emitted by them in addition to those of visible pollutants as provided in sub-rule (2) when tested as per the procedures described in ISO 8178-4 "CI"8 mode cycle, namely:—

The weighted average Mass of Carbon Monoxide (CO), Hydrocarbons (HC) and Mass Oxides of Nitrogen (NO_x) in gram or 94[per] kilo watt. hr. emitted during the test shall not exceed the limits given below, both for type approval and Conformity On Production tests, namely:—

Mass of Carbon Monoxide(CO)	—	14.0 gram or 94[per] kilo watt. hr.
Mass of Hydrocarbon (HC)	—	3.5 gram or 94[per] kilo watt. hr.
Mass of Oxides of Nitrogen (NO _x)	—	18.0 gram or 94[per] kilo watt. hr.]

(5) BS II & III - Agriculture tractor & Power triller:

Every diesel driven agriculture tractor and power tiller shall be so manufactured and produced by the manufacturer that it complies with the following standards of gaseous pollutant emitted by them in addition to those of visible pollutants as provided in sub-rule (2) when tested as per the procedure prescribed in ISO 8178-4 "CI" 8 mode cycle, namely:—

The weighted average Mass of Carbon Monoxide (CO), Hydrocarbon (HC) and Oxides of Nitrogen (NO_x) and Particulate Matter (PM) in gram per kilo watt hour emitted during the test shall not exceed the limits given below in the Table for Type Approval (TA) and Conformity of Production (COP) tests, namely:—

TABLE

	Bharat (Term) Stage II norms	Bharat (Term) Stage III norms
(1)	(2)	(3)
	TA=COP	TA=COP
Mass of Carbon Monoxide (CO)	9.0	5.5
Mass of Hydrocarbons (HC)	15.0	9.5
Mass of Oxides of Nitrogen (NO _x)		
Mass of Particulate Matter (PM)	1.0	0.8]

Notes.—

1. The norms mentioned in column (2) of the said Table which are applicable for agricultural tractor with effect from the 1st day of June, 2003, shall be applicable for power tillers from the 1st day of October, 2006.
2. The norms mentioned in column (3) of the said Table shall be applicable for agricultural tractor with effect from the 1st day of October, 2005 and for power tillers from the 1st day of April, 2008.]

(6) BS II & III - CEV and Self-propelled Combine harvester:

Every diesel driven construction equipment vehicle and self-propelled combine harvester shall be so manufactured that it complies with the following standards of gaseous pollutants emitted by them in addition to those of visible pollutants as provided in sub-rule (2), when tested as per the procedure described in ISO 8178 Part-4 (1996) _C1' 8 mode cycle for variable speed engines and ISO 8178 Part – 4 (1996) _D2' 5 mode cycle for constant speed engines, namely:-

The weighted average Mass of Carbon Monoxide (CO), Hydrocarbon (HC) and Oxides of Nitrogen (NO_x), and Particulate Matters (PM) in grams per kilo Watt hour emitted during the test shall not exceed the limits given below in the TABLE for type Approval (TA) and Conformity of Production (COP) tests, namely :-

TABLE

Limit Values for Type Approval (TA) as well as for Conformity of Production (COP)

Bharat Stage II (CEV)	Applicable with effect from the	CO	HC	NO_x	
Category		g/kWh			
kW<8	1st October, 2008	8.00	1.30	9.20	
8 – kW < 19	1st October, 2008	6.60	1.30	9.20	
19 – kW < 37	1st October, 2007	6.50	1.30	9.20	

37 – kW < 75	1st October, 2007	6.50	1.30	9.20	
75 – kW < 130	1st October, 2007	5.0	1.30	9.20	
130 – kW < 560	1st October, 2007	5.0	1.30	9.20	
Bharat Stage III (CEV)	Applicable with effect from the	CO	HC = NOx		
Category		g/kWh			
kW < 8	1st April, 2011	8.00	7.50		
8 – kW < 19	1st April, 2011	6.60	7.50		
19 – kW < 37	1st April, 2011	5.50	7.50		
37 – kW < 75	1st April, 2011	5.0	4.70		
75 – kW < 130	1st April, 2011	5.0	4.00		
130 – kW < 560	1st April,2011	3.50	4.00		

Notes :-

1. The test shall be on Engine Dynamometer.
2. The Test-Procedure for measurement of Gross Power (without Fan) shall be as per Part IV of MoSRTTH/CMVR/TAP-115/116 Issue No.3.
3. The Test-Procedure for measurement of emission of visible and gaseous pollutants and Particulate Matter shall be as per MoSRTTH/CMVR/TAP -115/116 Part X (Sub-part B).

4. The emission of visible pollutants shall not exceed the limit values given in sub-rule (3) of rule 115-A when tested on engine dynamometer at eighty per cent load at six speeds as per sub-rule (3) of rule 115-A.
5. To meet Bharat Stage III (CEV) norms with effect from 1st April, 2011, Engine manufacturer may opt for an engine test as mentioned in Table 1 below for evaluating deterioration factors as per Annexure V of Part X, sub-part B of MoSRTTH/CMVR/TAP-115/116 Issue No.3.

TABLE 1

Category (power band)	Useful life (hours)
	(Emission Durability Period)
< 19 kW	3000
19 < kW ≤ 37 (constant speed)	3000
19 < kW ≤ 37 (variable, speed)	5000
>37 kW	8000

OR

TABLE 2 - Fixed Deterioration factors shall be used as per table 2 below.

CO	HC	NO _x	PM
1.1	1.05	1.05	1.1

6. There shall be no relaxation of norms for COP purposes.
7. COP Selection Procedure shall be as per MoSRTTH/CMVR/TAP-115/116 Part VI.
8. COP Frequency:-
 - a. for equipment with annual production upto 200 Nos. shall be once in two years per Engine Family;
 - b. for equipment with annual production exceeding 200 Nos. shall be once in every year per Engine Family.]
9. [\[Bharat Stage III CEV\) norms shall be applicable to self-propelled combine harvester on and from the commencement of the Central Motor Vehicles \(Fourth Amendment\) Rules, 2015.\]](#)

(7) BS III-A Agriculture tractor & tractor-operated Combine harvester:

[Every diesel driven agricultural tractor and agricultural tractor-operated combine harvester manufactured on and from the date specified in Column \(2\) of the Table 1 shall comply with the Bharat \(Trem\) Stage-III-A norms and the weighted average mass of Carbon Monoxide \(CO\), Hydrocarbon \(HC\) and Oxides of Nitrogen \(NOx\) and Particulate Matters \(PM\) in grams per kilo Watt/hour emitted by them in addition to those of visible pollutants as provided in sub-rule \(2\), when tested for type Approval \(TA\) and Conformity of production \(COP\) in accordance with the procedure specified in ISO 8178 Part-4 \(1996\), C1' 8 mode cycle, shall not exceed the limits given in columns \(3\), \(4\) and \(5\) respectively, of the said Table.](#)

TABLE 1 - Limits Values for Type Approval (TA) and Conformity of Production (COP)

<i>Category</i>	<i>Applicable from</i>	<i>CO</i>	<i>HC + NOx</i>	<i>PM</i>
(1)	(2)	(3)	(4)	(5)
<8 kW	1.4.2010	5.5	8.5	0.8
8 ≤ kW < 19	1.4.2010	5.5	8.5	0.8

19≤kW < 37	1.4.2010	5.5	7.5	0.6
37≤kW < 56	1.4.2011	5.0	4.7	0.4
56≤ kW < 75	1.4.2011	5.0	4.7	0.4
75≤kW < 130	1.4.2011	5.0	4.0	0.3
130≤kW < 560	1.4.2011	3.5	4.0	0.2

Notes :-

1. The test shall be on Engine Dynamometer.
2. The test procedure for measurement of Gross Power (without Fan) shall be as per Part IV of MoSRTTH/CMVR/TAP-115/116 Issue No.3.
3. The test procedure for measurement of emission of visible and gaseous pollutants and Particulate Matter shall be as per MoSRTTH/CMVR/TAP-115/116 Part X (sub-part A).
4. Test fuel shall be the reference fuel as specified in Annexure IV-P.
5. The emission of visible pollutants, when tested as provided in sub-rule (3) of rule 115-A, shall not exceed the limit values given therein.
6. To meet Bharat (Trem) Stage-III-A norms with effect from the date specified in column (2) of Table 1, the engine manufacturer may opt for an aging test as specified in Table 2 for evaluating deterioration factors as per Annexure V of Part X (sub-part B) of MoSRTTH/CMVR/TAP/115-116 Issue No.3 or fixed deterioration factors as per Table 3.

TABLE 2

<i>Category (power band)</i>	<i>Useful life (hours)</i>
------------------------------	----------------------------

	<i>(Emission Durability Period)</i>
≤ 19 kW	3000
$19 < \text{kW} \leq 37$	5000
> 37 kW	8000

TABLE 3

CO	HC	NO_x	PM
1.1	1.05	1.05	1.1

7. There shall be no relaxation of norms for Conformity of Production (COP) purposes.

8. Conformity of Production (COP) Selection Procedure shall be as per MoSRTTH/CMVR/TAP-115/116 Part VI.

9. Conformity of Production (COP) Frequency shall be as per Part X (sub-part A) of MoSRTTH/CMVR/TAP-115/116.

Explanation : The term —engine after-treatment system family‖ means if same after-treatment system consisting of catalyst, particulate traps, etc., is used on a series of engines, then the deterioration factor based on engine test shall be applicable to the entire series.]

(8) BS III for Gasoline driven power triller & Agriculture tractor:

Every gasoline driven power tiller manufactured on and from 1st July, 2013 and every gasoline multi-utility industrial power sweeper and every gasoline agricultural tractor manufactured on and from 1st October, mass emission standards, when tested for Type Approval (TA) and Conformity of Production (COP) in accordance with the eighth mode test cycle as specified in the following Table 2 below: -

TABLE 1

<i>Mode</i>	<i>Engine Speed</i>	<i>Percent Load</i>	<i>Weighted Load</i>
(1)	(2)	(3)	(4)
1.	Rated	100	0.15
2.	Rated	75	0.15
3.	Rated	50	0.15
4.	Intermediate speed	10	0.1
5.	Intermediate speed	100	0.1
6.	Intermediate speed	75	0.1
7.	Intermediate speed	50	0.1
8.	Idle	-	0.15

TABLE 2

Limit value for type Approval (TA) and Conformity of Production (COP)

Co(g/Kwhr)	HC+Nox(g/Kwhr)
-------------------	-----------------------

(1)	(2)
14	24

Notes :-

1. Test shall be on engine dynamometer.
2. The Test procedure for measurement of gross power (without fan) shall be as per Is: 14599.
3. The reference fuel for Gasoline power tiller engine shall be as specified in Annexure IV-G of the said rules.
4. The test procedure for measurement of emission gaseous pollutants shall be as per procedure laid down in Ministry of Road Transport and Highways/Central Motor Vehicles Rules/Type Approvals Procedure-115/116 (MoRTH/CMVR/TAP-115/116).]

(9) BS IV & V - Agriculture tractor, Power triller & Combine harvester:

Every agricultural tractor, power triller and combine harvester shall be so manufactured that it complies with the following standards of gaseous pollutants emitted by them when tested on following duty cycle, namely :-

- a. for variable-speed engines, the 8-mode test cycle or the corresponding ramped modal cycle and the transient cycle Non Road Transient Cycle (NRTC);
- b. for constant-speed engines, the 5-mode test cycle or the corresponding ramped modal cycle;
- c. emissions (g/kWh) shall be measured over applicable emission limit for Non Road Steady Cycle (NRSC) and Non Road Transient Cycle (NRTC) test cycle as per test applicability mentioned in Table 1 and Table 2 given below and for NRTC test cycle, composite weighted emissions shall be computed by weighing the cold start results 10 per cent. and the hot start results 90 per cent. weighted composite results shall meet the limits given in said- tables

Table 1 - (TREM Stage - IV)

Applicable emission limit for Non Road Steady Cycle (NRSC) and Non Road Transient Cycle (NRTC) test cycle

	<i>Applicable with effect from</i>	<i>CO</i>	<i>HC</i>	<i>NOx</i>	<i>PM</i>	<i>Test Cycle*</i>
<i>Category, kW</i>		<i>g/ kWh</i>				
$37 \leq P < 56$	1st January, 2023	5.0	4.7 (HC+NO _x)		0.025	NRSC and NRTC
$56 \leq P < 130$		5.0	0.19	0.4	0.025	
$130 \leq P < 560$		3.5	0.19	0.4	0.025	

* Test cycle as described in AIS: 137 and as amended from time to time.

Table 2 - (TREM Stage - V)

Applicable emission limit for Non Road Steady Cycle (NRSC) and Non Road Transient Cycle (NRTC) test cycle

	<i>Applicable with effect from</i>	<i>CO</i>	<i>HC</i>	<i>NOx</i>	<i>PM</i>	<i>PN</i>	<i>Test cycle</i>
<i>Category, kW</i>		<i>g/ kWh</i>				<i>#/kWh</i>	
$P < 8$		8.0	7.5 (HC+NO _x)		0.4	----	NRSC
$8 \leq P < 19$		6.6	7.5 (HC+NO _x)		0.4	-----	

$19 \leq P < 37$	1 st April, 2026	5.0	4.7 (HC+NO _x)		0.015	1×1012	NRSC and NRTC
$37 \leq P < 56$		5.0	4.7 (HC+NO _x)		0.015	1×1012	
$56 \leq P < 130$		5.0	0.19	0.4	0.015	1×1012	
$130 \leq P < 560$		3.5	0.19	0.4	0.015	1×1012	
$P \geq 560$		3.5	0.19	3.5	0.045	-----	NRSC

Notes:-

- i. The test shall be done on engine dynamometer.
- ii. The test procedure for measurement of gross power (without Fan) shall be as per procedure laid down in AIS: 137 and as amended time to time.
- iii. For gross power measurement the tolerance shall be applied for type approval and conformity of production as per table 3 given below –

Table 3

<i>Engine Type</i>	<i>Rated power [%]</i>	<i>Other measurement points on the curve [%]</i>	<i>Tolerance for engine speed [%]</i>
Type approval	±2	±4	±1.5
Conformity of production	±5	±10	±5

- iv. Test procedure for measurement of emission of visible and gaseous pollutant and particulate matter shall be as per procedure laid down in AIS: 137 and as amended from time to time.
- v. The emission of visible pollutant (smoke) shall not exceed the limit values of smoke density when expressed as light absorption coefficients as given in Annexure I of sub-rule (9) of rule 115, when tested on engine dynamometer at full load at six speeds as per procedure laid down in AIS: 137 and as amended from time to time.
- vi. (a) Engine manufacture may opt for an engine test as mentioned in table 4 given below for evaluating deterioration factors as per procedure laid down in AIS:137 and as amended from time to time-

Table 4

Category (Power Band)	Emission durability period (hours)
≤ 37 kW (constant speed Engines)	3000
≤ 37 kW (Variable speed Engines)	5000
> 37 kW	8000

- (b) As an alternative to use a service accumulation schedule to determine deterioration factors, engine manufacturers may select to use the assigned multiplicative deterioration factors as per table 5 given below-

Table 5

Test cycle	CO	HC	NO _x	PM
NRSC	1.3	1.3	1.15	1.05
NRTC	1.3	1.3	1.15	1.05

vii. Conformity of Production (COP) frequency and selection procedure shall be as per procedure laid down in AIS: 137 and as amended time to time.

viii. For Conformity of Production (COP),-

a. for agricultural tractor, construction equipment and combine harvester with annual production or Import up to 200 nos (per engine family), it shall be once in two years per family or model.

b. for agricultural tractor, construction equipment and combine harvester equipment with annual production or Import exceeding 200 nos (per engine family), it shall be once in every year per family or model.

ix. For Conformity of Production (COP), the sampling size shall be one day's average production subject to a minimum of 10 and maximum of 100:

Provided that for engine family produced less than 200 in the yearly period sample size may be one.

x. For Type approval and Conformity of Production (COP) test, fuel shall be Reference fuel or commercial fuel as specified in Annexure IV–T and Annexure IV–V respectively.

xi. The vehicles specified in this rule fitted with engine, which rely on the use of a reagent in order to reduce emissions, shall ensure the correct operation of NO_x control measures, as per procedure laid down in AIS:137 and as amended from time to time.

xii. Emission of ammonia over the NRTC and NRSC for engines equipped with SCR shall not exceed a mean value of 25 ppm for engine power category less than or equal to 56 kW and 10 ppm for engine power category above 56 kW.

xiii. The diesel engine Nox reduction agent AUS: 32 (Aqueous Urea Solution) shall conform to part 1 and part 2 of ISO: 22241.

- xiv. The vehicles specified under this rule and manufactured after the 1st April 2026 shall be monitored for gaseous pollutant emission from in-service internal combustion engines installed on vehicles, as per procedure laid down in AIS: 137 and as amended from time to time.
- xv. The engine or vehicle fitted with engines shall be affixed with a conformance label meeting the requirements as specified in AIS: 137 and as amended from time to time.
- xvi. For the vehicles specified under this rule, the emission sampled within the control area as per procedure laid down in AIS-137 and as amended from time to time, shall not exceed more than two times the limit values of the emission specified in Table 1 and Table 2 for stages IV and V, respectively:

Provided that the vehicles manufactured before the date of applicability of Emission TREM Stage - IV or TREM Stage - V, respectively, shall be registered up to six months after the respective date of implementation of this rule.

(10) BS IV - BS V for CEV:

Every construction equipment vehicle shall be so manufactured that it complies with the following standards of gaseous pollutants emitted by them when tested on following duty cycle, namely :-

- a. for variable-speed engines, the 8-mode test cycle or the corresponding ramped modal cycle and the transient cycle Non Road Transient Cycle (NRTC);
- b. for constant-speed engines, the 5-mode test cycle or the corresponding ramped modal cycle;
- c. emissions (g/kWh) shall be measured over applicable emission limit for Non Road Steady Cycle (NRSC) and Non-Road Transient Cycle (NRTC) test cycle as per test applicability mentioned in Table 1 and Table2 given below and for NRTC test cycle, composite weighted emissions shall be computed by weighing the cold start results 10 per cent. and the hot start results 90 per cent. weighted composite results shall meet the limits given in said- tables.

Table 1 - (CEV Stage- IV)

Applicable emission limit for Non-Road Steady Cycle (NRSC) and Non-Road Transient Cycle (NRTC) test cycle

Category, kW	Applicable with effect from	CO	HC	NO _x	PM	Test Cycle*
		<i>g/ kWh</i>				
$37 \leq P < 56$	1 st April, 2021	5	4.7 (HC+NO _x)		0.025	NRSC and NRTC
$56 \leq P < 130$		5	0.19	0.4	0.025	
$130 \leq P < 560$		3.5	0.19	0.4	0.025	

*Test cycle as described in AIS: 137 and as amended from time to time.

Table 1 - (CEV Emission Stage - V)

Applicable emission limit for Non-Road Steady Cycle (NRSC) and Non-Road Transient Cycle (NRTC) testcycle

Category, kW	Applicable with effect from	CO	HC	NO _x	PM	PN	Test cycle
		<i>g/ kWh</i>				<i>g/kWh</i>	
$P < 8$	1st January, 2025	8	7.5 (HC+NO _x)		0.4	----	NRSC
$8 \leq P < 19$		6.6	7.5 (HC+NO _x)		0.4	-----	
$19 \leq P < 37$		5	4.7(HC+NO _x)		0.015	1×10^{12}	NRSC and NRTC
$37 \leq P < 56$		5	4.7 (HC+NO _x)		0.015	1×10^{12}	

$56 \leq P < 130$		5	0.19	0.4	0.015	1×10^{12}	
$130 \leq P < 560$		3.5	0.19	0.4	0.015	1×10^{12}	
$P \geq 560$		3.5	0.19	3.5	0.045	-----	NRSC

Note:-

- i. For gasoline multi-utility industrial power sweepers, provisions as per Sub-rule (8) of 115A shall continue to be applicable till next level norms are notified.
- ii. The test shall be done on engine dynamometer.
- iii. The test procedure for measurement of gross power (without Fan) shall be as per procedure laid down in AIS: 137 and as amended time to time.
- iv. For gross power measurement the tolerance shall be applied for type approval and conformity of production as per Table 3 given below –

Table 3

Engine Type	Rated power [%]	Other measurement points on the curve [%]	Tolerance for engine speed [%]
<i>Type approval</i>	± 2	± 4	± 1.5
<i>Conformity of production</i>	± 5	± 10	± 5

- v. Test procedure for measurement of emission of visible and gaseous pollutant and particulate matter shall be as per procedure laid down in AIS: 137 and as amended from

time to time.

- vi. The emission of visible pollutant (smoke) shall not exceed the limit values of smoke density when expressed as light absorption coefficients as given in Annexure I of sub-rule (9) of rule 115, when tested on engine dynamometer at full load at six speeds as per procedure laid down in AIS: 137 and as amended from time to time.
- vii. (a) Engine manufacture may opt for an engine test as mentioned in table 4 given below for evaluating deterioration factors as per procedure laid down in AIS:137 and as amended from time to time-

Table 4

Category (Power Band)	Emission durability period (hours)
$\leq 37kW$ (<i>constant speed Engines</i>)	3000
$\leq 37kW$ (<i>Variable speed Engines</i>)	5000
$> 37 kW$	8000

- (b) As an alternative to use a service accumulation schedule to determine deterioration factors, engine manufacturers may select to use the assigned multiplicative deterioration factors as per Table 5 given below

Table 5

Test cycle	CO	HC	NO _x	PM
NRSC	1.3	1.3	1.15	1.05
NRTC	1.3	1.3	1.15	1.05

- viii. Conformity of Production (COP) frequency and selection procedure shall be as per procedure laid down in AIS:137 and as amended time to time.
- ix. For Conformity of Production (COP),-
- (a) for construction equipment vehicle with annual production or Import up to 200 nos (per engine family), it shall be once in two years per family or model.
 - (b) for construction equipment vehicle with annual production or Import exceeding 200 nos (per engine family), it shall be once in every year per family or model.
- x. For Conformity of Production (COP), the sampling size shall be one day's average production subject to a minimum of 10 and maximum of 100:

Provided that for engine family produced less than 200 in the yearly period sample size may be one.

- xi. For Type approval and Conformity of Production (COP) test, fuel shall be Reference fuel or commercial fuel as specified in Annexure IV–T and Annexure IV-V of sub-rule (18) of rule 115.
- xii. The vehicles specified in this rule fitted with engine, which rely on the use of a reagent in order to reduce emissions, shall ensure the correct operation of NOx control measures, as per procedure laid down in AIS:137 and as amended from time to time.
- xiii. Emission of ammonia over the Non– road transient cycle (NRTC) and non-road steady cycle (NRSC) for engines equipped with SCR (selective catalytic reduction) shall not exceed a mean value of 25 ppm for engine power category less than or equal to 56 kW and 10 ppm for engine power category above 56 kW.
- xiv. The diesel engine NOx reduction agent AUS: 32 (Aqueous Urea Solution) shall conform to part 1 and part 2 of ISO: 22241.
- xv. The vehicles specified under this rule and manufactured after the 1st April 2026 shall be monitored for gaseous pollutant emission from in-service internal combustion engines installed on vehicles, as per procedure laid down in AIS: 137 and as amended from time to time.
- xvi. The engine or vehicle fitted with engines shall be affixed with a conformance label meeting the requirements as specified in AIS: 137 and as amended from time to time.

- xvii. For the vehicles specified under this rule, the emission sampled within the control area as per procedure laid down in AIS-137 and as amended from time to time, shall not exceed more than two times the limit values of the emission specified in Table 1 and Table 2 for CEV stage IV and CEV stage V, respectively:

Provided that the vehicles manufactured before the date of applicability of CEV Stage- IV or CEV Stage- V, shall be registered up to eight months six months respectively, after the respective date of implementation of this rule.

1. Every agricultural tractors, construction equipment vehicles and combine harvesters] manufactured on and from the date of commencement of this rule shall be maintained by its owner in such condition and shall be so used that visible and gaseous pollutants emitted by them comply with the standards as prescribed in this rule. : Rule 115A substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]
2. agricultural tractor, construction equipment vehicle and combine harvesters : Substituted for "agriculture tractor and construction equipment vehicles" by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]
3. Every diesel driven agriculture tractor and power tiller shall be so manufactured and produced by the manufacturer that it complies with the following standards of gaseous pollutant emitted by them in addition to those of visible pollutants as provided in sub-rule (2) when tested as per the procedure prescribed in ISO 8178-4 "CI" 8 mode cycle, namely: — : Sub Rule (5) substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005)
4. BS II & III - CEV and Self-propelled Combine harvester: : Sub rule (6) Inserted by GSR 276(E) dated 10/04/2007 (w.e.f. 10/04/2007) [Download GSR 276(E)]
5. [Bharat Stage III CEV) norms shall be applicable to self-propelled combine harvester on and from the commencement of the Central Motor Vehicles (Fourth Amendment) Rules, 2015.] : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]
6. Every diesel driven agricultural tractor and agricultural tractor-operated combine harvester manufactured on and from the date specified in Column (2) of the Table 1 shall comply with the Bharat (Trem) Stage-III-A norms and the weighted average mass of Carbon Monoxide (CO), Hydrocarbon (HC) and Oxides of Nitrogen (NOx) and Particulate Matters (PM) in grams per kilo Watt/hour emitted by them in addition to those of visible pollutants as provided in sub-rule (2), when tested for type Approval (TA) and Conformity of production (COP) in accordance with the procedure specified in ISO 8178

Part-4 (1996) = C1' 8 mode cycle, shall not exceed the limits given in columns (3), (4) and (5) respectively, of the said Table. : Inserted by GSR 84(E), dt. 09/02/2009 (w.e.f. 09/02/2009)

7. Every gasoline driven power tiller manufactured on and from 1st July, 2013 and every gasoline multi-utility industrial power sweeper and every gasoline agricultural tractor manufactured on and from 1st October, mass emission standards, when tested for Type Approval (TA) and Conformity of Production (COP) in accordance with the eighth mode test cycle as specified in the following Table 2 below: - : Sub Rule (8) substituted by GSR 543(E), dt. 30/07/2014 (w.e.f. 30/07/2014). [Download GSR 543(E)]

8. Every agricultural tractor, power triller and combine harvester shall be so manufactured that it complies with the following standards of gaseous pollutants emitted by them when tested on following duty cycle, namely :- : Sub Rule (9) inserted by G.S.R 598(E) dated 30/09/2020, w.e.f 30/09/2020. [Download GSR 598(E)]

9. Non Road Steady Cycle (NRSC) : Substituted for the words "Non-Road Safety Cycle" by G.S.R 676(E) dated 29/09/2021, (w.e.f 29/09/2021). [Download GSR 676(E)]

10. 1st January, 2023 : Substituted for "1st October 2022" by GSR 850(E) dtd. 24/11/2022 (w.e.f. 24/11/2022). [Download GSR 850(E)]

11. 2026 : Substituted for "2024" by GSR 141(E), dt. 27/02/2024 (w.e.f. 27/02/2024). [Download GSR 141(E)]

12. Every construction equipment vehicle shall be so manufactured that it complies with the following standards of gaseous pollutants emitted by them when tested on following duty cycle, namely :- : Sub Rule (10) inserted by G.S.R 598(E) dated 30/09/2020, (w.e.f 30/09/2020). [Download GSR 598(E)]

13. Non Road Steady Cycle (NRSC) : Substituted for the words "Non-Road Safety Cycle" by G.S.R 676(E) dated 29/09/2021, (w.e.f 29/09/2021). [Download GSR 676(E)]

14. 1st January, 2025 : Substituted for "1st April 2024" by GSR 163(E), dt. 07/03/2024 (w.e.f. 07/03/2024). [Download GSR 163(E)]

15. Provided that the vehicles manufactured before the date of applicability of CEV Stage- IV or CEV Stage- V, shall be registered up to eight months six months respectively, : Proviso substituted by G.S.R. 800(E),dated 15-11-2021 (w.e.f. 15-11-2021). [Download GSR 800(E)]

16. after the respective date of implementation of this rule. : Proviso substituted by G.S.R. 800(E),dated 15-11-2021 (w.e.f. 15-11-2021). [Download GSR 800(E)]

Rule 115-AA ~ Emission of smoke and vapour from agriculture tractors, power tillers, construction equipment vehicles and combine harvesters driven by dual fuel.

Emission of smoke and vapour from agriculture tractors, power tillers, construction equipment vehicles and combine harvesters driven by dual fuel diesel with Compressed Natural Gas or Bio-Compressed Natural Gas or Liquefied Natural Gas engines.

(1) In case of agriculture tractors, power tillers, construction equipment vehicles and combine harvesters driven by Original Equipment (O.E) manufactured as dual fuel engine or converted in-use diesel engines to dual fuel engines by using diesel engines and any fuel out of Compressed Natural Gas (here in after referred to as CNG), Bio-Compressed Natural Gas (hereinafter referred to as Bio-CNG) or Liquefied Natural Gas (hereinafter referred to as LNG), prevailing mass emission norms for diesel mode shall also be applicable for CNG or Bio-CNG or LNG dual fuel mode for type approval and Conformity of Production (CoP).

(2) The CNG or Bio-CNG or LNG composition used for carrying out emission shall meet the fuel specifications as notified by the Central Government from time to time under applicable law:

Provided that till such time the commercial CNG or Bio-CNG shall be used for the purpose of type approval and conformity of production and in case of LNG, fuel complying with the requirements as provided in Annexure IV- LA shall be used for the purpose of type approval and conformity of production.

(3) The Original Equipment manufacturer or retrofitter shall meet the safety requirements and code of practice for vehicle or engine and its kit components as laid down in Annexure IX, AIS-024 and AIS- 028(Rev. 1), as amended from time to time.

(4) Mass emission standards for CNG or Bio-CNG or LNG dual fuel engines of agriculture tractors, power tillers, construction equipment vehicles and combine harvesters shall be same as the mass emission standards applicable for diesel engines of agriculture tractors, power tillers, construction equipment vehicles and combine harvesters with exception that the HC (Hydrocarbon) shall be replaced by NMHC (Non-Methane Hydrocarbon) on measurement basis as detailed in rule 115 A and the test applicability requirements for dual fuel engine shall bedepending on the Gas Energy Ratio (GER) measured over test-cycle applicable as per prevailing norms. GER classification shall be as per MoRTH/CMVR/TAP-115/116 (as

amended from time to time) and notifications issued by the Central Government from time to time under the applicable law.

(5) Tests for particulate matter and emission of visible pollutants (smoke) stipulated in the rule 115A shall be applicable for dual fuel CNG or Bio-CNG or LNG engine or vehicle.

(6) The type approval certificate of CNG or Bio-CNG or LNG dual fuel kit for retro fitment shall be valid for three years from the date of the issue of type approval certificate and shall be renewable for three years at a time.

1. Emission of smoke and vapour from agriculture tractors, power tillers, construction equipment vehicles and combine harvesters driven by dual fuel diesel with Compressed Natural Gas or Bio-Compressed Natural Gas or Liquefied Natural Gas engines. : Rule 115AA inserted by G.S.R. 1151(E), dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

Rule 115-B ~ Mass emission standards for CNG or Bio-CNG or LNG Driven Vehicles.

Mass emission standards for Compressed Natural Gas (CNG) or Bio-Compressed Natural Gas (Bio-CNG) or Liquefied Natural Gas (LNG) Driven Vehicles.

(1) Mass emission standards for vehicles when operating on Compressed Natural Gas (here in after in this rule referred to as "CNG") shall be the same as are applicable for gasoline vehicles with the exception that HC shall be replaced by Non-Methane Hydrocarbon (NMHC), where $NMHC = 0.3 \times HC$

[Provided that bio-compressed natural gas (bio-CNG) shall be permitted for motor vehicles as an alternate composition of the compressed natural gas (CNG):

Provided further that the mass emission standards applicable to compressed natural gas (CNG) vehicles under these rules shall be applicable to respective vehicles when they use bio-compressed natural gas (bio-CNG):

Provided also that the bio-compressed natural gas (bio-CNG) composition meets the fuel specification for bio-compressed natural gas (bio-CNG) as per IS 16087 and meets the requirement of Siloxanes max 0.1 ppm (calculated as Si).]

(A): Original Equipment /Converted Gasoline Vehicles.

(I) Gasoline vehicles with O.E fitment.

For gasoline vehicles with Original Equipment (here in after in this rule referred to as O.E) fitment.

- a. In case of CNG fitments by vehicle manufacturers on new petrol vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use;]
- b. Base model and variants of such vehicle shall conform to these rules as applicable and type approval emission norms in petrol mode as specified in these rules. In the case of CNG mode, it shall meet mass emission norms as specified in rule 115, excluding crankcase and evaporative emission norms.
- c. [Vehicle models and variants having option for bi-fuel operation and fitted with limp-home Gasoline tank of capacity not exceeding two litres, three litres and five litres respectively on two-wheeler, three wheeler and four wheeler shall be exempted from mass emission tests including all tests specified under sub-rule (2), Notes 6 and 7 mentioned below clause (c) of sub-rule (14) and Notes 6,7,15 and 16 of sub-clause (i) of clause (b) of sub-rule (15) of rule 115 in Gasoline mode;
- d. Prevalent conformity of production procedure shall also be applicable.]

(II) For in-use Gasoline vehicles.

- a. The in-use vehicles fitted with CNG kits shall meet the type approval emission norms on CNG operation, as specified in these rules for gasoline vehicles as applicable to the corresponding year of manufacturer of such vehicles, subject to a minimum norms as under:-
 - (i) For the vehicles manufactured up to 31st March, 2000, the type approval norms equivalent to India – 2000 (India Stage I) norms as applicable under these rules; and
 - (ii) [For the vehicles manufactured on or after the 1st April, 2000, and up to the 30th September, 2010, the type approval norms as specified in the Bharat Stage-II norms;]
 - (iii) [For the vehicles manufactured on and after the 1st day of April, 2005, the type approval norms as applicable subject to minimum of Bharat Stage III emission norms as

applicable subject to minimum of Bharat Stage III emission norms in case of four-wheelers and Bharat Stage II emission norms for two and three-wheelers;]

(iv) [For the vehicles manufactured on and after 1st day of April 2010, the type approval norms as applicable, subject to minimum of Bharat Stage-IV emission norms for category M and Category N Vehicles with Gross Vehicle Weight not exceeding 3500 kg and Bharat Stage-III emission norms for two and three wheelers.]

(v) for the vehicles manufactured on and after the 1st day of April 2016, the type approval norms as applicable, subject to minimum of Bharat Stage-IV emission norms for two and three wheeler.

b. For purposes of CNG kit approval, kit manufacturer or supplier shall obtain in the certified from any of the test agencies authorised under rule 126 based on engine capacity of vehicle, in the following manner, namely:

i. CNG kit for the vehicle shall be approved for vehicles irrespective of make and model. Such a kit shall be considered fit for retro fitment in any vehicle within a specified range of engine capacity of c.c.

ii. Separate type approval shall be necessary for the following types of vehicles, namely :-

(a) Two stroke;

(b) Four stroke;

(c) Carburetted;

(d) Single point fuel injected; and

(e) Multi point fuel injected.

Explanation : In the case of O.E. or conversion of "In-Use" Gasoline Vehicles,—

a. For the purposes of granting Type Approval to a CNG kit, the tests shall be carried out as per the Table below by the test agencies.

TABLE

	Test	Reference Document
	(1)	(2)
(i)	Mass emission tests	MOST/CMVR/TAP-115/116 and notifications issued by the Government of India in this respect IS:14599-1999
(ii)	Engine performance tests on engine dynamometer applicable for OE only	IS: 14599-1999
[(iii)]	Fuel consumption test	SL. No. 31 of the notification number S.O 1365(E0, dated the 13th December, 2004]

b. The test procedure and safety guidelines for CNG vehicles, kit components including Installation thereof, shall be as per AIS 024, as amended from time to time, till such time as corresponding BIS specifications are notified.

c. For OE fitment and retro fitment on "in-use" vehicles, there responsibility to Type Approval shall be that of the vehicle manufacturer and kit manufacturer or supplier respectively.

d. The Type Approval of CNG kit for "retrofitment" shall be valid for three years from the Date of issue of such approval and shall be renewable for three years at a time.

e. The retrofitment of CNG kits on in-use vehicles shall be carried out by workshops authorized by the kit manufacturer / supplier or vehicle manufacturers, as the case may be.

f. The test agency shall complete the test and give necessary certificate with in a period of three months from the date of receiving the kits.

g. The kit manufacturer/supplier shall provide a layout plan for retrofitment of CNG kit in the respective models on which any approved kit is to be installed, to the test agency for vetting and approval. The retrofitment of the kit shall be on the basis of such approved

layout plan only. Testing agencies will be required to indicate specifically, the models and their variants on which the certificate will be valid.

[\[x x x x\]](#)

(III) *For in-use BS VI gasoline vehicle with GVW less than 3.5T.*

[For in-use BS VI gasoline vehicle of categories L, M&N with GVW less than 3.5T.](#)

(a) For the purpose of granting type approval to the vehicle fitted with a CNG (natural gas) kit, performance tests shall be carried out as per the table below:-

TABLE

Sl. No.	Applicable test	Reference docun
1.	Mass emission test (Type I test)	1.CMV Rule 115 (18)(i),115 (
2.	On-Board diagnosis	or 115 (22) as applicable Mo TAP115/116 Part XIV Annexure 3
3.	In-service conformity and IUPR(In-use performance ratio)	2.AIS-137
4.	CO2 emission	CO2 to be measured and repo
5.	Gradeability test	AIS 003
6.	EMC test (Vehicle level or assembly level)	AIS 004 (part 3)
7.	Offset Frontal Collision Note: only if there is increase in the kerb mass w.r.t approved model/variant having highest GVW, by more than 8%	AIS-098

(b) Vehicles shall meet all the safety requirements as per AIS 024, AIS-028 Revision 1 as applicable.

(c) Type approvals for vehicles retrofitted with Compressed Natural Gas (CNG) kits shall be valid for three years from the date of issue of such approval and shall be renewed for every three years at a time.

(d) Type approval for vehicles retrofitted or modified for CNG operation shall be given for vehicles of specific make and such kit shall be considered fit for retrofitment in any vehicle within a specified range of engine capacity of cc within a range of $\pm 7\%$ tolerance for vehicles up to 1500 cc & $\pm 5\%$ above 1500 cc.

(e) Real world driving cycle emission measurement using Portable Emissions Measurement Systems (PEMS) shall be carried out for data collection for three years from the date of notification for the computation of Conformity factor (CF).

(f) The engine power shall be measured on engine dynamometer as per procedures prescribed in AIS 137 as amended from time to time. Measured power with CNG shall be within a range of $-15\% \leq \text{Power on CNG} \leq +5\%$ w.r.t the power measured on gasoline and the power test can be performed, on request of the manufacturer, on the complete vehicle on a chassis dynamometer. The engine power shall be calculated as the sum of the power measured at wheels and the transmission losses of the vehicle.

(g) CNG vehicles or kit components, including their installation, shall conform to the safety checks given in Annexure IX.

(h) In-service conformity and In-use Performance Ratio (IUPR) requirements to be applicable after three years from the date of implementation of this notification.

(B): O.E. CNG Vehicles/Converted Diesel Vehicle.

(I) *For O.E. CNG Dedicated Vehicle made by Vehicle Manufacturers.*

For O.E. CNG Dedicated Vehicle (including drive-away chassis) made by Vehicle Manufacturers.

- a. In case of CNG fitments by vehicle manufacturers on new diesel vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing

mass emission norms as applicable for the category of new vehicles in respect of the place of its use;]

- b. O.E.CNG engine approved for specific engine capacity can be installed on the base model and
- c. its variants complying with the requirements under these rules as applicable;
- d. Tests for particulate matter and emission of visible pollutants (smoke) under these rules shall not be applicable;
- e. Prevailing COP procedure will also be applicable.

(II) *For conversion by modification of engines of In-use Diesel Vehicles.*

- a. Type approval for diesel vehicle retrofitted/modified for dedicated CNG operation shall be given for specific make and model of the vehicle, in view of major changes or modifications involved in the CNG kit and diesel engine depending upon make and model of the vehicle;
- b. CNG kit approved on the vehicle for specific engine capacity can be installed on the base model and its variants fitted with the same capacity engine;
- c. The in-use vehicles when converted to operate on CNG shall meet the type Approval norms of diesel vehicles corresponding to the year of their manufacture subject to the following minimum norms:—
 - i. for the vehicles manufactured upto the 31st day of March, 2000, the type approval norms equivalent to India-2000 (India Stage I) norms as applicable under these rules;]
 - ii. [for the vehicles manufactured on and after the 1st day of April, 2000, the type approval norms as specified in the Bharat Stage II norms, till the validity of such Bharat Stage II norms;]
 - iii. For the vehicles manufactured on and after the 1st day of April, 2005, the type approval norms as applicable subject to minimum of Bharat Stage III emission norms in case off our- wheelers and Bharat Stage II emission norms for two and three-wheelers till the validity of these norms;]

- iv. [for the vehicle manufactured on and after 1st April 2010, the type approval norms as applicable, shall be subject to minimum of Bharat Stage-IV emission norms in case of four wheelers and Bharat Stage-III emission norms in case of two and three wheelers till the validity of these norms;]

- d. Vehicles offered for Type Approval to the testing agency referred in rule 126 of the Central Motor Vehicles Rules, 1989 shall have to comply with fitness requirement, as applicable under these rules;
- e. Tests for particulate matter and emission of visible pollutants (smoke) under these Rules shall not be applicable;
- f. Separate Type Approval is required for mechanically controlled and electronically controlled diesel fuel injected vehicles when retrofitted/modified for CNG operation.

Explanation : In the case of O.E. or conversion of "In-Use" vehicles by modification—

- a. for the purpose of granting Type Approval to the vehicle fitted with CNG engine (converted from diesel engine) as O.E., or conversion by modification of "In-Use" diesel vehicles, performance tests shall be carried out as per the Table given below by the test agencies, namely:—

TABLE

Test	Reference Document (As amended from
(1)	(2)
(i) Mass emission tests	MOST/CMVR/TAP-115/116 and notificat Government of India in this respect
(ii) Engine performance tests	IS : 14599-1999
(iii) Gradeability	In accordance with notification issued und Central Motor Vehicle Rules, 1989

(iv) Fuel Consumption test	SI. No. 32 of the notification number S.O. 13 31st December, 2004]
(iv) Electro-Magnetic Interference (EMI)	In accordance with notification issued und Central Motor Vehicle Rules, 1989
(v) Range Test of at least 250 kn for buses	--
(vi) Cooling Performance	IS: 14557, 1998

Note.-

- a. The mass emission tests shall be carried out either on engine dynamometer or chassis dynamometer, as applicable.
- b. Tests procedure and safety guidelines for CNG vehicles, kit components including installation thereof, shall be as per AIS 024, as amended from time to time, till such time as corresponding BIS specifications are notified;
- c. For O.E. fitment and retro fitment/modification on —"In-Use" vehicles, the responsibility of Type Approval shall be that of the vehicle manufacturer and kit manufacturer or supplier respectively;
- d. The Type Approval of CNG kit for retro fitment shall be valid for 3 years from the date of issue and shall be renewable for three years at a time;
- e. The retro fitment of CNG kits on in-use vehicles shall be carried out by workshops authorised by the kit manufacturer/supplier or vehicle manufacturers, as the case may be;
- f. The test agency shall complete the test and give necessary certificate within a period of three months from the date of receiving the kits.

[\[x x x x\]](#)

(III) *For conversion by modification of engines of in-use Diesel Vehicles with GVW less than 3.5T.*

For conversion by modification of engines of in-use diesel vehicle of categories L, M & N with GVW less than 3.5T.

(a) For the purpose of granting type approval to the vehicle retrofitted or modified for dedicated CNG operation, performance tests shall be carried out as per the table below:-

TABLE

Sl. No.	Applicable test	Reference document
1.	Mass emission test (Type I test)	1.CMV Rule 115 (18)(i),115 (19),115 (20) or 115 (22) as applicable Mc
2.	On-Board diagnosis	TAP115/116 Part XIV Chapter 14
3.	In-service conformity and IUPR	2.AIS-137
4.	CO2 emission	CO2 to be measured and reported
5.	Gradeability test	AIS 003
6.	EMC test (Vehicle level or assembly level)	AIS 004 (part 3)
7.	Offset Frontal Collision Note: only if there is increase in the kerb mass w.r.t approved model or variant having highest GVW, by more than 8%	AIS-098

(b) Vehicles shall meet all the safety requirements as per AIS 024, AIS-028 Revision 1 as applicable.

- (c) Type approvals for vehicles retrofitted with CNG kits shall be valid for three years from the date of issue of such approval and shall be renewed for every three years at a time.
- (d) CNG kit shall be type approved for vehicles of specific make. Such kit shall be considered fit for retrofitment in any vehicle within a specified range of engine capacity of cc within a range of $\pm 7\%$ for vehicles up to 1500 cc & $\pm 5\%$ above 1500 cc.
- (e) Real world driving cycle emission measurement using PEMS shall be carried out for data collection for three years from the date of notification for the computation of Conformity factor (CF).
- (f) The engine power shall be measured on engine dynamometer as per procedures prescribed in AIS 137 as amended time to time. Measured power with CNG shall be within a range of $-15\% \leq \text{Power on CNG} \leq +5\%$ w.r.t. the power measured on diesel. The power test can be performed, on request of the manufacturer, on the complete vehicle on a chassis dynamometer. The engine power shall be calculated as the sum of the power measured at wheels and the transmission losses of the vehicle.
- (g) CNG vehicles or kit components, including their installation, shall conform to the safety checks given in Annexure IX.
- (h) In-service conformity and IUPR requirements to be applicable after three years from the date of implementation of this notification.]

BA: [O.E. or Converted, Dual Fuel or Dedicated Dual Fuel (for vehicles GVW above 3.5 T), Diesel with CNG or Bio-CNG or LNG.

(I) *For O.E. CNG or Bio-CNG or LNG dual fuel or dedicated dual fuel vehicles having GVW above 3.5 T.*

For O.E.CNG or Bio-CNG or LNG dual fuel or dedicated dual fuel vehicles having GVW above 3.5 T including drive away chassis manufactured by vehicle manufacturer.

- a. In case of CNG or Bio-CNG or LNG fitments by vehicle manufacturers on new diesel vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use and the test applicability requirements for dual fuel engine

shall be depending on the Gas Energy Ratio (GER) measured over test-cycle applicable as per prevailing norms and the GER classification shall be as per MoRTH/CMVR/TAP-115/116 (as amended from time to time) and notifications issued by the Central Government from time to time under the applicable law :

Provided that the O.E. CNG or Bio-CNG or LNG dual fuel engine approved for specific engine capacity may be installed on the base model and its variant complying with the requirements under these rules as applicable;

- b. tests for particulate matter and emission of visible pollutants (smoke) under these rules shall be applicable for dual fuel CNG or Bio-CNG or LNG engine or vehicle;
- c. prevailing COP procedure shall also be applicable;
- d. prevailing mass emission and OBD norms stipulated in rule 115 for diesel mode shall also be applicable for dual fuel mode.
- e. mass emission standards for CNG or Bio-CNG or LNG dual fuel engines or vehicles shall be same as are applicable for diesel engines or vehicles with exception that HC shall be replaced by NMHC (Non-Methane Hydrocarbon) on measurement basis.

(II) *For CNG or Bio-CNG or LNG dual fuel or dedicated dual fuel vehicles having GVW above 3.5 T, conversion by modification of engines of in-use diesel vehicles.*

- a. Type approval for CNG or Bio-CNG or LNG dual fuel conversion by modification of engines of in- use diesel vehicles shall be given for specific make and model of vehicle and shall meet applicable type approval norms of diesel vehicles corresponding to the year of manufacture of such diesel vehicle(s);
- b. CNG or Bio-CNG or LNG dual fuel kit approved on the vehicle for specific engine capacity can be installed on the base model and its variant fitted with the same capacity engine;
- c. vehicles offered for type approval to the testing agency referred to in rule 126 of the Central Motor Vehicles Rules, 1989 shall have to comply with the fitness requirement, as applicable under these rules;
- d. prevailing and applicable tests for particulate matter and emission of visible pollutants (smoke) provided under rule 115 shall be applicable for dual fuel CNG or Bio-CNG or

LNG engine or vehicle;

- e. separate type approval is required for mechanically controlled and electronically controlled diesel fuel injected vehicles when modified for dual fuel CNG or Bio-CNG or LNG operation;
- f. mass emission standards for CNG or Bio CNG or LNG dual fuel engines or vehicles shall be same as are applicable for diesel engines/vehicles with exception that HC shall be replaced by NMHC (Non-Methane Hydrocarbon) on measurement basis.

Explanation : In the case of OE or conversion of “In-Use” vehicles by modification. — (a) for the purpose of granting type approval to the vehicle fitted with dual fuel CNG or Bio-CNG or LNG engine (converted from diesel engine) as O.E., or conversion by modification of “In-use” diesel vehicles, performance tests shall be carried as per Table given below by the test agencies, namely:—

TABLE

<u>Sl. No.</u>	<u>Test</u>	<u>Reference Document</u>
<u>(1).</u>	<u>(2).</u>	<u>(3).</u>
<u>1.</u>	<u>Mass emission tests for dual fuel CNG/Bio-CNG/LNG vehicles shall be as per prevailing norms, as applicable for diesel vehicles</u>	<u>MoRTH/CMVR/TAP-115/116 and notifications issued by Government of</u> <u>respect</u>
<u>2.</u>	<u>Engine performance test</u>	<u>MoRTH/CMVR/TAP-115/116 or IS:1.</u> <u>applicable) and notifications issued by</u> <u>Government in this respect</u>
<u>3.</u>	<u>Gradeability test</u>	<u>In accordance with notification issued</u> <u>of Central Motor Vehicles Rules, 1989</u>

<u>4.</u>	<u>Fuel consumption test</u>	<u>SL No 31 of Notification No S.O. 1364 December, 2004</u>
<u>5.</u>	<u>Electromagnetic Compatibility(EMC)/EMI test</u>	<u>In accordance with notification issued of Central Motor Vehicles Rules, 1989</u>
<u>6.</u>	<u>Range test of at least 250 kilometers for buses on dual fuel mode only.</u>	<u>AIS:55</u>
<u>7.</u>	<u>Cooling performance</u>	<u>IS: 14557:1998</u>

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Note:—

- a. Mass emission tests shall be carried out either on engine dynamometer or chassis dynamometer, as applicable;
- b. test procedure and safety guidelines and code of practice for dual fuel CNG or Bio-CNG or LNG vehicles, kit components including installation thereof, shall be as per AIS-024 and AIS-028(Rev.1), as amended from time to time, till such time as corresponding BIS specifications are notified;
- c. for O.E. fitment and retro fitment or modification on “In-Use” vehicles the responsibility of type approval shall be that of vehicle manufacturer and kit manufacturer or supplier respectively;
- d. the type approval certificate of CNG or Bio-CNG or LNG dual fuel kit for retro fitment shall be valid for three years from date of issue and shall be renewable for three years at a time;
- e. the retro fitment of duly type approved CNG or Bio-CNG or LNG dual fuel kits on in-use vehicles shall be carried out by workshops authorized by the kit manufacturer or supplier or vehicle manufacturers, as the case may be.]

BB: [Mass emission standards for LNG driven vehicles.

(I) Original Equipment or Converted Gasoline Vehicles.

- a. In case of LNG fitments by vehicle manufacturers on new gasoline vehicles, the mass emission standards, safety and other specified requirements applicable to Original Equipment CNG Vehicles under paragraph I of para A of sub-rule (1) of rule 115B shall be applicable to Original Equipment manufactured vehicle having GVW less than or equal to 3.5 T.
- b. the in-use gasoline vehicles fitted with LNG kits, the mass emission standards, safety and other specified requirements applicable to converted CNG Vehicles under paragraph II of para A of sub- rule (1) of rule 115B shall be applicable to converted LNG vehicle from in use gasoline vehicle having GVW less than or equal to 3.5 T, when Liquefied Natural Gas is used as fuel.

(II) For LNG conversion by modification of engines of in-use diesel vehicles.

The mass emission standards, safety and other specified requirements applicable to converted CNG Vehicles under paragraph II of para B of sub-rule (1) of rule 115B shall be applicable to converted LNG vehicle from in use diesel vehicle having GVW more than 3.5 T, when Liquefied Natural Gas is used as fuel.

(III) Replacement of In-use Diesel Engine by New dedicated LNG Engine.

The mass emission standards, safety and other specified requirements applicable to replacement of In- use Diesel Engine by New dedicated CNG Engine under para C of sub-rule (1) of rule 115B shall be applicable to vehicles, wherein replacement of In-use Diesel Engine by New dedicated LNG Engine, when Liquefied Natural Gas is used as fuel.]

BC: [O.E. or Converted, Dual Fuel or Dedicated Dual Fuel (for vehicles GVW below 3.5 T), Vehicles having Diesel with Compressed Natural Gas (CNG) or Bio-Compressed Natural Gas (Bio-CNG) or Liquefied Natural Gas (LNG) as dual fuel.

(I) For O.E. CNG or Bio-CNG or LNG dual fuel or dedicated dual fuel vehicles having GVW below 3.5 T, -

- a. (i) in case of CNG or Bio-CNG or LNG fitments by vehicle manufacturers on new diesel vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use;

(ii) the test applicability requirements for dual fuel engine shall depend on the Gas Energy Ratio (GER) measured over test-cycle, applicable as per prevailing norms and the GER classification shall be as per the MoRTH/CMVR/TAP- 115/116(as amended from time to time) and notifications issued by the central Government from time to time under the applicable law:

Provided that the O.E. CNG or Bio-CNG or LNG dual fuel or dedicated dual fuel engine approved for specific engine capacity may be installed on the base model and its variant;

- b. tests for particulate matter and emission of visible pollutants (smoke) under these rules shall be applicable for dual fuel or dedicated dual fuel CNG or Bio- CNG or LNG engine or vehicle;
- c. prevailing COP procedure shall also be applicable;
- d. prevailing mass emission and OBD norms stipulated in rule 115 for diesel mode shall also be applicable for dual fuel or dedicated dual fuel mode;
- e. mass emission standards for CNG or Bio-CNG or LNG dual fuel or dedicated dual fuel vehicles shall be same as are applicable for diesel vehicles with exception that HC shall be replaced by NMHC (Non-Methane Hydrocarbon) on measurement basis.

(II) *For CNG or Bio-CNG or LNG dual fuel or dedicated dual fuel vehicles having GVW below 3.5 T, conversion by modification of engines of in-use diesel vehicles -*

- a. type approval for in-use diesel engines retrofitted or modified for CNG or Bio- CNG or LNG dual fuel or dedicated dual fuel conversion by modification of engines of in-use diesel vehicles shall be given for specific make and model of vehicle and shall meet applicable type approval norms of diesel vehicles corresponding to the year of manufacture of such diesel vehicle;
- b. CNG or Bio-CNG or LNG dual fuel or dedicated dual fuel kit approved on the vehicle for specific engine capacity can be installed on the base model and its variant fitted with the same capacity engine;
- c. Vehicles offered for type approval to the testing agency as referred to in rule 126 shall have to comply with the applicable fitness requirement, under these rules;

- d. prevailing and applicable tests for particulate matter and emission of visible pollutants (smoke) provided under rule 115 shall be applicable for dual fuel or dedicated dual fuel CNG or Bio-CNG or LNG engine or vehicle;
- e. separate type approval shall be required for mechanically controlled and electronically controlled diesel fuel injected vehicles when modified for dual fuel or dedicated dual fuel CNG or Bio-CNG or LNG operation;
- f. mass emission standards for CNG or Bio CNG or LNG dual fuel or dedicated dual fuel vehicles shall be same as are applicable for diesel vehicles with exception that HC shall be replaced by NMHC (Non-Methane Hydrocarbon) on measurement basis.

Explanation. - In the case of OE or conversion of "In-Use" vehicles by modification -

(a) for the purpose of granting type approval to the vehicle fitted with dual fuel or dedicated dual fuel CNG or Bio-CNG or LNG engine (converted from diesel engine) as O.E., or conversion by modification of "In-use" diesel vehicles, performance tests shall be carried as per Table given below by the test agencies, namely: -

Table

Sl. No.	Test	Reference Document
(1)	(2)	(3)
1.	Mass emission tests for dual fuel CNG/Bio-CNG/LNG vehicles shall be as per prevailing norms, as applicable for diesel vehicles.	MoRTH/CMVR/TAP-115/116 and notifications issued by Government of India in this regard.
2.	Engine performance test	MoRTH/CMVR/TAP-115/116 or IS:1400 (as applicable) and notifications issued by Government in this regard.

3.	Grade ability test	In accordance with notification issued u of the Central Motor Vehicles Rules, 19
4.	Fuel consumption test	Sl.no 31 of notification no S.O. 1365 (E 13th December, 2004.
5.	Electromagnetic Compatibility(EMC)/EMI test	In accordance with notification issued u of the Central Motor Vehicles Rules, 19
6.	Range test of at least 250 kms for buses	AIS:55
7.	Cooling performance	IS: 14557, 1998

Note :

- a. Mass emission tests shall be carried out on chassis dynamometer, as applicable;
- b. test procedure and safety guidelines and code of practice for dual fuel or dedicated dual fuel CNG or Bio-CNG or LNG vehicles, kit components including installation thereof, shall be as per AIS-024 and AIS-028(Rev.1), as amended from time to time, till such time as corresponding Bureau of Indian Standards specifications are notified;
- c. for O.E. fitment and retro fitment or modification on "In-Use" vehicles the responsibility of type approval shall be that of vehicle manufacturer and kit manufacturer or supplier, respectively;
- d. the type approval certificate of CNG or Bio-CNG or LNG dual fuel or dedicated dual fuel kit for retro fitment shall be valid for three years from the date of issue;
- e. The retro fitment of duly type approved CNG or Bio-CNG or LNG dual fuel or dedicated dual fuel kits on in-use vehicles shall be carried out by workshops authorised by the kit manufacturer or supplier or vehicle manufacturers, as the case may be.]

(C) : Replacement of In-Use Diesel Engine by New CNG Engine.

[For Type Approval of in-use vehicle diesel engine replaced by new Compressed Natural Gas engine, it shall meet prevailing emission norms as applicable to the category of vehicle in respect of its place of use subject to tests mentioned in the Table given below.]

TABLE

<i>Test</i>	<i>Reference Document</i>
<i>(1)</i>	<i>(2)</i>
(i) Mass emission tests	MOST/CMVR/TAP-115/116 notification issued by Government of India in this respect
(ii) Engine performance tests	IS : 14599 – 1999
(iii) Gradeability	In accordance with notification issued under the Central Motor Vehicles Rules, 1989
(iv) Electro Magnetic Interference (EMI)	In accordance with notification issued under the Central Motor Vehicles Rules, 1989
(v) Range test of at least 250 km for buses	---
(vi) Cooling Performance	IS : 14557, 1998
(vii) Fuel Consumption test	SI. No. 31 of the notification number S.O. 1363 dated the 13th December, 2004]

Explanation :

- a. Vehicles offered for Type Approval to the testing agency referred in rule 126 shall have to comply with fitness requirement, as applicable under these rules.

- b. Test procedure and safety guidelines for such CNG vehicles, kit components including installation there of shall be as per AIS 024, as amended from time to time, till such time as corresponding BIS specifications are notified.
- c. The test agency shall complete the test and give necessary certificate with in three months of the same being submitted for tests.
- d. Testing agencies will be required to indicate specifically, the models and their Variants on which the replacement of new engine will be valid.]

(CA): Replacement of In-use Diesel Engine by New dual fuel CNG or Bio-CNG or LNG Engine.

[For type approval of in-use vehicle having diesel engine replaced by new dual fuel CNG or Bio- CNG or LNG Engine, it shall meet prevailing emission norms as applicable to the Category of vehicles in respect of its place of use subject to tests mentioned in the Table given below, namely:—

TABLE

<i>Sl. No.</i>	<i>Test</i>	<i>Reference Document</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>
1.	Mass emission tests Mass emission tests for dual fuel CNG/Bio-CNG/LNG vehicles shall be as per prevailing norms, as applicable for diesel vehicles	MoRTH/CMVR/TAP-115/116 and notifications issued by Government of India in this respect
2.	Engine performance test	MoRTH/CMVR/TAP-115/116 or IS:1456 (as applicable) and notifications issued by the Government in this respect
3.	Gradeability test	In accordance with notification issued under Central Motor Vehicles Rules, 1989

4.	Fuel consumption test	SL No 31 of Notification No S.O. 1365 December, 2004
5.	Electromagnetic Compatibility (EMC)/EMI test	In accordance with notification issued u Central Motor Vehicles Rules,1989
6.	Range test of at least 250 kilometers for buses on dual fuel mode only	AIS:55

Explanation :

- a. Vehicles offered for type approval to the testing agency referred in rule 126 shall have to comply with fitness requirement, as applicable under these rules;
- b. test procedure and safety guidelines and code of practice for such dual fuel CNG or Bio-CNG or LNG vehicles, kit components including installation thereof shall be as per AIS-024 and AIS-028, as amended from time to time, till such time as corresponding BIS specifications are notified;
- c. testing agencies will be required to indicate specifically, the models and variants on which the replacement of new engine shall be valid;
- d. mass emission standards for CNG or Bio-CNG or LNG dual fuel engines or vehicles shall be same as are applicable for diesel engines or vehicles with exception that the HC shall be replaced by NMHC (Non-Methane Hydrocarbon) on measurement basis.
- e. the test applicability requirements for dual fuel engine is depending on the Gas Energy Ratio (GER) measured over test-cycle applicable as per prevailing norms. GER classification shall be as per MoRTH/CMVR/TAP-115/116 (as amended from time to time) and notifications issued by the Central Government in this respect.”;]

(CB): Replacement of In-use BS VI Diesel engine by new CNG engine.

[Replacement of In-use BS VI Diesel engine by new CNG engine for vehicle categories L, M & N with GVW less than 3.5T.](#)

(a) For type approval of in-use BS VI vehicle having diesel engine replaced by new CNG engine, it shall meet BS VI emission norms as applicable to the category of vehicle in respect of its place of use subject to tests mentioned in the table given below:-

TABLE

Sl. No.	Applicable test	Reference document
1.	Mass emission test (Type I test)	1. CMV Rule 115 (18)(i), 115 (19), 115 (20) or 115(22) as applicable MoRTH/CMVR/ TAP115/116 Part XIV Chapter 14 Annexure 3 2. AIS-137
2.	On-Board diagnosis	
3.	In-service conformity and IUPR	
4.	CO ₂ emission	CO ₂ to be measured and reported
5.	Gradeability test	AIS 003
6.	EMC test (Vehicle level or assembly level)	AIS 004 (part 3)
7.	Offset Frontal Collision Note: only if there increase in the kerb mass w.r.t approved model/variant having highest GVW, by more than 8%	AIS-098

(b) Vehicles shall meet all the safety requirements as per AIS 024, AIS-028 Revision 1 as applicable.

(c) Type approvals for vehicles retrofitted with CNG kits shall be valid for three years from the date of issue of such approval and shall be renewed for every three years at a time.

(d) CNG kit shall be type approved for vehicles of specific make. Such kit shall be considered fit for retrofitment in any vehicle within a specified range of engine capacity of cc within a range of $\pm 7\%$ for vehicles up to 1500 cc & $\pm 5\%$ above 1500 cc.

(e) Real world driving cycle emission measurement using PEMS shall be carried out for data collection for three years from the date of notification for the computation of Conformity factor (CF).

(f) The engine power shall be measured on engine dynamometer as per procedures prescribed in AIS 137 as amended from time to time. Measured power with CNG shall within a range of $-15\% \leq \text{Power on CNG} \leq +5\%$ w.r.t. the power measured on diesel. The power test can be performed, on request of the manufacturer, on the complete vehicle on a chassis dynamometer. The engine power shall be calculated as the sum of the power measured at wheels and the transmission losses of the vehicle.

(g) CNG vehicles or kit components, including their installation, shall conform to the safety checks given in the Annexure IX.

(h) In-service conformity and IUPR requirements to be applicable after 3 years from the date of implementation of this notification.]

(D): Applicable Emission Norms.

[The applicable emission norms shall be as per the following table, namely:—

Table

<i>Sl. No.</i>	<i>Category of Engines</i>	<i>Applicable Emission Norms</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>
1.	O.E. CNG or Bio-CNG or LNG Category M and Category N vehicles with GVW equal to or less than	Prevailing and applicable ga

	3,500 kg, three wheelers and two wheelers	
2.	CNG or Bio-CNG or LNG Category M and category N vehicles with GVW equal to or less than 3,500 kg, three and two wheelers retro fitment from gasoline vehicles	Prevailing and applicable ga
3.	CNG or Bio-CNG or LNG(dedicated / dual fuel) category M and Category N vehicles with GVW equal to or less than 3,500 kg, three and two wheelers retro fitment from diesel vehicles	Prevailing and applical norms
4.	CNG or Bio-CNG or LNG(OE/retrofitted ;dedicated/ dual fuel) engines Category M and Category N vehicles with GVW greater than 3,500 kg manufactured up to 1st April 2010	Prevailing and applicable die norms based on 13-mode ste engine dynamometer test or Engine Steady State Cycle a
5.	CNG or Bio-CNG or LNG engines (OE/retrofitted ;dedicated/ dual fuel) for Category M and Category N vehicles with GVW greater than 3,500 kg manufactured on the from 1 st April 2010	Prevailing and applicable die emission norms.]

(E): CNG/ Bio-CNG/LNG.

CNG/ Bio-CNG/LNG vehicles / kit components including installation shall comply the Safety Checks as given in Annexure IX.]

(F): Safety and Procedural Requirements for Type Approval of CNG and LPC Operated Vehicles.

Testing agencies shall issue every Type Approval certificate containing the "Safety and Procedural Requirements for Type Approval of CNG and LPC Operated Vehicles" for CNG vehicles and conversion kits, as mentioned in Annexure X.

Note:—

1. For the purpose of these rules, "O.E. fitment" means the vehicles which are manufactured for CNG operation by the vehicle manufacturer prior to their first registration.
2. "Conversion of In-use Gasoline Vehicle" means a vehicle already registered as a gasoline vehicle and is subsequently converted for operation on CNG by fitting the conversion kit and carrying out the other necessary changes.
3. "O.E. CNG Dedicated Vehicles "means the vehicles which are manufactured for CNG operation by the vehicle manufacturer prior to their first registration.
4. "Converted diesel vehicle "means a vehicle already registered as a diesel vehicle and is subsequently converted for operation on CNG by modifying the diesel engine fitted on that vehicle by fitting the conversion kit and carrying out the other necessary changes.
5. "Retrofitment" (or replacement) of diesel vehicle means a vehicle already registered as a diesel vehicle and is subsequently converted for operation on CNG fitting a new engine adapted to operate on CNG.
6. The AIS or IS specifications may be amended from time to time.
7. In case of conversion kits on in-use gasoline vehicles or converted diesel vehicles, the validity of the type approval certificate issued by the testing agencies shall cover vehicles manufactured between the year of manufacture of the vehicle, on which such kit has been tested and date of the validity of the applicable norms prescribed for such category of vehicles as per clause (a) of Item (II) of part A of rule 115-B. Testing agencies shall be required to indicate specifically the model and their variants for diesel vehicles and capacity range of gasoline vehicles on which the certificate shall be valid for conversion.
8. [\[O.E. Diesel and DualFuel CNG or Bio-CNG or LNG Vehicle means vehicles which are manufactured for diesel and dual fuel CNG or Bio-CNG or LNG operation by vehicle manufacturer prior to their first registration.\]](#)
9. [Converted diesel vehicle to CNG or Bio-CNG or LNG dual fuel vehicle or dedicated LNG Vehicle means a vehicle already registered as diesel vehicle and is subsequently](#)

converted for CNG or Bio-CNG or LNG dual fuel or dedicated LNG by adding the CNG or Bio-CNG or LNG kit and other necessary changes.

10. Dual fuel engine operation shall mean a two – fuel system having diesel as a primary combustion fuel and CNG or Bio CNG or LNG as supplementary fuel. Such dual fuel engine may operate on diesel stand-alone mode in absence of gaseous fuel.

11. Dedicated Dual fuel engine operation shall mean a two – fuel system having diesel as a primary combustion fuel and CNG or Bio CNG or LNG as supplementary fuel and such dedicated dual fuel engine shall not operate on diesel stand-alone mode in absence of gaseous fuel or operation of the engine in diesel mode only shall be restricted by reduced power output to 40 percent to cater limp home mode and in such dedicated dual fuel engine, mass emission test will be carried out in dual fuel mode only.]

(2) The mass emission standards applicable to Original Equipment CNG Dedicated Vehicles under sub-rule (1) shall be applicable to Original Equipment Manufactured vehicle having GVW>3.5T, when Liquefied Natural Gas is used as fuel.

(3) The Liquefied Natural Gas composition used for carrying out emission shall meet the fuel specification as notified by the Government of India in the Ministry of Petroleum and Natural Gas, or Bureau of Indian Standard, as the case may be, for automotive application from time to time.

Provided that till such time the Liquefied Natural Gas fuel complying to the requirements as provided in Annexure IV-LA shall be used for the purpose of type approval and conformity of production.

(4) The Original Equipment manufactured LNG dedicated vehicle or Converted LNG vehicle from in-use diesel vehicle having GVW >3.5 T or O.E. or retrofitted LNG dual fuel vehicle or engine including its kit components shall meet the safety requirements and code of practice as laid down in AIS-024 and AIS- 028(Rev. 1), as amended from time to time.

1. Mass emission standards for Compressed Natural Gas (CNG) or Bio-Compressed Natural Gas (Bio-CNG) or Liquefied Natural Gas (LNG) Driven Vehicles. : Substituted for "Mass emission standards for CNG driven vehicles" by G.S.R. 1151(E), dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

2. Mass emission standards for vehicles when operating on Compressed Natural Gas (here in after in this rule referred to as "CNG") shall be the same as are applicable for

gasoline vehicles with the exception that HC shall be replaced by Non-Methane Hydrocarbon (NMHC), where $NMHC = 0.3 \times HC$] : Inserted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]

3. [Provided that bio-compressed natural gas (bio-CNG) shall be permitted for motor vehicles as : Inserted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [Download GSR 498(E)]

4. an alternate composition of the compressed natural gas (CNG): : Inserted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [Download GSR 498(E)]

5. Provided further that the mass emission standards applicable to compressed natural gas (CNG) vehicles under these rules shall be applicable to respective vehicles when they use bio- compressed natural gas (bio-CNG): : Inserted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [Download GSR 498(E)]

6. Provided also that the bio-compressed natural gas (bio-CNG) composition meets the fuel specification for bio-compressed natural gas (bio-CNG) as per IS 16087 and meets the requirement of Siloxanes max 0.1 ppm (calculated as Si).] : Inserted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [Download GSR 498(E)]

7. In case of CNG fitments by vehicle manufacturers on new petrol vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use;] : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

8. [Vehicle models and variants having option for bi-fuel operation and fitted with limp-home Gasoline tank of capacity not exceeding two litres, three litres and five litres respectively on two-wheeler, three wheeler and four wheeler shall be exempted from mass emission tests including all tests specified under sub-rule (2), Notes 6 and 7 mentioned below clause (c) of sub-rule (14) and Notes 6,7,15 and 16 of sub-clause (i) of clause (b) of sub-rule (15) of rule 115 in Gasoline mode; : Substituted by G.S.R 84(E), dated 09-02-2009 (w.e.f. 09-02-2009). [Download GSR 84(E)]

9. : Substituted by G.S.R 84(E), dated 09-02-2009 (w.e.f. 09-02-2009). [Download GSR 84(E)]

10. : Substituted by G.S.R 84(E), dated 09-02-2009 (w.e.f. 09-02-2009). [Download GSR 84(E)]

11. : Substituted by G.S.R 84(E), dated 09-02-2009 (w.e.f. 09-02-2009). [Download GSR 84(E)]

12. Prevalent conformity of production procedure shall also be applicable.] : Substituted by G.S.R 84(E), dated 09-02-2009 (w.e.f. 09-02-2009). [Download GSR 84(E)]
13. [For the vehicles manufactured on or after the 1st April, 2000, and up to the 30th September, 2010, the type approval norms as specified in the Bharat Stage-II norms:] : Substituted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [Download GSR 498(E)]
14. [For the vehicles manufactured on and after the 1st day of April, 2005, the type approval norms as applicable subject to minimum of Bharat Stage III emission norms as applicable subject to minimum of Bharat Stage III emission norms in case of four-wheelers and Bharat Stage II emission norms for two and three-wheelers:] : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
15. [For the vehicles manufactured on and after 1st day of April 2010, the type approval norms as applicable, subject to minimum of Bharat Stage-IV emission norms for category M and Category N Vehicles with Gross Vehicle Weight not exceeding 3500 kg and Bharat Stage-III emission norms for two and three wheelers.] : Substituted by G.S.R 84(E), dated 09-02-2009 (w.e.f. 09-02-2009). [Download GSR 84(E)]
16. for the vehicles manufactured on and after the 1st day of April 2016, the type approval norms as applicable, subject to minimum of Bharat Stage-IV emission norms for two and three wheeler. : Inserted by G.S.R 625(E), dated 11-08-2022 (w.e.f. 11-08-2022). [Download GSR 625(E)]
17. [x x x x] : Item A, "Clause III" omitted by GSR 111(E) dtd. 10/02/2004 (w.e.f. 10/02/2004). [Download GSR 111(E)]
18. For in-use BS VI gasoline vehicle of categories L, M&N with GVW less than 3.5T. : Clause (III) inserted by G.S.R 625(E), dated 11-08-2022 (w.e.f. 11-08-2022). [Download GSR 625(E)]
19. Type approvals for vehicles retrofitted with Compressed Natural Gas (CNG) kits shall be valid for three years from the date of issue of such approval and shall be renewed for every three years at a time. : Substituted by G.S.R. 407(E), dated 15-07-2024 (w.e.f. 15-07-2024) & this substitution (validity changed to six years) omitted by corrigendum GSR 451(E) dtd. 26/07/2024. [Download GSR 407(E)] [Download GSR 451(E)]
20. In case of CNG fitments by vehicle manufacturers on new diesel vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use:] : Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

21. The in-use vehicles when converted to operate on CNG shall meet the type Approval norms of diesel vehicles corresponding to the year of their manufacture subject to the following minimum norms:— : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
22. : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
23. : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
24. : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
25. : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
26. : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
27. for the vehicles manufactured upto the 31st day of March, 2000, the type approval norms equivalent to India-2000 (India Stage I) norms as applicable under these rules;] : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
28. [for the vehicles manufactured on and after the 1st day of April, 2000, the type approval norms as specified in the Bharat Stage II norms, till the validity of such Bharat Stage II norms;] : Substituted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [Download GSR 498(E)]
29. : Substituted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [Download GSR 498(E)]
30. : Substituted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [Download GSR 498(E)]
31. : Substituted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [Download GSR 498(E)]
32. For the vehicles manufactured on and after the 1st day of April, 2005, the type approval norms as applicable subject to minimum of Bharat Stage III emission norms in case off our- wheelers and Bharat Stage II emission norms for two and three-wheelers till the validity of these norms;] : Substituted by GSR 498(E), dt. 16/06/2015 (w.e.f. 16/06/2015). [Download GSR 498(E)]
33. [for the vehicle manufactured on and after 1st April 2010, the type approval norms as

applicable, shall be subject to minimum of Bharat Stage-IV emission norms in case of four wheelers and Bharat Stage-III emission norms in case of two and three wheelers till the validity of these norms;] : Substituted by G.S.R 84(E), dated 09-02-2009 (w.e.f. 09-02-2009). [Download GSR 84(E)]

34. [x x x x] : Item B, "Clause III" omitted by GSR 111(E) dtd. 10/02/2004 (w.e.f. 10/02/2004). [Download GSR 111(E)]

35. For conversion by modification of engines of in-use diesel vehicle of categories L, M & N with GVW less than 3.5T. : Clause (III) inserted by G.S.R 625(E), dated 11-08-2022 (w.e.f. 11-08-2022). [Download GSR 625(E)]

36. [O.E. or Converted, Dual Fuel or Dedicated Dual Fuel (for vehicles GVW above 3.5 T), Diesel with CNG or Bio-CNG or LNG. : Clause (BA) substituted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

37. Type approval for CNG or Bio-CNG or LNG dual fuel conversion by modification of engines of in- use diesel vehicles shall be given for specific make and model of vehicle and shall meet applicable type approval norms of diesel vehicles corresponding to the year of manufacture of such diesel vehicle(s); : Substituted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

38. : Substituted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

39. CNG or Bio-CNG or LNG dual fuel kit approved on the vehicle for specific engine capacity can be installed on the base model and its variant fitted with the same capacity engine; vehicles offered for type approval to the testing agency referred to in rule 126 of the Central Motor Vehicles Rules, 1989 shall have to comply with the fitness requirement, as applicable under these rules; prevailing and applicable tests for particulate matter and emission of visible pollutants (smoke) provided under rule 115 shall be applicable for dual fuel CNG or Bio-CNG or LNG engine or vehicle; separate type approval is required for mechanically controlled and electronically controlled diesel fuel injected vehicles when modified for dual fuel CNG or Bio-CNG or LNG operation; mass emission standards for CNG or Bio CNG or LNG dual fuel engines or vehicles shall be same as are applicable for diesel engines/vehicles with exception that HC shall be replaced by NMHC (Non-Methane Hydrocarbon) on measurement basis. : Substituted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

40. Explanation : In the case of OE or conversion of "In-Use" vehicles by modification. —

(a) for the purpose of granting type approval to the vehicle fitted with dual fuel CNG or Bio-CNG or LNG engine (converted from diesel engine) as O.E., or conversion by modification of "In-use" diesel vehicles, performance tests shall be carried as per Table given below by the test agencies, namely:—

TABLE	Sl. No.	Test	Reference Document
(1)	(2)	(3)	1. Mass emission tests for dual fuel CNG/Bio-CNG/LNG vehicles shall be as per prevailing norms, as applicable for diesel vehicles MoRTH/CMVR/TAP-115/116 and notifications issued by Government of India in this respect
			2. Engine performance test MoRTH/CMVR/TAP-115/116 or IS:14599-1999(as applicable) and notifications issued by the Central Government in this respect
			3. Gradeability test In accordance with notification issued under rule 124 of Central Motor Vehicles Rules, 1989
			4. Fuel consumption test SL No 31 of Notification No S.O. 1365 (E) dated 13th December, 2004
			5. Electromagnetic Compatibility(EMC)/EMI test In accordance with notification issued under rule 124 of Central Motor Vehicles Rules, 1989
			6. Range test of at least 250 kilometers for buses on dual fuel mode only AIS:55
			7. Cooling performance IS: 14557:1998

Note:— : Substituted by G.S.R. 1151(E), dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

41. Mass emission tests shall be carried out either on engine dynamometer or chassis dynamometer, as applicable; test procedure and safety guidelines and code of practice for dual fuel CNG or Bio-CNG or LNG vehicles, kit components including installation thereof, shall be as per AIS-024 and AIS-028(Rev.1), as amended from time to time, till such time as corresponding BIS specifications are notified; for O.E. fitment and retro fitment or modification on "In-Use" vehicles the responsibility of type approval shall be that of vehicle manufacturer and kit manufacturer or supplier respectively; the type approval certificate of CNG or Bio-CNG or LNG dual fuel kit for retro fitment shall be valid for three years from date of issue and shall be renewable for three years at a time; : Substituted by G.S.R. 1151(E), dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

42. : Substituted by G.S.R. 1151(E), dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

43. the retro fitment of duly type approved CNG or Bio-CNG or LNG dual fuel kits on in-use vehicles shall be carried out by workshops authorized by the kit manufacturer or supplier or vehicle manufacturers, as the case may be.] : Substituted by G.S.R. 1151(E), dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

44. [Mass emission standards for LNG driven vehicles. : Clause (BB) substituted by

G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). Download GSR 1151(E)]

45. [O.E. or Converted, Dual Fuel or Dedicated Dual Fuel (for vehicles GVW below 3.5 T), Vehicles having Diesel with Compressed Natural Gas (CNG) or Bio-Compressed Natural Gas (Bio-CNG) or Liquefied Natural Gas (LNG) as dual fuel. : Clause (BC) inserted by G.S.R 37(E), dated 17-01-2020 (w.e.f. 17-01-2020). [Download GSR 37(E)]

46. [For Type Approval of in-use vehicle diesel engine replaced by new Compressed Natural Gas engine, it shall meet prevailing emission norms as applicable to the category of vehicle in respect of its place of use subject to tests mentioned in the Table given below. : Clause (C) substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

47. [For type approval of in-use vehicle having diesel engine replaced by new dual fuel CNG or Bio- CNG or LNG Engine, it shall meet prevailing emission norms as applicable to the Category of vehicles in respect of its place of use subject to tests mentioned in the Table given below, namely:— : Clause (CA) inserted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

48.]Replacement of In-use BS VI Diesel engine by new CNG engine for vehicle categories L, M & N with GVW less than 3.5T. : Clause (CB) inserted by G.S.R 625(E), dated 11-08-2022 (w.e.f. 11-08-2022). [Download GSR 625(E)]

49. [The applicable emission norms shall be as per the following table, namely:— : Clause (D) substituted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

50. [: Inserted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

51. O.E. Diesel and DualFuel CNG or Bio-CNG or LNG Vehicle means vehicles which are manufactured for diesel and dual fuel CNG or Bio-CNG or LNG operation by vehicle manufacturer prior to their first registration. : Inserted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

52. : Inserted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

53. Converted diesel vehicle to CNG or Bio-CNG or LNG dual fuel vehicle or dedicated LNG Vehicle means a vehicle already registered as diesel vehicle and is subsequently converted for CNG or Bio-CNG or LNG dual fuel or dedicated LNG by adding the CNG or Bio-CNG or LNG kit and other necessary changes. Dual fuel engine operation shall mean a two – fuel system having diesel as a primary combustion fuel and CNG or Bio

CNG or LNG as supplementary fuel. Such dual fuel engine may operate on diesel stand-alone mode in absence of gaseous fuel. : Inserted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

54. : Inserted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

55. Dedicated Dual fuel engine operation shall mean a two – fuel system having diesel as a primary combustion fuel and CNG or Bio CNG or LNG as supplementary fuel and such dedicated dual fuel engine shall not operate on diesel stand-alone mode in absence of gaseous fuel or operation of the engine in diesel mode only shall be restricted by reduced power output to 40 percent to cater limp home mode and in such dedicated dual fuel engine, mass emission test will be carried out in dual fuel mode only.] : Inserted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

56. The mass emission standards applicable to Original Equipment CNG Dedicated Vehicles under sub-rule (1) shall be applicable to Original Equipment Manufactured vehicle having GVW>3.5T, when Liquefied Natural Gas is used as fuel. : Substituted by G.S.R. 643(E),dated 26-07-2017 (w.e.f. 26-07-2017). [Download GSR 643(E)]

57. (3) The Liquefied Natural Gas composition used for carrying out emission shall meet the fuel specification as notified by the Government of India in the Ministry of Petroleum and Natural Gas, or Bureau of Indian Standard, as the case may be , for automotive application from time to time. : Substituted by G.S.R. 643(E),dated 26-07-2017 (w.e.f. 26-07-2017). [Download GSR 643(E)]

58. Provided that till such time the Liquefied Natural Gas fuel complying to the requirements as provided in Annexure IV-LA shall be used for the purpose of type approval and conformity of production. : Substituted by G.S.R. 643(E),dated 26-07-2017 (w.e.f. 26-07-2017). [Download GSR 643(E)]

59. The Original Equipment manufactured LNG dedicated vehicle or Converted LNG vehicle from in-use diesel vehicle having GVW ≥ 3.5 T or O.E. or retrofitted LNG dual fuel vehicle or engine including its kit components shall meet the safety requirements and code of practice as laid down in AIS-024 and AIS- 028(Rev. 1), as amended from time to time. : Inserted by G.S.R. 1151(E),dated 29-11-2018 (w.e.f. 29-11-2018). [Download GSR 1151(E)]

Rule 115-C ~ Mass emission standards for Liquefied Petroleum Gas driven vehicles.

(1) Mass emission standards for vehicles when operating on Liquefied Petroleum Gas (here in after in this rule referred to as "LPG") shall be same as are applicable for gasoline vehicles with the exception that HC shall be replaced by Reactive Hydrocarbon (RHC), where $RHC=0.5 \times HC$

(2) For gasoline vehicles with Original Equipment (here in after in this rule referred to as O.E.) Fitment.

- a. In case of LPG fitments done by vehicle manufacturers on new gasoline vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use.
- b. Base model and variants of such vehicle shall conform to these rules as applicable and type approval emission norms in petrol mode as specified in these Rules. In the case of LPG model, it shall meet mass emission norms as specified in rule 115 only excluding crank case and evaporative emission norms;
- c. a vehicle models and variants having option for bi-fuel operation and fitted with limp-home Gasoline tank of capacity not exceeding two litres, three litres and five litres respectively on two-wheelers, three-wheelers and four-wheeler shall be exempted from mass emission tests including all tests specified under sub-rule (2), Notes 6 and 7 mentioned below clause (c) of sub-rule (15) of rule 115 in Gasoline mode;
- d. Prevalent conformity of production procedure shall also be applicable.]

(3) For in-use gasoline vehicles.

(a) On and after expiry of one year from the date of publication of the Central Motor Vehicles (Fifth Amendment) Rules, 2005 in the Official Gazette, the in-use vehicles fitted with LPG kits shall meet the type approval emission norms specifies in these rules for gasoline vehicles as applicable to the corresponding year of manufacture of such vehicle, subject to the following minimum norms:

- i. for the vehicles manufactured upto the 31st day of March, 2000, the type approval norms equivalent to India-2000 (India Stage I) norms as applicable under these rules;
- ii. for the vehicles manufactured after the 1st day of April, 2000, the type approval norms as specified in the Bharat Stage II norms till the validity o such Bharat Stage II norms;

- iii. for the vehicles manufactured after the 1st day of April, 2005, the type approval norms as applicable subject to minimum of Bharat Stage III emission norms in case off our-wheelers and Bharat Stage II emission norms for two and three-wheelers:

Provided that in respect of vehicle model/conversion kits/engine replacements type approved and certified under rule 115-C prior to commencement of these rules (as per notification number G.S.R. 284(E), dated the 24th April, 2001), such certificates shall cease to be valid after one year from the date of publication of the Central Motor Vehicles (Fifth Amendment) Rules, 2005, in the Official Gazette notwithstanding the period of validity specified in such certificates. Such certificates need to be revalidated by testing agencies in terms of these rules:

Provided further that respective kit manufacturer /retrofitter / converter shall be free to obtain from testing agencies type approval in terms of new rules even prior to commencement of these rules;]

- iv. [for the vehicles manufactured on and after the 1st day of April 2010, the type approval norms as applicable, subject to minimum of Bharat Stage-IV emission norms for Category M and Category N vehicles with Gross Vehicle Weight not exceeding 3500 kg and Bharat Stage-III emission norms for two and three wheelers.](#)
- v. [For the vehicles manufactured on and after the 1st day of April 2016, the type approval norms as applicable subject to minimum of Bharat Stage-IV emission norms for two and three wheeler.](#)

(b) for purposes of LPG kit approval, kit manufacturer or supplier shall obtain the Certificate from any of the test agencies authorised under rule 126 based on capacity of vehicle, in the following manner, namely:—

- i. LPG kit for the vehicles shall be type approved for vehicles irrespective of make and model based on engine capacity in cubic cm. Such a kit shall be considered fit for retrofitment in any vehicle having engine capacity within a range of +-25% tolerance ;
- ii. [separate type approval shall be necessary for the following types of vehicles –](#)
 - a. [Two stroke](#)
 - b. [Four stroke](#)

- c. Carbureted
- d. Single point fuel injected; and
- e. Multi point fuel injected.]

(4)

(a) For the purpose of granting type approval to LPG kit the following performance tests shall be carried out by the test agencies:—

- i. Massemissiontests.
- ii. Engineperformancetests.
- iii. Constant speed fuel consumption test;

(b) The tests specified under sub-clause (ii) of clause (a) shall be carried out either on engine dynamometer or chassis dynamometer as applicable under these rules. However in case of vehicle above 100 HP the tests shall be only on engine dynamometer;

(c) The safety checks for such kit components including installation shall be as per the norms and standards given in the Annexure VIII, apart from detailed test procedure or safety guide lines contained in AIS 025 DI, as approved by the Central Government from time to time;

(d) For OE fitment and retrofitment on "in-use" vehicles, the responsibility of Type Approval shall be that of the vehicle manufacturer and kit manufacturer or supplier, respectively;

(e) The Type Approval of LPG kit for retrofitment shall be valid for three years from the Date of issue of such approval and shall be renewable for three years at a time;

(f) The retrofitment of LPG kits on in-use vehicles, shall be carried out by workshops authorised by the kit manufacturer/kit supplier or vehicle manufacturers, as the case may be;

(g) The test agency shall complete the test and give necessary certificate within a period of three months from the date of receiving the kits;

(h) The kit supplier/manufacturer shall provide a layout plan for retrofitment of LPG kit in the respective models on which any approved kit is to be installed, to the test agency for vetting and approval. The retrofitment of the kit shall be on the basis of such approved layout plan only.

(5) For in-use BS VI gasoline vehicle of categories L, M and N with Gross Vehicle Weight (GVW) less than 3.5T.

(a) For the purpose of granting type approval to the vehicle fitted with a LPG kit, performance tests shall be carried out as per the table below:-

TABLE

Sl. No.	Applicable test	Reference docum
1.	Mass emission test (Type I test)	1.CMV Rule 115 (18)(i),115 (1
2.	On-Board diagnosis	or 115 (22) as applicable Mc TAP115/116 Part XIV Chapter 3
3.	In-service conformity and IUPR	2.AIS-137
4.	CO2 emission	CO2 to be measured and report
5.	Gradeability test	AIS 003
6.	EMC test (Vehicle level or assembly level)	AIS 004 (part 3)
7.	Offset Frontal Collision Note: only if there increase in the unladen kerb mass w.r.t approved model/variant having highest GVW, by more than 8%	AIS-098

(b) Vehicles shall meet all the safety requirements as per AIS 025, AIS-026 & AIS 027 as applicable.

(c) Type approvals for vehicles retrofitted with Liquefied Petroleum Gas (LPG) kits shall be valid for six years from the date of issue of such approval and shall be renewed for every six

years at a time.

(d) Type approval for vehicles retrofitted or modified for Liquefied Petroleum Gas (LPG) operation shall be given for vehicles of specific make and such kit shall be considered fit for retrofitment in any vehicle within a specified range of engine capacity with the applicability of tests as mentioned below:-

SL No.	Engine Capacity	Test applicable as per table under sub rule (5) clause(a)
1	Less than 1200 cc	Mass emission and CO2 emission
2	1201 to 1600 cc	Mass emission and CO2 emission
3	1601 to 2000 cc	Mass emission and CO2 emission
4	2001 to 2500 cc	Mass emission and CO2 emission
5	2501 and above	Mass emission and CO2 emission

(e) Real world driving cycle emission measurement using PEMS shall be carried out for data collection for three years from the date of notification for the computation of Conformity factor (CF).

(f) The engine power shall be measured on engine dynamometer as per procedures prescribed in AIS 137 as amended time to time. Measured power with LPG shall be within a range of $-15\% \leq \text{Power on LPG} \leq +5\%$ w.r.t. the power measured on gasoline. The power test can be performed, on request of the manufacturer, on the complete vehicle on a chassis dynamometer. The engine power shall be calculated as the sum of the power measured at wheels and the transmission losses of the vehicle.

(g) LPG vehicles or kit components, including their installation, shall conform to the safety checks given in the Annexure VIII.

(h) In-service conformity and IUPR requirements to be applicable after 3 years from the date of implementation of this notification.

(i) The kit manufacturers or suppliers shall provide a layout plan for retrofitment of LPG kit in the respective models on which any approved kit is to be installed, to the test agency for vetting and approval. The retrofitment of kit shall be on the basis of such type approved layout plan only. Testing agencies will be required to indicate specifically the models and their variants on which certificate will be valid.

(j) For the purpose of granting revalidation for the existing approval, performance tests shall be carried out as per the table below, along with tests as applicable in clause (d): -

SL No.	Applicable Test	Reference Document
1	Mass emission test (Type I test)	1.CMV Rule 115 (18)(i),115 (19),115 (20) or 115 (22) as applicable MoRTH/CMVR/TAP115/116 Part XIV Chapter 14 Annexure 3 2.AIS-137
2	On-Board diagnosis	
3	In-service conformity and IUPR (In-use performance ratio)	
4	CO2 emission	CO2 to be measured and reported

(6) For Diesel Vehicles with Original Equipment fitment.

- i. In case of LPG fitments by vehicles manufacturers on new diesel vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use;]

- ii. O.E. fitment LPG engine approved for specific appropriate engine capacity can be installed on the vehicle base model and its variants complying with the other requirements under these rules as applicable;
- iii. Tests for particulate matter and emission of visible pollutants (smoke) under these rules shall not be applicable; and
- iv. Prevailing COP procedures shall also be applicable;
- v. In case of limits for Hydrocarbons, the mass emission standards formula as specified in sub- rule (1) shall be applicable.

Explanation : In the case of O.E. fitment vehicles:—

- a. For the purpose of granting Type Approval to the vehicle manufactured by O.E., in addition to the tests as specified in Central Motor Vehicles Rules,1989, following performance tests shall be carried out, as per the Table given below by the test agency, namely:—

TABLE

<i>Sl. No.</i>	<i>Test</i>	<i>Reference Document (as amended from time</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>
1.	Mass emission tests	MOST/CMVR/TAP-115/116 and notification by the Government of India in this respect
2.	Engine performance tests	IS:14599-1999
3.	Gradeability test	In accordance with notification issued under rule Central Motor Vehicles Rules,1989
12 a [4.	Fuel Consumption test	S1. No 31 of the notification number S 1365(E), dated the 13th December, 2004]

5.	Electro-Magnetic Interference (EMI)	In accordance with notification issued under rule Central Motor Vehicles Rules, 1989
6.	Range test of at least 250 Km for buses. For other vehicle categories range test to be carried out and test results to be reported.	AIS 055
7.	Cooling performance	IS:14557-1998

Note:—

- a. The mass emission tests shall be carried out either on engine dynamometer or chassis dynamometer, as applicable;
- b. Test procedure and safety guidelines for LPG vehicles, kit components including Installation thereof, shall be as per AIS 025, AIS 026, AIS 027 as amended from time to time, till such time as corresponding BIS specifications are notified and shall be as given in Annexure –VIII in addition to the detailed procedure of Safety Checks contained in AIS 025, AIS026, AIS027;
- c. For O.E. fitment manufactured vehicles, the responsibility of Type Approval shall be that of the vehicle manufacturer;
- d. The test agency shall complete the test and give necessary certificate within a period of three months from the date of receiving the kits.

(7) Replacement of In-use Diesel Engine by new LPG Engine.

For type approval of in-use vehicle having diesel engine replaced by new Liquefied Petroleum Gas engine it shall meet the prevailing emission norms as applicable to the category of vehicles in respect of its place of use subject to the tests mentioned in the Table given below]:

==

TABLE

<i>Sl. No.</i>	<i>Test</i>	<i>Reference Document (as amended from</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>
1.	Mass emission tests	MCST/CMVR/TAP-115/116 and notification of Government of India in this respect
2.	Engine performance tests	IS:14599-1999
3.	Gradeability test	In accordance with notification issued under rule 124 of Central Motor Vehicles Rules, 1989
4.	Fuel Consumption test	S1. No.31 of the notification number S.O. 1363 of the 13th December, 2004
5.	Electro-Magnetic Interference (EMI)	In accordance with notification issued under rule 124 of Central Motor Vehicles Rules, 1989
6.	Range test of at least 250 km for buses. For other vehicle categories, range test to be carried out and test results to be reported.	AIS 055
7.	Cooling performance	IS:14557-1998

Explanation :

- a. In case of in-use vehicles offered for Type Approval to the test agency Referred to in rule 126, it shall have to comply with fitness requirement, as applicable under these rules and the said test agency may, if it thinks so, verify the same;

- b. In case of non-transport vehicles offered for retrofitment as per the tests mentioned in the Table, it shall be the responsibility of the retrofitter to make necessary inspection/checks regarding fitness of the such vehicles as applicable under these rules: In the case of retrofitment of in-use transport vehicles offered for the tests mentioned in the Table, the certificate of fitness granted under section 56 of the Act, shall be essential before the vehicle is accepted for retrofitment/conversion;
- c. Test procedure and safety guidelines for such LPG vehicles, kit components including installation there of shall be as per AIS 025, as amended from time to time, till such time as corresponding BIS specifications are notified and shall be as given in Annexure VIII in addition to the detailed procedure or Safety checks contained in AIS 025;
- d. The test agency shall complete the test and give necessary certificate within a period Of three months from the date of the vehicle being submitted for tests; and
- e. The test agency shall be required to indicate specifically, the models and their variants on which the replacement of new engine shall be valid.

(7A) Replacement of In-use BS VI Diesel engine by new LPG engine for vehicle categories L, M & N with GVW less than 3.5T.

(a) For type approval of in-use BS VI vehicle having diesel engine replaced by new LPG engine, it shall meet BS VI emission norms as applicable to the category of vehicle in respect of its place of use, subject to tests mentioned in the table given below:-

TABLE

Sl. No.	Applicable test	Reference document
1.	Mass emission test (Type I test)	1. CMV Rule 115 (18)(i), 115 (20) or 115 (22) as applicable
2.	On-Board diagnosis	MoRTH/CMVR/ TAP115/116 1 Chapter 14 Annexure 3
3.	In-service conformity and IUPR	2. AIS-137
4.	CO2 emission	CO2 to be measured and reported

5.	Gradeability test	AIS 003
6.	EMC test (Vehicle level or assembly level)	AIS 004 (part 3)
7.	Offset Frontal Collision Note: only if there is increase in the kerb mass w.r.t approved model/variant having highest GVW, by more than 8%	AIS-098

(b) Vehicles shall meet all the safety requirements as per AIS 024, AIS-028 Revision 1 as applicable.

(c) Type approvals for vehicles retrofitted with LPG kits shall be valid for three years from the date of issue of such approval and shall be renewed for every three years at a time.

(d) LPG kit shall be type approved for vehicles of specific make. Such kit shall be considered fit for retrofitment in any vehicle within a specified range of engine capacity of cc within a range of $\pm 7\%$ for vehicles up to 1500 cc & $\pm 5\%$ above 1500 cc.

(e) Real world driving cycle emission measurement using PEMS shall be carried out for data collection for three years from the date of notification for the computation of Conformity factor (CF).

(f) The engine power shall be measured on engine dynamometer as per procedures prescribed in AIS 137 as amended time to time. Measured power with LPG shall be within a range of $-15\% \leq \text{Power on LPG} \leq +5\%$ w.r.t. the power measured on diesel. The power test can be performed, on request of the manufacturer, on the complete vehicle on a chassis dynamometer. The engine power shall be calculated as the sum of the power measured at wheels and the transmission losses of the vehicle.

(g) LPG vehicles or kit components, including their installation, shall conform to the safety checks given in the Annexure VIII.

(h) In-service conformity and IUPR requirements to be applicable after 3 years from the date of implementation of this notification.

(8) Applicable emission norms.

The emission norms as mentioned in column (3) of the Table below excluding particulate matter shall be applicable to the corresponding categories of engines as mentioned against them in column (2) of the said Table.

TABLE

<i>Sl. No.</i>	<i>Category of Engines</i>	<i>Applicable Emission</i>
<i>-1</i>	<i>-2</i>	<i>-3</i>
(i)	OE LPG Category M and Category N Vehicles with GVW equal to or less than 3,500 kg, three wheelers and two wheelers	Prevailing gasoline norms
(ii)	LPG Category M and Category N Vehicle with GVW equal to or less than 3,500 kg, three and two wheelers retro fitment from gasoline vehicles.	Prevailing gasoline norms
(iii)	LPG Category M and Category N vehicles with GVW equal to or less than 3,500 kg, three and two wheelers retro fitment from diesel vehicles.	Prevailing diesel norms
(iv)	LPG engines Category M and Category N vehicles with GVW greater than 3,500 kg manufactured up to 1st April 2010	Prevailing diesel engine norms 13-mode steady state engine test or 13-mode Engine Steady Cycle as applicable
(v)	LPG engines for Category M and Category N vehicles with GVW greater than 3,500 kg manufactured on and from 1st April 2010	Prevailing diesel engine emission norms.]

(9) LPG vehicle/kits components including installation shall comply with the Safety Checks as given in Annexure VIII.

(10) The test agency shall, in addition to the Type Approval Certificate, issue Safety and Procedural Requirements for Type Approval Certificate containing the Safety and Procedural Requirements for Type Approval of CNG and LPG Operated Vehicles, for LPG vehicles and conversion kits, as mentioned in Annexure X.

Note:—For the purposes of these rules,—

1. "OE fitment" means the vehicle engines which are manufactured for LPG operation by the vehicle manufacturer prior to their first registration;
2. "Conversion of In-use gasoline vehicle" means a vehicle already registered as a gasoline vehicle and subsequently converted for operation on LPG by fitting the conversion kit and carrying out the other necessary changes;
3. "O.E. fitment LPG dedicated vehicle "means a vehicle which is manufactured for LPG operation by the vehicle manufacturer prior to their first registration;
4. "Type approval of In-use vehicle having diesel engine replaced by new LPG engine" means a vehicle already registered as a diesel vehicle and is subsequently converted for operation on LPG by fitting a new engine adapted for operation on LPG;
5. The AIS or IS specifications may be as amended and notified from time to time.]
6. In case of conversion kits on in-use gasoline vehicles or replacement of in-use diesel engines by new LPG engines, the validity of the type approval certificates issued by the testing agencies shall cover vehicles manufactured between the year of manufacture of the vehicle, on which such kit had been tested and the date of validity of the norms prescribed for such category of vehicles as per clause (a) of sub-rule (3) of rule 115-C. Testing agencies shall be required to indicate specifically, the model and their variants for diesel vehicles and capacity range of gasoline vehicles on which the certificate shall be valid for conversion.]

1. Mass emission standards for vehicles when operating on Liquefied Petroleum Gas (here in after in this rule referred to as "LPG") shall be same as are applicable for

gasoline vehicles with the exception that HC shall be replaced by Reactive Hydrocarbon (RHC), where $RHC=0.5 \times HC$] : Inserted by GSR 111(E), dt. 10/02/2004 (w.e.f. 10/08/2004). [Download GSR 111(E)]

2. In case of LPG fitments done by vehicle manufacturers on new gasoline vehicles, each model manufactured by vehicle manufacturers shall be type approved as per the prevailing mass emission norms as applicable for the category of new vehicles in respect of the place of its use. : Substituted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

3. : Substituted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

4. Base model and variants of such vehicle shall conform to these rules as applicable and type approval emission norms in petrol mode as specified in these Rules. In the case of LPG model, it shall meet mass emission norms as specified in rule 115 only excluding crank case and evaporative emission norms; a vehicle models and variants having option for bi-fuel operation and fitted with limp-home Gasoline tank of capacity not exceeding two litres, three litres and five litres respectively on two-wheelers, three-wheelers and four-wheeler shall be exempted from mass emission tests including all tests specified under sub-rule (2), Notes 6 and 7 mentioned below clause (c) of sub-rule (15) of rule 115 in Gasoline mode; : Substituted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

5. : Substituted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

6. Prevalent conformity of production procedure shall also be applicable.] : Substituted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

7. On and after expiry of one year from the date of publication of the Central Motor Vehicles (Fifth Amendment) Rules, 2005 in the Official Gazette, the in-use vehicles fitted with LPG kits shall meet the type approval emission norms specifies in these rules for gasoline vehicles as applicable to the corresponding year of manufacture of such vehicle, subject to the following minimum norms: : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

8. : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

9. : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

10. : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

11. for the vehicles manufactured upto the 31st day of March, 2000, the type approval norms equivalent to India-2000 (India Stage I) norms as applicable under these rules; : Substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

12. for the vehicles manufactured after the 1st day of April, 2000, the type approval norms as specified in the Bharat Stage II norms till the validity of such Bharat Stage II norms; : Substituted by G.S.R 498(E), dated 16-06-2015 (w.e.f. 16-06-2015). [Download GSR 498(E)]

13. for the vehicles manufactured on and after the 1st day of April 2010, the type approval norms as applicable, subject to minimum of Bharat Stage-IV emission norms for Category M and Category N vehicles with Gross Vehicle Weight not exceeding 3500 kg and Bharat Stage-III emission norms for two and three wheelers.] : Inserted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

14. For the vehicles manufactured on and after the 1st day of April 2016, the type approval norms as applicable subject to minimum of Bharat Stage-IV emission norms for two and three wheeler. : Inserted by G.S.R 625(E), dated 11-08-2022 (w.e.f. 11-08-2022). [Download GSR 625(E)]

15. separate type approval shall be necessary for the following types of vehicles – : Substituted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

16. : Substituted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

17. Two stroke Four stroke Carbureted Single point fuel injected; and : Substituted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

18. : Substituted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

19. Multi point fuel injected.] : Substituted by G.S.R. 84(E), dated 9-2-2009 (w.e.f. 9-2-2009). [Download GSR 84(E)]

20. For in-use BS VI gasoline vehicle of categories L, M and N with Gross Vehicle Weight (GVW) less than 3.5T. : Sub Rule (5) inserted by G.S.R 625(E), dated 11-08-2022 (w.e.f. 11-08-2022), earlier omitted by G.S.R 589(E), dated 16-09-2005. [Download GSR 625(E)]

21. Type approvals for vehicles retrofitted with Liquefied Petroleum Gas (LPG) kits shall

be valid for six years from the date of issue of such approval and shall be renewed for every six years at a time. : Clause (c) & (d) substituted by G.S.R. 407(E), dated 15-07-2024 (w.e.f. 15-07-20024). [Download GSR 407(E)]

22. For the purpose of granting revalidation for the existing approval, performance tests shall be carried out as per the table below, along with tests as applicable in clause (d): - : Clause (j) Inserted by G.S.R. 407(E), dated 15-07-2024 (w.e.f. 15-07-20024). [Download GSR 407(E)]

23. For type approval of in-use vehicle having diesel engine replaced by new Liquefied Petroleum Gas engine it shall meet the prevailing emission norms as applicable to the category of vehicles in respect of its place of use subject to the tests mentioned in the Table given below]:— : Sub Rule (7) substituted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

24. Replacement of In-use BS VI Diesel engine by new LPG engine for vehicle categories L, M & N with GVW less than 3.5T. : Sub Rule (7A) inserted by G.S.R 625(E), dated 11-08-2022 (w.e.f. 11-08-2022). [Download GSR 625(E)]

Rule 115-D ~ Retro-fitment of hybrid electric system or electric kit to Motor Vehicles.

(1) [Retro-fitment of hybrid electric system kit to motor vehicles or conversion of motor vehicles for pure electric operation with fitment of or Pure Electric System Kitspecified in column \(2\) of the Table shall confirm to the compliance Standard as specified in column \(3\) of Table given below.](#)

TABLE

<i>Sr. No.</i>	<i>Type of Retro-fitment or Conversion and Motor Vehicle Categories</i>	<i>Compliance standard</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>
1	Retro-fitment of Hybrid Electric System Kit to vehicles of categories L, M and N having Gross Vehicle Weight not exceeding 3500 kg.	Shall conform to the requirements stipulated in *AIS-123 (Part 1)

2	Retro-fitment of Hybrid Electric System Kit to vehicles of categories M and N having Gross Vehicle Weight exceeding 3500 kg	Shall conform to the requirements stipulated in *AIS-123 (Part 2)
3	Conversion of motor vehicles for pure electric operation with fitment of Pure Electric Propulsion Kit by replacing the engine of Motor Vehicles of categories L, M, N	Shall conform to the requirements stipulated in *AIS-123 (Part 3)

Note:

* AIS-123 Part 1 or 2 or 3 as amended from time to time till such time as corresponding Bureau of Indian Standard specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016) shall be used as applicable:

Provided further that manufacturer or supplier of hybrid electric system kit or pure electric system kit shall obtain the type approval certificate from a test agency specified in rule 126 as per the applicable standard referred in the above mentioned Table.

1. Retro-fitment of hybrid electric system kit to motor vehicles or conversion of motor vehicles for pure electric operation with fitment of or Pure Electric System Kits specified in column (2) of the Table shall conform to the compliance Standard as specified in column (3) of Table given below. : Rule 115D substituted by G.S.R No. 167(E) dated 01-03-2019, (w.e.f 01-03-2019). [Download GSR 167(E)]

Rule 115-E ~ Mass emission standards for flex-fuel ethanol (E85) or (E100) and ethanol (ED95) vehicles.

(1) [The new]y manufactured gasoline vehicles fitted with spark ignition engine compatible to run on gasoline or a mixture of gasoline and ethanol up to eighty-five percent ethanol blend (E85) or mixture of gasoline and ethanol upto 100% (E100), (hereinafter referred to as flex-fuel ethanol vehicle), shall be type approved as per prevailing gasoline emission norms.]

(2) The newly manufactured ethanol vehicle with Gross Vehicle Weight above 3.5 tonnes compatible to run on ethanol fuel (ED95), shall be type approved as per prevailing diesel emission norms, as applicable for that category.

(3) The compatibility of vehicle to level of ethanol blend of E85 or ED95 shall be defined by the vehicle manufactured and the same shall be displayed on vehicle by putting a clearly visible sticker.

(4) Test requirements for the type approval and extension for different classes of vehicles are specified in Table 1, Table 2 and Table 3 below, respectively:-

TABLE

Test requirements for type approval and extension For four wheeled vehicles with Gross Vehicle Weight less than or equal to 3,500 kg

<i>S. No</i>	<i>Test</i>	<i>Flex-fuel ethanol vehicle</i>
1	Gaseous pollutants (type I test)	On both gasoline and E85 fuel
2.	Idle and high idle emission (Type II test)	On both gasoline and E85 fuel
3.	Crank case emission (Type III)	Only on gasoline fuel
4.	Evaporative emissions (Type IV)	Only on gasoline fuel
5.	Durability (Type V), if opted for, instead of fixed deterioration factor	Only on gasoline fuel
6.	On-board diagnostics (OBD II)	On both gasoline and E85 fuel

TABLE 2

Test Requirements for type approval and extension For two or Three wheeled vehicles

<i>S. No</i>	<i>Test</i>	<i>Flex-fuel ethanol vehicle</i>
1.	Gaseous pollutants (Type I test)	On both gasoline and E85 fuel
2.	Idle and emission (Type II test)	On both gasoline and E85 fuel
3.	Crankcase emission (Type III)	Only on gasoline fuel
4.	Evaporative emissions (Type IV)	Only on gasoline fuel
5.	Durability (Type V), if opted for, instead of fixed deterioration factor	Only on gasoline fuel

TABLE 3

Test requirements for type approval and extension for four wheeled vehicles with Gross Vehicle Weight greater than 3,500 kg

<i>S. No</i>	<i>Test</i>	<i>Applicability</i>
1.	Gaseous pollutants	Test on ED95 fuel (as per norms Prevailing emission BSII or BIV)
2.	Free acceleration smoke	Test on ED95

3.	Durability, if opted instead of fixed for, deterioration factor	Test on ED95
4.	On-board diagnostics (OBD)	Test on ED95

Note. –

- i. Mass emission tests shall be carried out as per MoRTH/CMVR/TAP-115/116 Issue 4 and its subsequent issues or amendments, as applicable and suitable updation of the ratios of gas component densities to exhaust gas density, hydrogen-carbon-oxygen ratio and fuel consumption formula shall be done in type approval procedure.
- ii. Vehicle manufacturer shall submit the vehicle to any of the test agencies specified in rule 16, for type approval.
- iii. Flex fuel vehicles with Gross Vehicle Weight less than or equal to 3.5 tonnes shall be tested on chassis dynamometer using the prevailing gasoline vehicle emission driving cycle; and ED95 fuel vehicles with Gross Vehicle Weight greater than 3.5 tonnes shall be tested on engine dynamometer using the prevailing diesel engine emission driving cycle.
- iv. Flex fuel vehicles shall be tested with reference fuel specified in Annexure IV-J and IV-Q and pure ethanol fuel vehicle shall be tested with reference fuel specified in Annexure IV-R to these rules.
- v. For Conformity of Production test applicability, refer to MoRTH/CMVR/TAP-115/116 Issue 4 and its subsequent issues. Or amendments, as applicable; and fuel requirement for applicable tests, refer to above Table 1, Table 2 and Table 3.
- vi. The reference fuel shall be as specified in Annexure IV-J for gasoline; Annexure IV-Q for E85 vehicles and in Annexure IV-R for Ed95 vehicles.
- vii. For commercial fuel specifications for gasoline IS 2796:2008 and its subsequent amendments may be referred.

- viii. For base ethanol specifications refer IS 15464:2004 and for E85 and ED95 commercial fuel, oil marketing companies shall use suitable additives to produce and dispense such grade of fuel. Specification for commercial E85 and ED95 shall be prepared by Bureau of Indian Standards.
- ix. The Conformity of Production frequency and sampling shall be as per requirements given in MoRTH/CMVR/TAP-115/116 Issue 4 and its subsequent issues or amendments, as applicable, according to category or vehicle.
- x. Deterioration factors shall be as per prevailing emission norms, according to the vehicle categories, where durability test is applicable.
- xi. For spark ignition vehicle, where measurement of net power is specified in the case of normal gasoline vehicles, it shall be carried out on engine dynamometer as per IS: 14599-1999, with gasoline, as amended from time to time.
- xii. [The reference fuel shall be as specified in Annexure IV-J for gasoline; Annexure S \(Sic: IVS\) for E100 vehicles.](#)

1. [: Rule 115E substituted by G.S.R. 682(E), dated 12-07-2016 (w.e.f 12-07-2016).

[Download GSR 682(E)]

2. The newly manufactured gasoline vehicles fitted with spark ignition engine compatible to run on gasoline or a mixture of gasoline and ethanol up to eighty-five percent ethanol blend (E85) or mixture of gasoline and ethanol upto 100% (E100), (hereinafter referred to as flex-fuel ethanol vehicle), shall be type approved as per prevailing gasoline emission norms.] : Rule 115E substituted by G.S.R. 682(E), dated 12-07-2016 (w.e.f 12-07-2016). [Download GSR 682(E)]

3. The reference fuel shall be as specified in Annexure IV-J for gasoline; Annexure S (Sic: IVS) for E100 vehicles. : Inserted by G.S.R. 682(E), dated 12-07-2016 (w.e.f 12-07-2016). [Download GSR 682(E)]

Rule 115-F ~ Mass emission standards for bio-diesel (B100).

(1) [The newly manufactured vehicles fitted with compression ignition engine compatible to run on diesel or mixture of bio-diesel up to hundred per cent. Bio-diesel \(B100\) \(hereinafter referred to as flex-fuel bio-diesel vehicle\), shall be type approved as per prevailing diesel emission norms.](#)

(2) The compatibility of vehicle to level of bio-diesel blend or B100 shall be specified by the vehicle manufacturer and the same shall be displayed on vehicle by putting a clearly visible sticker.

(3) Test requirements for the type approval and extension for different classes of vehicles are specified in Table 1, Table 2 and Table 3 below, respectively:-

TABLE 1

Test requirements for type approval and extension for four wheeled vehicles with gross vehicle weight less than or equal to 3,500 kilograms

<i>S. No</i>	<i>Test</i>	<i>Flex-fuel bio-diesel vehicle</i>
1.	Gaseous pollutants (type I test)	On both diesel and B100 fuel
2.	Free acceleration smoke (type II Test)	On both diesel and B100 fuel
3.	Durability (Type V), if opted for instead of fixed Deterioration Factor (DF)	Only on diesel fuel
4.	On-board diagnostics (India OBD II)	On both diesel and B100 fuel

TABLE 2

Test requirements for type approval and extension for three wheeled vehicles.

<i>S. No</i>	<i>Test</i>	<i>Flex-fuel bio-diesel vehicle</i>
1.	Gaseous pollutants (Type I test)	On both diesel and B100 fuel
2.	Free acceleration smoke (Type II test)	On both diesel and B100 fuel

3.	Durability (Type V test), if opted for instead of fixed Deterioration Factor	Only on diesel fuel
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TABLE 3

Test requirements for type approval and extension for four wheeled vehicles with gross vehicle weight greater than 3,500 kg.

<i>SL. No</i>	<i>Test</i>	<i>Flex-fuel bio-diesel vehicle</i>
1.	Gaseous pollutants	On both diesel and B100 fuel
2.	Free acceleration smoke	On both diesel and B100 fuel
3.	Durability, if opted for instead of fixed DF	Only on diesel fuel
4.	On-board diagnostics (OBD)	On both diesel and B100 fuel

Diesel vehicles which are declared as compatible to run on bio diesel up to 20 per cent. Blend shall be tested only with Reference Diesel Fuel for prevailing emission norms.

Notes. –

1. Mass emission tests shall be carried out as per MoRTH/CMVR/TAP-115/116 Issue 4 and its subsequent issues or amendments, as applicable, and suitable updation of the ratio or gas components densities to exhaust gas density, hydrogen-carbon-oxygen ratio and fuel consumption formula shall be done in type approval procedure.
2. Vehicle manufacturer shall submit the vehicle to any of the test agencies specified in rule 126, for type approval.

3. Bio-diesel vehicles with Gross Vehicle Weight less than or equal to 3.5 tonne shall be tested on chassis dynamometer using the prevailing diesel vehicle emission driving cycle and the B100 fuel vehicles with Gross Vehicle Weight greater than 3.5 tonne shall be tested on engine dynamometer using the prevailing diesel engine emission driving cycle.
4. Bio-diesel vehicles shall be tested with reference fuel (as per IS 15607:2005) specified in Annexure IV-S to those rules.
5. For Conformity of Production test applicability, refer to MoRTH/CMVR/TAP-115/116 Issue 4 and its subsequent issues or amendments, as applicable; and for fuel requirement for applicable tests, refer to above Table 1, Table 2 and Table 3.
6. The Conformity of Production frequency and sampling shall be as per requirements given in MoRTH/CMVR/TAP-115/116 Issue 4 and its subsequent issues or amendments, as applicable, according to category of vehicle.
7. Deterioration factors shall be as per prevailing emission norms, according to the vehicle categories.]

1. The newly manufactured vehicles fitted with compression ignition engine compatible to run on diesel or mixture of bio-diesel up to hundred per cent. Bio-diesel (B100) (hereinafter referred to as flex-fuel bio-diesel vehicle), shall be type approved as per prevailing diesel emission norms. : Rule 115-F inserted by G.S.R. 412(E), dated 11-4-2016 (w.e.f. 11-4-2016). [Download GSR 412(E)]

Rule 115-G ~ Fuel consumption standard.

(1) Every manufacturer or importer of M1 motor vehicles which are type approved under rule 126, with at least four wheels, other than quadricycles and armoured vehicles, used for carriage of passengers and their luggage and comprising not more than nine seats including driver's seat, and of gross vehicle weight not exceeding 3,500 kilograms, manufactured or imported for sale in India, shall on and from the 1st day of April, 2017, comply with the Average Fuel consumption Standard, notified under the Energy Conservation Act, 2001 vide notification of the Government of India in the Ministry of Power number 1072 (E), dated the 23rd April, 2015 as amended from time to time.

(2) The procedure for ensuring compliance under sub-rule (1) shall be as laid down in Document No. MoRTH/CMVR/ TAP-115/116, [AIS 137](#) as amended from time to time.

(3) The procedure specified under sub-rule (2) shall be evaluated annually by [an agency designated under rule 126](#) International Centre for Automotive Technology (ICAT), Manesar.

(4) [Every manufacturer or importer of M2, M3 and N2 vehicle category, except Tippers and armoured vehicles, which are type approved under rule 126, with gross vehicle weight between three and a half tonnes \(3,500 kilograms\) and twelve tonnes \(12,000 kilograms\), manufactured or imported for sale in India, shall, on and from the 1st day of April, 2023, be tested for Constant Speed Fuel Consumption standard and comply with the Fuel consumption target, notified under the Energy Conservation Act, 2001 vide notification of Government of India in the Ministry of Power number S.O. 2540\(E\), dated the 16th July, 2019 and number S.O. 1464\(E\), dated the 29th March, 2022, as amended from time to time.](#)

(5) Every manufacturer or importer of M3 and N2 vehicle category, except Tippers and armoured vehicles, which are type approved under rule 126, with gross vehicle weight of twelve tonnes (12,000 kilograms) and above, manufactured or imported for sale in India, shall on and from the 1st day of April, 2023, shall be tested for Constant Speed Fuel Consumption standard and comply with the Fuel consumption target, notified under the Energy Conservation Act, 2001 vide notification of the Government of India in the Ministry of Power number S.O. 2670(E), dated the 16th August 2017, amended by number S.O. 3215(E), dated the 21st September, 2020 and number S.O. 1465(E), dated the 29th March, 2022 as amended from time to time.

(6) For the purposes of sub-rules (4) and (5),-

- i. the procedure for Conformity of Production for verifying compliance to Constant Speed Fuel Consumption Norms shall be as laid down in AIS: 149, as amended from time to time; and
- ii. the agency referred to in sub-rule (3) shall collect, examine and report the data submitted by the vehicle manufacturers annually to the Central Government.

1. Every manufacturer or importer of M1 motor vehicles which are type approved under rule 126, with at least four wheels, other than quadricycles : Rule 115G inserted by G.S.R. 954(E), dated 04-10-2016 (w.e.f. 05-10-2016). [Download GSR 954(E)]
2. and armoured vehicles, : Inserted by G.S.R. 844(E), dated 22-11-2022 (w.e.f. 22-11-

2022). [Download GSR 844(E)]

3. used for carriage of passengers and their luggage and comprising not more than nine seats including driver's seat, and of gross vehicle weight not exceeding 3,500 kilograms, manufactured or imported for sale in India, shall on and from the 1st day of April, 2017, comply with the Average Fuel consumption Standard, notified under the Energy Conservation Act, 2001 vide notification of the Government of India in the Ministry of Power number 1072 (E), dated the 23rd April, 2015 : Rule 115G inserted by G.S.R. 954(E), dated 04-10-2016 (w.e.f. 05-10-2016). [Download GSR 954(E)]

4. as amended from time to time. : Inserted by G.S.R. 844(E) dt. 22/11/2022 (w.e.f. 22-11-2022) [Download GSR 844(E)] & same was earlier inserted by GSR 233(E), dt 31-03-2022. [Download GSR 233(E)]

5. AIS 137 : Inserted by G.S.R. 728(E), dated 11-10-2021 (w.e.f. 11-10-2021). [Download GSR 728(E)]

6. an agency designated under rule 126 : Substituted for "the International Centre for Automotive Technology (ICAT), Manesar" by G.S.R. 844(E), dated 22-11-2022 (w.e.f. 22-11-2022). [Download GSR 844(E)]

7. Every manufacturer or importer of M2, M3 and N2 vehicle category, except : Sub-rule 4-6 inserted by G.S.R. 844(E), dated 22-11-2022 (w.e.f. 22-11-2022). [Download GSR 844(E)]

8. Tippers and armoured vehicles, which are type approved under rule 126, with gross vehicle weight between three and a half tonnes (3,500 kilograms) and twelve tonnes (12,000 kilograms), manufactured or imported for sale in India, shall, on and from the 1st day of April, 2023, be tested for Constant Speed Fuel Consumption standard and comply with the Fuel consumption target, notified under the Energy Conservation Act, 2001 vide notification of Government of India in the Ministry of Power number S.O. 2540(E), dated the 16th July, 2019 and number S.O. 1464(E), dated the 29th March, 2022, as amended from time to time. : Sub-rule 4-6 inserted by G.S.R. 844(E), dated 22-11-2022 (w.e.f. 22-11-2022). [Download GSR 844(E)]

Rule 115-H ~ Mass emission standards for flex-fuel Methanol [M15 or M100 or M85 and Methanol MD 95] vehicles.

(1) The newly manufactured gasoline vehicles fitted with spark ignition engine compatible to run on gasoline or a mixture of fifteen percent methanol in gasoline (M15) or up to eighty-five per cent methanol blend (M85) or hundred percent methanol (M100), (hereinafter referred to

as flex-fuel methanol vehicle), shall be the type approved as per the prevailing gasoline emission norms.

(2) The newly manufactured methanol vehicle with Gross Vehicle Weight above 3,500 kilograms compatible to run on methanol fuel (MD95), shall be the type approved as per the prevailing diesel emission norms, as applicable for that category.

(3) The compatibility of vehicle to level of methanol blend (M15/M85/M100/MD95) shall be defined by the vehicle manufacturer and the same shall be displayed on the vehicle by affixing a deaty visible sticker.

(4) Test requirements for the type approval for different classes of vehicles are specified Table 1, Table 2 and Table 3, respectively:

TABLE 1

Test requirements for type approval for M and N category vehicles with Gross Vehicle Weight not exceeding 3,500 kilograms

<i>SL No</i>	<i>Test</i>	<i>Applicability</i>
1	Gaseous pollutants (Type I test)	On both Gasoline and M15 or M85 or M100 fuel (As per prevailing gasoline emission norms)
2	Idle and high idle emission (Type II Test)	
3	Crankcase emission (Type III)	Only on Gasoline fuel
4	Evaporative emissions (Type IV)	Only on Gasoline fuel
5	Durability (Type V)	Only on Gasoline fuel
6	On-board diagnosis (OBD) OBD I/OBD II as applicable	On both Gasoline and M15 or M85 or M100 fuel (As per prevailing gasoline emission norms)

TABLE 2***Test Requirements for type approval for two or three wheeled vehicles***

<i>SL No</i>	<i>Test</i>	<i>Applicability</i>
1	Gaseous pollutants (Type I test)	On both Gasoline and M15 or M85 or M100 fuel (As per prevailing gasoline emission norms)
2	Idle and high idle emission (Type II Test)	
3	Crankcase emission (Type III)	Only on Gasoline fuel
4	Evaporative emissions (Type IV)	Only on Gasoline fuel
5	Durability (Type V)	Only on Gasoline fuel
6	On-board diagnosis (OBD) OBD I/OBD II as applicable	On both Gasoline and M15 or M85 or M100 fuel (As per prevailing gasoline emission norms)

TABLE 3***Test requirements for type approval for M and N category vehicles with Gross Vehicle Weight not exceeding 3,500 kilograms***

<i>S. No</i>	<i>Test</i>	<i>Applicability</i>
1.	Gaseous pollutants	

2.	Free acceleration smoke	Test on MD95
3.	Durability	
4.	On-board diagnostics (OBD)	

Notes:--

1. Mass emission tests shall be carried out as per MORTH/CMVR/TAP-115/116 Issue 4 or AIS 137, as amended from time to time, as applicable and suitable updation of the ratios of gas component densities to exhaust gas density, hydrogen-carbon-oxygen ratio and fuel consumption formula shall be done in type approval procedure.
2. Vehicle manufacturer shall submit the vehicle to any of the test agencies specified in Rule 126, for type approval.
3. Flex fuel vehicles with Gross Vehicle Weight not exceeding 3,500 kilograms shall be tested on chassis dynamometers using the prevailing gasoline vehicle emission driving cycle.
4. Methanol fuel vehicles with Gross Vehicle Weight greater than 3.5 tonnes shall be tested on engine dynamometers using the prevailing diesel engine emission driving cycle.
5. M15, M85 or M100 and MD95 vehicles shall be tested with reference fuel as notified by Government of India from time to time. Till availability of reference fuels, testing shall be done on commercially available methanol or methanol gasoline blends.
6. Specifications for M15, M85 or M100 and MD95 fuels to be prepared by Bureau of Indian Standards (BIS). Oil marketing companies shall use suitable additives to produce and dispense such grades of fuels.
7. Flex fuel vehicles shall be tested with reference fuel specified in Annexures IV-Y and methanol fuel vehicle shall be tested with reference fuel specified in Annexure IV-Z and Annexure IV - ZA - Annexure ZB to these rules.
8. For Conformity of Production test applicability, refer to MORTH/CMVR/TA Issue 4 or AIS-137 as amended from time to time, as applicable and fuel requirements for

applicable tests, refer to Table 1, Table 2 and Table-3.

9. The reference fuel for Gasoline shall be specified by Government of time to time.
10. For commercial fuel specifications for gasoline IS 2796:2008 and its subsequent amendments may be referred.
11. The Conformity of Production frequency and sampling shall be as per requirements given in MORTH/CMVR/TAP-115/116 Issue 4 or AIS-137 as amended from time to time, as applicable, according to category of vehicle.
12. Deterioration factors shall be as per prevailing emission norms, according to the vehicle categories, where durability test is applicable.
13. For spark ignition vehicle, where measurement of net power is specified in the case of normal gasoline vehicle, it shall be carried out on engine dynamometer as per IS.14599-1999 with gasoline and M15 or M85 or M100.

1. The newly manufactured gasoline vehicles fitted with spark ignition engine compatible to run on gasoline or a mixture of fifteen percent methanol in gasoline (M15) or up to eighty-five per cent methanol blend (M85) or hundred percent methanol (M100), (hereinafter referred to as flex-fuel methanol vehicle), shall be the type approved as per the prevailing gasoline emission norms. : Rule 115(H) inserted by G.S.R. 490(E), dated 24-05-2018 (w.e.f. 24-05-2018) [Download GSR 490(E)]

Rule 115-I ~ Mass emission standards for Di-Methyl Ether (DME or D100) Vehicles.

(1) The newly manufactured vehicles fitted with compression ignition engine compatible to run on diesel or hundred per cent Di-Methyl Ether (D100) (hereinafter referred to as the DME vehicle in this rule), shall be type approved as per prevailing diesel emission norms.

(2) The DME vehicle shall be specified by the vehicle manufacturer by affixing clearly visible sticker.

(3) Test requirements for the type approval and extension for different classes of vehicles shall be as per the following Table 1, Table 2 and Table 3, respectively, namely—

TABLE 1

Test requirements for type approval and extension for Four Wheeled Vehicles with Gross Vehicle Weight less than or equal to 3,500 kilogram

Sl. No.	Test	DME vehicle
(1)	(2)	(3)
1.	Gaseous pollutants (Type I test)	On Diesel and D100 fuel (per prevailing emission norms)
2.	Free acceleration smoke (type II Test)	
3.	Durability (Type V), if opted for instead of fixed Deterioration Factor (DF)	Only on Diesel fuel
4.	Onboard diagnostics (OBD II)	On both Diesel and D100 fuel

Table 2

Test requirements for type approval and extension for three wheeled vehicles

Sr. No.	Test	DME vehicle
(1)	(2)	(3)
1.	Gaseous pollutants (Type I test)	On Diesel and D100 fuel (a per prevailing emission norms)
2.	Free acceleration smoke (type II Test)	

3.	Durability (Type V), if opted for instead of fixed Deterioration Factor (DF)	Only on Diesel fuel
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TABLE 3

Test requirements for type approval and extension for Four Wheeled Vehicles with Gross Vehicle Weight greater than 3,500 kg

Sr. No.	Test	Flex-fuel methanol vehicle
(1)	(2)	(3)
1.	Gaseous pollutants (Type I test)	On Diesel and D100 fuel (as per prevailing emission norms)
2.	Free acceleration smoke (type II Test)	
3.	Durability (Type V), if opted for instead of fixed Deterioration Factor (DF)	Only on Diesel fuel
4.	Onboard diagnostics (OBD II)	On both Diesel and D100 fi

Notes:-

1. Mass emission tests shall be carried out as per MoRTH/CMVR/TAP-115/116 Issue 4 and its subsequent issues or amendments, as applicable, and suitable Updation of the ratio of gas component densities to exhaust gas density, hydrogen-carbon-oxygen ratio and fuel consumption formula shall be done in type approval procedure.

2. Vehicle manufacturer shall submit the vehicle to any of the test agencies specified in rule 126, for type approval.
3. (i) DME vehicles with Gross Vehicle Weight less than or equal to 3.5 ton shall be tested on chassis dynamometer using the prevailing diesel vehicle emission driving cycle.

(ii) D100 fuel vehicles with Gross Vehicle Weight greater than 3.5 ton shall be tested on engine dynamometers using the prevailing diesel engine emission driving cycle.
4. DME vehicles shall be tested with reference fuel (as per ISO 16861:2015) as specified in Annexure IV-ZC to these rules.
5. For Conformity of Production test applicability, refer to MoRTH/CMVR/TAP-115/116 Issue 4 and its subsequent issues or amendments, as applicable; and for fuel requirement for applicable tests, refer to Table 1, Table 2 and Table 3 above.
6. The Conformity of Production (CoP) frequency and sampling shall be as per requirements specified in MoRTH/CMVR/TAP-115/116 Issue 4 and its subsequent issues or amendments, as applicable, according to category of vehicle.
7. Deterioration factors shall be as per prevailing emission norms and according to the vehicle categories.

1. The newly manufactured vehicles fitted with compression ignition engine compatible to run on diesel or hundred per cent Di-Methyl Ether (D100) (hereinafter referred to as the DME vehicle in this rule), shall be type approved as per prevailing diesel emission norms. : Rule 115-I inserted by GSR 37(E), dt. 17/01/2020 (w.e.f. 17/01/2020).

[Download GSR 37(E)]

Rule 115-J ~ Requirements for the motor vehicles running on compressed gaseous hydrogen fuel cell.

(1) The motor vehicles of Category M and Category N, running on compressed gaseous hydrogen fuel cell shall be in accordance with AIS 157:2020, as amended from time to time, till the corresponding BIS specification is notified under the Bureau of Indian Standard Act, 2016 (11 of 2016).

(2) The hydrogen fuel specification for fuel cell vehicles shall be in accordance with ISO 14687 till the corresponding BIS specification is notified under the Bureau of Indian Standard

Act, 2016 (11 of 1986).]

1. The motor vehicles of Category M and Category N, running on compressed gaseous hydrogen fuel cell shall be in accordance with AIS 157:2020, as amended from time to time, till the corresponding BIS specification is notified under the Bureau of Indian Standard Act, 2016 (11 of 2016). : Rule 115(J) inserted by G.S.R 579(E), dated 23-09-2020 (w.e.f. 23-09-2020). [Download GSR 579(E)]

Rule 115-K ~ Requirements for motor vehicles of Categories L, M and N running on anhydrous ethanol or blends of ethanol with gasoline.

The safety requirements of motor vehicles of Categories L, M and N running on anhydrous ethanol or blends of ethanol with gasoline, with fuel specifications as specified under the said rules, shall be in accordance with AIS 171:2021, as amended from time to time, till the corresponding Standard is notified under the Bureau of Indian Standard Act, 1986.]

1. The safety requirements of motor vehicles of Categories L, M and N running on anhydrous ethanol or blends of ethanol with gasoline, with fuel specifications as specified under the said rules, shall be in accordance with AIS 171:2021, as amended from time to time, till the corresponding Standard is notified under the Bureau of Indian Standard Act, 1986.] : Rule 115(K) inserted by G.S.R No. 343(E) dated 25/05/2021, (w.e.f. 25/05/2021). [Download GSR 343(E)]

Rule 115-L ~ Mass emission standard for E12 (12 % Ethanol-Gasoline Blend) and E15 (15 % Ethanol-Gasoline Blend) vehicles.

(1) The newly manufactured gasoline vehicles fitted with spark ignition engine compatible to run on ethanol gasoline blends of E12 and E15 shall be type approved as per prevailing gasoline emission norms.

(2) The compatibility of vehicle to level of ethanol blend of E12 and E15 shall be defined by the vehicle manufacturer and the same shall be displayed on vehicle by putting a clearly visible sticker.

(3) Test requirements for Type Approval test shall be as per Table below:

Table 1

Test requirements for CMVR compliance for four wheeled vehicles with Gross Vehicle Weight less than or equal to 3,500 kg

Sr. No.	Test	Gasoline ethanol blend vehicle
1	Gaseous pollutants (Type I test)	E12 or E15 fuel
2	Idle and high idle emission (Type II test)	E12 or E15 fuel
3	Crankcase emission (Type III test)	Only on Gasoline Fuel
4	Evaporative emissions (Type IV test)	Only on Gasoline Fuel
5	Durability (Type V test)	Only on Gasoline Fuel
6	In Service Conformity	Only on Gasoline Fuel
7	CO2 & Fuel Consumption	E12 or E15 fuel
8	Onboard diagnostics (OBD I or II) as applicable and In-use performance ratio monitoring(IUPRm)	E12 or E15 fuel
9	Engine Power	E12 or E15 fuel

Notes:-

1. Emission tests for CMVR compliance, shall be carried out as per AIS 137 as applicable and as amended from time to time.

2. Vehicles manufacturer shall submit the vehicle to the Test Agencies referred under rule 126, for CMVR compliance.
3. Deterioration factors shall be as per prevailing emission norms, as notified for the vehicle category.
4. Till the time reference gasoline ethanol fuel blend for E12 and E15 is notified by BIS, commercial gasoline ethanol fuel blend fuel for E12 and E15, as per IS 17586: 2021, shall be used for the purpose of CMVR compliance.
5. Gasoline Reference Fuel shall be as notified for the vehicle category.
6. Deterioration factors shall be as per prevailing emission norms, as notified for the vehicle category.

Table 2

Test requirements for CMVR compliance for two wheeled vehicles or three wheeled vehicles or Quadricycle

Sr. No.	Test	Gasoline ethanol blend vehicle
1	Gaseous pollutants (Type I test)	E12 or E15 fuel
2	Idle and high idle emission (Type II test)	E12 or E15 fuel
3	Crankcase emission (Type III test)	Only on Gasoline Fuel
4	Evaporative emissions (Type IV test)	Only on Gasoline Fuel
5	Durability (Type V test)	Only on Gasoline Fuel

6	CO ₂ & Fuel Consumption	E12 or E15 fuel
7	Onboard diagnostics (OBD I or II) and IUPRm as applicable	E12 or E15 fuel
8	Engine Power	E12 or E15 fuel

Notes:

1. Emission tests for CMVR compliance, shall be carried out as per AIS 137 as applicable and as amended from time to time.
2. Vehicles manufacturer shall submit the vehicle to the Test Agencies referred under rule 126, for CMVR compliance.
3. Deterioration factors shall be as per prevailing emission norms, as notified for the vehicle category.
4. Till the time reference gasoline ethanol fuel blend for E12 and E15 is notified by BIS, commercial gasoline ethanol fuel blend fuel for E12 and E15, as per IS 17586: 2021, shall be used for the purpose of CMVR compliance. Gasoline Reference Fuel shall be as notified for the vehicle category.
5. Deterioration factors shall be as per prevailing emission norms, as notified for the vehicle category.

1. The newly manufactured gasoline vehicles fitted with spark ignition engine compatible to run on ethanol gasoline blends of E12 and E15 shall be type approved as per prevailing gasoline emission norms. : Rule 115(L) inserted by G.S.R No. 728(E) dated 11/10/2021, (w.e.f. 11/10/2021). [Download GSR 728(E)]

Rule 116 ~ Test for smoke emission level and carbon monoxide level for motor vehicles.

(1) Notwithstanding anything contained in sub-rule (7) of rule 115 any officer not below the rank of Sub-Inspector of Police or the Inspector of Motor Vehicles who has reason to believe that a motor vehicle is not complying with the provisions of sub-rule (2) of rule 115, to communicate in writing or through electronic modes to direct the driver or any person in-charge of the vehicle to submit the vehicle for conducting the test to measure emission values in the vehicle at any one of the authorized Pollution Under Control testing stations.

(2) If the driver or person in-charge of the vehicles fails to submit the vehicle for compliance or the vehicle fails to comply with sub-rule (2) of 115 within the stipulated period of seven (07) days, the owner of the vehicle shall be liable for penalty prescribed under sub-section (2) of section 190 of the Act:

Provided that, If the owner fails to comply, the registering authority shall, for reasons to be recorded in writing, suspend the certificate of registration of the vehicle and any permit granted, until such time a valid "Pollution under Control" certificate is generated.

(3) The measurement for compliance to the provisions of sub-rule (2) of rule 115 shall be carried out using the instrument type approved in accordance with AIS 137, as amended from time to time, by any agency referred to in rule 126 or by the National Environmental Engineering Research Institute, Nagpur-440 001.

► **OLD RULE:**

1. Notwithstanding anything contained in sub-rule (7) of rule 115 any officer not below the rank of Sub-Inspector of Police or the Inspector of Motor Vehicles who has reason to believe that a motor vehicle is not complying with the provisions of sub-rule (2) of rule 115, to communicate in writing or through electronic modes to direct the driver or any person in-charge of the vehicle to submit the vehicle for conducting the test to measure emission values in the vehicle at any one of the authorized Pollution Under Control testing stations. : Rule 116 substituted by G.S.R No. 410(E) dated 14/06/2021, (w.e.f. 14/09/2021). [Download GSR 410(E)]

Rule 117 ~ Speedometer.

(1) [Every motor vehicle (including construction equipment vehicle), other than an invalid carriage] or a vehicle, the designed speed of which does not exceed thirty kilometres per hour, shall be fitted with an instrument (hereinafter referred to as "speedometer") so constructed and fixed in such a position as to indicate to the driver of the vehicle the speed at which the vehicle is travelling:

[Provided that every agricultural tractor shall be fitted with an Engine RPM-cum-Hour Meter:]

[Provided further that the requirement of provision of speedometer is exempted for construction equipment vehicle in which the driver's cabin rotates about a vertical axis.]

[Provided also that a vehicle of which, designed speed does not exceed thirty kilometers per hour shall be exempted from the purview of sub-rule (1).]

(2) [On an expiry of one year and three months from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1999, every motor vehicle manufactured shall be fitted with a speedometer conforming to the requirements of IS:11827—1995 specified by Bureau of Indian Standards, as amended from time to time.]

(3) On and after the commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, every construction equipment vehicle manufactured shall be fitted with a speedometer that shall conform to the requirements of IS: 11827 specified by the Bureau of Indian Standards concerning the speedometer.]

(4) [Every quadricycle manufactured on and after 1st October 2014, shall be fitted with a speedometer conforming to the requirements of Indian Standards : 11827-2008 specified by Bureau of Indian Standards.]

1. [Every motor vehicle (including construction equipment vehicle), other than an invalid carriage] : Substituted by G.S.R. 642(E), dated 28-7-2000, for "Every motor vehicle, other than an invalid carriage" (w.e.f. 29-7-2000). [Download GSR 642(E)]
2. [Provided that every agricultural tractor shall be fitted with an Engine RPM-cum-Hour Meter:] : Inserted by G.S.R. 338(E), dated 26-3-1993 (w.e.f. 26-3-1993) [Download GSR 338(E)]
3. [Provided further that the requirement of provision of speedometer is exempted for

construction equipment vehicle in which the driver's cabin rotates about a vertical axis.] :

Inserted by G.S.R. 642(E), dated 28-7-2000 (w.e.f. 28-7-2000) [Download GSR 642(E)]

4. [Provided also that a vehicle of which, designed speed does not exceed thirty kilometers per hour shall be exempted from the purview of sub-rule (1).] : Proviso

Inserted by G.S.R. 1225(E), dated 20-12-2018 (w.e.f. 20-12-2018). [Download GSR 1225(E)]

5. [On an expiry of one year and three months from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1999, every motor vehicle manufactured shall be fitted with a speedometer conforming to the requirements of IS:11827—1995 specified by Bureau of Indian Standards, as amended from time to time. : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]

6. : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]

7. (3) On and after the commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, every construction equipment vehicle manufactured shall be fitted with a speedometer that shall conform to the requirements of IS: 11827 specified by the Bureau of Indian Standards concerning the speedometer.] : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]

8. [Every quadricycle manufactured on and after 1st October 2014, shall be fitted with a speedometer conforming to the requirements of Indian Standards : 11827-2008 specified by Bureau of Indian Standards.] : Inserted by G.S.R. 99(E), dated 19-2-2014 (w.e.f. 1-10-2014). [Download GSR 99(E)]

Rule 118 ~ Speed governor.

(1) [Every transport vehicle notified by the Central Government under sub-section (4) of section 41 of the Motor Vehicle Act, 1988 (58 of 1988), save as provided herein, and manufactured on or after the 1st October, 2015 shall be equipped or fitted by the vehicle manufacturer, either in the manufacturing stage or at the dealership stage, with a speed governor (speed limiting device or speed limiting function) having maximum pre-set speed of 80 kilometre per hour conforming to the Standrad AIS 018/2001, as amended from time to time:

Provided further that the transport vehicles that are –

i. Two wheelers;

- ii. three wheelers;
- iii. quadricycle;
- iv. [\[x x x x\]](#)
- v. fire tenders;
- vi. ambulances;
- vii. police vehicles;
- viii. verified and certified by a testing agency specified in rule 126 to have maximum rated speed of not more than 80 kilometre per hour, shall not be required to be equipped or fitted with speed governor (speed limiting device or speed limiting function):

Provided further that the transport vehicles manufactured on or after 1st October, 2015 that are dumpers, tankers, school buses, those carrying hazardous goods or any other category of vehicles, as may be specified by the Central Government by notification in the Official Gazette from time to time, shall be equipped or fitted by the vehicle manufacturer, either in the manufacturing stage or at the dealership stage, with a speed governor (speed limiting device or speed limiting function) having maximum speed of 60 kilometre per hour conforming to the Standards AIS 018/2001, as amended from time to time.

[\[Provided also that on and from 1st April 2017, articulated or truck-trailer or tractor-trailer vehicles engaged by automobile manufacturers to carry motor vehicles from their factories to different sale outlets in the country, shall be equipped or fitted by the vehicle manufacturer, either in the manufacturing stage or at the dealership stage, with a speed governor \(speed limiting device or speed limiting function\) having maximum speed of 60 kilometers per hour conforming to AIS 018/2001, as amended from time to time, till such time the corresponding Bureau of Indian Standards specifications are notified.\]](#)

(2) The State Government shall, by notification in the Official Gazette, specify on or before 1st October, 2015, the categories of transport vehicles registered prior to the 1st October, 2015 which are not already fitted with a speed governor (speed limiting device or speed limiting function), and are not covered under the first proviso to sub-rule 1 above, that such transport vehicles shall be equipped not covered by the operators of those vehicles on or before 1st April, 2016 with a speed governor (speed limiting device or speed limiting function), having maximum pre-set speed of 80 kilometre per hour or such lower speed limit as specified by the

State Government from time to time, conforming to the Standard AIS: 018/2001, as amended from time to time:

Provided that the categories of transport vehicles carrying hazardous goods and those transport vehicles that are dumpers, tankers or school buses, registered prior to the 1st October, 2015 and not already fitted with a speed governor (speed limiting device or speed limiting function) having maximum pre-set speed of 60 kilometre per hour or such other lower speed limit as may be specified by the State Government, conforming to the Standard AIS : 018/2001, as amended from time to time.]

(3) [An Airport Passenger Bus, referred to in Rule 93C, shall be equipped or fitted with a speed governor (speed limiting device or speed limiting function) having maximum pre-set speed of thirty kilometer per hour or such lower speed limit as specified by the State Government from time to time, conforming to the standard AIS: 018/2001 as amended from time to time.]

1. [Every transport vehicle notified by the Central Government under sub-section (4) of section 41 of the Motor Vehicle Act, 1988 (58 of 1988), save as provided herein, and manufactured on or after the 1st October, 2015 shall be equipped or fitted by the vehicle manufacturer, either in the manufacturing stage or at the dealership stage, with a speed governor (speed limiting device or speed limiting function) having maximum pre-set speed of 80 kilometre per hour conforming to the Standard AIS 018/2001, as amended from time to time: : Rule 118 substituted by G.S.R. 290(E), dated 15-4-2015, for R.118 (w.e.f. 15-4-2015). [Download GSR 290(E)]

2. [x x x x] : Omitted " Four wheeled and used for carriage of passengers and their luggage, with seating capacity not exceeding 8 in addition to driver seat (M1 category) and not exceeding 3500kg. GVW" by G.S.R. 424(E), dated 01-05-2017 (w.e.f 01-05-2017). [Download GSR 424(E)]

3. [Provided also that on and from 1st April 2017, articulated or truck-trailer or tractor-trailer vehicles engaged by automobile manufacturers to carry motor vehicles from their factories to different sale outlets in the country, shall be equipped or fitted by the vehicle manufacturer, either in the manufacturing stage or at the dealership stage, with a speed governor (speed limiting device or speed limiting function) having maximum speed of 60 kilometers per hour conforming to AIS 018/2001, as amended from time to time, till such time the corresponding Bureau of Indian Standards specifications are notified.] : Inserted by GSR 963(E), dt. 07/10/2016 (w.e.f. 07/10/2016). [Download GSR 963(E)]

4. [An Airport Passenger Bus, referred to in Rule 93C, shall be equipped or fitted with a speed governor (speed limiting device or speed limiting function) having maximum pre-set speed of thirty kilometer per hour or such lower speed limit as specified by the State Government from time to time, conforming to the standard AIS: 018/2001 as amended from time to time.] : Inserted by G.S.R. 594(E), dated 13-06-2016 (w.e.f 13-06-2016).
[Download GSR 594(E)]

Rule 119 ~ Horns.

(1) [On and after expiry of one year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1999, every motor vehicle, agricultural tractor, power tiller and construction equipment vehicle] manufactured shall be fitted with an electric horn or other devices conforming to the requirements of IS: 1884—1992, specified by the Bureau of Indian Standards] for use by the driver of the Vehicle and capable of giving audible and sufficient warning of the approach or position of the vehicle:

[Provided that vehicles manufactured on and from 1st October, 2014, the horn installation requirements for motor vehicles shall be as per IS: 15796-2008, specified by the Bureau of Indian Standards, as amended from time to time:]

[Provided further that on and after 1st October 2014, the requirements under this rule shall be applicable to every quadricycle:]

[Provided also that on and after the date of final publication of the Central Motor Vehicles (16th Amendment) Rules, 2014 the requirements under this rule shall be applicable to every E-rickshaw and E-cart:]

(1A) [Every combine harvester shall be fitted with an electric horn or other devices confirming to the requirements of IS 1884: 1993 specified by the Bureau of Indian Standards for use by the driver of the vehicle and capable of giving audible and sufficient warning of the approach or position of the vehicle.

Provided that the horn installation requirements for combine harvester shall be as per IS 15796 : 2008 specification as amended from time to time.]

(2) No motor vehicle including agricultural tractor and combine harvester shall be fitted with any multi-toned horn giving a succession of different notes or with any other sound-producing device giving an unduly harsh, shrill, loud or alarming noise.

(3) Nothing contained in sub-rule (2) shall prevent the use on vehicles used as ambulance or for fire fighting or salvage purposes or on vehicles [\[used by police officers or operators of construction equipment vehicles or officers of the Motor Vehicles Department\]](#), [\[in the course of their duties or on construction equipment vehicles,\]](#) of such sound signals as may be approved by the registering authority in whose jurisdiction such vehicles are kept.

[\[Provided that requirements for sirens of road Ambulances shall be in accordance with AIS:125 \(Part 1\)-2014, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 \(63 of 1986\).\]](#)

1. [On and after expiry of one year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1999, every motor vehicle, agricultural tractor, power tiller and construction equipment vehicle] : Substituted by G.S.R.214(E), dated 18-3-1999 (w.e.f.18-3-1999)
2. [Provided that vehicles manufactured on and from 1st October, 2014, the horn installation requirements for motor vehicles shall be as per IS: 15796-2008, specified by the Bureau of Indian Standards, as amended from time to time:] : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]
3. [Provided further that on and after 1st October 2014, the requirements under this rule shall be applicable to every quadricycle:] : Inserted by G.S.R.99(E), dated 19-2-2014(w.e.f. 1-10-2014). [Download GSR 99(E)]
4. [Provided also that on and after the date of final publication of the Central Motor Vehicles (16th Amendment) Rules, 2014 the requirements under this rule shall be applicable to every E-rickshaw and E-cart:] : Inserted by G.S.R.709(E), dated 8-10-2014, (w.e.f.8-10-2014). [Download GSR 709(E)]
5. [Every combine harvester shall be fitted with an electric horn or other devices conforming to the requirements of IS 1884: 1993 specified by the Bureau of Indian Standards for use by the driver of the vehicle and capable of giving audible and sufficient warning of the approach or position of the vehicle. : Inserted by G.S.R.212(E),dated 20-3-2015 (w.e.f.1-4-2015). [Download GSR 212(E)]
6. : Inserted by G.S.R.212(E),dated 20-3-2015 (w.e.f.1-4-2015). [Download GSR 212(E)]
7. Provided that the horn installation requirements for combine harvester shall be as per IS 15796 : 2008 specification as amended from time to time.] : Inserted by G.S.R.212(E),dated 20-3-2015 (w.e.f.1-4-2015). [Download GSR 212(E)]
8. [used by police officers or operators of construction equipment vehicles or officers of

the Motor Vehicles Department] : Substituted by G.S.R. 116(E), dated 27-2-2002(w.e.f. 27-8-2002).

9. [in the course of their duties or on construction equipment vehicles,] : Substituted by G.S.R. 642(E), dated 28-7-2000, for — in the course of their duties (w.e.f. 28-7-2000). [Download GSR 642(E)]

10. [Provided that requirements for sirens of road Ambulances shall be in accordance with AIS:125 (Part 1)-2014, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).] : Proviso inserted by G.S.R 589(E), dated 16-9-2005(w.e.f. 16-9-2005). [Download GSR 589(E)]

Rule 120 ~ Silencers.

(1) [\[Every motor vehicle including agricultural tractor\]](#) [\[and combine harvester\]](#) shall be fitted with a device (hereinafter referred to as a silencer) which by means of an expansion chamber or otherwise reduces of exhaust gases from the engine.

(2) [\[Noise standards. – Every motor vehicle shall be constructed and maintained so as to conform to noise standards specified in Part E of the Schedule VI to the Environment \(Protection\) Rules, 1986, when tested as per IS:3028-1998, as amended from time to time.\]](#)

[\[Provided that on and from the 1st day of April, 2006, where different noise levels are prescribed for vehicles, of such category, shall apply to Battery Operated Vehicles:\]](#)

[\[Provided further that in case of quadricycles, the permissible noise limits for b=vehicles in motion shall be 76 dB\(A\).\]](#)

(3) [\[In the case of agricultural tractor, the measurement test for driver perceived noise level and permissible sound level at bystander shall be carried out as per AIS -115 \(Part 1\) – 2209 and AIS-115 \(Part 2\)-2009 respectively, as amended from time to time till such time the corresponding Bureau of Indian Standards specifications are notified under the Bureau of Indian Standards Act, 1986 \(63 of 1986\) and shall conform to the levels as specified in the Table 1 and Table 2 below;](#)

TABLE 1

<i>Serial number</i>	<i>Agricultural Tractor</i>	<i>Date of Implementation</i>	<i>Driver-perceived noise level</i>
(1)	AII	1st April, 2015	96dB(A)* 92dB(A)**

* As per Annexure I of AIS-115 (Part 1) – 2009

** As per Annexure II of AIS-115 (Part 1)- 2009

Note.- Agricultural Tractor manufacturers may opt for testing as per Annexure I or Annexure II.

TABLE 2

<i>Serial number</i>	<i>Agricultural Tractor</i>	<i>Date of Implementation</i>	<i>Bystander's position</i>
(1)	>1.5 TGVW	1st April, 2015	88 dB(A)
(2)	<1.5TGVW	1st April, 2015	85 dB(A)]

(4) [In case of power tiller with a riding attachment or power tiller coupled to trailer, the noise level when tested as per IS:12180:2000, as amended from time to time, shall not exceed 88dB(A) at the bystander position and 98dB(A) at the operator's ear level.]

(5) [In the case of combine harvester, the noise level at operator's ear level shall be measured as per Annex B of IS 12180 (Part-1) : 2000, whereas the noise level at bystander's position shall be measured as per IS 12180 (Part-2):2000:]

Provided that the noise level shall not exceed 98 dB (A) at operator's ear level and 88 dB(A) at bystander's position

(6) [In the case of construction equipment vehicles the emission sound pressure level at the Operator's ear position under static test conditions shall be in accordance with IS/ISO:6394:2008, Operator's ear position under Dynamic test conditions shall be in accordance with IS/ISO:6396:2008 and sound power level at stationary test condition shall be in accordance with IS/ISO:6393:2008, sound power level at Dynamic test condition shall be in accordance with IS/ISO:6395:2008 as amended from time to time, complying to the limits specified in Table -1 and Table -2 below and vehicle(s) manufactured on and after the 1st April 2021, shall comply to limits specified under phase-I and vehicle(s) manufactured on and after the 1st January, 2025, shall comply to limits specified under phase-II -

Table-1: Noise limits for Operator Ear Level at Static and Dynamic Conditions

Type of Machine	Emission sound pressure level limit at operator's position, dB(Construction Equipment Vehicle fitted with cabin)	
	Phase – I norms effective from the 1st day of April, 2021 (As per IS/ISO 6394)	Phase-II norms effective from the <u>1st day of January, 2025</u> (As per ISO 6396)
Construction Equipment Vehicle	90	85

Table -2: Noise limits for Pass by Noise test at Static and Dynamic Conditions

<i>Type of machine</i>	<i>Engine gross power P, kW</i>	<i>Emissive sound power level, dB(A)</i>	
		Phase – I norms effective from the 1st day of April,	Phase-II norms effective from the <u>1st day of</u>

		2021 (As per IS/ ISO 6393)	2025 (As ISO 6
Compaction machines	$P \leq 8$	110	10
(vibrating rollers)	$8 \leq P \leq 70$	111	10
	$70 \leq P \leq 560$	$91 + 11 \log P$	$88 + 11$
Wheeled loader, wheeled dozer, Backhoe loader, Skid Steer Loader, Dumpers, Motor Grader, Dozers with Rubber wheels, pavers with rubber track or rubber pads or wheeled pavers, fork Lift truck, compaction Rollers (nonvibrating Rollers), or any other construction equipment falling under the scope of CMVR	$P \leq 55$	110	10
	$55 < P \leq 560$	$91 + 11 \log P$	$88 + 11$
Wheeled hydraulic excavator	$P \leq 15$	98	9
	$15 < P \leq 560$	$85 + 11 \log P$	$82 + 11$
Mobile crane, self-loading concrete mixer	$P \leq 560$	$93 + 11 \log P$	$90 + 11$
Note: The permissible sound power level shall be rounded to the nearest whole number (less than 0.5 use lower number; greater than or equal to 0.5 use higher number). The engine gross power P shall be determined according to TAP 115/116/ AIS 137.]			

1. [Every motor vehicle including agricultural tractor] : Substituted for "Every motor vehicle" by GSR 1192(E), dt. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]
2. [and combine harvester] : Inserted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]
3. [Noise standards. – Every motor vehicle shall be constructed and maintained so as to

conform to noise standards specified in Part E of the Schedule VI to the Environment (Protection) Rules, 1986, when tested as per IS:3028-1998, as amended from time to time.] : Substituted for "Every motor vehicle" by GSR 1192(E), dt. 10/12/2018 (w.e.f. 11/12/2018). [Download GSR 1192(E)]

4. [Provided that on and from the 1st day of April, 2006, where different noise levels are prescribed for vehicles, of such category, shall apply to Battery Operated Vehicles:] : Proviso added by G.S.R 589(E), dated 16-9-2005(w.e.f. 16-9-2005). [Download GSR 589(E)]

5. [Provided further that in case of quadricycles, the permissible noise limits for b=vehicles in motion shall be 76 dB(A).] : Inserted by G.S.R. 99(E), dated 19-2-2014 (w.e.f 1-10-2014). [Download GSR 99(E)]

6. [In the case of agricultural tractor, the measurement test for driver perceived noise level and permissible sound level at bystander shall be carried out as per AIS -115 (Part 1) – 2209 and AIS-115 (Part 2)-2009 respectively, as amended from time to time till such time the corresponding Bureau of Indian Standards specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986) and shall conform to the levels as specified in the Table 1 and Table 2 below; : Substituted by G.S.R. 291(E), dated 24-4-2014(w.e.f 24-4-2014). [Download GSR 291(E)]

7. [In case of power tiller with a riding attachment or power tiller coupled to trailer, the noise level when tested as per IS:12180:2000, as amended from time to time, shall not exceed 88dB(A) at the bystander position and 98dB(A) at the operator's ear level.] : Sub rule (4) inserted by G.S.R 589(E), dated 16-9-2005(w.e.f. 16-9-2005). [Download GSR 589(E)]

8. [In the case of combine harvester, the noise level at operator's ear level shall be measured as per Annex B of IS 12180 (Part-1) : 2000, whereas the noise level at bystander's position shall be measured as per IS 12180 (Part-2):2000:] : Inserted by G.S.R 212(E), dated 20-3-2015 (w.e.f 1-4-2015). [Download GSR 212(E)]

9. [In the case of construction equipment vehicles the emission sound pressure level at the Operator's ear position under static test conditions shall be in accordance with IS/ISO:6394:2008, Operator's ear position under Dynamic test conditions shall be in accordance with IS/ISO:6396:2008 and sound power level at stationary test condition shall be in accordance with IS/ISO:6393:2008, sound power level at Dynamic test condition shall be in accordance with IS/ISO:6395:2008 as amended from time to time, complying to the limits specified in Table -1 and Table -2 below and vehicle(s)

manufactured on and after the 1st April 2021, shall comply to limits specified under phase-I and vehicle(s) manufactured on and after the : Inserted by GSR 673(E), dt. 27/10/2020 (w.e.f. 27/10/2020). [Download GSR 673(E)]

10. 1st January, 2025 : Substituted for "1st April 2024" by GSR 163(E), dt. 07/03/2024 (w.e.f. 07/03/2024). [Download GSR 163(E)]

11. shall comply to limits specified under phase-II - : Inserted by GSR 673(E), dt. 27/10/2020 (w.e.f. 27/10/2020). [Download GSR 673(E)]

12. 1st day of January, 2025 : Substituted for "1st day of April 2024" by GSR 163(E), dt. 07/03/2024 (w.e.f. 07/03/2024). [Download GSR 163(E)]

13. 1st day of January, 2025 : Substituted for "1st day of April 2024" by GSR 163(E), dt. 07/03/2024 (w.e.f. 07/03/2024). [Download GSR 163(E)]

Rule 121 ~ Painting of motor vehicles.

(1) No motor vehicle including agricultural tractor and construction equipment vehicle shall be painted in olive green colour except those belonging to the Defence Department

(2) No contract carriage other than a tourist vehicle covered by permit under sub-section (9) of section 88 shall be painted in the manner specified in sub-rule (11) of rule 128.

(3) No goods carriage other than a goods carriage covered by national permit shall be painted in the manner specified in sub-rule (1) of rule 90.

(4) [The body of quadricycle shall prominently carry a label "Q" in capital and Arial font in black or any contrasting colour in front and at the rear of vehicle and that the said label shall have suitable dimensions so that total display area is not less than 225 sq.cm]

1. [The body of quadricycle shall prominently carry a label "Q" in capital and Arial font in black or any contrasting colour in front and at the rear of vehicle and that the said label shall have suitable dimensions so that total display area is not less than 225 sq.cm] :
Inserted by G.S.R. 99(E), dated 19-2-2014 (w.e.f. 1-10-2014). [Download GSR 99(E)]

Rule 122 ~ Embossment of the chassis number and engine number or in the case of battery operated vehicles, motor number and month of manufacture.

(1) [Every L, M and N categories of motor vehicles, manufactured on and after 1st day of April, 2009, shall bear the identification number including month and year of manufacture, embossed or etched or punched on it, in accordance with AIS 065:2005 till the corresponding BIS specifications are notified under the Bureau of Indian Standard Act, 1986 (63 of 1986):]

Provided that every [N category vehicle, Goods Quadricycle, E-rickshaw and E-cart], manufactured on and after the 1st day of April, 2009 shall bear manufacturer's plate as prescribed in AIS 065:2005 till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986):

[Provided further that on and after 1st October, 2014, the requirements under this rule shall be applicable to every quadricycle:]

[Provided also that on and after date of final publication of the Central Motor Vehicles (16th Amendment) Rules, 2014, the requirements under this rule shall be applicable to every E-rickshaw and E-cart:

Provided also that the test agencies shall be authorized to provide a vehicle identification number, wherever registered association applies for approval for E-rickshaw.],

(1A) Every agricultural tractor, construction equipment vehicle, hydraulic modular trailer and combine harvester] shall bear the identification number including month and year of manufacture, embossed or etched or punched on it:

Provided that in case of agriculture tractor the identification number including month and year of manufacture, embossed or etched or punched on it shall be in accordance with AIS 117-2011, as amended from time to time till the corresponding Bureau of Indian Standards specifications are notified under Bureau of Indian Standards Act, 1986 (63 of 1986):]

[Provided further that on and from the 1st day of April, 2016, in case of the construction equipment vehicles the identification number including month and year of manufacture, embossed or etched or punched on it shall be in accordance with AIS-136:2015, as amended from time to time, till the Bureau of Indian Standards Act, 1986 (63 of 1986):]

(1B) [Every combine harvester and hydraulic modular trailer shall bear the identification number plate including the following information embossed or etched or punched on it

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(i).	<u>Name of manufacturer</u>	:	<u>.....</u>
(ii).	<u>Model Name</u>	:	<u>.....</u>
(iii).	<u>Chassis number</u>	:	<u>.....</u>
(iv).	<u>Engine/Tractor make & model</u>	:	<u>.....</u>
(v).	<u>Engine SI. No (in case of self propelled combine)</u>	:	<u>.....</u>
(vi).	<u>Month & year of manufacture</u>	:	<u>.....</u>

(2) [The vehicle manufacturer shall intimate to the certifying testing agency regarding the place where the number shall be embossed or etched or punched including code for the year and month of production in respect of each model and such testing agency shall include these details in the certificate of compliance granted by that agency under rule 126. No manufacturer shall change the place of embossing, etching or punching and the code for the month and year of production without prior intimation by registered post to the testing agency which granted the certificate of compliance to these rules:]

[x x x x]

(3) [In case of E-rickshaw or E-cart, the registered E-rickshaw or E-cart Association or manufacturer producing E-rickshaw or E-cart shall intimate to the State Transport Authority regarding the place where the number shall be embossed or etched or punched including the code for the year and month of production for each model of E-rickshaw or E-cart.]

(4) In case of L2-5 category of vehicles, the identification number including month and year of manufacture, embossed or etched or punched on it shall be in accordance with AIS 177:2021, as amended from time to time, till the corresponding Bureau of Indian

Standards specification are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).

► **OMITTED RULE:**

1. [Every L, M and N categories of motor vehicles, manufactured on and after 1st day of April, 2009, shall bear the identification number including month and year of manufacture, embossed or etched or punched on it, in accordance with AIS 065:2005 till the corresponding BIS specifications are notified under the Bureau of Indian Standard Act, 1986 (63 of 1986):] : Substituted by G.S.R.784(E), dated 12-11-2008 (w.e.f. 1-4-2009). [Download GSR 784(E)]
2. [N category vehicle, Goods Quadricycle, E-rickshaw and E-cart], : Substituted by G.S.R. 709 (E), dated 8-10-2014 (w.e.f. 8-10-2014). [Download GSR 709(E)]
3. [Provided further that on and after 1st October, 2014, the requirements under this rule shall be applicable to every quadricycle:] : Inserted by G.S.R. 99(E), dated 19-2-2014 (w.e.f. 1-10-2014). [Download GSR 99(E)]
4. [Provided also that on and after date of final publication of the Central Motor Vehicles (16th Amendment) Rules, 2014, the requirements under this rule shall be applicable to every E-rickshaw and E-cart: : Substituted by G.S.R. 709 (E), dated 8-10-2014 (w.e.f. 8-10-2014). [Download GSR 709(E)]
5. : Substituted by G.S.R. 709 (E), dated 8-10-2014 (w.e.f. 8-10-2014). [Download GSR 709(E)]
6. Provided also that the test agencies shall be authorized to provide a vehicle identification number, wherever registered association applies for approval for E-rickshaw.], : Substituted by G.S.R. 709 (E), dated 8-10-2014 (w.e.f. 8-10-2014). [Download GSR 709(E)]
7. [Provided further that on and from the 1st day of April, 2016, in case of the construction equipment vehicles the identification number including month and year of manufacture, embossed or etched or punched on it shall be in accordance with AIS-136:2015, as amended from time to time, till the Bureau of Indian Standards Act, 1986 (63 of 1986):] : Inserted by G.S.R. 133(E), dated 29-1-2016 (w.e.f. 1-2-2016). [Download GSR 133(E)]
8. [Every combine harvester and hydraulic modular trailer shall bear the identification

number plate including the following information embossed or etched or punched on it :

Inserted by G.S.R. 212(E), dated 20-3-2015 (w.e.f 1-4-2015). [Download GSR 212(E)]

9. (i) Name of manufacturer : (ii) Model Name :
..... (iii) Chassis number : (iv)

Engine/Tractor make & model : (v) Engine SI. No (in
case of self propelled combine) : (vi) Month & year of
manufacture : : Inserted by G.S.R. 212(E), dated 20-3-
2015 (w.e.f 1-4-2015). [Download GSR 212(E)]

10. [The vehicle manufacturer shall intimate to the certifying testing agency regarding
the place where the number shall be embossed or etched or punched including code for
the year and month of production in respect of each model and such testing agency shall
include these details in the certificate of compliance granted by that agency under rule
126. No manufacturer shall change the place of embossing, etching or punching and the
code for the month and year of production without prior intimation by registered post to
the testing agency which granted the certificate of compliance to these rules:] :

Substituted by G.S.R. 221(E), dated 28-3-2001 (w.e.f. 28-3-2001) [Download GSR
221(E)]

11. [x x x x] : Proviso omitted by G.S.R 784(E), dated 12-11-2008 (w.e.f 1-4-2009).
[Download GSR 784(E)]

12. [In case of E-rickshaw or E-cart, the registered E-rickshaw or E-cart Association or
manufacturer producing E-rickshaw or E-cart shall intimate to the State Transport
Authority regarding the place where the number shall be embossed or etched or
punched including the code for the year and month of production for each model of E-
rickshaw or E-cart.] : Inserted by G.S.R. 27(E), dated 13-1-2015 (w.e.f 13-1-2015).
[Download GSR 27(E)]

13. In case of L2-5 category of vehicles, the identification number including month and
year of manufacture, embossed or etched or punched on it shall be in accordance with
AIS 177:2021, as amended from time to time, till the corresponding Bureau of Indian
Standards specification are notified under the Bureau of Indian Standards Act, 2016 (11
of 2016). : Inserted by G.S.R 354(E), dated 26-06-2024 (w.e.f. 26-06-2024). [Download
GSR 354(E)]

Rule 123 ~ Safety devices in motorcycle.

(1) [The manufacturer of every motor cycle which has a provision for a pillion rider shall ensure the following safety devices during its manufacture, namely:—

- a. provision for pillion hand holds on the side of the motor cycle or behind the driver seat and it shall comply with the requirement specified in IS: 14495-1998, as may be amended from time to time;
- b. foot rests for the pillion rider on both sides of the motor cycle; and
- c. protective device covering not less than half portion of the rear left wheel of the motorcycle so as to prevent the clothes of the person sitting on the pillion entangled in the rear wheel.

(2) The footrests of every motorcycle manufactured on and from the 1st January, 2022 shall comply with the requirements specified in AIS 148:2018, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).

(3) The motorcycle fitted with a light weight container shall meet the following requirements, namely:—

- a. the dimensions of the container shall not exceed 550 mm in length, 510 mm in width and 500 mm in height;
- b. weight of the container including its mounting and load carried therein shall not exceed 30 kgs.;
- c. if the container is fitted on the pillion rider space, no pillion rider shall be allowed, provided that the weight of container including its mounting and load carried therein shall be within the permissible gross vehicle weight in kg., specified by the manufacturer and also approved by the test agency referred to in rule 126;
- d. if the container is fitted behind the pillion rider space, pillion rider shall be allowed provided that the weight of the vehicle, passenger and container including its mounting and load carried therein shall be within the permissible gross vehicle weight in kg., specified by the manufacturer and also approved by the test agency referred to in rule 126.

(4) The motorcycle manufactured on and from the 1st January, 2022 shall comply with the stand requirements specified in AIS 146:2018, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).

(5) The motorcycle manufactured on and from the 1st January, 2022 shall comply with the external projection requirements specified in AIS 147:2018, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).]

► **OLD RULE:**

1. [The manufacturer of every motor cycle which has a provision for a pillion rider shall ensure the following safety devices during its manufacture, namely:– : Rule 123 substituted by G.S.R 457(E), dated 20/07/2020, w.e.f 20/07/2020. [Download GSR 457(E)]

Rule 124 ~ Safety standards of components.

(1) [The Central Government may, from time to time, specify, by notification in the Official Gazette, the standards or the relevant standards specified by the Bureau of Indian Standards of any part, component or assembly to be used in the manufacture of a vehicle including construction equipment vehicle and the date from which such parts, components or assemblies are to be used in the manufacture of such vehicle.]

[Provided that any notification issued under this sub-rule before the commencement of the Central Motor Vehicles (6th Amendment) Rules, 2001, shall not be applicable after such commencement upto and including 26th August, 2002 in respect of any construction equipment.]

[Provided that the vehicle manufacturers shall ensure the fitment of the rear under run protective device in vehicles of categories N2, N3 and their trailers except special purpose vehicles namely tractors and tippers at their end and lateral under run protective device either at their factory or at their dealers end. Vehicle not fitted with such devices shall not be

registered under these rules. They shall also ensure to supply necessary kits if the fitment is not done by them in the case of lateral under-run protective device:

Provided further that the rear under run protective device shall also be painted with yellow and white zebra stripes on the entire rear face of the device.]

(1A) [The general requirements of vehicle rear under run protecting device and the technical requirements of vehicle lateral protection side shall be as per IS:14812-2000 specifications and as per IS:14682-1999, respectively, as may be amended from time to time, for the motor vehicles of categories mentioned therein.]

(1B) [There shall not be any requirements regarding fitment of rear under run protection device and lateral protection device in modular hydraulic trailer.

(1C) “T” signs, wherever used on modular hydraulic trailers, shall comply with IS: 9942 :1982.]

(2) [Every manufacturer shall get the prototype of the part, component or sub-assembly for which standards have been notified, approved from any agency as referred to in rule 126 or the Central Institute of Road Transport, Pune or in case of compliance with notified Indian Standards from any laboratory duly authorized by the Bureau of Indian Standards. On the basis of such approval, every manufacturer shall also certify compliance with the provisions of this rule in Form22.]

(2A) [In case of E-rickshaw or E-cart, the registered E-rickshaw or E-cart Association or manufacturer producing E-rickshaw or E-cart shall get the prototype of the part, component or sub-assembly for which standards have been notified, approved from any agency as referred to in rule 126 or the Central Institute of Road Transport, Pune, or in case of compliance with notified Indian Standards from any laboratory duly authorised by the Bureau of Indian Standards, and on the basis of such approval, the E-rickshaw or E-cart association or manufacturer shall also certify compliance with the provisions of this rule in Form 22.]

(3) [The Central Government may, by notification in the Official Gazette, frame a Scheme for marking to be affixed on any part or component or assembly to be used in the manufacture of the vehicle and specify the date from which such parts, components or assemblies are to be used in the manufacture of the vehicle.]

(4) [\[The procedure for type approval and establishing conformity of production for components, listed in table below, shall be in accordance with AIS:037-2004 till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 \(63 of 1986\).\]](#)

TABLE

<i>SL No</i>	<i>Components</i>	<i>Reference Rule</i>	<i>Effective for manufacture and from</i>
1	Safety Glass	Rule 100(2), (3) and (3-A)	1st April, 200
2	Brake hose	SI.No 2 of Table of S.O. 1365(E), dated 13-12-2004 and SI.No 3 of 124-A	1st April, 200
3	Horn	Rule 119(1)	1st April, 200
4	Tyre	Rule 95(1)	1st April, 200
5	CNG Regulator	SI.NO 3 of Annexure IX	1st April, 200
6	LPG vaporiser/ regulator	SI.No. 3 of Annexure VIII	1st April, 200
7	Bulb	SI.No. 1 of Table of S.O 1365(E), dated 13-12-2004 and SI>NO1 of 124-A	1st October, 2
8	Device for indirect vision	Rule 125(2)	1st October, 2
9	Speed limiting devices	Rule 118(1)	1st October, 2
10	Safety Belt	Rule 125(1-A)	1st October, 2

11	Wheel rims for M and N category	SI.No.8 of Table of S.O. 1365 (E), dated 13-12-2004	1st October, 2
12	Lighting and light signalling devices for M and N category	SI.No.20 of Table of S.O. 1365 (E), dated 13-12-2004	1st October, 2
13	Retro-reflectors for M and N category	Rule 104(4) and 104-A(vi)	1st October, 2
14	Warning triangle	Rule 138(4)(c)	1st October, 2
15	Lighting and light signalling devices for L category	SI.No.32 of Table of S.O. 1365 (E), dated 13-12-2004, devices for L category	1st April, 201
16	Retro-reflector for L category	Rule 104-A and Rule 104-A(vi)	1st April, 201
17	Retro-reflectors for Agricultural Tractors and Constructional Equipments vehicle	Rule 104-A and Rule 104-B	1st April, 201
18	Light and signalling devices for Agricultural Tractors and Constructional Equipment vehicles.	SI.No 2 of Rule 124-A	1st April, 201
19	Door locks and Door retention components	SI.No.16 of Table of S.O. 1365 (E), dated 13-12-2004	1st April, 201
20	Fuel tanks	SI.No.7 of Table of S.O. 1365 (E), dated 13-12-2004. SI No. 6 of Rule 124-A	1st April, 201
21	Reflective tapes	Rule 104(1)	1st April, 201
22	High Security Registration Plate	Rule 50	1 st April, 201

23	Traction Battery for Electric Power train Vehicles	Sr. No's 26 and 49 of the Table, Sr. No's 18 and 32 of Table A and Sr. No's 4 and 6 of Table B of the notification number S.O. 1365 (E), dated 13-12-2004.	31st March, 2
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[Provided that the component manufacturers shall comply with the requirements six months prior to the date mentioned in column \(4\) above.](#)

1. [The Central Government may, from time to time, specify, by notification in the Official Gazette, the standards or the relevant standards specified by the Bureau of Indian Standards of any part, component or assembly to be used in the manufacture of a vehicle including construction equipment vehicle and the date from which such parts, components or assemblies are to be used in the manufacture of such vehicle.] : Rule 124 substituted by G.S.R. 338(E), dated 26-3-1993(w.e.f. 26-3-1993) [Download GSR 338(E)]nd Sub-R. (1) substituted by G.S.R. 116(E), dated 27-2-2002 (w.e.f 27-8-2002).
2. [Provided that any notification issued under this sub-rule before the commencement of the Central Motor Vehicles (6th Amendment) Rules, 2001, shall not be applicable after such commencement upto and including 26th August, 2002 in respect of any construction equipment.] : Inserted by G.S.R. 675(E), dated 17-9-2001 (w.e.f 17-9-2001) [Download GSR 675(E)]
3. [Provided that the vehicle manufacturers shall ensure the fitment of the rear under run protective device in vehicles of categories N2, N3 and their trailers except special purpose vehicles namely tractors and tippers at their end and lateral under run protective device either at their factory or at their dealers end. Vehicle not fitted with such devices shall not be registered under these rules. They shall also ensure to supply necessary kits if the fitment is not done by them in the case of lateral under-run protective device: : Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
4. : Inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
5. Provided further that the rear under run protective device shall also be painted with yellow and white zebra stripes on the entire rear face of the device.] : Inserted by G.S.R

589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

6. [The general requirements of vehicle rear under run protecting device and the technical requirements of vehicle lateral protection side shall be as per IS:14812-2000 specifications and as per IS:14682-1999, respectively, as may be amended from time to time, for the motor vehicles of categories mentioned therein.] : Substituted by GSR 291(E), dt. 24/04/2014 (w.e.f. 24/04/2014). [Download GSR 291(E)]

7. [There shall not be any requirements regarding fitment of rear under run protection device and lateral protection device in modular hydraulic trailer. : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

8. : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

9. (1C) "T" signs, wherever used on modular hydraulic trailers, shall comply with IS: 9942 :1982.] : Substituted by GSR 212(E), dt. 20/03/2015 (w.e.f. 20/03/2015). [Download GSR 212(E)]

10. [Every manufacturer shall get the prototype of the part, component or sub-assembly for which standards have been notified, approved from any agency as referred to in rule 126 or the Central Institute of Road Transport, Pune or in case of compliance with notified Indian Standards from any laboratory duly authorized by the Bureau of Indian Standards. On the basis of such approval, every manufacturer shall also certify compliance with the provisions of this rule in Form22.] : Substituted by G.S.R. 214(E), dated 18-3-1999(w.e.f. 18-3-1999) [Download GSR 338(E)]

11. [In case of E-rickshaw or E-cart, the registered E-rickshaw or E-cart Association or manufacturer producing E-rickshaw or E-cart shall get the prototype of the part, component or sub-assembly for which standards have been notified, approved from any agency as referred to in rule 126 or the Central Institute of Road Transport, Pune, or in case of compliance with notified Indian Standards from any laboratory duly authorised by the Bureau of Indian Standards, and on the basis of such approval, the E-rickshaw or E-cart association or manufacturer shall also certify compliance with the provisions of this rule in Form 22.] : Inserted by G.S.R. 27(E), dated 13-1-2015 (w.e.f 13-1-2015). [Download GSR 27(E)]

12. [The Central Government may, by notification in the Official Gazette, frame a Scheme for marking to be affixed on any part or component or assembly to be used in the manufacture of the vehicle and specify the date from which such parts, components or assemblies are to be used in the manufacture of the vehicle.] : Inserted by

G.S.R.221(E), dated 28-3-2001 (w.e.f.28-3-2001) [Download GSR 221(E)]

13. [The procedure for type approval and establishing conformity of production for components, listed in table below, shall be in accordance with AIS:037-2004 till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).] : Inserted by G.S.R.784(E), dated 12-11-2008(w.e.f.12-11-2008). [Download GSR 784(E)]

14. TABLE : Inserted by G.S.R.784(E), dated 12-11-2008(w.e.f.12-11-2008). [Download GSR 784(E)]

15. Device for indirect vision : Substituted for "rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]

16. Traction Battery for Electric : Inserted by G.S.R. 888(E), dated 19-12-2022(w.e.f.19-12-2022). [Download GSR 888(E)]

17. Power train Vehicles : Inserted by G.S.R. 888(E), dated 19-12-2022(w.e.f.19-12-2022). [Download GSR 888(E)]

18. Provided that the component manufacturers shall comply with the requirements six months prior to the date mentioned in column (4) above. : Inserted by G.S.R.784(E), dated 12-11-2008(w.e.f.12-11-2008). [Download GSR 784(E)]

Rule 124-A ~ Safety standards of components for agricultural tractors and Combine harvesters.

(1) [The bulbs of the following lamps used on agricultural tractors and combine harvesters shall conform to AIS: 034-2010, as amended from time to time.]

- a. Head light main and dip;
- b. Parking light;
- c. Direction indicator lamp;
- d. Tail lamp
- e. Reversing lamp
- f. Stop lamp
- g. Rear Registration mark indicating lamp; and
- h. Top light

(1A) [The bulbs of the lighting and light-signaling devices specified in sub-rule (1) used on agriculture tractors manufactured on and after the 1st day of October, 2019, shall conform to AIS-034 (Part 1) (Rev.1). 2010 standard as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016);

Provided that S1 and C21 category of bulbs specified in AIS-034 (Parts 1)(Rev.1):2010 standard shall not be used in lighting and light-signaling devices of agriculture tractors manufactured on and after 1st day of October, 2019.

Provided further that R2 categories of bulbs specified in AIS-034 (Parts 1)(Rev.1):2010 standard shall not be used in headlamps of agriculture tractors manufactured on and after 1st day of October, 2019.]

(2) The lighting and light signalling devices for agricultural tractor and combine harvesters shall be in accordance with AIS:030, as amended from time to time, till such time the corresponding BIS standard is notified.

Provided that the performance requirements of the lighting, light signalling and indicating systems of agricultural tractor and combine harvesters manufactured on and from 1st October, 2005 shall be in accordance with safety standard AIS:062, as amended from time to time, till such time corresponding BIS standards are notified.

[Provided further that the performance requirements of the lighting and light-signaling devices of agricultural tractors manufactured on and after the 1st day of April, 2017 shall be in accordance with AIS:062 (Rev.1): 2014, as amended from time to time, till such time corresponding BIS standards are notified:]

Provided further that the performance of rear warning triangle fitted on agricultural tractors and combine harvesters manufactured on and after the 1st day of April, 2009, shall be in accordance with AIS:088-2005, except for clause 1.4.3 of Annexure 6 therein till such time corresponding BIS standards are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

[Provided also that in case of combine harvesters, if the shape of body work makes it impossible to comply with the height requirement of Installation of the following lighting and light-signalling devices, it shall be allowed at a height not exceeding 3000 mm.

- i. Dipped-beam headlamp (Ref. clause 6.2.4.2)*
- ii. (ii)Front direction indicator lamp (ref. clause 6.5.4.2.3)*
- iii. (iii)Front position lamp (Ref. clause 6.9.4.2)*
- iv. (iv)Front parking lamp (Ref. clause 6.12.4.2)*

***Note.** – Reference clause numbers of AIS-030:2001:

Provided also that the performance requirements of the lighting, light signalling and indicating systems of combine harvester shall be in accordance with safety standards AIS:062-2004, as amended from time to time, till such time as the corresponding Bureau of Indian Standards are notified.

Provided also that the performance of rear warning triangle fitted on combine harvester shall be accordance with AIS:088-2005, except clause 1.4.3 of Annexure 6 therein, as amended from time to time, till such time the corresponding Bureau of Indian Standards are notified.]

(2A) [The lighting and light-signaling device of agricultural tractors manufactured on and after the 1st day of October 2019, shall be in accordance with AIS-030 (Rev. 1): 2012 standard as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).]

(3) The hydraulic brake hoses wherever used in agricultural tractors and combine harvester] and its trailer shall be in accordance with [IS:7079-2008], as amended from time to time.

(4) The vegetable, no-mineral based hydraulic fluids wherever used in agricultural tractor and combine harvester] shall be in accordance with IS:8654-1986, as amended from time to time.

(5) [The tow hook wherever used in agricultural tractor [and combine harvester] shall be in accordance with IS:12362 (part 2), as amended from time to time.]

(5A) On and after the 1st day of October, 2019, [the mechanical coupling device where ever provided for agricultural tractor] shall be in accordance with AIS-091(Part 2): 2012 standard as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act.

(5B) [On and after the 1st day of October, 2019, the front coupling device where ever provided for agricultural tractor shall be in accordance with AIS-109: 2012 standard as

amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).]

(6) [The fuel tank of agricultural tractor shall conform to AIS: 104-2008, as amended from time to time.]

(7) The wheel nuts and hub cubs used in agricultural tractor [and combine harvester] shall be in accordance with IS: 13942-1994, amended from time to time.

(8) On and after the [1st October, 2013] the ballast mass, wherever used in agricultural tractor, shall conform to AIS 105: 2008, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(9) On and after the [1st October, 2013], the protective structures, wherever provided in agricultural tractor, shall conform to IS: 11821 (Part 1) -1992 or IS:11821 (Part 2)-1992, as the case may be.

(10) On and after the [1st October, 2013], the load platform, wherever used in agricultural tractors, shall conform to AIS: 106-2009, amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(11) On and after the [1st October, 2013], the attendants' seat, wherever used in agricultural tractors, shall conform to AIS: 111-2009, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(12) On and after the [1st April, 2014], for agricultural tractors, the driver's field of vision shall conform to AIS: 107-2009, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

(13) [On and after 1st April, 2015, for agricultural tractors, the maximum design speed shall be in accordance with AIS-116-2009.]

1. [The bulbs of the following lamps used on agricultural tractors and combine harvesters shall conform to AIS: 034-2010, as amended from time to time. : Substituted by G.S.R.212 (E), dated 20-3-2015 (w.e.f. 1-4-2015). [Download GSR 212(E)]
2. [The bulbs of the lighting and light-signaling devices specified in sub-rule (1) used on agriculture tractors manufactured on and after the 1st day of October, 2019, shall conform to AIS-034 (Part 1) (Rev.1). 2010 standard as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian

Standards Act, 2016 (11 of 2016); : Inserted by G.S.R. 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018). [Download GSR 1192(E)]

3. Provided that S1 and C21 category of bulbs specified in AIS-034 (Parts 1) (Rev.1):2010 standard shall not be used in lighting and light-signaling devices of agriculture tractors manufactured on and after 1st day of October, 2019. : Inserted by G.S.R. 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018). [Download GSR 1192(E)]

4. Provided further that R2 categories of bulbs specified in AIS-034 (Parts 1) (Rev.1):2010 standard shall not be used in headlamps of agriculture tractors manufactured on and after 1st day of October, 2019.] : Inserted by G.S.R. 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018). [Download GSR 1192(E)]

5. [Provided further that the performance requirements of the lighting and light-signaling devices of agricultural tractors manufactured on and after the 1st day of April, 2017 shall be in accordance with AIS:062 (Rev.1): 2014, as amended from time to time, till such time corresponding BIS standards are notified: : Inserted by G.S.R. 880(E), dated 14-09-2016, (w.e.f. 14-09-2016). [Download GSR 880(E)]

6.] : Inserted by G.S.R. 880(E), dated 14-09-2016, (w.e.f. 14-09-2016). [Download GSR 880(E)]

7. [Provided also that in case of combine harvesters, if the shape of body work makes it impossible to comply with the height requirement of Installation of the following lighting and light-signalling devices, it shall be allowed at a height not exceeding 3000 mm. : Inserted by G.S.R.212 (E), dated 20-3-2015 (w.e.f. 1-4-2015). [Download GSR 212(E)]

8. Dipped-beam headlamp (Ref. clause 6.2.4.2)* (ii)Front direction indicator lamp (ref. clause 6.5.4.2.3)* (iii)Front position lamp (Ref. clause 6.9.4.2)* (iv)Front parking lamp (Ref. clause 6.12.4.2)* *Note. – Reference clause numbers of AIS-030:2001: Provided also that the performance requirements of the lighting, light signalling and indicating systems of combine harvester shall be in accordance with safety standards AIS:062-2004, as amended from time to time, till such time as the corresponding Bureau of Indian Standards are notified. : Inserted by G.S.R.212 (E), dated 20-3-2015 (w.e.f. 1-4-2015). [Download GSR 212(E)]

9. Provided also that the performance of rear warning triangle fitted on combine harvester shall be accordance with AIS:088-2005, except clause 1.4.3 of Annexure 6 therein, as amended from time to time, till such time the corresponding Bureau of Indian Standards are notified.] : Inserted by G.S.R.212 (E), dated 20-3-2015 (w.e.f. 1-4-2015). [Download GSR 212(E)]

10. [The lighting and light-signaling device of agricultural tractors manufactured on and after the 1st day of October 2019, shall be in accordance with AIS-030 (Rev. 1): 2012 standard as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).] : Inserted by G.S.R. 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018). [Download GSR 1192(E)]
11. [The tow hook wherever used in agricultural tractor [and combine harvester] shall be in accordance with IS:12362 (part 2), as amended from time to time.] : Inserted by G.S.R. 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018). [Download GSR 1192(E)]
12. [the mechanical coupling device where ever provided for agricultural tractor] : Inserted by G.S.R. 457(E), dated 20-07-2020 (w.e.f. 20-07-2020). [Download GSR 457(E)]
13. [On and after the 1st day of October, 2019, the front coupling device where ever provided for agricultural tractor shall be in accordance with AIS-109: 2012 standard as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).] : Inserted sub rule 5A & 5B by G.S.R. 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018). [Download GSR 1192(E)]
14. [The fuel tank of agricultural tractor shall conform to AIS: 104-2008, as amended from time to time.] : Substituted by G.S.R. 291(E), dated 24-4-2014, on and after 1-4-2015. [Download GSR 291(E)]
15. [1st October, 2013] : Substituted for "1st October 2012" by G.S.R. 664(E), dt. 27-09-2013 (w.e.f. 27-09-2013). [Download GSR 664(E)]
16. [1st October, 2013], : Substituted for "1st October 2012" by G.S.R. 664(E), dt. 27-09-2013 (w.e.f. 27-09-2013). [Download GSR 664(E)]
17. [1st October, 2013], : Substituted for "1st October 2012" by G.S.R. 664(E), dt. 27-09-2013 (w.e.f. 27-09-2013). [Download GSR 664(E)]
18. [1st October, 2013], : Substituted for "1st October 2012" by G.S.R. 664(E), dt. 27-09-2013 (w.e.f. 27-09-2013). [Download GSR 664(E)]
19. [1st April, 2014], : Substituted for "1st October 2012" by G.S.R. 664(E), dt. 27-09-2013 (w.e.f. 27-09-2013). [Download GSR 664(E)]
20. [On and after 1st April, 2015, for agricultural tractors, the maximum design speed shall be in accordance with AIS-116-2009.] : Inserted by G.S.R. 291(E), dated 24-4-2014 (w.e.f. 24-4-2014). [Download GSR 291(E)]

Rule 124-B ~ Safety Standards of components for power tillers.

(1) [For power tillers manufactured on and after the 1st day of October, 2019, the bulbs used for lighting and light signaling for devices on power trillers:-

- a. The head light main and dip;
- b. The parking light;
- c. The direction indicator lamp;
- d. The tail lamp;
- e. The reversing lamp;
- f. The stop lamp;
- g. The rear Registration mark illuminating lamp,

shall be in accordance with AIS:034(Part 1)(Rev.1):2010 standard as amended from time to time till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).

Provided that S1 and C21 category of bulbs specified in AIS-034 (Parts 1)(Rev.1):2010 standard shall not be used in lighting and light-signaling devices of agriculture tractors manufactured on and after 1st day of October, 2019:

Provided further that R2 categories of bulbs specified in AIS-034 (Parts 1)(Rev.1):2010 standard shall not be used in headlamps of agriculture tractors manufactured on and after 1st day of October, 2019

(2) The lighting and signalling devices shall be in accordance with AIS:062:2004 as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(3) The safety and comfort of the operator of a power tiller shall be in accordance with IST 2239 (Part 3):1996, as amended from time to time.

(4) The gradeability of a power tiller coupled to a trailer under the declared combination weight by the manufacturer shall be in accordance with IS:9980:1988, as amended from time to time.]

1. [For power tillers manufactured on and after the 1st day of October, 2019, the bulbs used for lighting and light signaling for devices on power trillers:- : Rule 124B substituted by G.S.R. 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018), which was inserted by GSR 589(E). [Download GSR 1192(E)]

Rule 124-C ~ Safety Standards of components for Construction Equipment Vehicles (CEV).

[Construction equipment vehicles, shall comply with the provisions of AIS-160:

Provided that Part 1 of AIS-160, shall be applicable for construction equipment vehicles, as per scope of AIS-160, manufactured on and after the 1st April, 2021:

Provided further that Part 2 of AIS-160, shall be applicable for construction equipment vehicles, as per scope of AIS-160, manufactured on and after the 1st January, 2025.]

1. [Construction equipment vehicles, shall comply with the provisions of AIS-160: : Rule 124-C Inserted by GSR 673(E), dated 27-10-2020 (w.e.f. 27-10-2020). [Download GSR 673(E)]
2. 1st January, 2025 : Substituted for "1st April 2024" by GSR 163(E), dt. 07/03/2024 (w.e.f. 07/03/2024). [Download GSR 163(E)]

Rule 125 ~ Safety belt, collapsible steering column, auto dipper and padded dash boards.

(1) One year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1993, the manufacturer of every motor vehicle other than motor cycles and three-wheelers [x x x] shall equip every such vehicle with a seat belt for the driver and for the person occupying the front seat.

[Provided that on and after 1st October, 2014, the requirements under this rule shall be applicable to every quadricycle:

Provided further that the requirement for safety belt assembly and safety belt anchorages for quadricycles shall conform to IS 15140: 2003 and IS 15139: 2002, respectively.]

[Provided also that safety belt assemblies and safety belt anchorages, fitted on vehicles of categories M1 and L7 manufactured on and after the 1st day of April 2025, shall conform to IS

15140:2018 and IS 15139:2002 standards, respectively.

Provided also that safety belt assemblies and safety belt anchorages, fitted on vehicles of categories M2, M3 and N manufactured on and after the 1st day of April 2026, shall conform to IS 15140:2018 and IS 15139:2002 standards, respectively.

Provided also that the installation of safety belts and restraint systems on vehicles of categories M1 and L7 manufactured on and after the 1st day of April 2025 and vehicles of categories M2, M3 and N manufactured on and after the 1st day of April 2026 shall conform to IS 16694:2018.]

(1A) [The manufacturer of every motor vehicle of M-1 category shall equip every motor vehicle with a seat belt for a person occupying the front facing rear seat.

Provided that the specifications of Safety Belt Assemblies and Safety Belt Anchorages in motor vehicles shall conform to [IS: 15140-2003 and IS:15139-2002 specifications, respectively.

Provided further that on and after 1st October, 2002, the specification of Safety Belt Assemblies and Safety Belt Anchorages in motor vehicles shall conform to AIS:005- 2000 and AIS:15139- 2002 specifications, respectively.]

[Provided further that for motor vehicles of category M1 manufactured on and after the 1st day of April 2025, the specifications of safety belt assemblies and safety belt anchorages in motor vehicles shall conform to IS 15140:2018 and IS 15139:2002 standards, respectively.

Provided further that the installation of safety belts and restraint systems on vehicles of M1 category manufactured on and after the 1st day of April 2025 shall conform to IS16694:2018.]

(1B) [On and after the 1st day of October, 2009, the front under run protective n (sic) after 1st day of October, 2009 shall comply with the requirements specified in AIS: 069-2006, till the corresponding HIS specifications are dives fitted on N2 and N3 categories of motor vehicles, manufactured o (sic) notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(1C) On and after the 1st day of April, 2009, the temporary cabin fitted on drive away chassis vehicles of Category M and N, manufactured on and after the 1st day of October, 2008 that are driven off from the factory premises for purposes of body building, shall comply with the requirements specified in AIS: 070-2004 till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

[Provided that this sub-rule is applicable only to those drive away chassis vehicles driven on road, whenever and wherever, by its own wheels using own power and not applicable to those drive away chassis vehicles that are transported upon trailers or by any other mode of transportation.]

(2) Six months from the date of commencement of the Central Motor Vehicles (Amendment) Rules 1993 all motor vehicles shall be equipped with rear view mirror or device for indirect vision

Provided that-

a. for L5 category (three wheeled vehicles) without body work and L1 and L2 categories (two wheeled vehicles) manufactured on and after the 1st day of October, 2019. The rear view mirror specification and installation requirements shall be as specified in AIS-001 (Part 2) (Rev.1):2011 and AIS-002 (Part 2)(Rev. 1):2011 standard respectively as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016);

b. for L5 category (three wheeled vehicles) with body work manufactured on and after the 1st day of October, 2019, the rear view mirror specification and installations requirements shall be as specified in AIS-001 (Part 1) (Rev. 1): 2011 and AIS-002(Part 1) (Rev.1): 2011 standard respectively, as amended from time to time such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016);

b-1. Inserted by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [[Download GSR 38\(E\)](#)]

c. for M and N category vehicles manufactured on and after the 1st day of October 2019, the rear view mirror specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 1): 2011 and AIS-002 (Part 1) (Rev. 2011 standard respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016)

c-1. Inserted by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [[Download GSR 38\(E\)](#)]

Provided further that, for L7 category vehicles manufactured on and after the 1st day of October, 2019, the rear view mirror specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 1): 2011 and AIS-002 (Part 1) (Rev. 1): 2011 standard

respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016)]

Provided further that, for L7 category vehicles manufactured on and after the twelve months from the date of commencement of the Central Motor Vehicles (Second Amendment) Rules, 2024, the devices for indirect vision specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 2): 2023 and AIS-002 (Part 1) (Rev.2): 2023 standard respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016):

Provided further that on and after the [1st October, 2013], for agricultural tractors, the rear view mirror specifications and installation requirements shall conform to AIS: 001-2001 and AIS: 114-2009 respectively, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

[Provided also that on and after the 1st October, 2019, for agricultural tractors, the rear view mirror specifications and installation requirements shall conform to AIS-001 (Part 1) (Rev.1):2011 and AIS:114-2009 standards respectively as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).]

Provided also that for agricultural tractors manufactured on and after the twelve months from the date of commencement of the Central Motor Vehicles (Second Amendment) Rules, 2024, the devices for indirect vision specifications and installation requirements shall conform to AIS-001(Part 1) (Rev.2): 2023 and AIS:114-2009 standards respectively as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016):

[Provided also that on and from the 1st April 2017, articulated or truck-trailer or tractor trailer vehicles engaged by automobile manufactures to carry motor vehicles from their factories to different sale outlets in the country, shall be equipped with a rear surveillance camera-monitoring device or rear view camera.]

(3) [x x x x]

(4) [x x x x]

(5) On and after 1st January, 2003, the size and specifications on seats, their Anchorages and Head Restraints (excluding luggage retention) on M-1 vehicle category shall conform to 66b[IS:15546-2005].

(6) On and from the 1st day of October, 2007, the seats, their anchorages and their head restraints for M2, M3, N1, N2 and N3 category of vehicles, shall be in accordance with AIS:023:2005 as amended from time to time till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(7) [On and after 1st October, 2014, the seats, their anchorages and their head restraints for quadricycles shall be in accordance with the specifications of vehicle group B as specified in AIS: 023:2005 as amended from time to time till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

(8) [Motor vehicles of category M1 excluding transport vehicles and special purpose vehicles manufactured on and after 1st April, 2015, shall have a provision for installation of at least one category of child restraint system for all weight groups on at least one of the seating positions, as specified in AIS: 072-2009, as amended from time to time, till the corresponding bureau of Indian Standards Act, 1986 (63 of 1986).]

Provided that the manufacturer or importer or dealer of the child restraint system shall provide the guidelines for fitment and use of such system to the buyer of such vehicles.

Provided further that for such vehicles, vehicle manufacturer or importer or dealer of the motor vehicle shall provide the guidelines for recommended position in the vehicle.]

(9) [Motor vehicles of category M1, manufactured on and after the 1st day of July, 2019, shall comply with the additional safety features and its requirements stipulated in AIS-145-2018, as amended from time to time.]

Provided that the vehicles of category M1, manufactured on and after the 1st day of April 2025, shall meet the requirement of safety belt reminder for all front facing rear seats as per AIS-145-2018.

(9A) [Notwithstanding anything contained in sub rule (9), vehicles manufactured on and after the 1st Day of April, 2021, in the case of new models, and 31st December, 2021, in the case of existing models, shall be fitted with airbag for the person occupying the front seat, other than the driver and the requirement for such airbag shall be as per AIS 145, as amended from time

to time, till the corresponding Bureau of Indian Standards (BIS) specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).]

(10) [Vehicles of Category M2, Category M3 and Category N (except tractors including puller tractor for semi-trailers, trailers and modular hydraulic trailers), manufactured on and after the 1st April, 2020, shall be fitted with the vehicle reverse parking alert system c o m p l y i n g with the requirements of AIS-145:2018, as amended from time to time, till the corresponding Bureau of Indian Standards (BIS) specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016);

(11) Safety provisions for occupant of three wheeled vehicles:On and after the 1st day of April, 2020, the safety provisions for occupant of three wheeled vehicles shall conform to provisions specified in AIS-134:2016, as amended from time to time till the corresponding Bureau of Indian Standards (BIS) specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).]

1. [x x x] : Omitted the words "of engine capacity not exceeding 500 cc" by G.S.R. 276(E), dated 10-04-2007 (w.e.f. 10-04-2007) [Download GSR 276(E)]
2. [Provided that on and after 1st October, 2014, the requirements under this rule shall be applicable to every quadricycle: : Inserted by G.S.R. 99(E), dated 19-02-2014 (w.e.f. 19-02-2014). [Download GSR 99(E)]
3. : Inserted by G.S.R. 99(E), dated 19-02-2014 (w.e.f. 19-02-2014). [Download GSR 99(E)]
4. Provided further that the requirement for safety belt assembly and safety belt anchorages for quadricycles shall conform to IS 15140: 2003 and IS 15139: 2002, respectively.] : Inserted by G.S.R. 99(E), dated 19-02-2014 (w.e.f. 19-02-2014). [Download GSR 99(E)]
5. [Provided also that safety belt assemblies and safety belt anchorages, fitted on vehicles of categories M1 and L7 manufactured on and after the 1st day of April 2025, shall conform to IS 15140:2018 and IS 15139:2002 standards, respectively. : Inserted by G.S.R. 514(E), dated 14-08-2024 (w.e.f. 14-08-2024). [Download GSR 514(E)]
6. Provided also that safety belt assemblies and safety belt anchorages, fitted on vehicles of categories M2, M3 and N manufactured on and after the 1st day of April 2026, shall conform to IS 15140:2018 and IS 15139:2002 standards, respectively. : Inserted by G.S.R. 514(E), dated 14-08-2024 (w.e.f. 14-08-2024). [Download GSR 514(E)]

7. Provided also that the installation of safety belts and restraint systems on vehicles of categories M1 and L7 manufactured on and after the 1st day of April 2025 and vehicles of categories M2, M3 and N manufactured on and after the 1st day of April 2026 shall conform to IS 16694:2018.] : Inserted by G.S.R. 514(E), dated 14-08-2024 (w.e.f. 14-08-2024). [Download GSR 514(E)]

8. [The manufacturer of every motor vehicle of M-I category shall equip every motor vehicle with a seat belt for a person occupying the front facing rear seat. : ISubstituted by G.S.R 400(E) dtd. 31/05/2002 (w.e.f. 31/05/2002) which was inserted by G.S.R.221(E), dated 28-3-2001 [Download GSR 400(E), Download GSR 221(E)]

9. [Provided further that for motor vehicles of category M1 manufactured on and after the 1st day of April 2025, the specifications of safety belt assemblies and safety belt anchorages in motor vehicles shall conform to IS 15140:2018 and IS 15139:2002 standards, respectively. : Inserted by G.S.R. 514(E), dated 14-08-2024 (w.e.f. 14-08-2024). [Download GSR 514(E)]

10. : Inserted by G.S.R. 514(E), dated 14-08-2024 (w.e.f. 14-08-2024). [Download GSR 514(E)]

11. Provided further that the installation of safety belts and restraint systems on vehicles of M1 category manufactured on and after the 1st day of April 2025 shall conform to IS16694:2018.] : Inserted by G.S.R. 514(E), dated 14-08-2024 (w.e.f. 14-08-2024). [Download GSR 514(E)]

12. [On and after the 1st day of October, 2009, the front under run protective n (sic) after 1st day of October, 2009 shall comply with the requirements specified in AIS: 069-2006, till the corresponding HIS specifications are dives fitted on N2 and N3 categories of motor vehicles, manufactured o (sic) notified under the Bureau of Indian Standards Act, 1986 (63 of 1986). : Inserted by G.S.R. 784(E), dated 12-11-2008 (w.e.f. 12-11-2008). [Download GSR 784(E)]

13. : Inserted by G.S.R. 784(E), dated 12-11-2008 (w.e.f. 12-11-2008). [Download GSR 784(E)]

14. (1C) On and after the 1st day of April, 2009, the temporary cabin fitted on drive away chassis vehicles of Category M and N, manufactured on and after the 1st day of October, 2008 that are driven off from the factory premises for purposes of body building, shall comply with the requirements specified in AIS: 070-2004 till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).] : Inserted by G.S.R. 784(E), dated 12-11-2008 (w.e.f. 12-11-2008).

[Download GSR 784(E)]

15. [Provided that this sub-rule is applicable only to those drive away chassis vehicles driven on road, whenever and wherever, by its own wheels using own power and not applicable to those drive away chassis vehicles that are transported upon trailers or by any other mode of transportation.] : Inserted by G.S.R. 121(E), dated 10-02-2017 (w.e.f. 10-02-2017). [Download GSR 121(E)]

16. with rear view mirror or device for indirect vision : Substituted for "rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]

17. Provided that- : for L5 category (three wheeled vehicles) with body work manufactured on and after the twelve months from the date of commencement of the Central Motor Vehicles (Second Amendment) Rules, 2024, the device for indirect vision specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 2): 2023 and AIS-002 (Part 1) (Rev. 2): 2023 standard respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016);

18. for L5 category (three wheeled vehicles) without body work and L1 and L2 categories (two wheeled vehicles) manufactured on and after the 1st day of October, 2019. The rear view mirror specification and installation requirements shall be as specified in AIS-001 (Part 2) (Rev.1):2011 and AIS-002 (Part 2)(Rev. 1):2011 standard respectively as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016); for L5 category (three wheeled vehicles) with body work manufactured on and after the 1st day of October, 2019, the rear view mirror specification and installations requirements shall be as specified in AIS-001 (Part 1) (Rev. 1): 2011 and AIS-002(Part 1) (Rev.1): 2011 standard respectively, as amended from time to time such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016); : for L5 category (three wheeled vehicles) with body work manufactured on and after the twelve months from the date of commencement of the Central Motor Vehicles (Second Amendment) Rules, 2024, the device for indirect vision specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 2): 2023 and AIS-002 (Part 1) (Rev. 2): 2023 standard respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016);

19. b-1. : for L5 category (three wheeled vehicles) with body work manufactured on and

after the twelve months from the date of commencement of the Central Motor Vehicles (Second Amendment) Rules, 2024, the device for indirect vision specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 2): 2023 and AIS-002 (Part 1) (Rev. 2): 2023 standard respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016);

20. for M and N category vehicles manufactured on and after the 1st day of October 2019, the rear view mirror specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 1): 2011 and AIS-002 (Part 1) (Rev. 2011 standard respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016) :

for M and N category vehicles manufactured on and after the twelve months from the date of commencement of the Central Motor Vehicles (Second Amendment) Rules, 2024, the devices for indirect vision specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 2): 2023 and AIS-002 (Part 1) (Rev. 2): 2023 standard respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016):

21. c-1. : for M and N category vehicles manufactured on and after the twelve months from the date of commencement of the Central Motor Vehicles (Second Amendment) Rules, 2024, the devices for indirect vision specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 2): 2023 and AIS-002 (Part 1) (Rev. 2): 2023 standard respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016):

22. : Inserted by G.S.R. 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018). [Download GSR 1192(E)]

23. Provided further that, for L7 category vehicles manufactured on and after the 1st day of October, 2019, the rear view mirror specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 1): 2011 and AIS-002 (Part 1) (Rev. 1): 2011 standard respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016)] :

Inserted by G.S.R. 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018). [Download GSR 1192(E)]

24. Provided further that, for L7 category vehicles manufactured on and after the twelve

months from the date of commencement of the Central Motor Vehicles (Second Amendment) Rules, 2024, the devices for indirect vision specification and installation requirements shall be as specified in AIS-001 (Part 1) (Rev. 2): 2023 and AIS-002 (Part 1) (Rev.2): 2023 standard respectively, as amended from time to time, till such time corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016): : Inserted by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024).

[Download GSR 38(E)]

25. [1st October, 2013], : Substituted for "01-10-2012" by vide Not. No. RT-11028/09/2008 MVL dt. 27-09-2013 (w.e.f. 27-09-2013)

26. [Provided also that on and after the 1st October, 2019, for agricultural tractors, the rear view mirror specifications and installation requirements shall conform to AIS-001 (Part 1)(Rev.1):2011 and AIS:114-2009 standards respectively as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).] : Inserted by G.S.R. 1192(E), dated 10-12-2018 (w.e.f. 10-12-2018). [Download GSR 1192(E)]

27. Provided also that for agricultural tractors manufactured on and after the twelve months from the date of commencement of the Central Motor Vehicles (Second Amendment) Rules, 2024, the devices for indirect vision specifications and installation requirements shall conform to AIS-001(Part 1) (Rev.2): 2023 and AIS:114-2009 standards respectively as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016): : Inserted by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]

28. [Provided also that on and from the 1st April 2017, articulated or truck-trailer or tractor trailer vehicles engaged by automobile manufactures to carry motor vehicles from their factories to different sale outlets in the country, shall be equipped with a rear surveillance camera-monitoring device or rear view camera.] : Substituted by G.S.R. 121(E), dated 10-12-2017 (w.e.f. 10-02-2017). [Download GSR 121(E)]

29. [x x x x] : Sub-R. (3) omitted by G.S.R. 29(E), dated 15-1-1998 (w.e.f. 15-1-1998)

30. [x x x x] : Sub-R. (4) omitted by G.S.R. 659(E), dated 12-9-2001(w.e.f. 12-9-2001)

31. [On and after 1st October, 2014, the seats, their anchorages and their head restraints for quadricycles shall be in accordance with the specifications of vehicle group B as specified in AIS: 023:2005 as amended from time to time till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).] : Inserted by G.S.R. 99(E), dated 19-02-2014 (w.e.f 01-10-2014). [Download GSR 99(E)]

32. [Motor vehicles of category M1 excluding transport vehicles and special purpose vehicles manufactured on and after 1st April, 2015, shall have a provision for installation of at least one category of child restraint system for all weight groups on at least one of the seating positions, as specified in AOS: 072-2009, as amended from time to time, till the corresponding bureau of Indian Standards Act, 1986 (63 of 1986). :

Substituted by G.S.R. 291(E), dated 24-4-2014 (w.e.f 24-4-2014). [Download GSR 291(E)]

33. Provided that the manufacturer or importer or dealer of the child restraint system shall provide the guidelines for fitment and use of such system to the buyer of such vehicles. : Substituted by G.S.R. 291(E), dated 24-4-2014 (w.e.f 24-4-2014). [Download GSR 291(E)]

34. Provided further that for such vehicles, vehicle manufacturer or importer or dealer of the motor vehicle shall provide the guidelines for recommended position in the vehicle.] : Substituted by G.S.R. 291(E), dated 24-4-2014 (w.e.f 24-4-2014). [Download GSR 291(E)]

35. [Motor vehicles of category M1, manufactured on and after the 1st day of July, 2019, shall comply with the additional safety features and its requirements stipulated in AIS-145-2018, as amended from time to time.] : Inserted by G.S.R. 1483(E), dated 07-12-2017 (w.e.f 07-12-2017). [Download GSR 1483(E)]

36. Provided that the vehicles of category M1, manufactured on and after the 1st day of April 2025, shall meet the requirement of safety belt reminder for all front facing rear seats as per AIS-145-2018. : Inserted by G.S.R. 514(E), dated 14-08-2024 (w.e.f. 14-08-2024). [Download GSR 514(E)]

37. [Notwithstanding anything contained in sub rule (9), vehicles manufactured on and after the 1st Day of April, 2021, in the case of new models, and : Inserted by G.S.R. 148(E),dated 02-03-2021 (w.e.f. 02-03-2021). [Download GSR 148(E)]

38. 31st December, 2021 : Substituted for "31-07-2021" by G.S.R. 595(E),dated 26-08-2021 (w.e.f. 26-08-2021). [Download GSR 595(E)]

39. , : Substituted for "31-07-2021" by G.S.R. 595(E),dated 26-08-2021 (w.e.f. 26-08-2021). [Download GSR 595(E)]

40. in the case of existing models, shall be fitted with airbag for the person occupying the front seat, other than the driver and the requirement for such airbag shall be as per AIS 145, as amended from time to time, till the corresponding Bureau of Indian Standards (BIS) specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of

2016).] : Inserted by G.S.R. 148(E), dated 02-03-2021 (w.e.f. 02-03-2021). [Download GSR 148(E)]

41. [Vehicles of Category M2, Category M3 and Category N (except tractors including puller tractor for semi-trailers, trailers and modular hydraulic trailers), manufactured on and after the 1st April, 2020, shall be fitted with the vehicle reverse parking alert system c o m p l y i n g with the requirements of AIS-145:2018, as amended from time to time, till the corresponding Bureau of Indian Standards (BIS) specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016); : Inserted by G.S.R. 1225(E), dated 20-12-2018 (w.e.f. 20-12-2018). [Download GSR 1225(E)]

42. : Inserted by G.S.R. 1225(E), dated 20-12-2018 (w.e.f. 20-12-2018). [Download GSR 1225(E)]

43. (11) Safety provisions for occupant of three wheeled vehicles: On and after the 1st day of April, 2020, the safety provisions for occupant of three wheeled vehicles shall conform to provisions specified in AIS-134:2016, as amended from time to time till the corresponding Bureau of Indian Standards (BIS) specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).] : Inserted by G.S.R. 1225(E), dated 20-12-2018 (w.e.f. 20-12-2018). [Download GSR 1225(E)]

Rule 125-A ~ Safety belt, etc., for construction equipment vehicles and combine harvester.

One year from the date of commencement of the Central Motor Vehicle (sixth Amendment) Rules, 2000, the manufacturer of every construction equipment vehicle other than an agriculture tractor shall equip every such vehicle with a seat belt for the driver and for the person occupying the front seat, and with a [rear-view mirror or device for indirect vision](#).

[\[Provided that every combine harvester fitted with a cabin, shall be equipped with a seat belt for the driver and with a rear view mirror or device for indirect vision.\]](#)

1. rear-view mirror or device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]

2. [Provided that every combine harvester fitted with a cabin, shall be equipped with a seat belt for the driver and with a rear view mirror or device for indirect vision.] : Inserted by G.S.R. 212(E), dated 20-3-2015 (w.e.f. 1-4-2015). [Download GSR 212(E)]

Rule 125-B ~ Special requirements for transport vehicles that are driven on hills.

(1) On and from the 1st day of October, 2006, such four wheeled transport vehicles as may be notified by State Governments In the Official Gazette plying on such routes or areas in hilly terrains shall be fitted with fog lamp, power steering, [defrosting] and demisting system and that the State Government would provide a lead time of six months for this purpose.

(2) Anti-Lock Braking System shall be introduced in all M-2 category buses including those plying on All India tourist Permit on and from the 1st day of October, 2007 in hill areas.

1. On and from the 1st day of October, 2006, such four wheeled transport vehicles as may be notified by State Governments In the Official Gazette plying on such routes or areas in hilly terrains shall be fitted with fog lamp, power steering, [defrosting] and demisting system and that the State Government would provide a lead time of six months for this purpose. : Rule 125B inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

2. : Rule 125B inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

3. (2) Anti-Lock Braking System shall be introduced in all M-2 category buses including those plying on All India tourist Permit on and from the 1st day of October, 2007 in hill areas. : Rule 125B inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]

Rule 125-C ~ Body building and approval.

Implimentation of Body Codes

(1) On and after the 1st day of October, 2014, the testing and approval for body building of new models of buses with seating capacity of 13 or more poassengers excluding driver shall be in accordance with AIS: 052 (Revision 1)- 2008, as amended from time to time, for vehicles mentioned therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986):

[Provided that the provision of this rule shall be implemented in two phases.

In first phase, the provisions of AIS 052(Rev. 1) – 2008, excluding the parameters and requirements given in Table-1 below, shall be applicable on and after 1st day of January, 2017.

In second phase, the provisions of AIS-052(Rev. 1) – 2008, as amended from time to time, and the parameters and requirements given in (Table-1) below, shall be applicable on and after 1st day of January, 2018.

Provided further that the provisions of AIS-135 shall be applicable to Type III buses, as specified in AIS-052(Rev.1), which are manufactured on and after the 1st October, 2023.

(Table -1) (Additional Technical Provisions of AIS: 052(Rev-1)

<u>SL No</u>	<u>Nature of Test/Parameters</u>	<u>Requirements of Specific Clauses of AIS-052 (Rev.1)</u>
<u>1</u>	<u>Scope and Definitions (As applicable).</u>	<u>1</u>
<u>2</u>	<u>Body Structure Strength</u>	<u>3.1</u>
<u>3</u>	<u>Body Structure Stability</u>	<u>3.2</u>
<u>4</u>	<u>Window Retention</u>	<u>3.6</u>
<u>5</u>	<u>Window Frames</u>	<u>3.6.5.5</u>
<u>6</u>	<u>Wind Screen Wiping System and Driver's field of Vision</u>	<u>3.1</u>
<u>7</u>	<u>Test Methods (As applicable).</u>	<u>Chapter 6</u>
<u>8</u>	<u>Vertical orientation for dipped beam - head lamp</u>	<u>Annexure I, Table with title "Details about Safety Critical Components"</u>
<u>9</u>	<u>Seat Anchorages</u>	

Provided further that, the testing and approval of body building of buses with seating capacity of 13 or more passenger excluding driver, by bus body builder shall be in accordance with AIS:052 (Revision 1)-2008 and shall be a type approved by the Test Agencies specified under rule 126.

(2) The testing and approval for the body building of school buses shall be in accordance with AIS: 063:2005 as amended from time to time for vehicles mentioned therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63of.1986).

Provided that the provisions on fire protection in occupant compartment of AIS-135 shall be applicable to school buses, as specified in AIS-063, which are manufactured on and after the 1st October, 2023.

(3) [All goods vehicles of Category N2 and of Category N3, either manufactured by a vehicle manufacturer or a body builder on drive away chassis vehicles shall, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986) comply with the provisions of AIS-093 (Rev. 1)-2015, as specified in Table I and Table II below, namely:-]

Table I

Sr. No.	Test Parameters	Requirements of Specific Clauses of AIS-093 (Rev.1)
(1)	(2)	(3)
1.	Overall Dimensions	2.1.1
2.	External Projections for cabin	2.1.2
3.	Driver / Co-passenger Door	2.1.3

4.	Climb Facility	2.1.4
5.	Hand Holds	2.1.5
6.	Window on Cab Door	2.1.6
7.	Driver Seat /Co passenger seat	2.1.7
8.	Safety Belt Assemblies and Anchorages	2.1.8
9.	Sleeper Berth	2.1.9
10.	Mudguards / Spray suppression devices	2.1.10
11.	Driver Work Area	2.1.11
12.	Steering Wheel	2.1.12
13.	Placement of Instrument Panel	2.1.13
14.	Position of Controls	2.1.14
15.	Stowage Space	2.1.15
16.	First Aid Box	2.1.16
17.	Truck Cab Structural Strength	2.2.1
18.	Front Under run Protective Device (FUPD)	2.2.2
19.	Cab Mounting Arrangement and Strength Requirements	2.2.3

20.	Protection of the Occupants in the Event of a Lateral Collision	2.2.4
21.	Installation requirements for Lighting & Signaling devices (except for the vertical orientation of the dipped beam)	2.2.5
22.	Rear-view mirror or device for indirect vision	2.2.6
23.	Driver's Work Area	2.2.7
24.	Door Locks & Hinges	2.2.8
25.	Window	2.2.9
26.	Wind Screen and Wind Screen Wiping System	2.2.11
27.	Fire extinguishers	2.2.12
28.	Cab and Body gap	3.2.2
29.	Stowage Space/ Luggage Carrier	3.2.3
30.	Mudguards / Spray Suppression Devices	3.2.4
31.	Protection of the Occupants of Goods-carrying Power-driven Vehicles against the Shifting of Loads	3.4.1
32.	Retro-Reflective Markings for Heavy and Long Vehicles	3.4.5

33.	Lateral Protective device	3.4.6
34.	Rear Under run Protective Device (RUPD)	3.4.7
35.	Internal Lighting	4.1.2
36.	Position of illumination devices	4.1.3
37.	Driver Cab lighting	4.2
38.	Electrical cables	4.3.1
39.	Fuse	4.3.2
40.	Terminals, Connectors and Elements	4.3.3
41.	Safety requirements	4.4
42.	Batteries	4.5
43.	Technical Provisions for Base Vehicles	5.3
44.	Manner of Display of Class Labels and Identification Marks	5.5

Table II

Sr. No.	Nature of Test / Parameters	Requirements of Specific Clauses of AIS-093 (Rev.1)
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1.	Categorization of Truck Load Bodies	3.1
2.	General Requirements	3.2
3.	Overall Dimensions	3.2.1
4.	Rope Hooks and other Provisions	3.2.5
5.	Working Stability	3.3.1
6.	Mounting of the Body or Load Platform of Commercial Vehicles	3.3.2
7.	Body Construction requirements	3.3.3
8.	Securing the Load on the Load body	3.4.2
9.	External Projection	3.4.3
10.	Installation requirements for Lighting & Signaling devices (except for the vertical orientation of the dipped beam)	3.4.4
11.	External Lighting	4.1.1
12.	Type of Bulbs for lamp Assemblies	4.1.4
13.	Technical Provisions for Bodies	5.4
14.	Container Size Designations and Sizes Codes	6.4

15.	Recommendations for Stacking of Load	6.5
16.	Twist Locks	6.6
17.	Container securing arrangements	6.7
18.	Attaching Sub-frames and Bodies	6.8
19.	Tanker Mounting	6.9
20.	Stability Criteria	7.5
21.	Modification of the Vehicle Type and Extension of Approval	7.6
22.	Roll Over Stability / Tilt Table Test Procedure	Annexure - 1
23.	Lateral Stability Calculation	Annexure - 2

(4) The vehicles referred to in sub-rule (3) shall, on and after the 1st day of October, 2018, comply with the provisions of the AIS specified in column (3) of the Table I of the said sub-rule, in respect of the test parameters specified in the corresponding column (2) of the said table.; and on after the 1st day of October, 2019, comply with the provisions of the AIS specified in column (3) of Table II, in respect of the test parameters specified in the corresponding column (2), of the said table:

[Provided that the vehicles, manufacturers on and after the 1st January, 2018 shall be fitted with an air conditioning system for the cabin or with the truck cabin ventilation system in accordance with AIS-056 (Rev.1)2017, as amended from time to time, till the

corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).

Provided further that in regard to the vehicles which are sold in the form of drive-away chassis, the manufacture shall supply a type approved kit of forced ventilation items as defined in AIS-056(Rev.1):2017 to facilitate the body builder in installing the kit as specified with such standard.]

(5)

(6)

(7)

1. Implimentation of Body Codes : Rule 125C inserted by G.S.R 589(E), dated 16-09-2005 (w.e.f. 16-09-2005). [Download GSR 589(E)]
2. On and after the 1st day of October, 2014, the testing and approval for body building of new models of buses with seating capacity of 13 or more poassengers excluding driver shall be in accordance with AIS: 052 (Revision 1)- 2008, as amended from time to time, for vehicles mentioned therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986): : Substituted by G.S.R. 287(E), dated 22-4-2014 (w.e.f 22-4-2014). [Download GSR 287(E)]
3. [Provided that the provision of this rule shall be implemented in two phases. : Substituted by G.S.R. 895(E), dated 20-09-2016 (w.e.f 20-09-2016). [Download GSR 895(E)]
4. In first phase, the provisions of AIS 052(Rev. 1) – 2008, excluding the parameters and requirements given in Table-1 below, shall be applicable on and after 1st day of January, 2017. : Substituted by G.S.R. 895(E), dated 20-09-2016 (w.e.f 20-09-2016). [Download GSR 895(E)]
5. In second phase, the provisions of AIS-052(Rev. 1) – 2008, as amended from time to time, and the parameters and requirements given in (Table-1) below, shall be applicable on and after 1st day of January, 2018. : Substituted by G.S.R. 895(E), dated 20-09-2016 (w.e.f 20-09-2016). [Download GSR 895(E)]
6. Provided further that the provisions of AIS-135 shall be applicable to Type III buses, as specified in AIS-052(Rev.1), which are manufactured on and after the 1st October, 2023. : Sub. by GSR 337(E) dated 28-04-2023 (w.e.f 01-10-2023) which was inserted by GSR 48(E), dtd 27-01-2022. [Download GSR 48(E)]

7. (Table -1) (Additional Technical Provisions of AIS: 052(Rev-1) : Substituted by G.S.R. 895(E), dated 20-09-2016 (w.e.f 20-09-2016). [Download GSR 895(E)]
8. SL No Nature of Test/Parameters Requirements of Specific Clauses of AIS-052 (Rev.1) 1 Scope and Definitions (As applicable) 1 2 Body Structure Strength 3.1 3 Body Structure Stability 3.2 4 Window Retention 3.6 5 Window Frames 3.6.5.5 6 Wind Screen Wiping System and Driver's field of Vision 3.1 7 Test Methods (As applicable) Chapter 6 8 Vertical orientation for dipped beam - head lamp Annexure I, Table with title "Details about Safety Critical Components 9 Seat Anchorages : Substituted by G.S.R. 895(E), dated 20-09-2016 (w.e.f 20-09-2016). [Download GSR 895(E)]
9. Provided further that, the testing and approval of body building of buses with seating capacity of 13 or more passenger excluding driver, by bus body builder shall be in accordance with AIS:052 (Revision 1)-2008 and shall be a type approved by the Test Agencies specified under rule 126. : Inserted by G.S.R. 159(E), dated 06-03-2024 (w.e.f 01-09-2025). [Download GSR 159(E)]
10. Provided that the provisions on fire protection in occupant compartment of AIS-135 shall be applicable to school buses, as specified in AIS-063, which are manufactured on and after the 1st October, 2023. : Sub. by GSR 337(E) dated 28-04-2023 (w.e.f 01-10-2023) which was inserted by GSR 48(E), dtd 27-01-2022. [Download GSR 48(E)]
11. [All goods vehicles of Category N2 and of Category N3, either manufactured by a vehicle manufacturer or a body builder on drive away chassis vehicles shall, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986) comply with the provisions of AIS-093 (Rev. 1)-2015, as specified in Table I and Table II below, namely:-] : Substituted by G.S.R. 1034(E), dated 02-11-2016 (w.e.f. 02-11-2016). [Download GSR 1034(E)]
12. Table I : Substituted by G.S.R. 1034(E), dated 02-11-2016 (w.e.f. 02-11-2016). [Download GSR 1034(E)]
13. Rear-view mirror or device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]
14. Table II : Substituted by G.S.R. 1034(E), dated 02-11-2016 (w.e.f. 02-11-2016). [Download GSR 1034(E)]
15. [Provided that the vehicles, manufacturers on and after the 1st January, 2018 shall be fitted with an air conditioning system for the cabin or with the truck cabin ventilation system in accordance with AIS-056 (Rev.1)2017, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act,

2016 (11 of 2016). : Inserted by G.S.R. 1433(E), dated 20-11-2017 (w.e.f. 20-11-2017).

[Download GSR 1433(E)]

16. : Inserted by G.S.R. 1433(E), dated 20-11-2017 (w.e.f. 20-11-2017). [Download GSR 1433(E)]

17. Provided further that in regard to the vehicles which are sold in the form of drive-away chassis, the manufacture shall supply a type approved kit of forced ventilation items as defined in AIS-056(Rev.1):2017 to facilitate the body builder in installing the kit as specified with such standard.] : Inserted by G.S.R. 1433(E), dated 20-11-2017 (w.e.f. 20-11-2017). [Download GSR 1433(E)]

125C-(1) ~ Bus Body Code.

On and after the 1st day of October, 2014, the testing and approval for body building of new models of buses with seating capacity of 13 or more passengers excluding driver shall be in accordance with AIS: 052 (Revision 1)- 2008, as amended from time to time, for vehicles mentioned therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986):

[Provided that the provision of this rule shall be implemented in two phases.

In first phase, the provisions of AIS 052(Rev. 1) – 2008, excluding the parameters and requirements given in Table-1 below, shall be applicable on and after 1st day of January, 2017.

In second phase, the provisions of AIS-052(Rev. 1) – 2008, as amended from time to time, and the parameters and requirements given in (Table-1) below, shall be applicable on and after 1st day of January, 2018.

Provided further that the provisions of AIS-135 shall be applicable to Type III buses, as specified in AIS-052(Rev.1), which are manufactured on and after the 1st October, 2023.

(Table -1) (Additional Technical Provisions of AIS: 052(Rev-1)

<u>SL No</u>	<u>Nature of Test/Parameters</u>	<u>Requirements of Specific Clauses of AIS-052 (Rev.1)</u>
<u>1</u>	<u>Scope and Definitions (As applicable).</u>	<u>1</u>

2	Body Structure Strength	3.1
3	Body Structure Stability	3.2
4	Window Retention	3.6
5	Window Frames	3.6.5.5
6	Wind Screen Wiping System and Driver's field of Vision	3.1
7	Test Methods (As applicable)	Chapter 6
8	Vertical orientation for dipped beam - head lamp	Annexure I, Table with title "Details about Safety Critical Components"
9	Seat Anchorages	

[Provided further that, the testing and approval of body building of buses with seating capacity of 13 or more passenger excluding driver, by bus body builder shall be in accordance with AIS:052 \(Revision 1\)-2008 and shall be a type approved by the Test Agencies specified under rule 126.](#)

1. On and after the 1st day of October, 2014, the testing and approval for body building of new models of buses with seating capacity of 13 or more passengers excluding driver shall be in accordance with AIS: 052 (Revision 1)- 2008, as amended from time to time, for vehicles mentioned therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986): : Substituted by G.S.R. 287(E), dated 22-4-2014 (w.e.f 22-4-2014). [Download GSR 287(E)]
2. [Provided that the provision of this rule shall be implemented in two phases. : Substituted by G.S.R. 895(E), dated 20-09-2016 (w.e.f 20-09-2016). [Download GSR 895(E)]
3. In first phase, the provisions of AIS 052(Rev. 1) – 2008, excluding the parameters and requirements given in Table-1 below, shall be applicable on and after 1st day of January, 2017. : Substituted by G.S.R. 895(E), dated 20-09-2016 (w.e.f 20-09-2016). [Download

GSR 895(E)]

4. In second phase, the provisions of AIS-052(Rev. 1) – 2008, as amended from time to time, and the parameters and requirements given in (Table-1) below, shall be applicable on and after 1st day of January, 2018. : Substituted by G.S.R. 895(E), dated 20-09-2016 (w.e.f 20-09-2016). [Download GSR 895(E)]

5. Provided further that the provisions of AIS-135 shall be applicable to Type III buses, as specified in AIS-052(Rev.1), which are manufactured on and after the 1st October, 2023. : Sub. by GSR 337(E) dated 28-04-2023 (w.e.f 01-10-2023) which was inserted by GSR 48(E), dtd 27-01-2022. [Download GSR 48(E)]

6. (Table -1) (Additional Technical Provisions of AIS: 052(Rev-1) : Substituted by G.S.R. 895(E), dated 20-09-2016 (w.e.f 20-09-2016). [Download GSR 895(E)]

7. SL No Nature of Test/Parameters Requirements of Specific Clauses of AIS-052 (Rev.1) 1 Scope and Definitions (As applicable) 1 2 Body Structure Strength 3.1 3 Body Structure Stability 3.2 4 Window Retention 3.6 5 Window Frames 3.6.5.5 6 Wind Screen Wiping System and Driver's field of Vision 3.1 7 Test Methods (As applicable) Chapter 6 8 Vertical orientation for dipped beam - head lamp Annexure I, Table with title "Details about Safety Critical Components 9 Seat Anchorages : Substituted by G.S.R. 895(E), dated 20-09-2016 (w.e.f 20-09-2016). [Download GSR 895(E)]

8. Provided further that, the testing and approval of body building of buses with seating capacity of 13 or more passenger excluding driver, by bus body builder shall be in accordance with AIS:052 (Revision 1)-2008 and shall be a type approved by the Test Agencies specified under rule 126. : Inserted by G.S.R. 159(E), dated 06-03-2024 (w.e.f 01-09-2025). [Download GSR 159(E)]

125C-(2) ~ Body Code School bus.

The testing and approval for the body building of school buses shall be in accordance with AIS: 063:2005 as amended from time to time for vehicles mentioned therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63of.1986).

Provided that the provisions on fire protection in occupant compartment of AIS-135 shall be applicable to school buses, as specified in AIS-063, which are manufactured on and after the 1st October, 2023.

1. Provided that the provisions on fire protection in occupant compartment of AIS-135 shall be applicable to school buses, as specified in AIS-063, which are manufactured on and after the 1st October, 2023. : Sub. by GSR 337(E) dated 28-04-2023 (w.e.f 01-10-2023) which was inserted by GSR 48(E), dtd 27-01-2022. [Download GSR 48(E)]

125C-(3) ~ Truck Body Code.

[All goods vehicles of Category N2 and of Category N3, either manufactured by a vehicle manufacturer or a body builder on drive away chassis vehicles shall, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986) comply with the provisions of AIS-093 (Rev. 1)-2015, as specified in Table I and Table II below, namely:-]

Table I

Sr. No.	Test Parameters	Requirements of Specific Clauses of AIS-093 (Rev.1)
(1)	(2)	(3)
1.	Overall Dimensions	2.1.1
2.	External Projections for cabin	2.1.2
3.	Driver / Co-passenger Door	2.1.3
4.	Climb Facility	2.1.4
5.	Hand Holds	2.1.5
6.	Window on Cab Door	2.1.6

7.	Driver Seat /Co passenger seat	2.1.7
8.	Safety Belt Assemblies and Anchorages	2.1.8
9.	Sleeper Berth	2.1.9
10.	Mudguards / Spray suppression devices	2.1.10
11.	Driver Work Area	2.1.11
12.	Steering Wheel	2.1.12
13.	Placement of Instrument Panel	2.1.13
14.	Position of Controls	2.1.14
15.	Stowage Space	2.1.15
16.	First Aid Box	2.1.16
17.	Truck Cab Structural Strength	2.2.1
18.	Front Under run Protective Device (FUPD)	2.2.2
19.	Cab Mounting Arrangement and Strength Requirements	2.2.3
20.	Protection of the Occupants in the Event of a Lateral Collision	2.2.4

21.	Installation requirements for Lighting & Signaling devices (except for the vertical orientation of the dipped beam)	2.2.5
22.	Rear-view mirror or device for indirect vision	2.2.6
23.	Driver's Work Area	2.2.7
24.	Door Locks & Hinges	2.2.8
25.	Window	2.2.9
26.	Wind Screen and Wind Screen Wiping System	2.2.11
27.	Fire extinguishers	2.2.12
28.	Cab and Body gap	3.2.2
29.	Stowage Space/ Luggage Carrier	3.2.3
30.	Mudguards / Spray Suppression Devices	3.2.4
31.	Protection of the Occupants of Goods-carrying Power-driven Vehicles against the Shifting of Loads	3.4.1
32.	Retro-Reflective Markings for Heavy and Long Vehicles	3.4.5
33.	Lateral Protective device	3.4.6

34.	Rear Under run Protective Device (RUPD)	3.4.7
35.	Internal Lighting	4.1.2
36.	Position of illumination devices	4.1.3
37.	Driver Cab lighting	4.2
38.	Electrical cables	4.3.1
39.	Fuse	4.3.2
40.	Terminals, Connectors and Elements	4.3.3
41.	Safety requirements	4.4
42.	Batteries	4.5
43.	Technical Provisions for Base Vehicles	5.3
44.	Manner of Display of Class Labels and Identification Marks	5.5

Table II

Sr. No.	Nature of Test / Parameters	Requirements of Specific Clauses of AIS-093 (Rev.1)
1.	Categorization of Truck Load Bodies	3.1

2.	General Requirements	3.2
3.	Overall Dimensions	3.2.1
4.	Rope Hooks and other Provisions	3.2.5
5.	Working Stability	3.3.1
6.	Mounting of the Body or Load Platform of Commercial Vehicles	3.3.2
7.	Body Construction requirements	3.3.3
8.	Securing the Load on the Load body	3.4.2
9.	External Projection	3.4.3
10.	Installation requirements for Lighting & Signaling devices (except for the vertical orientation of the dipped beam)	3.4.4
11.	External Lighting	4.1.1
12.	Type of Bulbs for lamp Assemblies	4.1.4
13.	Technical Provisions for Bodies	5.4
14.	Container Size Designations and Sizes Codes	6.4
15.	Recommendations for Stacking of Load	6.5

16.	Twist Locks	6.6
17.	Container securing arrangements	6.7
18.	Attaching Sub-frames and Bodies	6.8
19.	Tanker Mounting	6.9
20.	Stability Criteria	7.5
21.	Modification of the Vehicle Type and Extension of Approval	7.6
22.	Roll Over Stability / Tilt Table Test Procedure	Annexure - 1
23.	Lateral Stability Calculation	Annexure - 2

1. [All goods vehicles of Category N2 and of Category N3, either manufactured by a vehicle manufacturer or a body builder on drive away chassis vehicles shall, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986) comply with the provisions of AIS-093 (Rev. 1)-2015, as specified in Table I and Table II below, namely:-] : Substituted by G.S.R. 1034(E), dated 02-11-2016 (w.e.f. 02-11-2016). [Download GSR 1034(E)]
2. Table I : Substituted by G.S.R. 1034(E), dated 02-11-2016 (w.e.f. 02-11-2016). [Download GSR 1034(E)]
3. Rear-view mirror or device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]
4. Table II : Substituted by G.S.R. 1034(E), dated 02-11-2016 (w.e.f. 02-11-2016). [Download GSR 1034(E)]

125C-(4) ~ TBC Cut-off date.

The vehicles referred to in sub-rule (3) shall, on and after the 1st day of October, 2018, comply with the provisions of the AIS specified in column (3) of the Table I of the said sub-rule, in respect of the test parameters specified in the corresponding column (2) of the said table.; and on after the 1st day of October, 2019, comply with the provisions of the AIS specified in column (3) of Table II, in respect of the test parameters specified in the corresponding column (2), of the said table:

[Provided that the vehicles, manufacturers on and after the 1st January, 2018 shall be fitted with an air conditioning system for the cabin or with the truck cabin ventilation system in accordance with AIS-056 (Rev.1)2017, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).]

Provided further that in regard to the vehicles which are sold in the form of drive-away chassis, the manufacture shall supply a type approved kit of forced ventilation items as defined in AIS-056(Rev.1):2017 to facilitate the body builder in installing the kit as specified with such standard.]

1. [Provided that the vehicles, manufacturers on and after the 1st January, 2018 shall be fitted with an air conditioning system for the cabin or with the truck cabin ventilation system in accordance with AIS-056 (Rev.1)2017, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016). : Inserted by G.S.R. 1433(E), dated 20-11-2017 (w.e.f. 20-11-2017). [Download GSR 1433(E)]
2. : Inserted by G.S.R. 1433(E), dated 20-11-2017 (w.e.f. 20-11-2017). [Download GSR 1433(E)]
3. Provided further that in regard to the vehicles which are sold in the form of drive-away chassis, the manufacture shall supply a type approved kit of forced ventilation items as defined in AIS-056(Rev.1):2017 to facilitate the body builder in installing the kit as specified with such standard.] : Inserted by G.S.R. 1433(E), dated 20-11-2017 (w.e.f. 20-11-2017). [Download GSR 1433(E)]

125C-(5) ~ Sleeper coach body code.

On and after expiry of six months from the date of commencement of the Central Motor Vehicles (14th Amendment) Rules, 2016, the testing and approval for body building of sleeper coaches shall be in accordance with AIS-119 (Rev.1):2016, as amended from time to time, for vehicles mentioned therein, till the corresponding Bureau of Indian Standards specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

125C-(6) ~ Double ducked buses body code.

On and after expiry of six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2017, the testing and approval for body building of double ducked buses shall be in accordance with AIS-139:2016, as amended from time to time, for vehicles mentioned therein, till the corresponding Bureau of Indian Standards specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

125C-(7) ~ Fully built buses body code.

(a) Fully built buses, with a seating capacity exceeding 22 passengers excluding driver, manufactured on and after the 1st April 2019, by Original Equipment Manufacturers shall be in accordance with AIS:153, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).”.

(b) The buses approved as per clause (a) shall also comply with the requirements, as specified in the following Table I, namely :-

TABLE I

Sr. No.	Parts/components/ Assemblies/ Performance Parameter	Vehicle Category	Requirements / Standards	Date of commencement
<i>(1)</i>	<i>(2)</i>		<i>(3)</i>	<i>(4)</i>
1	Engine Power to Gross Vehicle Weight	-	> 5 kW/ton	1 st April 2019

2	Acceleration	-	As per AIS:153	1 st April 2019
3	Interior noise level requirements	-	As per AIS:153	1 st April 2019
4	Vibration	-	As per AIS:153	1 st April 2019
5	Harshness	-	As per AIS:153	1 st April 2019
6	Improved Braking Performance, Anti-Lock Braking System (ABS), Electronic Vehicle Stability Control System (EVSC) and Other requirements	-	AIS:150 and AIS:153	1st April 2023
7	Fire Detection, Alarm (FDAS) and Suppression system (FDSS)	-	AIS:135 and AIS:153	1 st April 2019 (Other than school buses) 1 st April 2019 (FDAS for school buses) 1 st April 2020 (FDSS for school buses)
7A	Fire Alarm and Protection system in occupant compartment	Type III buses of category M3 and	AIS-135	1 st October 2023

		school buses		
8	Multiplexing/ electronic architecture	-	As per AIS:153	1 st April 2019”.

(c) [The buses with seating capacity exceeding 22 passenger excluding driver, built by bus body builder shall meet the requirements as per AIS-153.](#)

1. seating capacity exceeding 22 passengers excluding driver, : Substituted for the words "seating capacity of 13 passengers or above excluding driver"by G.S.R. 246(E), dated 29-03-2019 (w.e.f 29-03-2019). [Download GSR 246(E)]
2. 1st April 2023 : Substituted for the words "1st April 2019"by G.S.R. 246(E), dated 29-03-2019 (w.e.f 29-03-2019). [Download GSR 246(E)]
3. Fire Detection, Alarm (FDAS) and Suppression system (FDSS) : Substituted by G.S.R. 246(E), dated 29-03-2019 (w.e.f 29-03-2019). [Download GSR 246(E)]
4. Fire Alarm and Protection system in occupant compartment : Sub. by GSR 337(E) dated 28-04-2023 (w.e.f 01-10-2023) which was inserted by GSR 48(E), dtd 27-01-2022. [Download GSR 48(E)]
5. The buses with seating capacity exceeding 22 passenger excluding driver, built by bus body builder shall meet the requirements as per AIS-153. : Inserted by G.S.R. 159(E), dated 06-03-2024 (w.e.f 01-09-2025). [Download GSR 159(E)]

Rule 125-D ~ Approval of Category T.

(1) [\[On and from the 1st day of April, 2016, the procedure for type approval and certification for Category T vehicles used for transportation of goods shall be in accordance with AIS: 113-2013- code of Practice for Type Approval of Category T, Trailers or Semi-trailers towed by Motor Vehicles of Category N2 and N3, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 \(63 of 1986\).](#)

(2) On and from the 1st day of April, 2016, the following vehicles shall conform to IS: 8007-2004 or AIS: 091 (Part-1) as amended from time to time, for all purposes of inter-

changeability within the permissible Gross Combination Weight of the towing vehicle and the trailer or semi-trailer, namely:-

- a. Vehicles of Category N2 and Category N3 which are authorised to tow Category T;
- b. Category T vehicles which are authorised to be towed by vehicles of Category N2 and Category N3.

(3) On and from the 1st day of April, 2016, the close-coupling devices, wherever used in truck-trailer or tractor-trailer combinations covered under the scope of AIS-113 shall conform to AIS-092- 2009, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

1. [On and from the 1st day of April, 2016, the procedure for type approval and certification for Category T vehicles used for transportation of goods shall be in accordance with AIS: 113-2013- code of Practice for Type Approval of Category T, Trailers or Semi-trailers towed by Motor Vehicles of Category N2 and N3, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986). : Rule 125D inserted by G.S.R. 409(E), dated 8-6-2014 (w.e.f. 8-6-2014). [Download GSR 409(E)]

Rule 125-E ~ Special requirements of motor vehicles transporting livestock.

(1) [On and after, the 1st January, 2016, motor vehicles used for transportation of livestock by road shall be in accordance with the specifications of the Bureau of Indian Standards as provided in IS- 14904: 2007; or IS-5238:2001; or IS-5236:1982, as the case may be, as amended from time to time and the transporter or consigner of the livestock shall follow the code of practise laid down in the respective specification regarding the transport of the livestock.

(2) Subject to sub-rule (1), the motor vehicles for carrying animals shall have permanent partitions in the body of the vehicle so that the animals are carried individually in each partition where the size of the partition shall not be less than the following namely:-

- i. Cows and buffalos = 2 sq.mts.
- ii. Horses and mares = 2.25 sq.mts

iii. Sheep and goat = 0.3 sq.mts.

iv. Pig = 0.6 sq.mts; and

v. Poultry = 40 cm sq.

(3) No motor vehicles meant for carrying animals shall be permitted to carry any other goods, while carrying animals.

(4) The Regional Transport Officer shall issue special licences for the motor vehicles meant for carrying animals on the basis of vehicles modified in accordance with the provisions of sub-rule (2).]

[Provided that nothing in this rule shall apply to a category N vehicles or an agricultural tractor and its trailer, used for local transport of maximum of two milch animals along with their caives.]

1. [On and after, the 1st January, 2016, motor vehicles used for transportation of livestock by road shall be in accordance with the specifications of the Bureau of Indian Standards as provided in IS- 14904: 2007; or IS-5238:2001; or IS-5236:1982, as the case may be, as amended from time to time and the transporter or consigner of the livestock shall follow the code of practise laid down in the respective specification regarding the transport of the livestock. : Rule 125-E inserted by G.S.R. 546(E), dated 08-07-2015(w.e.f. 01-01-2016). [Download GSR 546(E)]
2. [Provided that nothing in this rule shall apply to a category N vehicles or an agricultural tractor and its trailer, used for local transport of maximum of two milch animals along with their caives.] : Inserted by G.S.R. 931(E), dated 27-09-2018(w.e.f. 27-09-2018). [Download GSR 931(E)]

Rule 125-F ~ Type Approval of Road Ambulances of Vehicle categories L and M.

[Road Ambulances of categories L and M manufactured on and after the 1st April, 2018, shall be in accordance with AIS: 125 (Part1)–2014 as amended from time to time, for all types of ambulances specified therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

1. [Road Ambulances of categories L and M manufactured on and after the 1st April, 2018, shall be in accordance with AIS: 125 (Part1)–2014 as amended from time to time, for all types of ambulances specified therein, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).] : Inserted by G.S.R. 868(E) dated 08.09.2016, (w.e.f 08.09.2016). [Download GSR 868(E)]

Rule 125-G ~ Type Approval of Special Purpose Vehicles.

(1) [The Motor Caravans manufactured on and after the 1st April, 2018, shall comply with the requirements stated in AIS-124:2014, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(2) The Motor Caravans built on the existing vehicles as permitted under the clause 0.0 (b) of the said standard shall also comply with AIS-124:2014, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).]

(3) [On and after six months from the date of commencement of Central Motor Vehicles (Eighteenth Amendment) Rules, 2021, motor vehicles modified as Motor Caravans shall comply with AIS 124:2014, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act 2016 (11 of 2016).

(4) On and after six months from the date of commencement of Central Motor Vehicles (Eighteenth Amendment) Rules, 2021, Special Purpose Vehicle, viz. Mobile Canteen, as defined in AIS 163, manufactured by Original Equipment Manufacturers, shall comply with the requirements of AIS 163, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act 2016 (11 of 2016).

(5) On and after six months from the date of commencement of Central Motor Vehicles (Eighteenth Amendment) Rules, 2021, Two Wheeled First Responder – Fire, manufactured by Original Equipment Manufacturer, shall comply with the requirements of AIS 167, as amended from time to time.

(6) On and after one year from the date of commencement of Central Motor Vehicles (Eighteenth Amendment) Rules, 2021, Insulated Vehicle manufactured by Original Equipment Manufacturer, shall comply with the requirements of AIS 164, as amended from time to time,

till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act 2016 (11 of 2016).]

(7) On and after six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2022, Special Purpose Vehicle, viz. Cash Vans, manufactured by Original Equipment Manufacturers, shall comply with the requirements of AIS-163, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).

1. [The Motor Caravans manufactured on and after the 1st April, 2018, shall comply with the requirements stated in AIS-124:2014, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986). : Sub-Rule (1) & (2) inserted by G.S.R. 868(E) dated 08.09.2016, (w.e.f 08.09.2016). [Download GSR 868(E)]
2. [On and after six months from the date of commencement of Central Motor Vehicles (Eighteenth Amendment) Rules, 2021, motor vehicles modified as Motor Caravans shall comply with AIS 124:2014, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act 2016 (11 of 2016). : Sub-Rule (3) to (6) inserted by G.S.R. 596(E) dated 26/08/2021, (w.e.f 26/02/2022). [Download GSR 596(E)]
3. On and after six months from the date of commencement of the Central Motor Vehicles (Third Amendment) Rules, 2022, Special Purpose Vehicle, viz. Cash Vans, manufactured by Original Equipment Manufacturers, shall comply with the requirements of AIS-163, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016). : Inserted by GSR 153(E) Dtd. 23/02/2022 (w.e.f 23/08/2022). [Download GSR 153(E)]

Rule 125-H ~ Provision of vehicle location tracking device and emergency button.

(1) [All public service vehicles, as defined under clause (35) of section 2 of the Act, shall be equipped with or fitted with vehicle location tracking device and one or more emergency buttons: Provided that this rule shall not apply to the following category of vehicles, namely:-

- i. two wheelers;
- ii. [E-rickshaw;

iii. three wheelers;

iv. [x x x]

(2) The specifications, testing and certification of the vehicle location tracking device and emergency button referred to in sub-rule (1) shall be in accordance with AIS-140: 2016, as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986).

(3) The vehicle location tracking device and emergency button referred to in sub-rule (1) shall be fitted by the manufacturer or their dealer or the respective operator, as the case may be, in accordance with AIS-140: 2016, as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986.]

1. [All public service vehicles, as defined under clause (35) of section 2 of the Act, shall be equipped with or fitted with vehicle location tracking device and one or more emergency buttons: Provided that this rule shall not apply to the following category of vehicles, namely:- : Inserted by G.S.R. 1095(E) dated 28-11-2016, (w.e.f 01-04-2018).
[Download GSR 1095(E)]
2. : Inserted by G.S.R. 1095(E) dated 28-11-2016, (w.e.f 01-04-2018). [Download GSR 1095(E)]
3. : Inserted by G.S.R. 1095(E) dated 28-11-2016, (w.e.f 01-04-2018). [Download GSR 1095(E)]
4. : Inserted by G.S.R. 1095(E) dated 28-11-2016, (w.e.f 01-04-2018). [Download GSR 1095(E)]
5. two wheelers; : Inserted by G.S.R. 1095(E) dated 28-11-2016, (w.e.f 01-04-2018).
[Download GSR 1095(E)]
6. [E-rickshaw; : substituted by G.S.R. 808(E), dated 23-10-2019 (w.e.f. 23-10-2019).
[Download GSR 808(E)]
7. : substituted by G.S.R. 808(E), dated 23-10-2019 (w.e.f. 23-10-2019). [Download GSR 808(E)]
8. : substituted by G.S.R. 808(E), dated 23-10-2019 (w.e.f. 23-10-2019). [Download GSR 808(E)]
9. : substituted by G.S.R. 808(E), dated 23-10-2019 (w.e.f. 23-10-2019). [Download GSR 808(E)]

10. three wheelers;] : substituted by G.S.R. 808(E), dated 23-10-2019 (w.e.f. 23-10-2019). [Download GSR 808(E)]
11. [x x x] : Omitted clause "iv. any transport vehicle for which no permit is required under the Act" by G.S.R. 808(E), dated 23-10-2019 (w.e.f. 23-10-2019). [Download GSR 808(E)]
12. The specifications, testing and certification of the vehicle location tracking device and emergency button referred to in sub-rule (1) shall be in accordance with AIS-140: 2016, as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986 (63 of 1986). : Inserted by G.S.R. 1095(E) dated 28-11-2016, (w.e.f 01-04-2018). [Download GSR 1095(E)]
13. : Inserted by G.S.R. 1095(E) dated 28-11-2016, (w.e.f 01-04-2018). [Download GSR 1095(E)]
14. (3) The vehicle location tracking device and emergency button referred to in sub-rule (1) shall be fitted by the manufacturer or their dealer or the respective operator, as the case may be, in accordance with AIS-140: 2016, as amended from time to time, till such time the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 1986.] : Inserted by G.S.R. 1095(E) dated 28-11-2016, (w.e.f 01-04-2018). [Download GSR 1095(E)]

Rule 125-I ~ Modular Hydraulic Trailer.

[\[Modular Hydraulic Trailers shall be in accordance with AIS-158:2020, as amended from time to time, till such time the corresponding BIS specifications are specified under the Bureau of Indian Standards Act, 2016 \(11 of 2016\).\]](#)

1. [Modular Hydraulic Trailers shall be in accordance with AIS-158:2020, as amended from time to time, till such time the corresponding BIS specifications are specified under the Bureau of Indian Standards Act, 2016 (11 of 2016).] : Inserted by G.S.R. 21(E) dated 13-01-2021, (w.e.f 13-01-2021). [Download GSR 21(E)]

Rule 125-J ~ Specific requirements for A6 and A7 category Electric Power Train Agricultural Tractors.

[Electric Power Train Agricultural Tractors of category A6 and A7, shall conform to the requirements of AIS 168:2021, as amended from time of time, till such time as cooresponding](#)

[Indian Standards specifications are notified under the bureau of Indian Standards Act, 2016 \(11 of 2016\).](#)

1. Electric Power Train Agricultural Tractors of category A6 and A7, shall conform to the requirements of AIS 168:2021, as amended from time of time, till such time as cooresponding Indian Standards specifications are notified under the bureau of Indian Standards Act, 2016 (11 of 2016). : Inserted by G.S.R. 342(E) dated 25-05-2021, (w.e.f 25-05-2021). [Download GSR 342(E)]

Rule 125-K ~ Safety requirements for Road Train.

[The procedure for type approval and certification of Road Train, shall be in accordance with AIS-113, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 \(11 of 2016\).](#)

1. The procedure for type approval and certification of Road Train, shall be in accordance with AIS-113, as amended from time to time, till the corresponding BIS specifications are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016). : Inserted by G.S.R. 200(E) dated 14-03-2022, (w.e.f 14-03-2022). [Download GSR 200(E)]

Rule 125-L ~ Specific exemptions for Armoured Vehicles.

(1) [Every armoured vehicle shall comply with the standards laid down in these rules, subject to the exemptions specified in AIS-194:2022, as amended from time to time.](#)

(2) [In this rule, “Armoured Vehicles” means a special purpose vehicle of category M and N which is intended for the protection of conveyed persons or goods with anti-bullet armour plating.](#)

1. Every armoured vehicle shall comply with the standards laid down in these rules, subject to the exemptions specified in AIS-194:2022, as amended from time to time. : Rule 125(L) inserted by G.S.R. 863(E) dated 01-12-2022, (w.e.f 01-12-2022). [Download GSR 863(E)]

2. : Rule 125(L) inserted by G.S.R. 863(E) dated 01-12-2022, (w.e.f 01-12-2022). [Download GSR 863(E)]

3. (2) In this rule, “Armoured Vehicles” means a special purpose vehicle of category M

and N which is intended for the protection of conveyed persons or goods with anti-bullet armour plating. : Rule 125(L) inserted by G.S.R. 863(E) dated 01-12-2022, (w.e.f 01-12-2022). [Download GSR 863(E)]

Rule 125-M ~ Type approval of liquid or compressed gaseous hydrogen internal combustion engine vehicles.

The safety and procedural requirements for type approval of internal combustion engine vehicles of M and N categories powered by liquid or compressed gaseous hydrogen shall be in accordance with AIS 195:2023, till corresponding BIS specification is notified under the Bureau of Indian Standard Act, 1986 (63 of 1986):

Provided that the hydrogen fuel specifications for internal combustion engine vehicles shall be in accordance with IS 16061: 2021.

1. The safety and procedural requirements for type approval of internal combustion engine vehicles of M and N categories powered by liquid or compressed gaseous hydrogen shall be in accordance with AIS 195:2023, till corresponding BIS specification is notified under the Bureau of Indian Standard Act, 1986 (63 of 1986): : Rule 125(M) inserted by G.S.R. 746(E) dated 16-10-2023, (w.e.f 16-10-2023) [Download GSR 746(E)]

Rule 125-N ~ Type approval of electric power train vehicles and hybrid electric vehicle.

Electric power train vehicles, including pure electric vehicles and hybrid electric vehicles, strong hybrid electric vehicle, plug-in hybrid electric vehicle, series hybrid electric vehicle, series parallel hybrid electric vehicle, shall meet type approval requirements as specified in the Table specified under rule 124.

Explanation.- In this rule,-

(a) “electric power train” means a system consisting of one or more electric energy storage devices such as a battery, electromechanical flywheel or super capacitor, one or more electric power conditioning devices and one or more electric machines that convert stored electric energy to mechanical energy delivered at the wheels for propulsion of the vehicle;

(b) "hybrid electric vehicle (HEV)" means a vehicle that, for the purpose of mechanical propulsion, draws energy from both of the following on-vehicle sources of stored energy or power, namely:-

- i. a consumable fuel;
- ii. a battery, capacitor, flywheel or generator or other electrical energy or power storage device;

(c) "plug-in hybrid electric vehicle" includes range extended electric vehicle, a strong hybrid electric vehicle which has a provision for off Vehicle charging of rechargeable energy storage system;

(d) "pure electric vehicle" includes battery operated vehicle powered by an electric power train only:

Provided that a two wheeled pure electric vehicle shall not be deemed to be a motor vehicle if all the following conditions are verified and authorised by any testing agency specified in rule 126, namely:-

- i. vehicle is equipped with an electric motor having thirty-minute power less than 0.25 KW;
- ii. maximum speed of the vehicle is less than 25 Kmph;
- iii. vehicle is fitted with suitable brakes and retro reflective devices, such as one white reflector in the front and one reflector at the rear;
- iv. unladen weight (excluding battery weight) of the vehicle is not more than 60 Kgs;
- v. in case of a pedal assisted vehicle equipped with an auxiliary electric motor, in addition to above, the thirty minute power of the motor is less than 0.25KW, whose output is progressively reduced and finally cut off as the vehicle reaches the speed of 25 km per hour, or sooner, if the cyclist stops pedaling.

Explanation.- For the purposes of this sub-rule, the thirty minute power of the motor is defined in AIS:049-2003 and method of verification is prescribed AIS:0412003;

(e) "series hybrid electric vehicle" means any vehicle which allows power to be delivered to the driven wheels solely by a rechargeable energy storage system powered electric motor, but

which also incorporates the use of a combustion engine to provide power to the rechargeable energy storage system or electric motor;

(f) "series parallel hybrid electric vehicle" means a parallel hybrid electric vehicle which additionally incorporates a system for the combustion engine to provide power to the rechargeable energy storage system or electric motor;

(g) "strong hybrid electric vehicle" means a hybrid electric vehicle which has a 'stop-start' arrangement, 'electric regenerative braking system' and a 'motor drive' where motor alone is capable to propel the vehicle from a stationary condition."

1. Electric power train vehicles, including pure electric vehicles and hybrid electric vehicles, strong hybrid electric vehicle, plug-in hybrid electric vehicle, series hybrid electric vehicle, series parallel hybrid electric vehicle, shall meet type approval requirements as specified in the Table specified under rule 124. : Rule 125-N inserted by G.S.R 823(E), dated 06-11-2023 (w.e.f. 06-11-2023). & corrected by GSR 838(E) [Download GSR 823(E), Download GSR 838(E)]

Rule 125-P ~ L2-5 vehicles confirm to AIS standards.

All L2-5 Category of vehicles shall conform to the requirements specified in AIS 177:2021, as amended from time to time, till the corresponding Bureau of Indian Standards specification are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016).

1. All L2-5 Category of vehicles shall conform to the requirements specified in AIS 177:2021, as amended from time to time, till the corresponding Bureau of Indian Standards specification are notified under the Bureau of Indian Standards Act, 2016 (11 of 2016). : Inserted by G.S.R 354(E), dated 26-06-2024 (w.e.f. 26-06-2024). [Download GSR 354(E)]

Rule 126 ~ Prototype of every motor vehicle to be subject to test.

On and from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, every manufacturer or importer) of motor vehicles including [\[agricultural Tractor, Construction Equipment vehicle, Combine Harvester, Power Tillers\]](#) trailers, semitrailers and modular hydraulic trailer] "(including registered association (identified by the concerned State Transport département) for E rickshaw, wherever applicable] shall submit the prototype of the

vehicle [to be manufactured or imported by him) for test by the Vehicle Research and Development Establishment of the Ministry of the Government of India or Automotive Research Association of India, Pune, for the Centuice of Machinery Testing and Training Institute, Budni (MP).) or the Indian Institute of Petroleum, Dehradun, Tor the Central Institute of Road Transport, Pune, or the International Centre for Automatic Technology Manesar or the Northern Region Farm Machinery Training and Testing Institute, Hissar [for testing of combine harvester and agricultural tractor](#) or the Global Automotive Research Centre, Chennai, [\[or the National Automotive Test Tracks \(NATRAX\), Indore, or the Southern Region Farm Machinery Training and Testing Institute, Anantapur, Andhra Pradesh \(for testing of power tiller\)](#) and such other agencies as may be specified by the Central Government for granting a certificate by that agency as fo the compliance of provisions of the Act and these rules:

[\[Provided that all the testing agencies specified in this rule, shall establish compliance with the quality standard, specifically AIS \(Automotive Industry Standard\), within one year from the date of publication of such standards under this rule, and the testing agencies to be notified under this rule shall be in compliance with the standards from the date of notification of such standards or date of application under this rule, whichever is later:](#)

[Provided further that for the purpose of accreditation, registration and regulation of testing agencies under this sub-rule, the quality control and procedure prescribed in AIS notified under this rule shall be followed:](#)

[Provided also that the procedure for type approval and certification of motor vehicles for compliance to these rules shall be in accordance with the AIS :017-2000 as amended from time to time or procedure laid down by the Central Government, if any and information on technical specifications shall be submitted by the vehicle manufacturer in accordance with AIS-007 \(Rev.5\):2014 as amended from time to time:](#)

[\[x x x x\]](#)

[Provided also that altered, retrofitted or adapted motor vehicles shall be tested and type approved by the testing agencies specified in this rule, or self-certified by original equipment manufacturers, or self-certified by the work-shops authorised by the State Government, in accordance with section 52 of the Act and rules made thereunder:](#)

Provided also that in respect of vehicle manufacturer, importing into India unused completely built units (CBU) or completely knocked down units (CKD) of right hand steering control vehicles, directly or through their authorised representative, upto 2500 units of M1 or L category of vehicles, as the case may be, and up to 500 units of other categories of vehicles annually, compliant with international standard, namely EEC or ECE or Japanese, the compliance of such vehicle shall be deemed to be established for sale and registration under rule 47, by a certificate of compliance for the relevant standard issued by an authorised agency or accredited certifying agency:

Provided also that the procedure for type approval and certification of agricultural tractors shall be in accordance with AIS-017 (Part 2) (Rev. 2): 2016 standard as amended from time to time:

Provided also that in respect of unused right-hand steering control vehicles compliant with the international standard namely, EEC or ECE or Japanese, imported into India as completely built units (CBU), for the purpose of personal use, demonstration, testing, research or scientific work, the compliance of such vehicles shall be deemed to be established for registration under rule 47, by a certificate of compliance for the relevant standard issued by an authorised agency or accredited certifying agency:

Provided also that the construction equipment vehicles (CEV) may have steering control on either of the side:

Provided also that the administrative procedure to deal with corrigendum, amendments revisions to Automotive Industry Standards (AIS), Type Approval Procedures 115/116, Indian Standards (IS) and International Organisation for Standardisation (ISO) standards, which are notified under the Central Motor Vehicles Rules, 1989 shall be in accordance with AIS-000: 2013.]

Provided also that a bus body builder may self-certify the bus body built on a drive away chassis compliance to the requirements of the Code and Practice for Bus Body Design and Approval in accordance with AIS:052, (Rev. 1) as amended from time to time, as per the procedure notified by the Central Government in the official Gazette:

[x x x x]

[x x x x]

► **OLD RULE:**

1. [agricultural Tractor, Construction Equipment vehicle, Combine Harvester, Power Tillers] : Inserted by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]
2. for testing of combine harvester and agricultural tractor : Substituted by G.S.R. 223(E) dated 09-04-2025, (w.e.f 09-04-2025). [Download GSR 223(E)]
3. [or the National Automotive Test Tracks (NATRAX), Indore, : Inserted by G.S.R. 511(E), dated 18-07-2019 (w.e.f. 18-07-2019). [Download GSR 511(E)]
4. or the Southern Region Farm Machinery Training and Testing Institute, Anantapur, Andhra Pradesh (for testing of power tiller) : Inserted by G.S.R. 223(E) dated 09-04-2025, (w.e.f 09-04-2025). [Download GSR 223(E)]
5. [Provided that all the testing agencies specified in this rule, shall establish compliance with the quality standard, specifically AIS (Automotive Industry Standard), within one year from the date of publication of such standards under this rule, and the testing agencies to be notified under this rule shall be in compliance with the standards from the date of notification of such standards or date of application under this rule, whichever is later: : Substituted for the 1st, 2nd, 3rd, 4th & 5th provisos, by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]
6. Provided further that for the purpose of accreditation, registration and regulation of testing agencies under this sub-rule, the quality control and procedure prescribed in AIS notified under this rule shall be followed: : Substituted for the 1st, 2nd, 3rd, 4th & 5th provisos, by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]
7. Provided also that the procedure for type approval and certification of motor vehicles for compliance to these rules shall be in accordance with the AIS :017-2000 as amended from time to time or procedure laid down by the Central Government, if any and information on technical specifications shall be submitted by the vehicle manufacturer in accordance with AIS-007 (Rev.5):2014 as amended from time to time: : Substituted for the 1st, 2nd, 3rd, 4th & 5th provisos, by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]
8. [x x x x] : Proviso omitted by Corrigendum Noti. G.S.R. 221(E), dated 30-03-2021

(w.e.f. 30-03-2021). [Download GSR 221(E)]

9. Provided also that altered, retrofitted or adapted motor vehicles shall be tested and type approved by the testing agencies specified in this rule, or self-certified by original equipment manufacturers, or self-certified by the work-shops authorised by the State Government, in accordance with section 52 of the Act and rules made thereunder: : Substituted for the 1st, 2nd, 3rd, 4th & 5th provisos, by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]

10. Provided also that in respect of vehicle manufacturer, importing into India unused completely built units (CBU) or completely knocked down units (CKD) of right hand steering control vehicles, directly or through their authorised representative, upto 2500 units of M1 or L category of vehicles, as the case may be, and up to 500 units of other categories of vehicles annually, compliant with international standard, namely EEC or ECE or Japanese, the compliance of such vehicle shall be deemed to be established for sale and registration under rule 47, by a certificate of compliance for the relevant standard issued by an authorised agency or accredited certifying agency: : Provisos 6th, 7th, & 8th substituted by Corrigendum Noti. G.S.R. 221(E), dated 30-03-2021 (w.e.f. 30-03-2021). [Download GSR 221(E)]

11. Provided also that the procedure for type approval and certification of agricultural tractors shall be in accordance with AIS-017 (Part 2) (Rev. 2): 2016 standard as amended from time to time: Provided also that in respect of unused right-hand steering control vehicles compliant with the international standard namely, EEC or ECE or Japanese, imported into India as completely built units (CBU), for the purpose of personal use, demonstration, testing, research or scientific work, the compliance of such vehicles shall be deemed to be established for registration under rule 47, by a certificate of compliance for the relevant standard issued by an authorised agency or accredited certifying agency: : Provisos 6th, 7th, & 8th substituted by Corrigendum Noti. G.S.R. 221(E), dated 30-03-2021 (w.e.f. 30-03-2021). [Download GSR 221(E)]

12. Provided also that the construction equipment vehicles (CEV) may have steering control on either of the side: : Provisos 6th, 7th, & 8th substituted by Corrigendum Noti. G.S.R. 221(E), dated 30-03-2021 (w.e.f. 30-03-2021). [Download GSR 221(E)]

13. Provided also that a bus body builder may self-certify the bus body built on a drive away chassis compliance to the requirements of the Code and Practice for Bus Body Design and Approval in accordance with AIS:052, (Rev. 1) as amended from time to time, as per the procedure notified by the Central Government in the official Gazette: :

Inserted by G.S.R. 368 (E), dated 13-04-2018 (w.e.f. 13-04-2018). [Download GSR 368(E)]

14. [x x x x] : Proviso omitted by G.S.R. 159(E), dated 06-03-2024 (w.e.f 01-09-2025). [Download GSR 159(E)]

15. [x x x x] : Proviso omitted by G.S.R. 159(E), dated 06-03-2024 (w.e.f 01-09-2025). [Download GSR 159(E)]

16. Provided further that the bus body builder shall provide a unique identification number to the self-certificate in the format XXXX XXXXXXXXXX wherein the first four characters represent body builder identification code followed by four digits indicating the year of fabrication followed by six digits signifying the serial number in the particular year.] : Inserted by G.S.R. 368 (E), dated 13-04-2018 (w.e.f. 13-04-2018). [Download GSR 368(E)]

17. [Provided also that prototype of bus bodies and truck bodies may be submitted for testing rs type approval to engineering colleges specified by the State Government or the State Road Transport Undertakings duly approved by the State Government.] :

Inserted by G.S.R. 247(E), dated 15-03-2017 (w.e.f. 15-03-2017). [Download GSR 247(E)]

Rule 126-A ~ Type Approval and Conformity of Production.

(1) [\[Where the Testing Agency approves a vehicle as a type vehicle, they shall issue a certificate \(hereafter referred to as a 'type approval certificate'\) as per procedures laid down in AIS 017, as amended from time to time, and the procedures laid down by Central Government stating that the vehicle complies with the provisions of rules made under section 110;](#)

(2) A type approval certificate may be issued subject to the inspection by officers of the Testing Agency conforming with the applicable type approval requirements on the test vehicle submitted by manufacturer, importer or dealer.

(3) The denial of the Type Approval Certificate by the Testing Agency shall be accompanied by a report providing the reasons for the denial of the certificate.

(4) The Central Government or any officer appointed under this rule may cancel or suspend the type approval certificate issued to a motor vehicle, if it appears to them, that there has been a breach of any of the conditions subject to which a type approval certificate has been granted:

Provided that prior to exercising the powers under this sub-rule, the Central Government, or any officer appointed under this sub-rule, shall give the holder of the type approval certificate an opportunity of being heard and filing written response:

Provided further that where the Central Government, or any officer appointed under this sub-rule, cancels or suspends a certificate in pursuance of this sub-rule, an order shall be issued stating the grounds for the cancellation or suspension:

(5) The testing agencies referred to in rule 126 shall, subsequent to the grant of the Type Approval Certificate, under this rule shall [also conduct tailpipe emission tests](#) on motor vehicles for conformity of production drawn from the production line of the manufacturer or dealer or warehouse, as the case may be, to verify whether these vehicles conform to the provisions of rules made under section 110 and section 110B of the Act:

Provided that in case the number of vehicles sold in India for a given base model and its variants manufactured in India or imported to India are less than 250 in any consecutive period of six months in a year, then such base model and its variants need not be subjected to the above test, if at least one model or its variants manufactured or imported by that manufacturer or importer, as the case may be, is subjected to such tests at least once in a year:

Provided further that, in case the number of base models and its variants manufactured or imported is more than one and if the individual base model and its variants are less than 250 in any consecutive period of six months in a year, then the testing agencies can pick up one of the vehicles out of such models and their variants once in a year for carrying out such test.]

► **OLD RULE:**

1. [Where the Testing Agency approves a vehicle as a type vehicle, they shall issue a certificate (hereafter referred to as a 'type approval certificate') as per procedures laid down in AIS 017, as amended from time to time, and the procedures laid down by Central Government stating that the vehicle complies with the provisions of rules made under section 110; : Rule 126A substituted by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]

2. also conduct tailpipe emission tests : Substituted by G.S.R. 393(E) dt. 07-06-2021, (w.e.f 07-06-2021). [Download GSR 393(E)]

Rule 126-B ~ [x x x x] [Omitted].

[x x x x]

► OMITTED RULE:

1. [x x x x] : Rule 126B omitted by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]

Rule 126-C ~ Uploading of information in vahan portal.

[On and from the date of final publication of this notification, the testing agencies specified in rule 126, in accordance with the procedure laid down by the Central Government, upload information regarding vehicle type approval on the portal <https://www.vahan.nic.in/markermodel/>:

Provided that the test agencies shall also enter the legacy data of type approvals for the period from the 1st January, 2013 till 17th November 2014.]

1. [On and from the date of final publication of this notification, the testing agencies specified in rule 126, in accordance with the procedure laid down by the Central Government, upload information regarding vehicle type approval on the portal <https://www.vahan.nic.in/markermodel/>: : Inserted by G.S.R. 810(E), dated 17-11-2014(w.e.f. 17-11-2014). [Download GSR 810(E)]
2. / : Inserted by G.S.R. 810(E), dated 17-11-2014(w.e.f. 17-11-2014). [Download GSR 810(E)]

Rule 126-D ~ Whole Vehicle Safety Conformity of Production.

After Eighteen months from the date of publication of this notification in the Official Gazette, the testing agencies referred to in rule 126, shall conduct Whole Vehicle Safety Conformity of Production (WVSCoP) tests as specified in AIS-017-Part 6:2020, as amended from time to time, in accordance with the procedures laid down therein, on vehicles, manufactured or imported on and after the said date drawn from the manufacturer's plant(s) or the importer's premise(s), to verify whether these vehicles conform to the rules to which they have been type approved under rule 126:

Provided that nothing in this rule shall apply to the vehicles exempted by the Central Government from type approval requirements as per rule 126 or conformity of production requirements.

1. After Eighteen months from the date of publication of this notification in the Official Gazette, the testing agencies referred to in rule 126, shall conduct Whole Vehicle Safety Conformity of Production (WVSCoP) tests as specified in AIS-017-Part 6:2020, as amended from time to time, in accordance with the procedures laid down therein, on vehicles, manufactured or imported on and after the said date drawn from the manufacturer's plant(s) or the importer's premise(s), to verify whether these vehicles conform to the rules to which they have been type approved under rule 126: : Rule 126D inserted by G.S.R. 393(E), dated 07-06-2021 (w.e.f. 07-06-2021). [Download GSR 393(E)]

Rule 126-E ~ Bharat new car assessment programme.

(1) The car assessment programme under this rule shall be applicable on the type approved vehicles of category M1, manufactured or imported in the country on or after the 1st day of October, 2023.

(2) On and from the 1st day of October 2023, the manufacturer or importer of motor vehicles shall submit an application in FORM 70A, to the designated agency, designated by the Central Government to get their motor vehicle examined and assessed for star rating in accordance with AIS:197.

(3) The cost of the motor vehicle for the purpose of assessment for star rating and the cost of such assessment shall be borne by the respective manufacturer or importer.

- (4) The motor vehicles for the purpose of assessment shall be randomly selected by the designated agency, from the premises of the manufacturer, importer, or authorised dealer of the manufacturer or importer, in accordance with AIS-197.
- (5) The designated agency shall select any of the testing agency, referred to in rule 126, for the assessment of the vehicles selected in sub-rule (2).
- (6) The manufacturer or importer shall send the selected vehicles to the testing agency selected under sub-rule(4).
- (7) The testing agency shall evaluate the vehicles in accordance with AIS-197 and submit the assessment report to the designated agency in FORM 70B.
- (8) On examination and approval of the assessment report, the star rating of the vehicle shall be uploaded on the designated portal by the designated agency:
- (9) Nothing in this rule shall apply to a vehicle exempted under rule 126.

1. The car assessment programme under this rule shall be applicable on the type approved vehicles of category M1, manufactured or imported in the country on or after the 1st day of October, 2023. : Rule 126E inserted by G.S.R. 698(E), dated 27-09-2023 (w.e.f. 27-09-2023). [Download GSR 698(E)]

Rule 127 ~ Quality certificate by manufacturer.

(1) On and from the date of commencement of this rule, the sale of every motor vehicle manufactured shall be accompanied by a certificate of road-worthiness issued by the manufacturer in Form22.

(1A) [On and from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 2015, the sale of every E-rickshaw or E-cart manufactured shall be accompanied by a certificate of roadworthiness issued by the E-rickshaw or E-cart manufacturer or the registered E-rickshaw or E-cart Association, in Form 22.]

(2) On and from the date of commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, the sale of every construction equipment vehicle manufactured shall be accompanied by a certificate of road-worthiness issued by the manufacturer in Form 22.]

1. [On and from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 2015, the sale of every E-rickshaw or E-cart manufactured shall be accompanied by a certificate of roadworthiness issued by the E-rickshaw or E-cart manufacturer or the registered E-rickshaw or E-cart Association, in Form 22.] : Inserted by G.S.R. 27(E), dated 13-1-2015(w.e.f. 13-1-2015). [Download GSR 27(E)]
2. : Inserted by G.S.R. 27(E), dated 13-1-2015(w.e.f. 13-1-2015). [Download GSR 27(E)]
3. (2) On and from the date of commencement of the Central Motor Vehicles (Sixth Amendment) Rules, 2000, the sale of every construction equipment vehicle manufactured shall be accompanied by a certificate of road-worthiness issued by the manufacturer in Form 22.] : Inserted by G.S.R. 27(E), dated 13-1-2015(w.e.f. 13-1-2015). [Download GSR 27(E)]

Rule 127-A ~ Non-Compliance with Standards.

(1) [Subject to the provisions of this rule, an Investigating Officer, or officers, empowered under this rule, shall conduct an investigation and exercise such powers as required to enforce compliance of standards specified by order under section 109 and compliance of standards prescribed under section 110 of the Act.]

(2) The Investigating Officer, for the purposes of determining whether there has been a contravention of standards imposed by or under this Chapter, may enter the premises of a vehicle manufacturer or component manufacturer or importer or retrofitter of a motor vehicle or component, as the case may be other than premises occupied only as a person's residence, and inspect any record or procedure connected with the production of a component including software, or motor vehicle or retro-fitment, including any arrangements for carrying out a test. Such entry and inspection by the Investigating Officer shall be after obtaining the prior permission of an officer not below the rank Deputy Secretary, Ministry of Road Transport and Highways.

(3) If the Investigating Officer have reasonable grounds to believe that there has been a contravention of standards imposed by or under this Chapter, he may—

- a. for the purpose of ascertaining whether there has been any such contravention, require the manufacturer, importer or retrofitter, or any other person, as the case may be, to supply all necessary information relating to the motor vehicle, or component under

investigation, including by the production of records, available in physical or electronic form;

- b. require any record which is stored in an electronic form and is accessible from the premises, to be produced in a form which is convenient and can be stored for record;
- c. obtain a sample of the finished motor vehicle that is, or contains a constituent part or software that is suspected to be, in violation of the standards, for the purpose of ascertaining, by testing or otherwise, whether there has been any such contravention; and
- d. require the production of the stock register of the vehicle under investigation, sold and unsold.

(4) An officer obtaining samples under clause (c) of sub-rule (3) shall provide to the person from whom they were taken, written reasons for obtaining samples under FORM 50A;

(5) After obtaining a sample under clause (c) of sub-rule (3), the officer(s) may send the sample to a testing agency as may be specified under this rule by the Central Government or to any other agency as the Central Government may specify in this regard, or more than one such agency as may be determined by the Investigating Officer(s), and such agency(s) shall send a report to the officer(s) within sixty days on compliance with the standards imposed by or under this Chapter, as per FORM 50B;

(6) The cost for conducting tests by the agency shall be borne by the manufacturer, importer or retrofitter and if no deviation from the specifications are reported by the agencies conducting such test then the manufacturer, importer or retrofitter may seek the reimbursement of the fee incurred on such testing from the Central Government.

(7) Upon the receipt of the report of the Agency under sub-rule (5), the Investigating Officer shall, submit such report along with the findings of the investigation, in FORM 50C, to the Central Government, or such officer as may be designated by the Central Government in this regard;

(8) On receipt of the findings of the investigation officer under sub-rule (7), the Central Government, or such officer as may be designated by the Central Government in this regard, may initiate proceedings against the manufacturer, importer, or retrofitter of a motor vehicle,

as the case may be, and such other persons as deemed necessary, under section 182A of the Act;

Provided that voluntary corrective action taken by the manufacturer, importer or retrofitter, as the case may be, with respect to the motor vehicle in which the non-compliance of the standard has been detected may be taken into consideration by the Central Government when initiating proceedings under section 182A of the Act:

Provided further that action under this rule shall not be initiated by the Central Government six months beyond the date on which the findings of the Investigating Officer have been received.

(9) During the proceedings initiated under section 182A, the Central Government, or such officer designated by the Central Government in this regard, may issue a suspension order as per rule 127B.]

1. [Subject to the provisions of this rule, an Investigating Officer, or officers, empowered under this rule, shall conduct an investigation and exercise such powers as required to enforce compliance of standards specified by order under section 109 and compliance of standards prescribed under section 110 of the Act. : Rule 127A inserted by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]

Rule 127-B ~ Suspension Order.

(1) [The Central Government, or such other officer as may be designated by the Central Government in this regard, may issue a suspension order to the manufacturer, importer or retrofitter, as the case may be, during the pendency of proceedings under section 182A, and prohibit the manufacturer, importer or retrofitter, of the motor vehicle, as the case may be, on whom it is served from doing any of the following things, namely: -

- a. placing the model or variant of the motor vehicle, its constituent part or software under investigation on the market, offering to place it on the market, agreeing to place it on the market, or exposing it for placing on the market, in India, or
- b. supplying the model or variant of motor vehicle or component under investigation, offering to supply it, agreeing to supply it, in India:

Provided that the period of suspension under the suspension order shall not exceed the term of the proceedings initiated under section 182A.

(2) A suspension order served in relation to a motor vehicle or component under investigation, may require the manufacturer, importer or retrofitter on whom it is served to keep the officer informed of the whereabouts of such motor vehicles or their constituent parts.]

1. [The Central Government, or such other officer as may be designated by the Central Government in this regard, may issue a suspension order to the manufacturer, importer or retrofitter, as the case may be, during the pendency of proceedings under section 182A, and prohibit the manufacturer, importer or retrofitter, of the motor vehicle, as the case may be, on whom it is served from doing any of the following things, namely: - :
Rule 127B inserted by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]

Rule 127-C ~ Defective Motor Vehicles and Recall Notice.

(1) [The Central Government shall designate an officer to exercise such powers as provided in sub-section (5) of section 110A and take necessary action, as the Designated Officer for the purposes of this rule;

(2) The owner of a motor vehicle, a testing agency, or any other source as may be notified by the Central Government, may make an application through the Vehicle Recall Portal, to the Designated Officer under this rule, to designate a particular type of motor vehicle as a defective motor vehicle.

Explanation 1. - For the purposes of this rule "defect" means a fault in any vehicle or component or software that poses or is likely to pose undue risk to road safety or environment, and that exists in a group of vehicles of the same design or manufacture, or items of equipment of the same type and manufacture, and which originated at design, manufacturing or manufacturer's assembly stage;

Explanation 2. - For the purposes of this rule, a "defective motor vehicle" shall mean a motor vehicle that falls within the scope of sub-section (1) of section 110A of the Act, and shall include a motor vehicle which contains a constituent part, as well as software, which may be defective.

(3) The application made under sub-rule (2) shall contain such information about the particulars of the motor vehicle, the complainant or owner of the motor vehicle, nature of the defect in the motor vehicle or component or software, the voluntary action undertaken by the manufacturer, importer or retrofitter, as the case may be, of the motor vehicle for resolving the defect, if any, and such other information, as may be specified by the Central Government;

(4) The Designated Officer may suo moto issue a recall notice to the manufacturer, importer, or retrofitter as the case may be of a motor vehicle, where such officer has reasonable grounds to believe that a motor vehicle is a defective motor vehicle, and that the defect exists in a group of vehicles of the same design or manufacture, or items of equipment of the same type and manufacture and which originated at design, manufacturing or assembly stage, and that it has already been supplied or made available to consumers;

Provided further that prior to issuance of the recall notice, the Designated Officer shall follow the procedure prescribed under sub-rule (5) and (6):

(5) If the Designated Officer has received an application under sub-rule (2), or has suo moto initiated action under sub-rule (4), [after obtaining the prior permission of an officer not below the rank of Deputy Secretary, Ministry of Road Transport and Highways] shall issue a show cause notice to the manufacturer, importer or retrofitter of the motor vehicle, as the case may be, and such manufacturer, importer or retrofitter may, within thirty days from receipt of the show cause notice make such response as deem fit to the Designated Officer:

Provided that the Designated Officer shall initiate the procedure under this rule on the basis of application made by owner of motor vehicles within last twelve months on the basis of information received which may include information from Vehicle Recall Portal that such percentage of owners as may be notified for a particular defect in a type of motor vehicle have made a complaint:

Provided further that the standard applicable to the motor vehicle shall be the standard in force at the time of manufacture, import or retrofitment, of the motor vehicle:

Provided also that this recall shall be limited to vehicles manufactured or imported or retrofitted which are less than seven years old from the date of manufacturing, import or retrofitment.

(6) After receiving the response from the manufacturer, importer or retrofitter of the motor vehicle as the case may be, under sub-rule (5), or if the said manufacturer, importer or

retrofitter, of the motor vehicle as the case may be, has not made a response within thirty days the Designated Officer shall adopt such procedure as it deems fit to investigate whether the motor vehicle is a defective motor vehicle.

(7) The cost or fees of any tests conducted on the motor vehicle, or its constituent part or software, under subrule (4) shall be borne by the manufacturer, importer or retrofitter, of a motor vehicle as the case may be.;

(8) If the Designated Officer finds that the vehicle is a defective motor vehicle and a recall notice is required to be issued, or the manufacturer, importer or retrofitter of the motor vehicle as the case may be, has made a declaration under rule 127D, the Designated Officer shall:

- a. require the manufacturer, importer or retrofitter, of the motor vehicle as the case may be, to produce all documents and necessary information on the manufacture of the motor vehicle;
- b. require the manufacturer, importer or retrofitter, of the motor vehicle as the case may be, to produce all information; and
- c. require the manufacturer, importer or retrofitter, of the motor vehicle as the case may be, to give such other information as may be necessary for the issuance of the recall notice.

(9) The Designated officer may, after following the procedure laid down under this rule, issue a recall notice, to the manufacturer, importer or retrofitter of the motor vehicle requiring them to take such action as specified therein, including:

- a. where and to the extent it is practicable to do so, contact consumers who have purchased the motor vehicle in order to inform them of the recall;
- b. publish a notice in such form and such manner as is likely to bring to the attention of purchasers of the motor vehicle the risk the motor vehicle poses and the fact of the recall;
- c. make arrangements for the collection or the rectification of motor vehicle and where ever required facilitate collection or delivery of the motor vehicle from consumers who have purchased it or for its disposal;
- d. such additional requirements on the recipient of the notice as are necessary with a view to achieving the return of the motor vehicle from consumers to the person specified in

the notice or its disposal; and

- e. impose such fine within the limits, as per Table given below on case to case basis, as directed by the Central Government.][Rule 127C inserted by G.S.R. 173\(E\) dated 11-03-2021, \(w.e.f 11-03-2021\)](#)**TABLE**

No of Vehicles Recalled <i>(for recalls other than 110A(4) of the Motor Vehicle Act 2019)</i>				F
2W	3W & L7	M1, N1	M2, M3, N2, N3, T3, T4	
1 to 6000	1 to 3000	1 to 1,000	1 to 500	10 Lak
6001 to 60,000	3,001 to 30,000	1,001 to 10,000	501 to 5000	20 Lak
60,001 to 6,00,000	30,001 to 3,00,000	10,001 to 1,00,000	5,001 to 50,000	50 Lak
6,00,000 Plus	3,00,000 Plus	1,00,000 Plus	50,000 Plus	100 La

(10) Any manufacturer, importer or retrofitter of the motor vehicle, as the case may be, aggrieved by recall notice may, within 90 days from the date of receipt of the recall notice, appeal to High Court.

1. [The Central Government shall designate an officer to exercise such powers as provided in sub-section (5) of section 110A and take necessary action, as the Designated Officer for the purposes of this rule; : Rule 127C inserted by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]

2. Rule 127C inserted by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021) :

Rule 127-D ~ Obligations of Manufacturers, Importers or Retrofitters.

(1) [\[Every manufacturer, importer or retrofitter, as the case may be, of a motor vehicle shall have in place procedure for regulating the recall of motor vehicle as specified in Annexure XII to these rules. Every manufacturer, importer or retrofitter of the motor vehicle, as the case may be, shall also have it placed in the organisation, a procedure to enable them to comply with the said procedure. The said procedure may be reflected with in the organisations quality manual.](#)

(2) Without prejudice to the generality of the obligation referred to in sub-rule (1), the manufacturer, importer or retrofitter of the motor vehicle, as the case may be, is required to:

- a. inform risks posed by the motor vehicles being manufactured, imported or retrofitted, by them;
- b. conduct investigations, and may take samples of motor vehicles and subject them to safety checks;
- c. maintain a register of recall related complaints and keep dealers informed of such monitoring;
- d. take appropriate action necessary to avoid recall related risks, including recall of the motor vehicle from the market, adequately and effectively warning consumers; and
- e. comply with requirement laid down in Annexure XII of these rules.

(3) Where a manufacturer, importer or retrofitter, of the motor vehicle as the case may be, knows on the basis of the information in their possession, that a motor vehicle manufactured, imported or retrofitted by them poses risks to the consumer and are potentially defective motor vehicles within the meaning of section 110A of the Act, they shall immediately inform the Designated officer in this chapter, giving details, in particular, of the steps taken or proposes to take to prevent risk to the consumer.

(4) When the manufacturer, importer or retrofitter, of a motor vehicle as the case may be, is served with a recall notice under the rule 127C, they shall take such measures as specified in the sub-section (3) of section 110A of the Act.

(5) Every manufacturer, importer or retrofitter, of the motor vehicle as the case may be, shall notify, through their web site or registered post or electronic mail, regarding the initiation of recall action to all the registered owner of the affected vehicles and regarding the existence of the defect for which recall has been initiated and shall also include the evaluation of its risk to the safety of occupants and road users.

(6) The communication shall instruct registered owner of the defective vehicle on the available remedies and modalities for availing from the manufacturer, importer or retrofitter, of the motor vehicle as the case may be.

(7) In the event there is no satisfactory response from the registered owner or their legal representative after sending the first recall communication, the manufacturer, importer or retrofitter, of a motor vehicle as the case may be, shall send at least one more subsequent communication. If such registered owner does not respond or take action even after sending a

second reminder, the manufacturer, importer or retrofitter of the motor vehicle, as the case may be, shall not be held liable for failure to complete the recall process in such cases. Further in cases where the registered owners are not traceable, even after concerted efforts by the manufacturer, importer or retrofitter, of the motor vehicle as the case may be, they shall not be held liable for failure to complete the recall process:

Provided that such communication to the registered owner if made in an electronic mode should be complied as per the provisions of the Information Technology Act 2000 (21 of 2000)

(8) The manufacturer, importer or retrofitter, of the motor vehicle as the case may be, shall maintain the records as per Form A and B of Annexure XII relating to each recall conducted by him up to a period when the recall becomes inactive and thereafter submit the said forms to the Designated Officer.]

1. [Every manufacturer, importer or retrofitter, as the case may be, of a motor vehicle shall have in place procedure for regulating the recall of motor vehicle as specified in Annexure XII to these rules. Every manufacturer, importer or retrofitter of the motor vehicle, as the case may be, shall also have it placed in the organisation, a procedure to enable them to comply with the said procedure. The said procedure may be reflected with in the organisations quality manual. : Rule 127D inserted by G.S.R. 173(E) dated 11-03-2021, (w.e.f 11-03-2021). [Download GSR 173(E)]

Rule 128 ~ Tourist vehicles other than motor cabs, etc.

A tourist vehicle other than motor cab, taxicab, campers van house trailer, shall conform to the following specifications, namely:—

(1): Dimensions.

The dimension shall conform to the dimensions specified in rule 93.

(2): Structure.

Structure of the tourist vehicle should be sturdy and strong structural frame work using suitable material of adequate sectional area and anaerodynamical shape. For exterior panelling, aluminium sheet or good quality panelling material should be used. As regards interior panelling it should cover the entire interior roof, sides, back and bulk head portions.

The body should be made completely leak proof and dustproof. The vehicle should also be rattle proof. Sound deadening should also be done for all panelling including the floor.

(3): Passenger entrance and exit.

The passenger entrance-cum-exit door shall be located on the left side of the vehicle and minimum door width shall be 685 millimetres. The door handle should be capable of being handled from inside as well as from outside. The door may be operated pneumatically or hydraulically or electrically with suitable locking devices.

(4): Emergency exit.

The emergency exit provided on the tourist vehicle shall meet the following requirements, namely:—

- i. be clearly marked "EMERGENCY EXIT" in bold letters on the inside and the outside of the tourist vehicle;
- ii. be so designed as to open from inside and the outside of the tourist vehicle.
- iii. be equipped with a fastening device which can be quickly released but so designed as to offer protection against accidental release;
- iv. be easily accessible to persons of normal height standing on the ground outside the vehicle; v) be easily accessible to the passengers;
- v. be such that no seat or other object placed in the vehicle shall restrict the passage to the emergency door;
- vi. be located either at the back or on to the right hand side of the vehicle; and
- vii. emergency exit may be provided in the form of a window with breakable glass. In such cases, a suitable device shall be provide data convenient place to break open the glass in the event of an emergency.]

(5): Driver entry and exit.

A separate door with suitable sliding window shall be provided for the driver near the driver seat.

(6): Windscreen.

(i) The front windscreen shall be of clear view and distortion free, with safety glass and shall be of full width of the tourist vehicle. If made in two halves, the width of the centre vertical joint, inclusive of the rubber glazing fitment of the front wind shield shall be such as to enhance the elegance of the tourist vehicle.

(ii) Rear windscreen shall be of safety glass or laminated safety glass. It shall match with the windows provided on the vehicle. Sliding curtains shall be provided on the rear windscreen.

(7): Windows.

Windows of tourist vehicles should have a minimum space of 14.25 millimetres and shall be of safety or laminated safety glass.

Windows shall be of double sliding type slider running smoothly in channels without rattle. All safety or laminated safety glasses used for windows should conform to standards laid down by the Bureau of Indian Standards.

Windows shall be provided with sliding curtains.

(8): Ventilation.

Adequate arrangements shall be provided for ventilation for the passenger compartment as well as the driver compartment. All ventilators and windows shall be such that when closed they will not permit ingress of rain water or dust in the passenger or driver compartment.

(9): Luggage.

(i) Luggage holds shall be provided at the rear or at the sides, or both, of the tourist vehicle with sufficient space and size, and shall be rattle proof, dust proof and water proof with safety arrangements;

(ii) The light luggage racks, on strong brackets shall be provided inside the passenger compartment running along the sides of the tourist vehicle. Except where nylon netting is used, the underside of the rack shall have padded upholstery to protect the passengers from an accidental hit. The general design and fitment of the rack shall be so designed as to avoid sharp corners and edges.

(10): Seats and seating arrangements.

(i) [x x x x]

(ii) Seating layout shall be 88[two and two or one and two or one and one] on either side, all seats facing forward, with a clear gang way of at least 355 millimetres width at the centre. Each passenger seat shall have a minimum area of 447 millimetres x457 millimetres and an arm rest on both sides and seat back of full height.

(iii) The seat frames shall be sturdy, properly finished and so mounted as to transfer the weight directly to the structural members of frame-work. The seats shall be of reclining type and adjustable.

(iv) The seats shall be so mounted as to provide at least 280 millimetres leg room from the front of the rear seat to the back of the front seat. A foot rest at suitable location and height shall be provided for every passenger.

(11): Painting and finishing.

The tourist vehicle shall be painted in a manner referred to in sub- rules (7) and (8) of rule [85](#) in white colour with a blue ribbon of five centimetres width at the centre of the exterior of the body.

(12): Lighting.

- i. (a) The passenger compartment shall be adequately illuminated.
 - (b) Arrangement shall be provided to eliminate reflection of the light from the passenger compartment on the windscreen.
 - (c) In addition to the lights in passenger compartment, at least two night-lights with coloured domes, shall be provided in the passenger compartment.
- ii. Front and rear destination boxes, if provided, shall be illuminated.
- iii. One independently operated light fitting shall be provided for illumination of the driver's or attendant's seat area.
- iv. A light fitting shall be provided for illuminating the steps at the passenger entrance door.
- v. Each luggage hold shall have a light fitting for illumination of that hold.
- vi. Wiring in the passenger compartment shall be with low tension cable conforming to IS: 2465 of size commensurate with the estimated current loading. The wires shall be carried in PVC sleeveings or conduit or casing of adequate size. When any wire passes

through a hold in a panel or sheet metallic components, a rubber grommet of adequate size shall be provided for protection of the insulation.

(13): Fittings and accessories.

A tourist vehicle shall be equipped with the following,namely:—

- i. Convex rear-view mirror or device for indirect vision one on each side, universally adjustable and of adequate dimensions.
- ii. First-aid box with glazed front, with necessary medicines for first-aid.
- iii. Fire extinguisher, dry powder type located near the engine compartment.
- iv. Insulation on interior or exterior of the engine bonnet for reducing the noise and heat from the engine.
- v. Provision for locating vehicle tools securely.
- vi. Heavy duty wind screen wiper system.
- vii. Adjustable sun visors of adequate size for the driver and for the attendant.
- viii. Electrically operated wide indicators or blinkers, stop lights and parking lights.
- ix. Dual head lamps.
- x. Suitable illumination for the registration number plate at the rear.
- xi. Horn.
- xii. Electric fans, of 8 inches* sweep adjustable, at least eight in number, suitably spaced in the passenger compartment and controlled by switches located near the seat.
- xiii. Electric bell or buzzer located near the seat of driver or attendant and operated by at least four push button controls placed at suitable location in the passenger compartment.
- xiv. Ash trays near passenger seats of a design convenient for cleaning the mat
Intermediate stops of the tourist vehicle.
- xv. Drinking water and ice-box.
- xvi. Rack for magazines and other reading material.

xvii. Back pockets and numbers for each seat.

xviii. Public address system with at least four speakers suitably located in the passenger compartment.

xix. Document frame, located near the seat of driver, for carrying vehicle documents, Tax token, licence and permit.

xx. Mud flaps for front and rear wheels:

Provided that the provisions of clauses (2) and (7), sub-clause (iv) of clause (12), sub-clauses (ix), (xii) and (xiii) of clause (13), of this rule shall not apply to the vehicles of integral construction.]

[\[Provided further that provisions of this rule shall not apply to tourist buses which comply with the provisions of AIS:52, AIS:119 or AIS:139.\]](#)

1. 85 : Substituted for "85-A" by GSR 276(E) dated 10/04/2007 (w.e.f. 10/04/2007)

[Download GSR 276(E)]

2. rear-view mirror or device for indirect vision : Substituted for rear view mirror" by GSR 38(E), dt. 15/01/2024 (w.e.f. 15/01/2024). [Download GSR 38(E)]

3. [Provided further that provisions of this rule shall not apply to tourist buses which comply with the provisions of AIS:52, AIS:119 or AIS:139.] : Added by G.S.R. 1462(E), dated 27-11-2017(w.e.f. 27-11-2017). [Download GSR 1462(E)]

Rule 128-A ~ Special provision for M3 category of vehicles.

[The provisions of sub-rule \(4\) of rule 128 shall apply to all M3 category of vehicles.](#)

1. The provisions of sub-rule (4) of rule 128 shall apply to all M3 category of vehicles. : Rule 128A inserted by G.S.R. 589(E), dated 16-09-2005(w.e.f. 16-09-2005). [Download GSR 589(E)]

Rule 129 ~ Transportation of goods of dangerous or hazardous nature to human life.

(1) Every owner of a goods carriage transporting any dangerous or hazardous goods shall, in addition to complying with the provisions of any law for the time being in force in relation to

any category of dangerous or hazardous goods, comply with the following conditions, namely:

—

- i. every such goods carriage, carrying the same type of dangerous or hazardous goods (whether in bulk or in packages), shall display a distinct mark of the class label appropriate to the type of dangerous or hazardous goods specified in column 3 of the Table I to rule 137;
- ii. every package containing dangerous or hazardous goods shall display the distinct class labels appropriate to the type of dangerous or hazardous goods specified in column 3 of the Table I to rule 137;
- iii. in the case of packages containing goods listed in Table III in rule 137 and which Represents two hazards as given in column 2 there of, such packages shall display distinct labels to indicate both the hazards;
- iv. every goods carriage carrying any dangerous or hazardous goods shall be Equipped with safety equipments for preventing fire, explosion or escape of hazardous or dangerous goods.]
- v. [every vehicle of categories N2 and N3, manufactured on and after the 1st Day of September, 2022, in the case of new models, and 1st day of January, 2023, in the case of existing models, carrying dangerous or hazardous goods, shall be fitted with a vehicle tracking system device as per AIS 140.]

Explanation.- For the purpose of this clause, the expression,-

(a) “existing model” in respect of a vehicle of category N2 or category N3, means the vehicle in respect of which a type-approval certificate has been issued under section 110B of the Act, on or before the commencement of the Motor Vehicles (Eleventh Amendment) rules, 2022;

(b) “new model” in respect of a vehicle of category N2 or category N3, means the vehicle in respect of which a type-approval certificate has been issued under section 110B of the Act, after the commencement of the Motor Vehicles (Eleventh Amendment) rules, 2022.]

(2) [One year from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, every goods carriage carrying goods of dangerous or hazardous nature to human

life, shall be fitted with techograph (an instrument to record the lapse of running time of the motor vehicle; time speed maintained, acceleration, deceleration, etc.) conforming to the specifications of the Bureau of Indian Standards.]

1. [every vehicle of categories N2 and N3, manufactured on and after the 1 : Inserted by G.S.R. 617(E), dated 03-08-2022 (w.e.f. 03-08-2022). [Download GSR 617(E)]
2. st Day of September, 2022, in the case of new models, and 1st day of January, 2023, in the case of existing models, carrying dangerous or hazardous goods, shall be fitted with a vehicle tracking system device as per AIS 140. : Inserted by G.S.R. 617(E), dated 03-08-2022 (w.e.f. 03-08-2022). [Download GSR 617(E)]
3. [One year from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, every goods carriage carrying goods of dangerous or hazardous nature to human life, shall be fitted with techograph (an instrument to record the lapse of running time of the motor vehicle; time speed maintained, acceleration, deceleration, etc.) conforming to the specifications of the Bureau of Indian Standards.] : Inserted by G.S.R. 338(E), dated 26-3-1993 (w.e.f. 26-3-1993) [Download GSR 338(E)]

Rule 129-A ~ Spark arrester.

Six months from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, every goods carriage carrying goods of dangerous or hazardous nature to human life shall be fitted with a spark arrester.

1. Six months from the date of commencement of Central Motor Vehicles (Amendment) Rules, 1993, every goods carriage carrying goods of dangerous or hazardous nature to human life shall be fitted with a spark arrester. : Inserted by G.S.R. 338(E), dated 26-3-1993 (w.e.f. 26-3-1993) [Download GSR 338(E)]

Rule 130 ~ Manner of display of class labels.

(1) Where a class label is required to be displayed on a vehicle, it shall be so positioned that the size of the class label is at an angle of 45 degrees to the vertical and the size of such label shall not be of less than twenty-five millimetres square which may be divided into two portions, the upper half portion being reserved for the pictorial symbol and the lower half for the text:

Provided that in the case of smaller packages a suitable size of the label may be adopted.

(2) Where the class label consists of adhesive material, it shall be water proof and where it consists of metal or other substance on which the pictorial symbol and the text are printed, painted or affixed, they shall be affixed directly on such material and in every case, the surface of the vehicle surrounding the label shall be of a colour that contrasts vividly with the background of the class label.

(3) Every goods carriage carrying any dangerous or hazardous goods shall display the class label on the places shown in the Table in rule 134.

Rule 131 ~ Responsibility of the consignor for safe transport of dangerous or hazardous goods.

(1) [It shall be the responsibility of the consignor intending to transport any dangerous or hazardous goods listed in Table III, to ensure the following, namely:—

- a. The goods carriage has a valid registration to carry the said goods;
- b. The vehicle is equipped with necessary first-aid, safety equipment and antidotes as may be necessary to contain any accident;
- c. That the transporter or the owner of the goods carriage has full and adequate information about the dangerous or hazardous goods being transported; and
- d. That the driver of the goods carriage is trained in handling the dangers posed during transport of such goods.

(2) Every consignor shall supply to the owner of the goods carriage, full and adequate information about the dangerous or hazardous goods being transported as to enable such owner and its driver to,—

- a. Comply with the requirements of rules 129 to 137 (both inclusive) of these rules; and
- b. Be aware of the risks created by such goods to health or safety of any person.

(3) It shall be the duty of the consignor to ensure that the information is accurate and sufficient for the purpose of complying with the provisions of rules 129 to 137 (both inclusive) of these rules.]

1. [It shall be the responsibility of the consignor intending to transport any dangerous or hazardous goods listed in Table III, to ensure the following, namely:— : Rule 131

substituted by G.S.R. 338(E), dated 26-3-1993 (w.e.f. 26-3-1993) [Download GSR 338(E)]

Rule 132 ~ Responsibility of the transporter or owner of goods carriage.

(1) [It Shall be the responsibility of the owner of the goods carriage transporting any dangerous or hazardous goods to ensure the following, namely:—

- a. that the goods carriage has a valid registration to carry the said goods and the said carriage is safe for the transport of the said goods; and
- b. the vehicle is equipped with necessary first-aid, safety equipment, toolbox and Antidotes as may be necessary to contain any accident.

(2) Every owner of a goods carriage shall, before undertaking the transportation of dangerous or hazardous goods in his goods carriage, satisfy himself that the information given by the consignor is full and accurate in all respects and correspond to the classification of such goods specified in rule 137.

(3) The owner of a goods carriage shall ensure that the driver of such carriage is given all the relevant information in writing as given in Annexure V of these rules in relation to the dangerous or hazardous goods entrusted to him for transport and satisfy himself that such driver has sufficient understanding of the nature of such goods and the nature of the risks involved in the transport of such goods and is capable of taking appropriate action in case of an emergency.

(4) The owner of the goods carriage carrying dangerous or hazardous goods, and the consignor of such goods shall lay down the route for each trip which the driver shall be bound to take unless directed or permitted otherwise by the Police Authorities. They shall also fix a time table for each trip to the destination and back with reference to the route so laid down.

(5) It shall be the duty of the owner to ensure that the driver of the goods carriage carrying dangerous or hazardous goods holds a driving licence as per provisions of rule 9 of these rules.

(6) Notwithstanding anything contained in rules 131 and 132, it shall be sufficient compliance of the provisions of these rules if the consignor transporting dangerous or hazardous goods and the owner of the goods carriage or the transporter, abides by these

conditions within six months after the date of coming into force of the Central Motor Vehicles(Amendment) Rules,1993.]

1. [It Shall be the responsibility of the owner of the goods carriage transporting any dangerous or hazardous goods to ensure the following, namely:— : Rule 132 substituted by G.S.R. 338(E), dated 26-3-1993 (w.e.f. 26-3-1993) [Download GSR 338(E)]

Rule 133 ~ Responsibility of the driver.

(1) [The driver of a goods carriage transporting Dangerous or hazardous goods shall ensure that the information given to him in writing under sub-rule (3) of rule 132 is kept in the driver's cabin and is available at all time while the dangerous or hazardous goods to which it relates, are being transported.]

(2) Every driver of a goods carriage transporting any dangerous or hazardous goods shall observe at all times all the directions necessary for preventing fire, explosion or escape of dangerous or hazardous goods carried by him while the goods carriage is in motion, and when it is not being driven he shall ensure that the goods carriage is parked in a place which is safe from fire, explosion and any other risk, and at all times the vehicle remains under the control and supervision of the driver or some other competent person above the age of 18 years.]

1. [The driver of a goods carriage transporting Dangerous or hazardous goods shall ensure that the information given to him in writing under sub-rule (3) of rule 132 is kept in the driver's cabin and is available at all time while the dangerous or hazardous goods to which it relates, are being transported. : Rule 133 substituted by G.S.R. 338(E), dated 26-3-1993 (w.e.f. 26-3-1993) [Download GSR 338(E)]

Rule 134 ~ Emergency information panel.

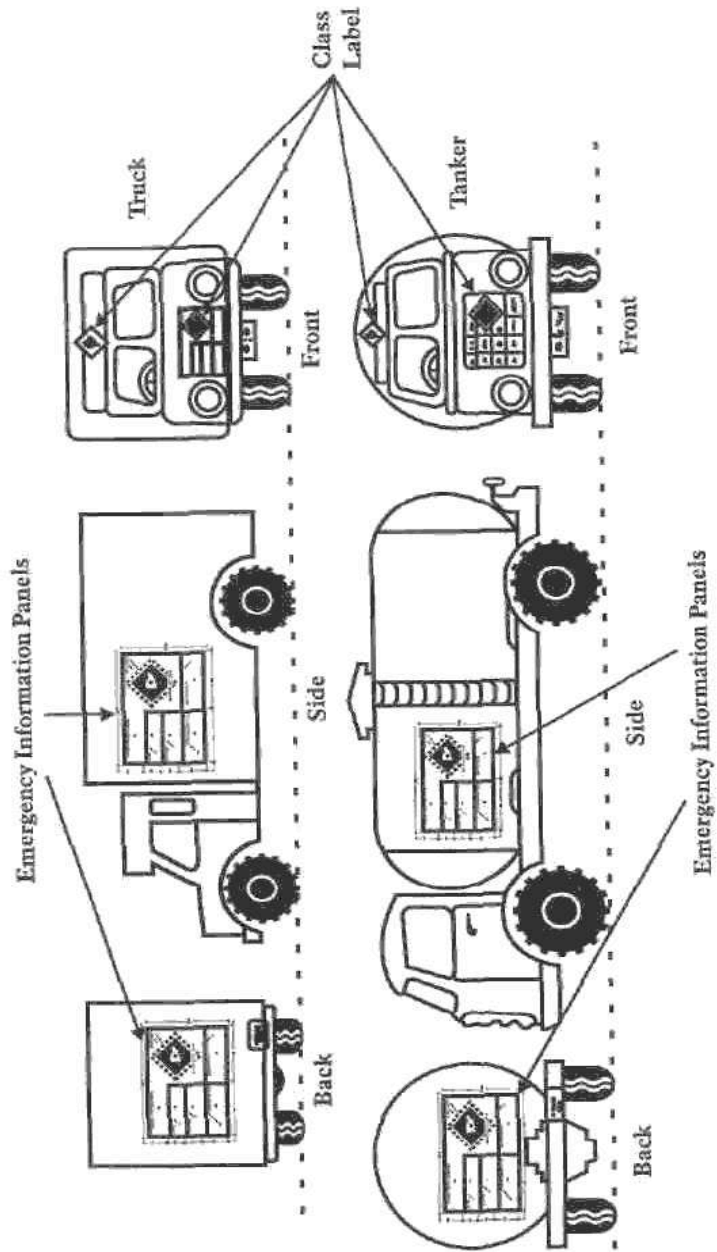
(1) Every goods carriage used for transporting any dangerous or hazardous goods shall be legibly and conspicuously marked with an emergency information panel in each of the three places indicated in the Table below so that the emergency information panel faces to each side of the carriage and to its rear and such panel shall contain the following information, namely:

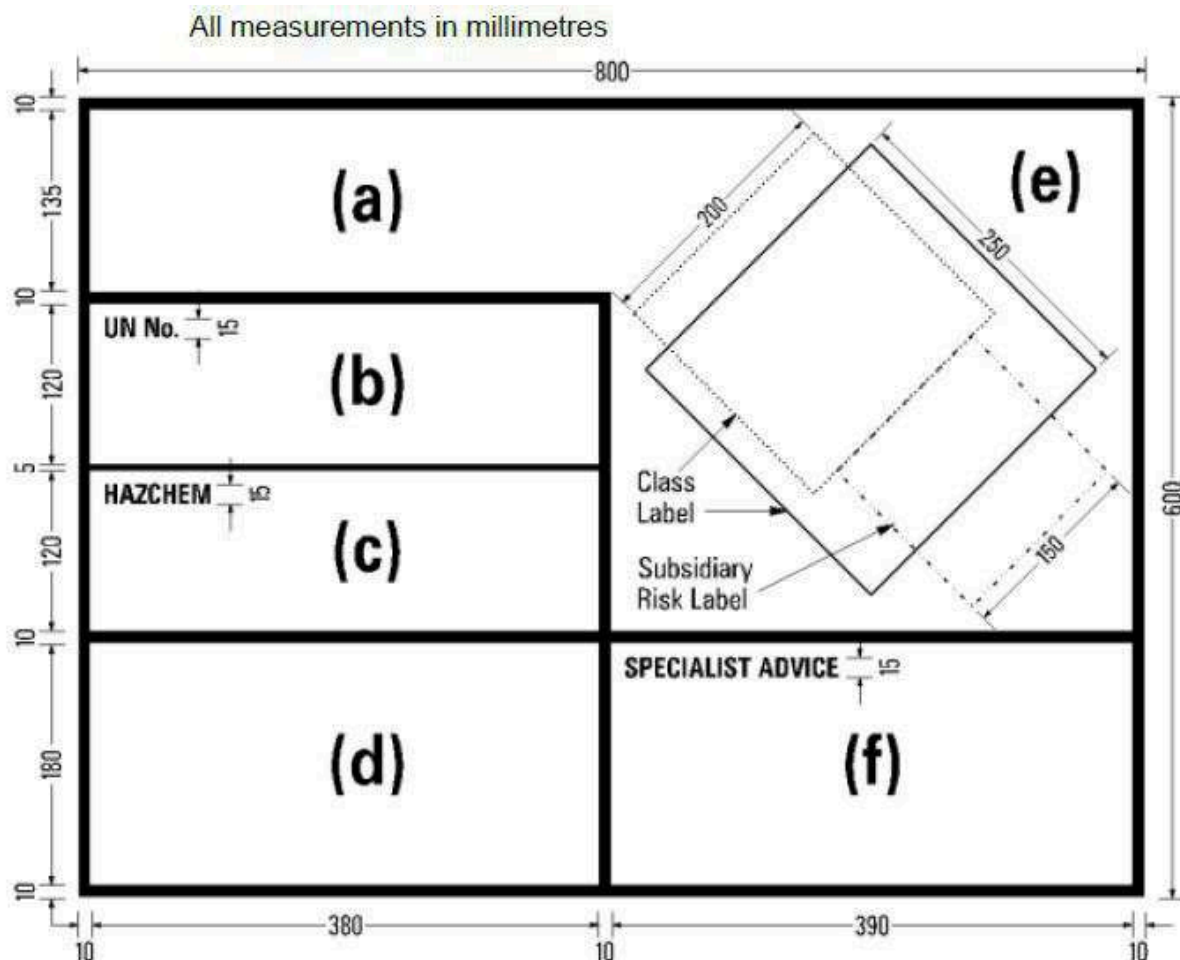
—

- i. the correct technical name of the dangerous or hazardous goods in letters not less than 50 millimetres high;

- ii. the United Nations class number for the dangerous or hazardous goods as given in Column 1, Table 1 appended with rule 137, in numerals not less than 100 millimetres high;
 - iii. The class label of the dangerous or hazardous goods of the size of not less than 250 millimetres square;
 - iv. The name and telephone number of the emergency services to be contacted in the event of fire or any other accident in letters and numerals that are not less than 50 millimetres high and the name and telephone number of the consign or of the dangerous or hazardous goods or of some other person from whom expert information and advice can be obtained concerning the measures that should be taken in the event of an emergency in involving such goods.
- (2) [The information contained in sub-rule (1) shall also be displayed on the vehicle by Means of a sticker relating to the particular dangerous or hazardous goods carried in that particular trip.]
- (3) Every class label and emergency information panel shall be marked on the goods Carriage and shall be kept free and clean from obstructions at all times.

TABLE - PLACES FOR FIXING EMERGENCY INFORMATION PANELS ON VEHICLES AND DIMENSIONS





1. [The information contained in sub-rule (1) shall also be displayed on the vehicle by Means of a sticker relating to the particular dangerous or hazardous goods carried in that particular trip.] : Inserted by G.S.R. 338(E), dated 26-3-1993 (w.e.f. 26-3-1993)
[Download GSR 338(E)]

Rule 135 ~ Driver to be instructed.

The owner of every goods carriage transporting dangerous or hazardous goods shall ensure to the satisfaction of the consign or that the driver of the goods carriage has received adequate instructions and training to enable him to understand the nature of the goods being transported, by him, the nature of the risks arising out of such goods, precautions he should take while the goods carriage is in motion or stationary and the action he has to take in case of any emergency.

Rule 136 ~ Driver to report to the police station about accident.

The driver of a goods carriage transporting any dangerous or hazardous goods shall, on the occurrence of an accident involving any dangerous or hazardous goods transported by this


carriage, report forthwith to the nearest police station and also inform the owner of the goods carriage or the transporter regarding the accident.



1. The driver of a goods carriage transporting any dangerous or hazardous goods shall, on the occurrence of an accident involving any dangerous or hazardous goods transported by this carriage, report forthwith to the nearest police station and also inform the owner of the goods carriage or the transporter regarding the accident. : substituted by G.S.R. 338(E), dated 26-3-1993 (w.e.f. 26-3-1993) [Download GSR 338(E)]




Rule 137 ~ Class Labels.



In respect of the dangerous or hazardous goods specified in column (2) of the Table below, the labels specified in the corresponding entry in column (3) shall be the class labels, namely:—




TABLE I - Class of Labels



Class of Labels		
UN Class No.	Classification of goods	Class labels
(1)	(2)	(3)
1	Explosive	
		Symbol (exploding bomb) : Black
		Background : Orange



2	Gases, compressed, liquefied, dissolved under pressure or deeply refrigerated.	
2.1	Non-flammable gases	
		Symbol (gas cylinder) : Black or White
		Background : Green
2.2	Inflammable gases	
		Symbol (Flame) : Black or White
		Background : Red
2.3	Poison (toxic) gases	

		
		Symbol (skull and crossbones): Black
		Background : White
3	Inflammable Liquids	
		Symbol (flame) : Black or White
		Background : Red
4	Inflammable solids, substance liable to spontaneous combustion; substances which, on contract with water, emit inflammable gases.	
4.1	Inflammable solids	

		Symbol (flame) : Black or white
		Background : Red
4.2	Substances liable to spontaneous combustion	
		Symbol (flame) : Black
		Background : Upper half white and lower half red
4.3	Substances which, on contact with water, emit inflammable gases	
		Symbol (flame) : Black or White
		Background : Blue
5	Oxidizing substances and organic peroxides.	
5.1	Oxidizing substances	

		
		Symbol (flame over circle) : Black
		Background : Yellow
5.2	Organic peroxides	
		Symbol (flame over circle) : Black
		Background : Yellow
6	Poisonous (toxic) substances and infectious substances.	
6.1	Poisonous (toxic) substances	
		Symbol (skull and crossbones) : Black

		Background : White
6.2	Harmful substances	
		Symbol (St. Andrew's cross over and ear of wheat) : Black
		Background : White
		The bottom half of the label should bear the inscription : Harmful : Stow away from food-stuffs
6.3	Infectious substances	
		Symbol (three crescents superimposed on a circle) and inscription : Black
		Background : White
		The bottom half of the label should bear: Infectious substances (optional) and the inscription “ In the case of damage or leakage immediately notify Public Health Authority (optional)
7	Radioactive substances	

		
		Symbol-3 segments of a circle – a number and lettering of the class label) shall be black on a white background and the parallel lines bordering the class label shall be black and shall be 5mm thick
8	Corrosives	
		Symbol (liquids spilling from two glass vessels and attaching a hand and a metal) : Black
		Background : Lower half black with white border

► Dimension sample of class label

TABLE II - Indicative Criteria.

(A) Explosives.

An explosive means a solid or liquid or pyrotechnic substance (or a mixture of substances) or an article,—

- i. which is in itself capable by chemical reaction of production of gas at such a temperature and as such a speed as to cause damage to the surroundings;
- ii. which is designed to produce an effect, by heat, light, sound, gas or smoke or a combination of these, of non-detonative self-sustaining exothermic chemical reaction.

(B) Gas.

(1) A gas is a substance which—

- i. at 50°C has a vapour pressure greater than 300 k Pa; or
- ii. is completely gaseous at 20°C at a standard pressure of 101.3 k Pa.

(2) Substances of gas are assigned to one of three following divisions based on the primary hazard of the gas during transport;

(a) Flammable gases: Gases which at 20°C and a standard pressure of 101.3 kPa,—

- i. are ignitable when a mixture of 13 percent or less by volume with air; or
- ii. have a flammable range with air of at least 12 percentage points regardless of the lower flammable limit. Flammability shall be determined by tests or by calculation in accordance with methods adopted by International Standards Organization [ISO: 10156:1996] or by Bureau of Indian Standards [IS:1446-1985];

(b) Non-flammable, non-toxic gases: Gases which are transported a pressure not less than 280 kPa at 20°C, or as refrigerated liquids and which,—

- i. are asphyxiant-gases which dilute or replace the oxygen normally in the atmosphere;
- ii. are oxidizing-gases which may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does; or {Hi} do not come under the other divisions;

(c) Toxic gases: Gases which are known to be so toxic or corrosive to humans as to pose a hazard to health.

Note.—Gases meeting the above criteria owing to their corrosivity are classified as toxic with a subsidiary corrosive risk.

(C) Flammable chemicals.

(i) Flammable gases.—Gases which at 20°C and at standard pressure of 101.3k Pa are:

- a. ignitable when a mixture of 13 percent or less by volume with air or
- b. have a flammable range with air of at least 12 percentage points regardless of the lower flammable limits.

Note.—The flammability shall be determined by tests or by calculation in accordance with methods adopted by International Standards Organization (ISO: 10156: 1996) or by Bureau of Indian Standards (IS:1446-1985).

(ii) Extremely flammable liquids. —Chemicals which have flash point lower than or equal to 23°C and boiling point less than 35°C.

(iii) Very highly flammable liquids. — Chemicals which have a flash point lower than or equal to 23°C and initial boiling point higher than 35°C.

(iv) Highly flammable liquids.—Chemicals with a flash point lower than or equal to 60°C but higher than 23°C.

(v) Flammable liquids.—Chemicals which have a flash point higher than 60°C but lower than 90°C.

(D) Reactive Substances.

Reactive substances are those substances which start reacting chemically with any other material and reducing gases through their owned composition. Such substances are Inorganic Alkalies (for example NaOH, Iodine and the like) and Acids (for example H₂SO₄, HN0₃, HCL and the like)

(E) Oxidizing Substances.

- a. Oxidizing substances:

Substances which, while in themselves not necessarily combustible, may generally by yielding oxygen, cause or contribute to the combustion of other material. Such substances may

be contained in an article;

b. Organic peroxides:

Organic substances which contain the bivalent-O-O- structure and may be considered derivative of hydrogen peroxide, where one or both of the hydrogen atoms have been replaced by organic radicals. Organic peroxides are thermally unstable substances which may undergo exothermic self- accelerating decomposition. In addition, they may have one or more of the following properties,—

- i. be liable to explosive decomposition;
- ii. burn rapidly;
- iii. be sensitive to impact or friction;
- iv. react dangerously with other substances;
- v. cause damage to the eyes.

(F) Toxic.

Toxic chemicals:— Chemical having the following values of acute toxicity and which owing to their physical and chemical properties, are capable of producing major accident hazards:—

<i>Sl. No</i>	<i>Toxicity</i>	<i>Oral toxicity (mg/kg)</i>	<i>Dermal toxicity (mg/kg)</i>	<i>Inhalation to (mg/l)</i>
1	Extremely toxic	>5	<40	<0.5
2	Highly toxic	>5-50	>40-200	<0.50-10
3	Toxic	>50-200	>200-1000	>2-10

1. LD₅₀ oral in rats

2. LD₅₀ coetaneousinratsorrabbits

3. LC₅₀ byinhalation(fourhours) inrats.

(G) Radioactive.

Radio active materials mean any material containing radio nuclide where both the activity concentration and the total activity in the consignment exceed the values specified, depending on the type of material by the Atomic Energy Commission of India.

(H) Corrosive.

Corrosive substances are substances which by chemical action will cause severe damage when in contact with living tissue or in the case of leak age will materially damage or even destroy other goods or the means of transport. They may also cause other hazards.

E – Explosive

F – Flammable

O – Oxidizing

R – Reactive

C – Corrosive

Ra – Radioactive

T – Toxic

G – Gas

TABLE III - List of Hazardous Goods

SL No.	Name	E	F	O	R	C	F
1	1 Hexene	E	F				
2	1 Methylpiperidine		F				
3	1, I-Difluoroethylene (Refrigerated Gas R 1132a						
4	1, 2-Dichloro- 1, 1, 2, 2-Tetrafluoroethane (Refrigerated Gas R 114)						
5	1, 1, 1, 2-Tetrafluoroethane (Refrigerant Gas R 134a)						
6	1, 1, 1 -Trifluoroethane (Refrigerant Gas R 143a)						
7	1, 1; Trichloroethane						
8	1, 1 -Dichloro-I-Nitroethane						

9	1, 1-Dichloroethane		F				
10	1,1-Difluoroethane						
11	1,1-Dimethoxyethane		F				
12	1, 2, 3, 6-Tetrahydrobenzaldehyde		F				
13	1, 2, 3, 6-Tetrahydropyridine		F				
14	1, 2-Butylene Oxide, Stabilized		F				
15	1, 2-Di-(Dimethylamino) Ethane		F				
16	1, 2-Dibromobutan 3-one						
17	1, 2-Dichloroethylene		F				
18	1, 2-Dichloropropane		F				
19	1, 2-Dimethoxyethane		F				
20	1, 2-Epoxy-3-Ethoxypropane		F				
21	1, 2-Propylenediamine					C	
22	1, 3, 5-Trimethylbenzene		F				
23	1, 3-Dichloroacetone						
24	1, 3-Dichloropropanol-2						

[Download List of Hazardous Goods - Table III](#)

Chapter VI ~ CONTROL OF TRAFFIC.

Rule 138 to 139

Rule 138 ~ Signals and additional safety measures for motor vehicle.

(1) The driver of a motor vehicle] shall make such signals and on such occasions as are specified in the regulations made under section 118.

(2) The driver of a motor cycle shall, in addition to the safety measures mentioned in sub-section (1) of section 128, comply with the requirements of rule 123.

(3) [\[In a motor vehicle, in which seat-belts have been provided under sub-rule \(1\) or sub-rule \(1-A\) of rule 125 or rule 125-A, as the case may be, it shall be ensured that the driver, and the](#)

person seated in the front seat or the persons occupying front facing rear seats, as the case may be, wear the seat belts while the vehicle is in motion.]

(4) On and after expiry of one year from the date of commencement of the Central Motor Vehicles (Amendment) Rules, 1999, the driver of every vehicle shall ensure that the following items are carried in the vehicle, namely:—

a. in case of vehicles other than motor cycles, a spare wheel ready for use:

Provided that in case of M1 and N1 categories of vehicles, use of temporary use spare wheel shall be permitted and the provision of ready to use spare wheel shall not be mandatory, if such vehicles are fitted with run flat tyres as standard;]

[Provided further that in case of M1 category of vehicle fitted with tubeless tyre and supplied with tyre repair kit as a standard item, it may not require a ready to use or temporary use spare wheel.

Explanation: For the purposes of this rule, tyre repair kit means an easy to repair kit stored in the vehicle, which in the incident of tyre puncture is used to seal the punctured spot in the tyre tread using specific sealant poured into the tyre along with compressed air.]

b. tool kit as prescribed by the manufacturer;

c. triangles of size 150 mm with a red reflecting surface as per IS:8339-1993 specified by the Bureau of Indian Standards, for keeping in front and rear of the vehicle in case the vehicle is stranded on the road (applicable to vehicles other than two and three-wheelers); as specified below, namely:—

- one triangle in case of four-wheelers with GVW not exceeding 7.5 tons;
- two triangles in case of four-wheelers with GVW exceeding 7.5 tons:

[Provided that in case of vehicles manufactured on and after 1st January, 2003, the triangles of size and specification shall conform to AIS:022-2001, as may be amended from time to time, till such time as corresponding Bureau of Indian Standards specifications are notified:]

[Provided further that in addition, [M3] category of vehicles shall also be required to install retro-reflective triangle complying to AIS:022:2001 as amended from time to time, excluding the requirements specified in clauses 7.2, 7.3, 7.4, 7.7, 8.1.2 and 5.0, 6.0, 11.0 of Annexure 4 of the said standard. The colour of the triangle fitted in the front of the vehicle shall be white and

that of rear shall be red. The location of both the triangles shall be at least one meter above the ground level at the front and rear, preferably at the centre of the vehicle. For the purposes of white colour warning triangle, the word red shall be substituted by word white, wherever applicable in AIS:022:2001. The colour requirements of white retro-reflective portion shall be as per clause 8.5 of AIS:057 and white fluorescent material shall be as per clause 7.1 of ISO:7591-82(E);]

d. first-aid kit containing a tube of antiseptic cream containing 0.5% of Centrimide B.P. in a non-greasy base, [a tube of Feracrylum of 1% gel,] sterilised dressings, sterilised elastic plaster, waterproof plaster, gauze and elastic bandage for wounds and burns,

e. number of chock blocks for four-wheelers as specified below, namely:—

- one chock block in case of four-wheelers with GVW exceeding 4 tons and less than 7.5 tons;
- two chock blocks in case of 4-wheelers with GVW exceeding 7.5 tons;

The vehicle manufacturer shall ensure that the above items are supplied at the time of first sale of vehicle;

f. at the time of purchase of the two wheeler, the manufacturer of the two wheeler shall supply a protective headgear conforming to specifications prescribed by the Bureau of Indian Standards under the Bureau of Indian Standards Act, 1986 (63 of 1986):

Provided that these conditions shall not apply to category of persons exempted in terms of section 129 and the rules made thereunder by the concerned State Government.

(5) Halogen bulbs with P45t cap shall not be used for headlights on all vehicles. Wattage of halogen bulbs shall not exceed 70/75 watts for 24 volts and 60/65 for 12 volts systems.]

(6) [On and after 1st April 2016, the driver of motor vehicle of M1 category, manufactured on and later 1st October 2014, excluding transport vehicles and special purpose vehicles shall ensure that a child up to age of twelve years, carried in the vehicle is seated in an appropriate child restraint system conforming to AIS: 072-2009.]

(7) After one year from the date of publication of the Central Motor Vehicles (Second Amendment) Rules, 2022, the driver of a motorcycle shall ensure the following safety

measures while carrying a child between the age of nine months and four years, on the vehicle as a pillion, namely: -

(i) For children below four years, Safety harness shall be used for attaching the child to the driver of the motorcycle.

Explanation.- Safety harness is a vest to be worn by the child, which shall be adjustable, with a pair of straps attached to the vest and forming shoulder loops to be worn by the driver. This way, the upper torso of the child is securely attached to the driver. A feature by which this is achieved is by attaching the straps to the back of the vest and crossing the straps over the vest so that two large crossing-over loops are formed that pass between the legs of the passenger and child sits on the seat of the two-wheeler. The protective gear including Safety harness shall meet the following requirements till such time the specifications are prescribed by the Bureau of Indian Standards under the Bureau of Indian Standards Act, 2016 (11 of 2016):-

Specifications of Safety harness

- a. Light weight, adjustable, waterproof and durable;
- b. Heavy nylon/ multi-filament nylon material with high density foam with sufficient cushioning;
- c. Shall be designed to hold weight upto 30 kg.

The figures are for illustration

(ii) Crash helmet: The driver shall ensure that the child pillion passenger aged between nine months and four years must wear his own crash helmet which fits his head or wear bicycle helmet complying with [ASTM 1447]/ [European (CEN)BS EN 1080/BS EN 1078] till such time that the specifications are prescribed by the Bureau of Indian Standards under the Bureau of Indian Standards Act, 2016 (11 of 2016).

(iii) The speed of the motorcycle with the child upto age four years being carried as a pillion, shall not be more than 40 kmph.

1. [In a motor vehicle, in which seat-belts have been provided under sub-rule (1) or sub-rule (1-A) of rule 125 or rule 125-A, as the case may be, it shall be ensured that the driver, and the person seated in the front seat or the persons occupying front facing rear seats, as the case may be, wear the seat belts while the vehicle is in motion.] : Sub-

- R. (3) Substituted by G.S.R. 699(E), dated 10-10-2002 (w.e.f. 10-10-2002).
2. in case of vehicles other than motor cycles, a spare wheel ready for use: : Substituted by G.S.R. 291(E), dated 24-4-2014 (w.e.f. 24-4-2014). [Download GSR 291(E)]
3. [Provided further that in case of M1 category of vehicle fitted with tubeless tyre and supplied with tyre repair kit as a standard item, it may not require a ready to use or temporary use spare wheel. : Inserted by G.S.R 457(E), dated 20/07/2020, (w.e.f 20/07/2020). [Download GSR 457(E)]
4. : Inserted by G.S.R 457(E), dated 20/07/2020, (w.e.f 20/07/2020). [Download GSR 457(E)]
5. Explanation: For the purposes of this rule, tyre repair kit means an easy to repair kit stored in the vehicle, which in the incident of tyre puncture is used to seal the punctured spot in the tyre tread using specific sealant poured into the tyre along with compressed air.] : Inserted by G.S.R 457(E), dated 20/07/2020, (w.e.f 20/07/2020). [Download GSR 457(E)]
6. [Provided that in case of vehicles manufactured on and after 1st January, 2003, the triangles of size and specification shall conform to AIS:022-2001, as may be amended from time to time, till such time as corresponding Bureau of Indian Standards specifications are notified:] : Inserted by G.S.R. 400(E), dated 31-5-2002 (w.e.f. 31-5-2002) [Download GSR 400(E)]
7. [Provided further that in addition, [M3] category of vehicles shall also be required to install retro-reflective triangle complying to AIS:022:2001 as amended from time to time, excluding the requirements specified in clauses 7.2, 7.3, 7.4, 7.7, 8.1.2 and 5.0, 6.0, 11.0 of Annexure 4 of the said standard. The colour of the triangle fitted in the front of the vehicle shall be white and that of rear shall be red. The location of both the triangles shall be at least one meter above the ground level at the front and rear, preferably at the centre of the vehicle. For the purposes of white colour warning triangle, the word red shall be substituted by word white, wherever applicable in AIS:022:2001. The colour requirements of white retro-reflective portion shall be as per clause 8.5 of AIS:057 and white fluorescent material shall be as per clause 7.1 of ISO:7591-82(E);] : Proviso inserted by G.S.R. 589(E), dated 16-9-2005 (w.e.f. 16-3-2006). [Download GSR 589(E)]
8. [a tube of Feracrylum of 1% gel,] : Inserted by GSR 934(E), dated 18-12-2019, (w.e.f. 01-04-2020) [Download GSR 934(E)] & again by GSR 174(E) dtd. 11-03-2024. [Download GSR 174(E)]
9. at the time of purchase of the two wheeler, the manufacturer of the two wheeler

shall supply a protective headgear conforming to specifications prescribed by the Bureau of Indian Standards under the Bureau of Indian Standards Act, 1986 (63 of 1986): : Inserted by G.S.R. 589(E), dated 16-9-2005 (w.e.f. 16-3-2006). [Download GSR 589(E)]

10. [On and after 1st April 2016, the driver of motor vehicle of M1 category, manufactured on and later 1st October 2014, excluding transport vehicles and special purpose vehicles shall ensure that a child up to age of twelve years, carried in the vehicle is seated in an appropriate child restraint system conforming to AIS: 072-2009.] : Substituted by G.S.R. 291(E), dated 24-4-2014 (w.e.f. 24-4-2014). [Download GSR 291(E)]

11. After one year from the date of publication of the Central Motor Vehicles (Second Amendment) Rules, 2022, the driver of a motorcycle shall ensure the following safety measures while carrying a child between the age of nine months and four years, on the vehicle as a pillion , namely: - : Sub-Rule (7) inserted by G.S.R. 126(E), dated 15-02-2022 (w.e.f. 15-02-2023). [Download GSR 126(E)]

Rule 138-A ~ Fitment of FASTag.

(1) Categories M and N motor vehicle sold on and the 1st December 2017, shall be fitted with FASTag as may be specified by the Central Government, from time to time, by the manufacturer of the vehicle or its authorised dealer, as the case may be.

Provided that in case of any vehicles which are sold in the form of drive-away-chassis, without windscreen, FASTag shall be fitted on the windscreen by the vehicle owner before the registration of such vehicles.

Explanation : For the pupose of this rule, FASTag means an onboard unit (transponder) or any such device on the front windscreen of the vehicle.

(2) [Categories M and N motor vehicles sold before 1st December, 2017 shall be fitted with FASTag on or before the 1st January, 2021.]

1. Categories M and N motor vehicle sold on and the 1st December 2017, shall be fitted with FASTag as may be specified by the Central Government, from time to time, by the manufacturer of the vehicle or its authorised dealer, as the case may be. : Rule 138A inserted by G.S.R.1361(E), dated 02-11-2017 (w.e.f. 02-11-2017). [Download GSR 1361(E)]

2. [Categories M and N motor vehicles sold before 1st December, 2017 shall be fitted with FASTag on or before the 1st January, 2021.] : Inserted by G.S.R.690(E), dated 06-11-2020. [Download GSR 690(E)]

Rule 138-B ~ Carriage of goods in motor vehicles.

[All goods carriage vehicles shall carry goods in a closed body of the vehicle or container.]

Provided that if it is necessary to carry goods in open bodies, goods shall be covered by using appropriate cover like tarpaulin or any other suitable material.

Provided further that the goods of indivisible nature, not capable of being carried in a closed body or being covered as per the first proviso, may be carried without cover.]

1. [All goods carriage vehicles shall carry goods in a closed body of the vehicle or container. : Inserted by G.S.R.1081(E), dated 02-11-2018 (w.e.f. 02-11-2018). [Download GSR 1081(E)]

2. Provided that if it is necessary to carry goods in open bodies, goods shall be covered by using appropriate cover like tarpaulin or any other suitable material. : Inserted by G.S.R.1081(E), dated 02-11-2018 (w.e.f. 02-11-2018). [Download GSR 1081(E)]

3. Provided further that the goods of indivisible nature, not capable of being carried in a closed body or being covered as per the first proviso, may be carried without cover.] : Inserted by G.S.R.1081(E), dated 02-11-2018 (w.e.f. 02-11-2018). [Download GSR 1081(E)]

Rule 139 ~ Production of licence and certificate of registration.

(1) [The driver or conductor of a motor vehicle shall produce certificates of registration, insurance, fitness and permit, the driving licence certificate for Pollution Under Check and any other relevant documents in physical or electronic form, as available on or downloaded from the portal, on demand by any police officer in uniform or any other officer, authorised by the State Government in this behalf, and if any or all of the documents are not in his possession, he shall produce in person an extract or extracts of the documents duly attested by any police officer or by any other officer or send it to the officer who demanded the documents by registered post within fifteen days from the date of demand.]

Provided that after validation of the documents in electronic form, referred to in sub-rule (1), by any police officer in uniform or any other officer, authorised by the State Government in this behalf, if the information in documents are found to be valid and in force, then physical forms of such documents shall not be demanded for inspection, including in cases where there is an offence made out necessitating seizure of any such documents.

(2) Upon demanding or inspecting any documents referred under sub-rule (1), the date and time stamp of inspection and identity of the police officer in uniform or any other officer authorised by the State Government, shall be recorded on the Portal.]

1. [The driver or conductor of a motor vehicle shall produce certificates of registration, insurance, fitness and permit, the driving licence certificate for Pollution Under Check and any other relevant documents in physical or electronic form, as available on or downloaded from the portal, on demand by any police officer in uniform or any other officer, authorised by the State Government in this behalf, and if any or all of the documents are not in his possession, he shall produce in person an extract or extracts of the documents duly attested by any police officer or by any other officer or send it to the officer who demanded the documents by registered post within fifteen days from the date of demand. : Inserted by G.S.R.584(E), dated 25-09-2020 (w.e.f. 25-09-2020).

[Download GSR 584(E)]

2. Provided that after validation of the documents in electronic form, referred to in sub-rule (1), by any police officer in uniform or any other officer, authorised by the State Government in this behalf, if the information in documents are found to be valid and in force, then physical forms of such documents shall not be demanded for inspection, including in cases where there is an offence made out necessitating seizure of any such documents. : Inserted by G.S.R.584(E), dated 25-09-2020 (w.e.f. 25-09-2020).

[Download GSR 584(E)]

3. (2) Upon demanding or inspecting any documents referred under sub-rule (1), the date and time stamp of inspection and identity of the police officer in uniform or any other officer authorised by the State Government, shall be recorded on the Portal.] :

Inserted by G.S.R.584(E), dated 25-09-2020 (w.e.f. 25-09-2020). [Download GSR 584(E)]

Rule 139-A ~ Seizure of documents produced in electronic form.

(1) [In cases where there is an offence made out necessitating seizure of any documents, and such documents are produced in electronic form in accordance with subrule (1) of rule 139(1), their seizure by any police officer or any other officer, authorised in this behalf shall be made electronically on the Portal.]

(2) Details of the seized documents shall be recorded chronologically in the relevant Portal and such record shall be reflected on a regular basis on the Portal.

(3) Upon seizing any documents in accordance with sub-rule (1), the police officer in uniform or any other officer, authorised by the State Government shall issue a receipt acknowledging such seizure, in physical or electronic form.

(4) Upon seizing any documents in accordance with sub-rule (1), the date and time stamp of seizure and identity of the police officer in uniform or any other officer authorised by the State Government, shall be recorded on the Portal.]

1. [In cases where there is an offence made out necessitating seizure of any documents, and such documents are produced in electronic form in accordance with subrule (1) of rule 139(1), their seizure by any police officer or any other officer, authorised in this behalf shall be made electronically on the Portal. : Inserted by G.S.R.584(E), dated 25-09-2020 (w.e.f. 25-09-2020). [Download GSR 584(E)]

2. (2) Details of the seized documents shall be recorded chronologically in the relevant Portal and such record shall be reflected on a regular basis on the Portal. (3) Upon seizing any documents in accordance with sub-rule (1), the police officer in uniform or any other officer, authorised by the State Government shall issue a receipt acknowledging such seizure, in physical or electronic form. : Inserted by G.S.R.584(E), dated 25-09-2020 (w.e.f. 25-09-2020). [Download GSR 584(E)]

3. (4) Upon seizing any documents in accordance with sub-rule (1), the date and time stamp of seizure and identity of the police officer in uniform or any other officer authorised by the State Government, shall be recorded on the Portal.] : Inserted by G.S.R.584(E), dated 25-09-2020 (w.e.f. 25-09-2020). [Download GSR 584(E)]

Chapter VII ~ INSURANCE OF MOTOR VEHICLES AGAINST THIRD PARTY RISKS

Rule 140 ~ Definitions.

In this Chapter, unless the context otherwise requires,—

(i) **Accounting year** - means the year commencing on the first day of April, and ending with the 31st day of March of the following year;

(ii) **Approved list** - means the list of foreign insurers and their guarantors maintained by the Central Government under these rules;

(iii) **Authority** - means the Central Government or a State Government or any local authority or any State Transport Undertaking, motor vehicles owned by whom have been exempted from the compulsory insurance under sub-section (2) of section 146;

(iv) **Bank** - means a company which accepts, for the purpose of lending or investment, deposits of money from the public repayable on demand or otherwise, and withdrawal by cheque, draft, order or otherwise;

Explanation.—Any company which is engaged in the manufacture of goods or carries on any trade and which accepts deposits of money from the public merely for the purpose of financing its business as such manufacturer or trader shall not be deemed to be a bank within the meaning of this clause;

(v) **Certificate of foreign insurance** - means a certificate issued by a foreign insurer in Form 57 in compliance with these rules;

(vi) **Foreign insurer** - means a person or firm carrying on the business of insurance incorporated or domiciled outside India and not registered under the Insurance Act, 1938 (4 of 1938);

(vii) **Fund** - means the fund established under rule 151;

(viii) **Government security** - means a Government security as defined in the Public Debt Act, 1944 (18 of 1944);

(ix) **Guarantor** - means an insurer who has guaranteed a foreign insurer in pursuance of these rules, and "guarantee", "guaranteed" and "guaranteeing" have corresponding meanings;

(x) **Visitor** - means a person bringing a motor vehicle into India and making only a temporary stay therein not extending to a continuous period of more than one year.

Rule 141 ~ Certificate of insurance.

An authorised insurer shall issue to every holder of a policy of insurance, a certificate of insurance in Form 51 in respect of each such vehicle.

Rule 142 ~ Cover notes.

(1) Every cover note issued by an authorised insurer shall be in Form 52.

(2) A cover note referred to in sub-rule (1) shall be valid for a period of sixty-days from the date of its issue and the insurer shall issue a policy of insurance before the date of expiry of the cover note.

Rule 143 ~ Issue of certificates and cover notes.

Every certificate of insurance or covernote issued by an insurer in compliance with the provisions of this Chapter shall be duly authenticated by such person as may be authorized by the insurer.

Rule 144 ~ Transfer of certificate of insurance.

When the ownership of a motor vehicle covered by a valid insurance certificate is transferred to another person together with the policy of insurance relating thereto the policy of insurance of such vehicle shall automatically stand transferred to that other person from the date of transfer of ownership of the vehicle and the said person shall within fourteen days of the date of transfer intimate to the authorized insurer who has insured the vehicle, the details of the registration of the vehicle, the date of transfer of the vehicle, the previous owner of the vehicle and the number and date of the insurance policy so that the authorized insurer may make the necessary changes in his record.

Rules 144-A ~ Recording of adapted vehicle.

When an insured motor vehicle is altered into an adapted vehicle under sub-section (2) of section 52 of the Act, the owner shall, within fourteen days from the date on which the endorsement of the adapted vehicle is made by the registering authority in the certificate of registration under rule 47B, intimate to the authorised insurer who has insured the vehicle the particulars of the adaptations made accompanied by the endorsed certificate of registration, so that the authorised insurer may make necessary changes in his record.

1. When an insured motor vehicle is altered into an adapted vehicle under sub- :
Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]
2. section (2) of section 52 of the Act, the owner shall, within fourteen days from the date on which the endorsement of the adapted vehicle is made by the registering authority in the certificate of registration under rule 47B, intimate to the authorised insurer who has insured the vehicle the particulars of the adaptations made accompanied by the endorsed certificate of registration, so that the authorised insurer may make necessary changes in his record. : Inserted by GSR 240(E), dt. 31/03/2021 (w.e.f. 01/04/2021). [Download GSR 240(E)]

Rule 145 ~ Exclusion of advertising matter.

No certificate of the insurance or cover note issued in pursuance of Chapter XI of the Act and of this Chapter shall contain any advertising matter either on the face or on the back thereof.

Rule 146 ~ Certificates or cover notes lost, destroyed, torn, soiled, defaced or mutilated.

(1) Where the holder of a policy—

- a. lodges with an authorised insurer a declaration in which he declares that a certificate of insurance or cover note issued to him by such insurer has been lost, destroyed, torn, soiled, defaced or mutilated and sets out full particulars of the circumstances connected with the loss or destruction of the certificate or cover note and the efforts made to find it; or
- b. returns to the authorised insurer the certificate of insurance or cover note issued to him by such insurer in a torn, soiled, defaced or mutilated condition; and
- c. pays to the insurer a fee of rupees twenty in respect of each such certificate or cover note, the authorised insurer shall, if satisfied that such certificate or cover note has been lost or destroyed and that all reasonable efforts have been made to find it, or that it has been destroyed or is soiled, defaced or mutilated, as the case may be, issue in lieu thereof a duplicate certificate of insurance or cover note with the word "Duplicate" prominently endorsed to the effect.

(2) When a duplicate certificate or cover note has been issued in accordance with the provisions of sub-rule (1) on representation that a certificate or cover note has been lost, and

the original certificate or cover note is afterwards found by the holder, the original certificate or cover note, as the case may be, shall be surrendered to the insurer.

Rule 147 ~ Records to be maintained by authorised insurers.

Every authorised insurer shall keep a record either electronically or otherwise of the following particulars in respect of every policy of insurance issued by him for a period of five years, namely:—

- i. full name and address of the person to whom the policy is issued;
- ii. in the case of a policy relating to a specified motor vehicle, the registration mark and the number of such vehicle and in other cases, description of the vehicle covered;
- iii. the date on which the policy of insurance comes into force and the date of its expiry;
- iv. the conditions subject to which the persons or classes of persons specified in the policy of insurance will be indemnified;
- v. the number and date of issue of every certificate of insurance or cover note issued in connection with the policy of insurance;
- vi. the date, if any, on which any duplicate certificate of insurance or cover note was issued;
- vii. whether, after the issue of duplicate, the original certificate of insurance was found and subsequently surrendered to the insurer and if so, on which date.

1. either electronically or otherwise : Inserted by GSR 164(E), dt. 25/02/2022 (w.e.f. 01/04/2022). [Download GSR 164(E)]

Rule 148 ~ Records of exempted vehicles.

(1) In the case of a motor vehicle owned by any of the authorities specified in sub-section (2) of section 146 as also in the case of motor vehicles exempted under sub-section (3) of section 146, a certificate in Form 53 signed by a person authorised in that behalf by such authorities may be produced in evidence that the motor vehicle is not being driven in contravention of section 146.

(2) The authority referred to in sub-section (2) or exempted under sub-section (3) of section 146 shall keep a record of the motor vehicles owned by it in respect of which a policy of insurance has not been obtained and of any certificates issued by it under these provisions in respect of such vehicles, and of the names and addresses of the persons to whom such certificates have been issued and of the cancellation of any such certificates.

Rule 149 ~ Supply of information.

Any person, authority or authorised insurer required under the provisions of this Chapter to keep records of documents shall furnish on request without any charge any particulars thereof to the Central Government or a State Government or to any police officer authorised in this behalf by the State Government.

Rule 150 ~ Furnishing of copies of reports to Claims Tribunal.

(1) The police report referred to in [section 159](#) shall be in Form 54, [and the accident information report shall be submitted to the Claims Tribunal, insurer and such other agency as may be notified by the Central Government.](#)

(2) A registering authority or a police officer who is required to furnish the required information to the person eligible to claim compensation under section 160 [or insurer against whom a claim has been made and such other person as may be notified by the Central Government](#), shall furnish the information in Form 54, within seven days from the date of receipt of the request and on payment of a fee of rupees ten.

1. section 159 : Substituted for the words "Sub-section (6) of Section 158" by GSR 164(E), dt. 25/02/2022 (w.e.f. 01/04/2022). [Download GSR 164(E)]
2. and the accident information report shall be submitted to the Claims Tribunal, insurer and such other agency as may be notified by the Central Government. : Inserted by GSR 164(E), dt. 25/02/2022 (w.e.f. 01/04/2022). [Download GSR 164(E)]
3. or insurer against whom a claim has been made and such other person as may be notified by the Central Government, : Inserted by GSR 164(E), dt. 25/02/2022 (w.e.f. 01/04/2022). [Download GSR 164(E)]

Rule 150-A ~ Procedure for investigation of road accident.

The procedure to be followed for investigation of all accidents arising out of the use of motor vehicles shall be in accordance with Annexure-XIII and in the manner of submission and form, including electronic submission on such Portal as may be specified.

1. The procedure to be followed for investigation of all accidents arising out of the use of motor vehicles shall be in accordance with Annexure-XIII and in the manner of submission and form, including electronic submission on such Portal as may be specified. : Inserted by GSR 164(E), dt. 25/02/2022 (w.e.f. 01/04/2022). [Download GSR 164(E)]

Rule 151 ~ Establishment of fund.

(1) Each of the authorities referred to in subsection (3) of section 146 shall establish a fund for meeting any liability arising out of the use of any motor vehicle of that authority or any person in its employment may incur to third parties including liability arising under the Workmen's Compensation Act, 1923 (8 of 1923).

Rule 152 ~ Amount of the fund.

(1) The fund shall be established with an initial amount of not less than rupees five lakhs and the said amount shall be kept in deposit with a bank or the Government.

(2) Subject to the provisions of sub-rule (3), the authority shall pay into the fund at the beginning of each accounting year in respect of its vehicles in running condition a sum of not less than rupees two hundred per vehicle.

Explanation : In this sub-rule "vehicles in running condition" means all the vehicles of the authority which are expected to be in operation at any time during the accounting year.

(3) When the fund exceeds rupees twenty lakh or rupees two thousand and five hundred per vehicle for the entire fleet of vehicle, whichever is less, annual payment referred in sub-rule (2) shall cease provided that if thereafter the amount at the credit of the fund falls below rupees twenty lakhs or rupees two thousand and five hundred per vehicle for the entire fleet of vehicles, whichever is less, such annual payment shall again be resumed:

Provided that if any authority other than the Central Government is of opinion that the amount of rupees twenty lakhs or rupees two thousand and five hundred per vehicle for the entire fleet of vehicles, whichever is less, is not adequate, it may, with the previous approval

of the Central Government continue the annual payment beyond rupees twenty lakhs or rupees two thousand and five hundred per vehicle, as the case may be.

Rule 153 ~ Investment of the fund.

From the amount at the credit of the fund the authority shall keep and maintain a cash deposit of not less than rupees fifty thousand in the bank and the rest of the amount at the credit of the fund shall be invested in Government securities.

Rule 154 ~ Securities held as a deposit in the fund.

(1) All Government securities in which the fund is invested shall be transferred to the bank by the authority.

(2) It shall be competent for the authority at any time to exchange the Government securities for cash or for other Government securities of equal or greater market value, or both, and the bank shall carry out the instructions issued by the authority for such exchange after charging the usual commission to the authority. The securities so exchanged shall also be transferred to the bank.

Rule 155 ~ Deposit procedure.

(1) As soon as the fund is established, the bank shall send to the authority a statement specifying the assets held by it on behalf of the authority and shall also send a copy thereof to the Central Government in the Ministry of Surface Transport or the State Government concerned, as the case may be.

(2) The statement referred to in sub-rule (1) shall be sent in the same manner and to the same authorities whenever there is a change in the assets of the authorities held by the bank.

Rule 156 ~ Interest on deposits.

Interest realised on each deposit or the securities held in the fund shall be paid by the bank to the authority.

Rule 157 ~ Withdrawal.

(1) No amount shall be withdrawn from the fund except for the purpose of meeting any liability arising out the use of any motor vehicle of the authority which the authority or any

person in the employment of the authority may incur to third parties including liability arising under the Workmen's Compensation Act, 1923 (8 of 1923).

(2) The authority shall, subject to such conditions and restrictions as it may impose in this behalf, authorise one of its officers to draw money from the fund for the purpose mentioned in sub-rule (1).

(3) A copy of the authorisation referred to in sub-rule (2) duly authenticated by a competent officer of the authority shall be sent to the bank which shall permit withdrawal only by the officer named in such authorization subject to the conditions and restrictions contained therein.

Rule 158 ~ Settlement of claims.

The authority shall comply with such directions as the Central Government or the State Government, as the case may be, may, from time to time issue, with respect to the procedure to be followed for settlement of claims which are to be met out of the funds.

Rule 159 ~ List of foreign insurers.

(1) The Central Government shall publish in the Official Gazette a list (hereinafter referred to as the approved list) of foreign insurers who have been guaranteed in accordance with the provisions of this Chapter, together with the name of the guarantor or guarantors in each case and shall also publish from time to time any addition to or removal from the approved list.

(2) No foreign insurer's name shall be added to the approved list until such foreign insurer has been guaranteed by at least one insurer and the name of the foreign insurer who ceases to have at least one guarantor shall be removed from the list.

Rule 160 ~ Guarantor of foreign insurer.

(1) An insurer who desires to guarantee a foreign insurer shall make application therefore to the Central Government in Form 55.

(2) The Central Government may, if it is satisfied that the application referred to in sub-rule (1) is in order and that it is expedient that the foreign insurer be placed in the approved list or, where the name of the foreign insurer is already included in the approved list, that the

insurer should be added to the approved list as guarantor of the foreign insurer, and the name of the foreign insurer to the approved list if it is not already included, and include the insurer as a guarantor of such foreign insurer.

(3) A guarantor desiring to cease guaranteeing a foreign insurer shall give notice of not less than two months to the Central Government in Form 56, and where such notice has been given, the guarantor shall be deemed to have ceased to guarantee the foreign insurer from the date specified in the notice:

Provided that the insurer shall be deemed, in respect of all certificates of foreign insurance endorsed or renewed in accordance with the provisions of sub-rule (2) of rule 161 before the date of such cessation, to continue as the guarantor of the foreign insurer who has issued the certificate as if the guarantor had not ceased to be his guarantor.

(4) If at any time a guarantor ceases to be an insurer, the Central Government may, after giving such notice as may appear to it to be necessary, remove from the approved list the name of such guarantor wherever it appears:

Provided that the guarantor who ceases to be an insurer shall be deemed, in respect of all certificates of foreign insurance endorsed in pursuance of the provisions of sub-rule (2) of rule 161 before the date of removal of the name of the guarantor from the approved list, to continue as the guarantor of the foreign insurers as if the guarantor had not ceased to be an insurer and as if his name had not been removed from the list.

Rule 161 ~ Endorsement of certificate of foreign insurance.

(1) A visitor wishing to have a certificate of foreign insurance endorsed or re-endorsed shall produce such certificate in Form 57 before the Customs Collector at a port of entry or land customs post or to such other officer as the Central Government may, by notification in the Official Gazette appoint, for the purpose of endorsement in accordance with the provisions of this Chapter or for the purpose of the renewal of any endorsement already made on the certificate in accordance with this Chapter.

(2) Such officer shall, if satisfied that the certificate of foreign insurance complies with the requirements of the provisions of this Chapter, that the period of validity of such certificate in India has not expired, that the certificate has been issued by a foreign insurer in the

approved list and that the guarantor specified in the certificate is shown in the approved list as a guarantor of the foreign insurer, make an endorsement thereon in Form 58.

(3) The period of validity of an endorsement or of the renewal of an endorsement made as aforesaid shall not in any case extend beyond the date on which the certificate of foreign insurance ceases to be effective in India:

Provided that when a visitor obtains a fresh certificate of foreign insurance during the period of his stay in India, the period of validity of an endorsement made upon it added to the period of validity of an endorsement or endorsements that may have been made upon the original certificate, shall not exceed one year in all.

Rule 162 ~ Validity of certificate of foreign insurance.

A certificate of foreign insurance carrying an endorsement in accordance with the provisions of rule 161 shall have effect as if it were a certificate of insurance issued by the guarantor specified in it and shall be deemed to comply with the requirements of Chapter XI of the Act; and the policy to which it relates shall also be deemed to have been issued by such guarantor and to comply with the requirements of Chapter XI of the Act.

Rule 163 ~ Maintenance of records by the guarantor.

Every guarantor shall in respect of certificates of foreign insurance issued under his guarantee by the foreign insurer whom he has guaranteed and every person who has ceased to be a guarantor shall, in respect of the certificate of foreign insurance issued under his guarantee by the foreign insurer whom he had guaranteed at any time in the preceding five years, keep a record of such particulars relating to the policies in connection with which the certificates of foreign insurance were issued as are required to be kept by insurers under the provisions of rule 147 in respect of policies, and the necessary additions to those records required to make them up to date shall be made as soon as is reasonably possible in the circumstances.

Chapter VIII ~ OFFENCES, PENALTIES AND PROCEDURE

Rule 164 - 167

Rule 164 ~ Offences for the purpose of section 208.

The offences for the purpose of sub-section (1) of section 208 shall be

- a. Driving during the period of disqualification(section 23);
- b. Failure to stop the vehicle when it is involved in an accident (section 132);
- c. Obtaining or applying for a driving license without giving particulars of endorsement (section182);
- d. Driving dangerously (section 184);
- e. Driving while under the influence of drinks or drugs (section 185);
- f. Abetment of an offence under section 184 or section 185 or section 188;
- g. Taking part in unauthorized race or trial of speed of any kind (section 189);
- h. Altering a driving license or using an altered license;
- i. Any other offence punishable with imprisonment in the commission of which a motor vehicle was used.

Rule 165 ~ Use of handheld device.

Use of handheld communications devices while driving shall solely be used for route navigation in such a manner that shall not disturb the concentration of the driver while driving.

1. Use of handheld communications devices while driving shall solely be used for route navigation in such a manner that shall not disturb the concentration of the driver while driving. : Rule 165 inserted by G.S.R.584(E), dated 25-09-2020 (w.e.f. 25-09-2020).
[Download GSR 584(E)]

Rule 166 ~ Road Design, Construction and Maintenance Standards.

(1) [The design, construction and maintenance of national highways shall be in accordance with the standards and specifications of the Indian Road Congress as may be applicable, or any other instructions or guidelines issued by the Central Government from time to time.

(2) The design, construction and maintenance of roads other than national highways shall be in accordance with the standards and specifications of the Indian Road Congress as may be

applicable, or any other instructions or guidelines issued by the State Government from time to time.;

(3) Subject to the previous approval of the Central Government or State Government, as the case may be, deviations from applicable standards, specifications, instructions and guidelines issued under sub-rule (1) or (2), may be made due to local conditions including but not limited to site constraints or built up area or land acquisition, and a copy of the said approval shall be annexed as part of the relevant contract.

(4) The contract shall clearly define the terms designated authority, consultant and concessionaire.]

1. [The design, construction and maintenance of national highways shall be in accordance with the standards and specifications of the Indian Road Congress as may be applicable, or any other instructions or guidelines issued by the Central Government from time to time. : Rule 166 inserted by G.S.R.584(E), dated 25-09-2020 (w.e.f. 25-09-2020). [Download GSR 584(E)]

Rule 167 ~ Procedure for issuance and payment of challan.

(1) [Any police officer in uniform or any other officer, authorised by the State Government in this behalf shall issue a challan through system or e-challan facility physical or electronic form, to a person acting in violation of the provisions of the Act.

(2) Notwithstanding anything contained in sub-rule (1), in case of any person violates the provisions of the Act, the State Government or designated agency can enable auto-generation of challan through electronic monitoring and enforcement system or manually by any police officer or by a designated agency.

(3) The challan issued under sub-rules (1) or (2), shall be delivered to a person who violates the provisions of the Act either by hand or any other physical or electronic means of communication authorised by the Central Government or State Government.

(4) Details of challans issued under sub-rules (1) or (2), shall be recorded chronologically in the portal on a regular basis for access by enforcement officers.

(5) Challans issued under sub-rules (1) or (2) shall be disposed of within ninety days from the date of issuance of the challan, in physical or electronic form, except in case of offences

instituted for prosecution by a court.

(6) If a challan is due beyond the time period specified in sub-rule (5), at least one additional notice for payment may be sent through electronic means of communication authorised by the Central Government or State Government or by way of call to the registered mobile number of a person who violates the provisions of the Act.

(7) If a challan is due beyond the time period specified in sub-rule (5), except in case of offences instituted for prosecution by a court, then applications with respect to the license of offender or registration of motor vehicle, as the case may be, mentioned in the challan shall not be processed by the licensing authority or registering authority, as the case may be, except applications relating to permit, fitness and tax(es) of motor vehicle.

(8) Subject to orders of the court, in respect of challans issued under sub rules (1) or (2), a police officer in uniform authorised by the State Government in this behalf may detain the vehicle involved in violation.]

1. [Any police officer in uniform or any other officer, authorised by the State Government in this behalf shall issue a challan through system or e-challan facility physical or electronic form, to a person acting in violation of the provisions of the Act. : Rule 167 inserted by G.S.R.584(E), dated 25-09-2020 (w.e.f. 25-09-2020). [Download GSR 584(E)]

Rule 167-A ~ Electronic Monitoring and Enforcement of Road Safety.

(1) The electronic enforcement device used for issuance of a challan shall have an approval certificate signed by a designated authority of the State Government certifying that the device is accurate and operating properly and the approval certificate shall be renewed on a yearly basis.

Explanation.- (1) For the purpose of this rule, “electronic enforcement device” means a speed camera, closed-circuit television camera, speed gun, body wearable camera, dashboard camera, Automatic Number Plate Recognition (ANPR), weigh in machine (WIM) and any such other technology specified by the State Government.

(2) Body wearable camera may be worn by police officer, transport official or any other official authorised by the State Government and such officer or official shall notify to the offender that he is being recorded by the body camera and similarly, dashboard

camera may be placed on the dashboard of any police vehicle or in any other vehicle as authorised by the State Government for enforcing the traffic rules and such officer or official shall notify to the offender that he is being recorded by the dashboard camera.

(2) State Governments shall ensure that appropriate electronic enforcement devices are placed at high-risk and high-density corridors on National Highways and State Highways, and at critical junctions at least in major cities with more than one million population (as per data available based on Million Plus Urban Agglomerations or Cities: census of India 2011 or as per the latest census) including the 132 cities as specified in the table below, and the electronic enforcement device shall be placed in such a manner so as not to cause any obstruction, line-of-sight issues or interruption in traffic flow—

TABLE

List of 132 Non-attainment/ Million plus cities in India under National Clean Air Programme (NCAP)

State/Union Territory	S.No.	City
Andhra Pradesh (13)	1	Guntur
	2	Kurnool
	3	Nellore
	4	Vijayawada
	5	Vishakhapatnam
	6	Anantapur
	7	Chittoor

	8	Eluru
	9	Kadapa
	10	Ongole
	11	Rajahmundry
	12	Srikakulam
	13	Vizianagaram
Assam (05)	14	Guwahati
	15	Nagaon
	16	Nalbari
	17	Sibsagar
	18	Silchar
Bihar (03)	19	Patna
	20	Gaya
	21	Muzaffarpur
Chandigarh (01)	22	Chandigarh
Chhattisgarh (03)	23	Bhilai

	24	Korba
	25	Raipur
Delhi (01)	26	Delhi
Gujarat (04)	27	Surat
	28	Ahmedabad
	29	Vadodara
	30	Rajkot*
Himachal Pradesh (7)	31	Baddi
	32	Damtal
	33	Kala Amb
	34	Nalagarh
	35	Paonta Sahib
	36	Parwanoo
	37	Sunder Nagar
Jammu and Kashmir (2)	38	Jammu
	39	Srinagar

Jharkhand (03)	40	Dhanbad
	41	Jamshedpur*
	42	Ranchi*
Karnataka (04)	43	Bangalore
	44	Devanagere
	45	Gulburga
	46	Hubli-Dharwad
Madhya Pradesh (07)	47	Bhopal
	48	Dewas
	49	Indore
	50	Sagar
	51	Ujjain
	52	Gwalior
	53	Jabalpur*
Maharashtra (19)	54	Akola
	55	Amravati

56	Aurangabad
57	Badlapur
58	Chandrapur
59	Jalgaon
60	Jalna
61	Kolhapur
62	Latur
63	Mumbai
64	Nagpur
65	Nashik
66	Navi Mumbai
67	Pune
68	Sangli
69	Solapur
70	Ulhasnagar
71	Thane

	72	Vasai-Virar*
Meghalaya (01)	73	Byrnihat
Nagaland (02)	74	Dimapur
	75	Kohima
Orissa (07)	76	Angul
	77	Balasore
	78	Bhubaneswar
	79	Cuttack
	80	Rourkela
	81	Talcher
	82	Kalinga Nagar
Punjab (09)	83	DeraBassi
	84	Gobindgarh
	85	Jalandhar
	86	Khanna
	87	Ludhiana

	88	NayaNangal
	89	Pathankot/Dera Baba
	90	Patiala
	91	Amritsar
Rajasthan (05)	92	Alwar
	93	Jaipur
	94	Jodhpur
	95	Kota
	96	Udaipur
Tamilnadu (04)	97	Thoothukudi
	98	Trichy
	99	Madurai
	100	Chennai*
Telangana (04)	101	Hyderabad
	102	Nalgonda

Uttar Pradesh (17)	103	Patancheruvu
	104	Sangareddy
	105	Agra
	106	Allahabad
	107	Anpara
	108	Bareilly
	109	Firozabad
	110	Gajraula
	111	Ghaziabad
	112	Jhansi
	113	Kanpur
	114	Khurja
	115	Lucknow
	116	Moradabad
	117	Noida
	118	Raebareli

	119	Varanasi
	120	Gorakhpur
	121	Meerut*
Uttarakhand (03)	122	Kashipur
	123	Rishikesh
	124	Dehradun
West Bengal (07)	125	Kolkata
	126	Asansol
	127	Barrackpore
	128	Durgapur
	129	Haldia
	130	Howrah
	131	Raniganj
Haryana (1)	132	Faridabad*
*Million plus cities but not part of non-attainment cities		

(3) For sub-rules (1) and (2), the footage from an electronic enforcement device having electronic stamp for location, date and time, can be used to issue challan for the following offences, namely:—

- i. not driving within the prescribed speed limit (sections 112 and 183);
- ii. stopping or parking vehicle at an unauthorised location (section 122);
- iii. not undertaking Safety measures for drivers and pillion riders (section 128);
- iv. not wearing protective headgear or helmet (section 129);
- v. jumping a red light, violating a stop sign, using of handheld communications devices while driving, passing or overtaking other vehicles in a manner contrary to law, driving against the authorised flow of traffic, driving in any manner that falls far below what would be expected of a competent and careful driver and where it would be obvious to a competent and careful driver that driving in that manner would be dangerous(section 184);
- vi. driving vehicle exceeding permissible weight (sub-section (1) of section 194);
- vii. driving without safety belt (section 194B);
- viii. contravention of rule 6 (pertaining to lane driving) of the Motor Vehicles(Driving) Regulations, 2017 (section 177A);
- ix. Goods carriage carrying passengers (section 66);
- x. contravention of rule 36 (pertaining to Registration plates) of the Motor Vehicles(Driving) Regulations, 2017 (section 177A);
- xi. driving vehicle with load that extends beyond the sides of body or to the front or to the rear or in height beyond the permissible limit (sub-section (1A) of section 194);
- xii. failure to provide free passage to emergency vehicle (section 194E).

(4) (a) State Governments shall ensure that appropriate warning signs are conspicuously placed before the stretches monitored by electronic enforcement device, notifying the

public that such device is in use and the concerned authorities shall ensure that physical markings, physical stop lines and pedestrian crossing are clearly marked on the road.

(b) Appropriate fixed and dynamic speed limit signs may also be used to notify the speed limits on the road sections during adverse weather conditions, such as rain, hail, foggy weather etc. as well as for indicating any obstruction ahead in the route.

(5) (a) Body wearable cameras shall be explicitly used by the law enforcement officers, such as police and transport officials, while managing the traffic or carrying out any enforcement drive and such devices shall be used to record the proceedings of an event, which can be used in the court as an evidence against the offending driver or person and also ensure that the law enforcement official has acted as per the provisions of law while penalising the offending driver or person.

(b) Both the video and audio functions of the body camera shall be activated only when the law enforcement official is on duty and the official shall notify the subjects that they are being recorded by the body camera.

(6) All challans issued under rule 167 in electronic form using auto-generation of challan through the electronic monitoring and enforcement system shall be accompanied with the following information, namely:—

i. clear photographic evidence highlighting the offence and the license plate of the vehicle;

ii. measurement from the electronic enforcement device;

iii. date, time and place of the offence;

iv. notice specifying the provision of Act that has been violated;

v. certificate as per sub-section(4) of section 65B of the Indian Evidence Act 1872(1 of 1872), which,—

identifies the electronic record and describes the manner in which it was produced;

gives such particulars of any device involved in the production of that electronic record as may be appropriate for the purpose of showing that the

electronic record was produced by a computer;

signed by the officer authorised in this behalf by the State Government.

(7) Challans, under sub-rules (1) and (2), shall be issued in the name of the registered owner of the vehicle and must be accompanied with a notice of offence in electronic form viz SMS or e-mail or in physical form.

(8) (a) The payment of the challan shall be made within the time period specified in the sub - rules (5), (6) and (7) of rule 167.

(b) The payment of e-challan can be made electronically on an online portal specified by the State Government or using cash or card at Traffic Police Stations or at designated places or the e-payment gateway of the e-challan system as specified by States.

(9) The notice of offence shall be sent within fifteen days of the occurrence of the offence and the electronic record collected by way of electronic monitoring should be stored till the disposal of challan and in the case where the electronic record relates to an offence, should be stored till the conclusion of proceedings initiated, including appeals.

(10) In case the owner of the vehicle was not driving the vehicle at the time of offence, he may claim innocence before the police officer or any officer authorised by the State Government, by providing appropriate proof that he was not the driver at the time of the offence, or that another person was the driver at the time of the offence.

1. The electronic enforcement device used for issuance of a challan shall have an approval certificate signed by a designated authority of the State Government certifying that the device is accurate and operating properly and the approval certificate shall be renewed on a yearly basis. : Rule 167A inserted by G.S.R.575(E), dated 11-08-2021 (w.e.f. 11-08-2021). [Download GSR 575(E)]

Chapter IX ~ EXAMINATION OF GOOD SAMARITAN AND ENQUIRY

Rule 168 - 169

Rule 168 ~ Rights of Good Samaritan.

(1) [Any person who is a Good Samaritan, as per section 134A of the Act, shall have the rights detailed under this chapter, and shall be treated respectfully without any discrimination]

on the grounds of religion, nationality, caste or sex.

(2) A Good Samaritan who has informed the police of any accident involving a motor vehicle, or who has transported a victim of an accident involving a motor vehicle to the hospital, shall not be subjected to any further requirements by the police or the hospital, and shall be permitted to leave immediately.

(3) No police officer or any other person, shall compel a Good Samaritan to disclose his name, identity, address or any such other personal details:

Provided that the Good Samaritan may voluntarily choose to disclose his name, address, and name of the injured person (if known) to the police officer:

Provided further that, if the Good Samaritan has voluntarily disclosed his name or personal details, the police officer shall not compel such person to become an eye-witness in the case, and choice of becoming an eye-witness shall solely rest with the Good Samaritan.

(4) Notwithstanding anything contained in any other law for the time being in force, a Good Samaritan who transports a victim of an accident involving a motor vehicle to the hospital shall not be forced to,

- a. disclose any personal information, such as his name, telephone number and address, including for the purpose of the Medico-Legal Case Form;
- b. fulfil any procedure related to the admission of an injured person or victim at the hospital; or
- c. bear any medical expenses towards the treatment of an injured person or victim:

Provided that in case the Good Samaritan has volunteered his name, and if he so desires, the hospital shall provide an acknowledgement to such Good Samaritan, on official letter-pad, mentioning the name of the Good Samaritan, address, time, date, place of occurrence, and confirming that the injured person was brought by the said person:

Provided further that, a Good Samaritan who has witnessed the accident and volunteers to become an eye-witness may, in addition to his name and address, also indicate his willingness to become an eye-witness in order to facilitate the investigation process.

(5) Every public and private hospital shall publish a charter in Hindi, English and vernacular language, at the entrance or other conspicuous location, and on their website, stating the rights

of Good Samaritans under the Act and the rules made thereunder.]

1. [Any person who is a Good Samaritan, as per section 134A of the Act, shall have the rights detailed under this chapter, and shall be treated respectfully without any discrimination on the grounds of religion, nationality, caste or sex. : Rule 168 inserted by G.S.R.594(E), dated 29-09-2020 (w.e.f. 29-09-2020). [Download GSR 594(E)]

Rule 169 ~ Examination of Good Samaritan.

(1) [Notwithstanding anything to the contrary contained in any other law for the time being in force, if a person has voluntarily agreed to become a witness in the case in which he has acted as a Good Samaritan, he shall be examined in accordance with the provisions of this rule.]

(2) The examination of a Good Samaritan shall be conducted at a time and place of his convenience, such as his place of residence or business, and the investigating officer shall accordingly be dressed in plain clothes:

Provided that the Good Samaritan may choose to have his examination done at the police station, and in such case, the examination shall be conducted in a time bound manner without causing undue delay, and as far as possible, completed in a single examination.

(3) In case the Good Samaritan speaks a language other than the language of the investigating officer or the local language of the respective jurisdiction, the investigating officer shall arrange for an interpreter.

(4) In case the Good Samaritan has volunteered to become an eye-witness, he shall be permitted to give his evidence on affidavit in accordance with the provisions of section 296 of the Code of Criminal Procedure, 1973 (2 of 1974):

Provided that the affidavit of the Good Samaritan, if filed, shall be treated as complete statement, and in case a statement is to be recorded, the complete statement shall be recorded in a single examination.

(5) In case the attendance of a Good Samaritan cannot be procured without delay, expense or inconvenience, which under the circumstances of the case would be unreasonable, or the examination is unable to take place at a time and place of his convenience, the Court or the Magistrate may dispense with such attendance and may issue a commission for the examination of the Good Samaritan in accordance with the provisions of section 284 of the

Code of Criminal Procedure, 1973 to conduct the examination, on an application made thereunder.

(6) Video conferencing shall be used extensively during examination of Good Samaritans who choose to be eye-witnesses, in order to prevent harassment and inconvenience to such Good Samaritans.]

1. [Notwithstanding anything to the contrary contained in any other law for the time being in force, if a person has voluntarily agreed to become a witness in the case in which he has acted as a Good Samaritan, he shall be examined in accordance with the provisions of this rule. : Rule 168 inserted by G.S.R.594(E), dated 29-09-2020 (w.e.f. 29-09-2020).
[Download GSR 594(E)]

Chapter X ~ MISCELLANEOUS

Rule 170 - 172

Rule 170 ~ Setting up and Maintenance of a Portal.

(1) [For bringing into effect the provisions of the Act and the Central Motor Vehicles Rules, 1989, the portal of the Central Government shall be used by all the States from the date of publication of this notification:

Provided that State Government may use the portal maintained by the State which shall be linked with the National Register and shall be updated on real-time basis.

(2) The Central Government may authorise the function of setting up and maintaining any Portal, to body corporate or an agency.

Explanation. - For the purpose of this rule, National Informatics Centre is the agency authorised by the Central Government.]

1. [F : Rule 170 inserted by GSR 240(E), dated 31-03-2021 (w.e.f. 01-04-2021).
[Download GSR 240(E)]

2. or bringing into effect the provisions of the Act and the Central Motor Vehicles Rules, 1989, the portal of the Central Government shall be used by all the States from the date of publication of this notification: : Rule 170 inserted by GSR 240(E), dated 31-03-2021 (w.e.f. 01-04-2021). [Download GSR 240(E)]

Rule 171 ~ Method of Payment.

[Any fee or charges for filing, creation or issue of any form or electronic document or any receipt or payment of money on a Portal including receipt of fees under rule 32 and rule 81 and receipt of amount for compounding of offences under section 200, in pursuance of the Act or these rules, shall be paid by means of credit card, debit card, internet banking, money vault, UPI or any other mode as approved by the Central Government.]

1. [Any fee or charges for filing, creation or issue of : Rule 171 inserted by GSR 240(E), dated 31-03-2021 (w.e.f. 01-04-2021). [Download GSR 240(E)]
2. any form or electronic document or any receipt or payment of money on a Portal including receipt of fees under rule 32 and rule 81 and receipt of amount for compounding of offences under section 200, in pursuance of the Act or these rules, shall be paid by means of credit card, debit card, internet banking, money vault, UPI or any other mode as approved by the Central Government.] : Rule 171 inserted by GSR 240(E), dated 31-03-2021 (w.e.f. 01-04-2021). [Download GSR 240(E)]

Rule 172 ~ Authentication of Documents.

(1) [All forms, applications and documents filed through a Portal may be authenticated through e-signature such as Aadhaar authenticated as specified under the provisions of the Information Technology Act, 2000 (21 of 2000) or verified by any other mode of signature or verification as notified by the Central Government such as verification by an authorised person facilitating the submission of any form, application or document at a Facilitation Centre.]

(2) All licenses, registrations, fitness certificate, permits, sanctions, approvals and endorsements and any other document as may be specified by the Central Government or State Government or both, as the case may be, shall be created, issued or granted electronically, through digital signature certificate or through e-signature as specified under the provisions of the Information Technology Act, 2000 (21 of 2000) or any other mode of signature or verification as notified by the Central Government.]

1. [All forms, applications and documents filed through a Portal may be : Rule 172 inserted by GSR 240(E), dated 31-03-2021 (w.e.f. 01-04-2021). [Download GSR 240(E)]
2. authenticated through e-signature such as Aadhaar authenticated as specified under the provisions of the Information Technology Act, 2000 (21 of 2000) or verified by any

other mode of signature or verification as notified by the Central Government such as verification by an authorised person facilitating the submission of any form, application or document at a Facilitation Centre. : Rule 172 inserted by GSR 240(E), dated 31-03-2021 (w.e.f. 01-04-2021). [Download GSR 240(E)]

Chapter XI ~ RECOGNITION, REGULATION AND CONTROL OF AUTOMATED TESTING STATION

Rules 173 - 190

Rule 173 ~ Applicability.

The provisions of this chapter shall be applicable for the recognition, regulation and control of automated testing stations, the procedure for fitness testing of vehicles through automated equipment and the procedure for grant of Certificate of Fitness by automated testing stations.

1. The provisions of this chapter shall be applicable for the recognition, regulation and control of automated testing stations, the procedure for fitness testing of vehicles through automated equipment and the procedure for grant of Certificate of Fitness by automated testing stations. : Rule 173 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f. 25/09/2021). [Download GSR 652(E)]

Rule 174 ~ Definitions.

(1) In this Chapter, unless the context otherwise requires, -

(i) : Act.

"Act" means The Motor Vehicles Act, 1988 (59 of 1988);

(ii) : Automated Testing Station.

"Automated testing station" means any automated testing facility, authorised by the State Government, where vehicle fitness testing may be conducted through automated vehicle testing equipment in accordance with the provisions of this chapter;

(iii) : Certificate of Fitness.

"Certificate of fitness" means the certificate issued by a prescribed authority, referred to in sub-section (1) section 56 of the Act, or by an authorised testing station, in Form 38 for transport vehicles and in Form 25 for non-transport vehicles, as the case maybe, to the effect that the vehicle complies, for the time being, with all the requirements of the Act and the rules made thereunder;

(iv) : [Registering Authority.](#)

"Registering authority" means any officer not below the rank of Commissioner of Transport or Industries Department, nominated by the State/Union Territory Government.

Explanation: Director of Industries or Director of Transport may be nominated as the registering authority in case the State/ Union Territory does not have a position equivalent to Commissioner of Industries or Commissioner of Transport and the registering authority shall be empowered to issue Preliminary Registration Certificate, issue and renewal of Registration Certificate under this chapter for the registration of Automated Testing Stations.

► OLD RULE

[X X X X](#)

► OLD RULE

(v) : Preliminary Registration Certificate.

"Preliminary Registration Certificate" means the certificate granted by the Registering Authority permitting the applicant to commence setting up or construction or establishment of an automated testing station;

(vi) : Registration Certificate.

"Registration Certificate" means the certificate granted by the Registering Authority permitting any automated testing station to commence operations;

(vii) : Owner.

"Owner" means a person including any individual or company or association or body of individuals or special purpose vehicle or State Government, who is a registered owner of an automated testing station;

[X X X X](#)

► OLD RULE

(viii) : Operator.

"Operator" means a person including any individual or company or association or body of individuals or special purpose vehicle or State Government, authorised by the Registering Authority of the State Government to undertake the responsibility of managing the affairs and operations of the automated testing station such as hiring of staff, conduct of fitness testing of vehicles, ensuring the integrity of the whole operations, issuance and renewal of certificate of fitness and facilitating the conduct of the audit and assessment in accordance with the provisions of this chapter;

(ix) : End of Life Vehicle.

"End of Life Vehicle" means any vehicle, -

1. which is no longer validly registered; or
2. of which registration has been cancelled under Chapter IV of the Act; or
3. which has been declared End of Life Vehicle under the provisions of this Chapter; or
4. which is self-declared by the legitimate registered owner as a waste vehicle due to any circumstances that may arise from fire, damage, natural disaster, riots or accidents.

(2) Words and expression used herein and not defined, but defined in the Act shall have the same meanings, as respectively, assigned to them in the said Act.

1. In this Chapter, unless the context otherwise requires, - : Rule 174 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]
2. Registering Authority. : Substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]
3. x x x x : Clause (v) Omitted & clause (vi), (vii), (viii), (x), (xi) renumbered by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]
4. x x x x : Clause (ix) Omitted & clause (vi), (vii), (viii), (x), (xi) renumbered by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]
5. which has been declared End of Life Vehicle under the provisions of this Chapter; or : Substituted for "which has been declared unfit after undergoing test or re-test as

specified under the provisions of this chapter; or" by GSR 797(E) Dtd. 31/10/2022 (w.e.f 31/10/2022). [Download GSR 797(E)]

Rule 175 ~ Registration Procedure for Automated Testing Station.

(1) No operator of an automated testing station shall issue or renew a certificate of fitness to any vehicle or commence any operations without having a Registration Certificate, granted to it by the registering authority in Form 62.

(2) In case of a new automated testing station, the application for grant of Registration Certificate shall be preceded by the grant of a Preliminary Registration Certificate for construction or establishment of such station and thereafter, upon setting up or construction or establishment of the automated testing station and its successful pre- commissioning audit and assessment, the applicant can submit an application for grant of Registration Certificate to start operations.

(3) The application for grant of Preliminary Registration Certificate under sub-rule (2) shall be made in Form 63 by the owner or operator to the registering authority and shall be accompanied by the fee as specified in rule 188.

(3A) The Central Government shall set up an electronic portal for Single Window Clearance on which the applicant will apply and upload documents and required fee for registration.

(4) (i) The registering authority, shall, while considering an application for the grant of a Preliminary Registration Certificate, ensure that the applicant satisfies all the requirements as specified in rule 176.

(ii) The registering authority shall while considering an application under this rule, take into consideration the possible utilization of the automated testing stations and the fact that the setting up of the automated testing station shall improve the availability of testing facilities in the area both in relation to the number of vehicles and proximity to such automated testing station.

(5) The registering authority, on receipt of an application under sub-rule (3), and after satisfying himself that the applicant has complied with the requirements of sub- rule (4), grant the Preliminary Registration Certificate in Form 61 within thirty days from the date of receipt of such application:

Provided that no application for the grant of a Preliminary Registration Certificate shall be refused by the registering authority unless the applicant is given an opportunity of being heard and reasons for such refusal are given in writing by the Registering Authority.

(6) The applicant, upon the establishment of the automated testing station, shall appoint National Accreditation Board for Testing and Calibration Laboratories - accredited agency or any other agency notified by the Central Government for conducting pre- commissioning audit and assessment of the automated testing station.

(7) An application for grant or renewal of a Registration Certificate shall be made in Form 64 to the registering authority and shall be accompanied by, —

- a. the fee as specified in rule 188;
- b. security deposit or bank guarantee as specified in rule 188;
- c. the Preliminary Registration Certificate as referred to in sub-rule (2), wherever applicable;
- d. successful pre-commissioning audit and assessment report in Form 66.

(8) The registering authority shall, while considering an application for the grant or renewal of a Registration Certificate, ensure that the applicant satisfies all the requirements as provided in rules 176 to 179.

(9) The registering authority may, on receipt of an application under sub-rule (7), and after satisfying himself that the applicant has complied with the requirements of sub- rule (8), grant or renew the Registration Certificate in Form 62 within sixty days from the date of receipt of the application:

Provided that no application for grant of a Registration Certificate shall be refused by the registering authority unless the applicant is given an opportunity of being heard and reasons for such refusal are given in writing by the registering authority.

(10) The Preliminary Registration Certificate, Registration Certificate, all observations made in relation to the application for grant of Preliminary Registration Certificate and Registration Certificate, the objections or reasons due to which the Preliminary Registration Certificate or Registration Certificate is refused, shall be duly uploaded on the electronic portal within three working days of passing any order under sub-rules (5) and (9).

1. No operator of an automated testing station shall issue or renew a certificate of fitness to any vehicle or commence any operations without having a Registration Certificate, granted to it by the registering authority in Form 62. : Rule 175 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]
2. The Central Government shall set up an electronic portal for Single Window Clearance on which the applicant will apply and upload documents and required fee for registration. : Sub-rule (3A) inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]
3. the possible utilization of the automated testing stations and : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]

Rule 176 ~ Eligibility.

(1) The owner or operator, as the case may be, of an automated testing station shall be the State Government or any company or association or body of individuals or individual or special purpose vehicle either directly or through public- private partnership.

Provided that a vehicle manufacturer or service station or automobile dealer or any person related to repair of vehicle or manufacturing or sale of vehicle or automobile spares or scrapping of vehicles shall not become the owner or operator of an automated testing station directly:

Provided further that, where, a vehicle manufacturer or service station or automobile dealer or any person related to repair of vehicle or manufacturing or sale of vehicle or automobile spares or scrapping of vehicles intends to become the owner or operator of an automated testing station, it may do so, by forming a subsidiary or joint venture or a special purpose vehicle

(2) Notwithstanding anything contained in sub-rule (1), the owner of an automated testing station may also be the operator of such automated testing station.

(3) The owner or operator of an automated testing station shall possess, -

- i. certificate of Incorporation or Shop Act registration or Udyam Aadhar;
- ii. valid Goods and Service Tax certificate; and

iii. valid Permanent Account Number or valid Tax Deduction Account Number, as applicable.

[x x x x]

(4) If the owner or operator of an automated testing station is a government body then the application fee for grant of Preliminary Registration Certificate, Registration Certificate and security deposit or bank guarantee for registration certificate shall not be applicable. [x x x x]

▼ **OLD RULE:**

Prior to the omission sub rule (4) read as under

The owner or operator of an automated testing station shall have a minimum net worth of three crore rupees during the last financial year [x x x].

Prior to the substitution sub rule (5) read as under

"The premises where the automated testing station is to be housed shall either be owned or taken on lease or hired by the owner for a period not less than ten years."

Prior to the omission of a part of sub rule (5) read as under

and such entities shall also be exempt from meeting financial criterion specified in sub-rule (4) of rule 176, sub-rule (4).

1. The owner or operator, as the case may be, of an automated testing station shall be the State Government or any company or association or body of individuals or individual or special purpose vehicle either directly or through public- private partnership. : Rule 176 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]
2. or scrapping of vehicles : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f.

31/10/2022). [Download GSR 797(E)]

3. or scrapping of vehicles : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f.

31/10/2022). [Download GSR 797(E)]

4. or valid Tax Deduction Account Number, as applicable. : Inserted by GSR 195(E) Dtd.

14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

5. [x x x x] : Sub-Rules (4) omitted & (5) renumbered as (4) by GSR 195(E) Dtd.

14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

6. If the owner or operator of an automated testing station is a government body then the application fee for grant of Preliminary Registration Certificate, Registration Certificate and security deposit or bank guarantee for registration certificate shall not be applicable.

: Sub-rule (5) substituted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]

7. [x x x x] : Certain words omitted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024).

[Download GSR 195(E)]

8. [x x x]. : Omitted the words "and should have a positive profit after tax in the last two financial years" by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]

Rule 177 ~ Conflict of Interest.

[* * *]

(1) There shall be no conflict of interest during the course of operations that may arise or may be perceived to influence or compromise the professional conduct of the owner or operator of an automated testing station.

Explanation - For the purposes of this rule, financial or professional interest means any personal, financial, or other considerations that may have the potential to influence or compromise the professional behavior of the owner or operator of an automated testing station.

(2) The automated testing station shall act as test-only facility and shall not provide any services related to repair of vehicles or manufacturing or sale of vehicles or automobile spares or scrapping of vehicles.

Provided that the Automated Testing Station shall be allowed to provide all other non-conflicting services, such as cafeteria, driver training centers, departmental stores, insurance

[kiosks.](#)

(3) Testing officials of the automated testing station shall maintain strict confidentiality of information regarding test results related to vehicle make and type.

(4) The operator of an automated testing station, at all times, shall function in a transparent and impartial manner and shall sign an undertaking related to provisions of sub-rules (1), (2) and (3) as specified in Form 64.

► **OLD RULE:**

1. [* * *] : Rule 177 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021).
[Download GSR 652(E)]
2. There shall be no conflict of interest during the course of operations that may arise or may be perceived to influence or compromise the professional conduct of the owner or operator of an automated testing station. : Sub-rule (1) substituted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]
3. or scrapping of vehicles. : Inserted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]
4. Provided that the Automated Testing Station shall be allowed to provide all other non-conflicting services, such as cafeteria, driver training centers, departmental stores, insurance kiosks. : Inserted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024).
[Download GSR 195(E)]

Rule 178 ~ Infrastructure requirement.

(1) Any facility to be used for the purpose of testing shall have sufficient area to establish testing lanes having lane dimension as per Table-A.

(1A) The total indicative area for an Automated Testing Station shall be five hundred square meters per two-wheeler test lane and one thousand five hundred square meters per three-wheeler or Light or Medium or Heavy Motor Vehicle test lane.

(1B) The overall indicative area shall include the test lanes given in Table-A, administrative block including reception or information centre, waiting area, Information technology server,

workstation, washrooms, parking and visual inspection area for vehicles, and the area for utilities.

Provided that the State/Union Territory may relax the requirement of overall indicative area for a facility keeping in consideration the layout of the facility, geographical location and local conditions, subject to lane dimensions meeting the requirements specified in Table-A.

(2) The automated testing station shall have the minimum dimensions for defining test lane, as per the following table, namely: -

[Table-A]

Sl. No.	Minimum Dimensions of a Test Lane (in meter)	2-Wheeler	3-Wheeler and Light Motor Vehicle	Medium and Heavy Motor Vehicle
1	Length	15	32	32
2	Width	5	7	7
3	Minimum length for turning at Entrance	3	10	18
4	Minimum length for turning at exit	3	10	18

(3) The standard operating procedure of the automated testing station shall be displayed in the waiting area for public as well as staff.

(4) Adequate space shall be available for fitment of utilities like transformers, Low Tension or High-Tension panels with safety or protective devices, Gensets, Air Compressor, Uninterrupted Power Source, water coolers, fire protection and firefighting system of adequate

capacity and test lane area shall be provided with adequate ventilation and fume extraction system.

(5) An automated testing station shall have adequate space for parking and free movement of vehicles brought for testing and necessary cyber security certifications shall be provided for the Information technology Systems for safe access to the VAHAN database as applicable.

(6) Testing equipment and Information technology infrastructure shall be as per rule 190.

(7) The premises where the automated testing station is to be housed shall either be owned or taken on lease or hired by the owner for a period not less than ten years.

▼ **OLD RULE:**

(1) Any facility to be used for the purposes of testing shall have a minimum per lane area for two-wheeler vehicles or three-wheeler vehicles as five hundred square meters and for Light or Medium or Heavy Motor Vehicle as one thousand five hundred square meters, which includes commensurate space for the administrative block including reception or information centre, waiting area, Information technology server and workstation, washrooms etc.

1. Any facility to be used for the purpose of testing shall have sufficient area to establish testing lanes having lane dimension as per Table-A. : Sub-Rule (1) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]
2. (1A) The total indicative area for an Automated Testing Station shall be five hundred square meters per two-wheeler test lane and one thousand five hundred square meters per three-wheeler or Light or Medium or Heavy Motor Vehicle test lane. (1B) The overall indicative area shall include the test lanes given in Table-A, administrative block including reception or information centre, waiting area, Information technology server, workstation, washrooms, parking and visual inspection area for vehicles, and the area for utilities. : Sub-Rule (1) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]
3. Provided that the State/Union Territory may relax the requirement of overall indicative area for a facility keeping in consideration the layout of the facility, geographical location

and local conditions, subject to lane dimensions meeting the requirements specified in Table-A. : Sub-Rule (1) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024).
[Download GSR 195(E)]

4. The premises where the automated testing station is to be housed shall either be owned or taken on lease or hired by the owner for a period not less than ten years. :
Sub-rule (7) inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]

Rule 179 ~ Manpower requirement.

(1) [The minimum requirement of manpower shall be as per the following table, namely:-](#)

[\[Table-B\]](#)

Sl. No.	Designation	Minimum manpower requirement	Minimum Qualification
1	Centre Head/Manager	1	Diploma in Automobile or Mechanical or Electrical or Electronic Engineering or related disciplines with at least five years of professional experience which includes at least two years of experience in vehicle inspection, manufacturing or repair and shall have thorough knowledge of the Act and the rules made thereunder.
2	Information technology in charge/ System Analyst	1 (up to 2 Lanes)	Diploma in Computer Science or Information technology or Electronics and Communication Engineering or related disciplines from recognised institution with at least three years of experience in hardware, software and networking.
		2 (up to 4 lanes)	

3	Data Entry Operator	1	Diploma in Computer Application with basic computer knowledge.
4	Driver (Light Motor Vehicle/ Heavy Motor Vehicle)	2 per lane per shift	Driving license with minimum five years of driving experience (Light Motor Vehicle or Heavy Motor Vehicle).
5	Lane in charge / Supervisor	1 for every 2 lanes per shift	Diploma in Motor Mechanics or Diploma in Mechanical or automobile or electrical stream from recognised institutions with minimum three years of experience in automobile repair and Maintenance.
6	Lane Operator	1 per lane per shift	Diploma in Motor Mechanics or Electrical or Computer stream from recognised institution with minimum two years of experience in automobile repair and maintenance.
7	Maintenance Technician	1 for every 2 lanes per shift	Diploma in Air Conditioning and Refrigeration or Industrial Training Institute Electrician or Diploma in Mechanical or Electrical from recognised institution with minimum two years of experience in electrical maintenance.

(2) The automated testing station shall ensure compliance of all laws for the time being in force, including labour laws as applicable.

► **OLD LAW**

1. The minimum requirement of manpower shall be as per the following table, namely:- :
Rule 179 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]
2. [Table-B] : Table -B substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024).
[Download GSR 195(E)]

Rule 180 ~ Validity and renewal of Registration.

- (1) A Preliminary Registration Certificate shall be valid for the period of setting up or construction or establishment of the automated testing station, which shall be mutually agreed between the State Government and the owner or operator and specified in the Preliminary Registration Certificate.
- (2) A Registration Certificate shall be valid for a period of ten years from the date of issuance and its subsequent renewal shall be valid for a period of ten years from the date of renewal, and an application for renewal of registration may be made three months before the expiry of the period of such registration.
- (3) The Preliminary Registration Certificate shall become transferable after expiry of six months from the date of issuance.
- (4) Where the Preliminary Registration Certificate or Registration Certificate is lost or destroyed, the holder of such certificate shall intimate the facts to the registering authority which has granted or renewed the certificate and shall apply for a duplicate certificate under sub-rule (5) in Form 65 intimating the reasons thereof.
- (5) An application for issuance of duplicate Preliminary Registration Certificate or Registration Certificate shall be made in Form 65, along with appropriate fee, as specified in rule 188.
- (6) The registering authority may issue a duplicate certificate in Form 61 or Form 62, as the case may be, with clearly marked word "DUPLICATE" on top right corner.
- (7) The duplicate certificate shall be immediately surrendered to the registering authority if the original is traced out or found at a future date.

► OLD RULE

1. A Preliminary Registration Certificate shall be valid for the period of setting up or construction or establishment of the automated testing station, which shall be mutually agreed between the State Government and the owner or operator and specified in the Preliminary Registration Certificate. : Rule 180 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]
2. A Registration Certificate shall be valid for a period of ten years from the date of issuance and its subsequent renewal shall be valid for a period of ten years from the date of renewal, and an application for renewal of registration may be made three months before the expiry of the period of such registration. : Sub-rule (2) substituted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]
3. The Preliminary Registration Certificate shall become transferable after expiry of six months from the date of issuance. : Sub-Rule (3) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

Rule 181 ~ Testing Process and Procedure.

[* * *]

(1) The appointment for fitness test at any automated testing station shall be booked electronically, through the electronic portal, set up by the Central Government within six months from the date of notification of the Central Motor Vehicles (Twenty First Amendment) Rules, 2021, on depositing the fee as specified in rule 81, electronically or such other manner as may be laid down by the Central Government [and the vehicle owner shall get the refund of the fee deposited on cancelling the appointment for fitness test.](#)

(2) Until the electronic portal referred to in sub-rule(I) is developed, the bookings for fitness tests shall be done either manually or through the electronic portal of the State or Union territory Governments.

(3) The following documents and information shall be uploaded [or entered, as applicable](#), at the time of booking a slot for fitness test at an automated testing station, namely: -

- i. Registration Certificate of Vehicle, along with Form 25, wherever applicable;
- ii. valid Insurance Certificate;

iii. last valid Permit, wherever applicable;

iv. mobile number and email ID of the registered owner or authorised signatory.

(4) The other details related to the vehicle, not limited to the following, shall be fetched automatically from the VAHAN database, namely: -

i. Chassis Number;

ii. Engine number;

iii. Fuel;

iv. Vehicle Class;

v. Vehicle Category;

vi. Make and Model;

vii. Gross Vehicle Weight (GVW);

viii. Month and Year of Manufacture; and

ix. Speed Governor Serial Number, wherever applicable.

(5) The list of tests to be conducted along with the reference standards shall be as per rule 189, as applicable from time to time.

(6) The data generation, processing and storage shall be done in a manner so as to ensure that, -

i. the database is stored in a data management software platform to enable easy exchange and analysis of data with other platforms;

ii. all automated test results shall be automatically transmitted [from testing equipment](#) to a central server installed in the automated testing station and visual checks data, including photographs, shall also be transferred on the same server;

iii. the fitness criteria for pass or fail shall be automatic and in accordance with rule 189;

iv. (a) display of testing station in a test lane shall not indicate any test result;

(b) all test results shall be masked on the test lane with encrypted test data;

- (c) the test report shall be generated automatically and digitally signed with relevant details, immediately after completion of all tests;
- v. the test data and report generated shall be kept in a safe and secured facility and uploaded on the electronic portal;
- vi. photographs of vehicle and its Chassis and Engine number shall be captured by Global Positioning System enabled camera and shall be kept in a secured facility and uploaded on the electronic portal along with the tests data and report.
- (7) The certificate of fitness, if granted, in Form 25 or Form 38, as the case may be, and test report [in Form 69](#) so generated shall be sent to the registered owner or authorised signatory through physical and electronic mode and the test report shall include the following, namely: -
- i. station Name and registration number;
 - ii. date and time of the test;
 - iii. vehicle details – Registration number, Type, Make and Model;
 - iv. visual check details;
 - v. measured and permissible values of functional tests;
 - vi. date of calibration of each equipment of the automated testing station on which tests are conducted;
 - vii. list of functional tests or visual checks failed by the vehicle, in case certificate of fitness is not granted.
- (8) The results shall also be integrated with VAHAN Database.
- (9) [Notwithstanding anything in the fourth proviso to sub-rule \(1\) of rule 62, the automated testing station may accept and test the vehicle registered in any of the States or Union territories.](#)

1. [* * *] : Rule 181 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021).

[Download GSR 652(E)]

2. and the vehicle owner shall get the refund of the fee deposited on cancelling the appointment for fitness test : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f.

31/10/2022). [Download GSR 797(E)]

3. . : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]
4. or entered, as applicable, : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]
5. from testing equipment : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]
6. in Form 69 : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]
7. Notwithstanding anything in the fourth proviso to sub-rule (1) of rule 62, the automated testing station may accept and test the vehicle registered in any of the States or Union territories. : Sub-rule (9) inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]

Rule 182 ~ Re-testing Procedure.

(1) The registered owner or authorised signatory of the vehicle that fails any of the test specified in Note (a) of rule 189 shall be allowed to apply for multiple re-tests after getting the defects rectified.

(1A) However, if the vehicle is not tested within 180 days from the date of last test excluding the day of test or from the date of expiry of fitness certificate, whichever is later, the vehicle shall be categorised as 'End-of-Life Vehicle' and flagged in the VAHAN as ELV.

(2) The registered owner or authorised signatory of the vehicle that fails any of the tests specified in Note (c) of rule 189 shall be allowed to apply for multiple re-tests.

(3) [x x x x]

(4) [x x x x]

► OLD RULE

1. The registered owner or authorised signatory of the vehicle that fails any of the test specified in Note (a) of rule 189 shall be allowed to apply for multiple re-tests after getting the defects rectified. : Sub-Rule (1) substituted by GSR 195(E) Dtd. 14/03/2024

(w.e.f 14/03/2024). [Download GSR 195(E)]

2. : Sub-Rule (1) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024).

[Download GSR 195(E)]

3. (1A) However, if the vehicle is not tested within 180 days from the date of last test excluding the day of test or from the date of expiry of fitness certificate, whichever is later, the vehicle shall be categorised as 'End-of-Life Vehicle' and flagged in the VAHAN as ELV. : Sub-Rule (1) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024).

[Download GSR 195(E)]

4. The registered owner or authorised signatory of the vehicle that fails any of the tests specified in Note (c) of rule 189 shall be allowed to apply for multiple re-tests. : Sub-Rule (2) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

5. [x x x x] : Sub-Rule (3) omitted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024).

[Download GSR 195(E)]

6. [x x x x] : Sub-Rule (3) omitted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024).

[Download GSR 195(E)]

7. or unfit as the case may be. : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f.

31/10/2022). [Download GSR 797(E)]

Rule 183 ~ Appeal against test results.

(1) Responsibility of efficient operations and integrity of the test: The Registering Authority of the State in which the Automated Testing Station is located shall ensure that the operation of the Automated Testing Station is conducted by the operator of that station in accordance with rules for Recognition, Regulation and Control of Automated Testing Station. The compliance to the testing procedure and the integrity of the test results shall be maintained in accordance with these rules.

▼ OLD RULE

Prior to the substitution Rule 183. read as under

(1) Any person aggrieved by the test result shall, within seven days of the date of receipt of such result, submit an appeal to the Appellate Authority in Form 68, through the electronic portal specified by the Central Government in this regard and such an

appeal shall be accompanied by the fee as specified in rule 188 and a copy of the test result.

(2) The Appellate Authority may order a partial or complete re-test of the vehicle, within fifteen working days of receipt of such appeal.

Provided that where the Appellate Authority is not able to process the appeal within fifteen working days of its receipt, the appeal shall be deemed to have been allowed and the vehicle owner shall ensure the re-test of the vehicles is scheduled within thirty days.

(3) Consequent to the vehicle passing such re-test, the Appellate Authority shall issue a certificate of fitness to such vehicle.

(4) The decision of Appellate Authority shall be final and binding.

1. Responsibility of efficient operations and integrity of the test: The Registering Authority of the State in which the Automated Testing Station is located shall ensure that the operation of the Automated Testing Station is conducted by the operator of that station in accordance with rules for Recognition, Regulation and Control of Automated Testing Station. The compliance to the testing procedure and the integrity of the test results shall be maintained in accordance with these rules. : Rule 183 substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

2. Any person aggrieved by the test result shall, within seven days of the date of receipt of such result, submit an appeal to the Appellate Authority in Form 68, through the electronic portal specified by the Central Government in this regard and such an appeal shall be accompanied by the fee as specified in rule 188 and a copy of the test result. : Rule 183 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]

3. Provided that where the Appellate Authority is not able to process the appeal within fifteen working days of its receipt, the appeal shall be deemed to have been allowed and the vehicle owner shall ensure the re-test of the vehicles is scheduled within thirty days. : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]

Rule 184 ~ Audit and Assessment.

- (1)** The performance and functioning of an automated testing station shall be monitored through periodic audits and Assessment, at such intervals as specified in sub-rule (3).
- (2)** The Operator of Automated Testing Station shall ensure audit and assessment of the facility by a National Accreditation Board for Testing and Calibration Laboratory accredited agency or any other agency notified by the Central Government for conducting such audits and assessments as per the laid down periodicity and manner.
- (3)** The audit and assessment of an automated testing station shall be conducted every six months and the cost of such audit and assessment shall be borne by the operator of the automated testing station and the operator shall upload the audit and assessment report on the electronic portal specified by the Central Government within one month of the completion of the bi-annual financial year, that is, by 31st October and 30th April of that financial year.
- (4)** The audit and assessment of Automated Testing Stations shall cover the following aspects, namely: -

 - i. test equipment completeness;
 - ii. equipment calibration at the required frequency at least once a year or as per manufacturer's recommendation, whichever is earlier;
 - iii. testing procedures as specified under this chapter;
 - iv. calibration process of machinery;
 - v. manpower as per specified qualification under this chapter;
 - vi. sample check of at least three vehicles from each lane;
 - vii. data integrity; and
 - viii. functioning of all the Closed-Circuit Televisions installed in the station.
- (5)** The registering authority, under exceptional circumstances, which shall be adequately recorded, may also conduct surprise audits and assessments of an automated testing station and the cost of such audit and assessment shall be borne by the operator.

(6) The officials of the automated testing station shall be responsible for enabling and cooperating with the inspection at any point of time during office hours.

(7) The audit and assessment report, including surprise audit and assessment, as specified in Form 67, along with the photographic evidence, shall be uploaded on the electronic portal specified by the Central Government in this regard.

(8)

i. Where any discrepancy pointed out during the audit and assessment, the same shall be rectified by the operator within ten working days from the date of issuance of the audit and assessment report.

ii. The rectification report shall be submitted to the audit and assessment agency for approval, and to the registering authority for information, within such period as may be directed by the registering authority, through the electronic portal specified by the Central Government.

iii. The Audit and Assessment agency, if it so desires, may undertake re-audit and re-assessment for validation and approval.

► OLD RULE

1. The performance and functioning of an automated testing station shall be monitored through periodic audits and Assessment, at such intervals as specified in sub-rule (3). : Rule 184 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]

2. The Operator of Automated Testing Station shall ensure audit and assessment of the facility by a National Accreditation Board for Testing and Calibration Laboratory accredited agency or any other agency notified by the Central Government for conducting such audits and assessments as per the laid down periodicity and manner. : Sub-rule (2) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

3. The audit and assessment of an automated testing station shall be conducted every six months and the cost of such audit and assessment shall be borne by the operator of

the automated testing station and the operator shall upload the audit and assessment report on the electronic portal specified by the Central Government within one month of the completion of the bi-annual financial year, that is, by 31st October and 30th April of that financial year. : Substituted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022).

[Download GSR 797(E)]

4. The rectification report shall be submitted to the audit and assessment agency for approval, and to the registering authority for information, within such period as may be directed by the registering authority, through the electronic portal specified by the Central Government. : Substituted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022).

[Download GSR 797(E)]

Rule 185 ~ Power of registering authority to suspend or cancel the Registration Certificate or forfeit security deposit.

After giving the holder of a Registration Certificate an opportunity of being heard, if the registering authority is satisfied that he has, -

- i. failed to comply with the requirements as laid down in rules 176 to 179; or
- ii. failed to observe correct standards of testing, as noticed at the time of audit and assessment; or
- iii. failed to conduct timely audit and assessment; or
- iv. Involved in any malpractice, it may, by order in writing to, –
 - a. suspend the Registration Certificate for a specified period; or
 - b. cancel the Registration Certificate and order forfeiture of the security deposit and bank guarantee furnished by the automated testing station.

1. After giving the holder of a Registration Certificate an opportunity of being heard, if the registering authority is satisfied that he has, - : Rule 185 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f. 25/09/2021). [Download GSR 652(E)]

Rule 186 ~ Appeal.

Any person aggrieved by an order of the registering authority under sub- rule (9) of rule 175 or rule 185, may, within thirty days of the receipt of the order, appeal to any officer above the

[rank of registering authority, as appointed by the State or Union territory Government.](#)

1. Any person aggrieved by an order of the registering authority under sub- rule (9) of rule 175 or rule 185, may, within thirty days of the receipt of the order, appeal to any officer above the rank of registering authority, as appointed by the State or Union territory Government. : Rule 186 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]

Rule 187 ~ Procedure for appeal.

(1) [An appeal under rule 186 shall be submitted in the form of a memorandum, setting forth the grounds of objections to the order of the registering authority.](#)

(2) The appeal shall be submitted along with the requisite fee as specified in rule 188.

(3) The officer referred to in rule 186, after giving an opportunity to the parties to be heard and after such enquiry as he may deem necessary, pass reasoned orders within a period of forty-five days from the date of receipt of such an appeal.

1. An appeal under rule 186 shall be submitted in the form of a memorandum, setting forth the grounds of objections to the order of the registering authority. : Rule 187 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]

Rule 188 ~ Fees.

[The fees charged under the provisions of this Chapter shall be as specified in the following table, namely: -](#)

[Table-C]

Sl No.	Purpose	Amount	Rule
(1)	(2)	(3)	(4)
1.	Grant of Preliminary Registration Certificate for establishment of automated testing station	Ten Thousand rupees	175(3)

2.	Grant or renewal of Registration Certificate for automated testing station	Fifty Thousand rupees	175(7)
3.	Security Deposit / bank guarantee for Registration Certificate for automated testing station	Five lakh rupees	175(7)
4.	Issue of duplicate Preliminary Registration Certificate for automated testing station	Five Thousand rupees	180(5)
5.	Issue of duplicate Registration Certificate for automated testing station	Twenty Five Thousand rupees	180(5)
6.	Appeal under rule 187	Thirty Thousand rupees	187(2)

1. The fees charged under the provisions of this Chapter shall be as specified in the following table, namely: - : Rule 188 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]

2. Appeal : SI No. (6) "Appeal against test result(s) of ATS" omitted & (7) renumbered as (6) by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

3. under rule 187 : SI No. (6) "Appeal against test result(s) of ATS" omitted & (7) renumbered as (6) by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

Rule 189 ~ Tests to Be Conducted at Automated Testing Station.

(1) [The grant and renewal of certificate of fitness to the vehicles as per characteristics given in table-H in sub-rule \(7\) of rule 190 shall be made at an automated testing station only after carrying out the following checks and tests as specified in the table-D given below: -](#)

[\[Table-D\]](#)

SI. No.	Item	Automated Test (Yes/No)	Check Fitment (Yes/No)	Visual Check/ Functional Test	Reference Rules / Standards for more details #	Notes for information		
1	Headlamp dipped Beam	Yes	No	Functional	AIS-128	Functional test requirements: Horizontal passing beam shall always be below 1 centreline and the deviation shall be v 2.5%.		
2	Headlamps Assembly	No	Yes	Visual	rule 105 and AIS-008 or AIS-008 (Rev.1) and AIS- 009 or AIS-009 (Rev.1)	Visual inspection parameters:		
						(i)	Bulb should be working;	
						(ii)	Head lamp operating switch wo	
						(iii)	No broken lens;	
						(iv)	Lens of the lamp should not be colour OR pasted with sticker.	
						(v)	No moisture deposition on the i the lens.	
3	Lights							
	(a)	Top Lights	No	Yes	Visual	rule 107, 108 and AIS:008 or AIS-008 (Rev.1) and AIS- 009 or AIS-009 (Rev.1)	Visual inspection parameters:	
							(i)	Coloured lens shall not be fade
						(ii)	Lens should not be broken;	

(Rev.1)

						(iii)	Lamp shall be working;
						(iv)	For the lamps with dual coloured lens, the lamps shall be oriented towards Rear and not towards front;
						(v)	No moisture deposition on the inside of the lens;
						(vi)	Secured fitment of the Lamps
	(b)	Stop Lights	No	Yes	Visual	Visual inspection parameters:	
						(i)	Coloured lens shall not be faded;
						(ii)	Lens should not be broken;
						(iii)	Lamp shall be working on actual road test;
						(iv)	No moisture deposition on the inside of the lens;
						(v)	Secured fitment of the Lamps
	(c)	Parking Lights	No	Yes	Visual	Visual inspection parameters:	
						(i)	Colored lens shall not be faded;
						(ii)	Lens should not be broken;
						(iii)	Lamp shall be working;
						(iv)	No moisture deposition on the inside of the lens;

						(v)	Secured fitment of the Lamps
(d)	Fog Lamps (if fitted)	No	Yes	Visual	AIS-008 or AIS-008 (Rev.1)	Visual inspection parameters:	
						(i)	Coloured lens shall not be faded
						(ii)	Lens should not be broken;
						(iii)	Lamp shall be working;
						(iv)	No moisture deposition on the inside of the lens;
						(v)	Secured fitment of the lamps.
	Warning Lights in Ambulance	No	Yes	Visual	rule 108 and AIS-125 Part 1	Visual inspection parameters:	
						(i)	Coloured lens shall not be faded
						(ii)	Lens should not be broken;
						(iii)	Lamp shall be working;
						(iv)	No moisture deposition on the inside of the lens;
						(v)	Secured fitment of the Lamps
	Number Plate Light	No	Yes	Visual	rule 108 and AIS-008 or AIS-008 (Rev.1) and AIS- 009	Visual inspection parameters:	
						(i)	White light shall be used for illumination of the plate;
						(ii)	Lens should not be broken;

					or AIS-009 (Rev.1)	(iii)	Lamps shall be working;
						(iv)	No moisture deposition on the i the lens;
						(v)	Secured fitment of the Lamps
(g)	End- Outline Marker Lamps	No	Yes	Visual	AIS-008 or AIS-008 (Rev.1)	Visual inspection parameters:	
						(i)	Ensure secured fitment of end-c lamps;
						(ii)	Coloured lens shall not be faded
						(iii)	Lens should not be broken;
						(iv)	No moisture deposition on insic lens
						(v)	Red coloured lens shall face to White lens to the Front
	Direction Indicators	No	Yes	Visual	rule 102 and AIS-008 or AIS-008 (Rev.1) and AIS- 009 or AIS-009 (Rev.1)	Visual inspection parameters:	
						(i)	Flashing light emitted shall be
						(ii)	Lens should not be broken;
						(iii)	Lamps shall be working;
						(iv)	No moisture deposition on the i the lens;
						(v)	Secured fitment of the Lamps

(i)	Hazard Warning Signal lamp	No	Yes	Visual	AIS:008 or AIS-008 (Rev.1) and AIS- 009 or AIS-009 (Rev.1)	Visual inspection parameters:	
						(i)	Flashing light emitted shall be
						(ii)	Ensure simultaneous operation indicator lamps by use of switch
4	Suppressor cap/ High Tension cable	No	Yes	Visual	-	Visual inspection parameters:	
						(A)	Suppressor Cap:
						(i)	Suppressor cap shall be in good
						(B)	High Tension Cable:
						(i)	High Tension cable shall be pro
						(ii)	Proper terminal connections sh both sides of High-Tension cab
5	Rear View Mirrors	No	Yes	Visual	rule 125(2) and AIS-002	Visual inspection parameters:	
						(i)	Ensure fitment of required class per AIS 002 (Part-1) / (Part-2) (
						(ii)	Symbol I / II / III /IV / V/VI/VII class to which the type of mirror ensured on the mirror marking;
6	Safety Glass (Windscreen)	No	Yes	Visual	(a) rule 100 and IS:2553 (Part 2)	(iii)	Secured fitment of mirrors in go
						Visual inspection parameters:	

					(b) Bureau of Indian Standards license marking for the vehicles registered from 1st April, 2021.	(i) Except the glass area covered by FasTag / Permits / Badges, the shall be transparent;
						(ii) The laminated safety glass application shall bear clear and "II" or IV or II/P marking or trademark or manufacturer's logo as per IS:2553 (Part 2);
						(iii) Glass shall not be damaged / cracked and films shall not be pasted on the
7	Horn	No	Yes	Visual and Functional	IS-1884, rule 119 and IS- 15796	Visual inspection parameters:
						(i) Multi-toned horn giving a succession of notes or with any other sound pattern giving an unduly harsh, shrill, loud noise shall not be used;
						(ii) Horn shall be securely fitted;
						(iii) Horn shall be functioning;
						Functional test requirements:
						Sound pressure level of the horn of the vehicle shall be as per IS: 1579
8	Silencer					
(a)	Silencer	No	Yes	Visual	rule 120 and IS 10399:1998	Visual inspection parameters:
(b)	Exhaust Noise Test (dB)					(i) Ensure no leakage;
						(ii) Secured fitment of silencer;

						(iii)	Silencer shall not be excessively damaged;
							Functional test requirements: Stationary test as per IS 10399:1998
9	Windscreen Wiper						
	(a)	Windscreen Wiper Blades	No	Yes	Visual	rule 101, AIS-045, IS: 15804 and IS: 15802	Visual inspection parameters:
							(i) Ensure presence of wiper blade
							(ii) Wiper blade shall be in good condition
	(b)	Windscreen Wiper System	No	Yes	Functional	rule 101, AIS-045, IS: 15804 and IS: 15802	Visual inspection parameter:
							(i) Ensure operation of each wiper area of the windscreen
							(ii) In split type windscreen for vehicles, wiper shall be fitted to windscreen;
							(iii) Wiper shall be securely fitted
	10	Dashboard Equipment	No	Yes	Visual	AIS-071 Part 1	Visual inspection parameters:
							(i) Ensure secured mounting;
							(ii) Wiring shall be insulated;
							(iii) Dashboard illumination shall be provided;
							(iv) Warning lights for ABS, Electrical, brake system; alert, l

						engine malfunction, Engine code shall not remain illuminated.
11	Exhaust					
(a)	Exhaust gas Emission - CO%	Yes	No	Functional	Rule 115 (2) (i) TABLE	Applicable for Petrol/CNG/LP G drive
(b)	Exhaust gas Emission - HC (ppm)	Yes	No			
(c)	Exhaust gas Emission High idle emission - CO% (ppm)	Yes	No	Functional	Rule 115 (2) (i) TABLE A	Applicable for petrol driven 4- Wheeler manufactured as per BS IV or BS VI norms driven 3-Wheeler vehicles manufactured as per BS IV or BS VI norms
(d)	Exhaust gas Emission High idle emission - Lambda	Yes	No		Rule 115 (2) (i) TABLE A	Applicable for petrol driven 4- Wheeler manufactured as per BS IV or BS VI norms driven 3-Wheeler vehicles manufactured as per BS IV or BS VI norms
(e)	Smoke Density (Free Acceleration test applicable for Diesel vehicles)	Yes	No	Functional	Rule 115 (2) (ii) - TABLE	Applicable for diesel vehicles.
12	Braking System					

(a)	Service Brakes	Yes	Yes	Visual and Functional	AIS-128	Visual inspection parameters:	
						(i)	Fittings shall be secured;
						(ii)	Brake hoses shall not be damaged
						(iii)	No leakage of brake fluid.
						Functional test requirements:	
(b)	Parking Brakes	Yes	Yes	Visual and Functional	AIS-128		Braking efficiency measured on a test rig or tester should be at least 27.23%
						Functional test requirements:	
13	Steering Gear	Yes	Yes	Functional	rule 98	Functional test requirements:	
							Back-lash / Free play in steering gear should not be more than 30 degrees
14	Side Slip Test (This test applies to all categories of vehicles except 3-wheelers)	No	No	Functional	As per specification		
15	Suspension Test (Applicable for vehicles having GVW upto 3.5 ton excluding 3-wheelers)	No	No	Functional	-	Functional test requirements:	
							No significant difference between the system efficiency of left and right wheels

16	Joint Play Test	No	Yes	Visual and Functional	-	Visual inspection parameters:	
						(A)	Suspension system:
						(i)	Ensure secured attachment of s _j absorbers to chassis or axle;
						(ii)	Springs shall not be damaged o
						(iii)	Shock absorber dampers shall r leakage;
						(iv)	Excessive wear shall not happe bushes or at suspension joints;
						(v)	In case of Air suspension, ensui system leakage
						(B)	Axle:
						(i)	Secured fixing to the vehicle;
						(ii)	Axle shall not be fractured or d
17	Speedometer	No	Yes	Visual	rule 117 and IS- 11827- 2008	(iii)	Excessive wear shall not happe or Bushes
						(C)	Steering System:
							Check for tie rod ends play or loo etc.
(a)	Speedometer	No	Yes	Visual	rule 117 and IS- 11827- 2008	Visual inspection parameters:	
						(i)	Securely fitted;

						(ii)	Sufficiently illuminated;
						(iii)	Dial cover shall not be broken;
						(iv)	Indicator needle operational.
(b)	Speedometer Test (For E-rickshaw or Ecart)	No	No	Functional	As per specification	The vehicle shall be driven in unladen full charge and at full accelerator position on flat road and when the vehicle attains maximum speed shall be calculated by taking time taken to travel fixed distance (viz 500 m). Maximum speed of the vehicle shall not be less than 25 km/hr.	
18	Rear under run protection device (RUPD) for N2, N3, T3 and T4	No	Yes	Visual	rule 124 (1A) and IS-14812-2005	Visual inspection parameters:	
						(i)	Rear Underride Protection Device shall not be cracked, corroded or damaged;
						(ii)	Ensure that ground clearance at rear of vehicle shall be as per IS-14812-2005.
						(iii)	Rear Underride Protection Device shall not be cracked, corroded or damaged;
19	Lateral under run protection device (LUPD) for N2, N3, T3 and T4	No	Yes	Visual	rule 124 (1A) and IS-14682-2004	Visual inspection parameters:	
						(i)	Lateral under run protection device shall not be cracked, corroded or damaged;
						(ii)	Ensure that dimensions of Lateral under run protection device shall be as per IS-14682-2004.
						(iii)	Lateral under run protection device shall not be cracked, corroded or damaged;

20	FASTag	No	Yes	Visual	rule 138 (A)	Visual inspection parameters:	
						(i)	To be affixed on the front wind
						(ii)	FASTag shall be not damaged.
21	Priority Seats, Signs, securing of crutches/ canes/walker, hand rail/ stanchions, controls at priority seats for differently abled passengers and passengers with reduced mobility	No	Yes	Visual	sub-rules (1) and (7) of rule 125C, AIS-052 (Rev. 1) and AIS- 153	Visual inspection parameters:	
						(i)	Buses fitted with a priority seat pictogram(s) visible from the front nearside of the bus and adjacent to relevant service door(s);
						(ii)	A pictogram shall be placed inside the priority seat
						(iii)	All Type I buses shall have at least one priority seat in case of Mini and Midi buses and two priority passenger seats in case of other buses. Priority seats shall be of the type as specified in the rules as priority seats for persons with disabilities;
						(iv)	Priority seats shall be only of the Type I type and preferably be located behind the driver's seat;
						(v)	The priority seats shall be fitted with appropriate facility for securing crutches, canes, walkers etc. to facilitate use by persons with disabilities;
						(vi)	Handrails or stanchions shall be provided at the entrance of all Type I buses;
						(vii)	All Type I NDX buses shall be fitted with controls adjacent to priority seats which alert the driver when a user wishes to disembark;
						(viii)	Communication devices shall be provided in all Type I buses to any priority seat.

22	Wheel chair entry/housing/locking arrangement for wheel chair for differently abled passengers and passengers with reduced mobility	No	Yes	Visual	sub rules (1) and (7) of rule 125C, AIS-052 (Rev. 1) and AIS- 153	Visual inspection parameters:	
						(i)	Buses fitted with a wheelchair pictogram(s) visible from the front nearside of the bus and adjacent to relevant service door(s);
						(ii)	One of the pictograms shall be adjacent to each wheelchair space whether the wheelchair is to be at the front or the rear of the bus;
						(iii)	Wheelchair space shall be provided with a restraint system capable of restraining a wheelchair and the wheelchair user;
						(iv)	Ensure sufficient space available for wheelchair user to maneuver without assistance of a person;
						(v)	Vehicles of Type I shall have id to accommodate at least one wheelchair.
23	Vehicle Location Tracking (VLT) Device	No	Yes	Visual	AIS-140	Visual inspection parameters:	
						(i)	Vehicle Location Tracking shall be installed;
24	High Security Registration Plate (HSRP)	No	Yes	Visual	rule 50 and AIS- 159	Visual inspection parameters:	
						(i)	High Security Registration Plate shall be at front & rear of the vehicle;
						(ii)	Securely Fixed.

25	Battery	No	Yes	Visual	-	Visual inspection parameters:	
						(i)	Secured mounting;
						(ii)	Ensure no leakage;
						(iii)	Ensure top is clean, dry, free of
26	Safety belt (Seatbelt)	No	Yes	Visual	rule 125(1-A) and AIS- 015 or IS 15140:2003	Visual inspection parameters:	
						(i)	Mandatory safety belts shall be securely fitted;
						(ii)	Safety belts shall not be damag
						(iii)	Safety belt anchorage shall not
						(iv)	Seatbelt reminder system, if av; functioning;
						(v)	G - lock of seatbelt should be fi
27	Speed Governor	Yes	Yes	Visual and Functional	rule:118 and AIS-018	Visual inspection parameters:	
						(i)	Securely fitted;
						(ii)	Speed governor shall be sealed;
						(iii)	Electrical wirings of speed govt be disconnected;
						Functional test requirements	
						(i)	80 km/hr for every transport m category M and N manufacture

						Oct, 2015;
						(ii) For transport vehicles manufactured on or after 1st October, 2015 that are dump trucks, school buses, those carrying hazardous materials or any other category of vehicles, specified by the Central Government by notification, the maximum speed shall not exceed 80 km/hr or any other speed as specified by the State Government.
28	Spray Suppression Devices	No	Yes	Visual	AIS-013 (Rev. 1)	Visual inspection parameters: Ensure presence of securely fitted suppression devices.
29	Tyres	No	Yes	Visual	Rule 94 and 95	Visual inspection parameters: (i) Tyres shall not have any serious damage (such as puncture, cut, or repaired by an outside gaiter or vulcanized repair) or cut; (ii) The Non-Skid Depth (NSD), shall be not less than 0.8 mm in the case of quadricycle, E-rickshaw and E-scooter and 1.6 mm in the case of other motor vehicles. The Tread Wear Indicator (TWI) shall be visible at the time of manufacture; (iii) Tyres shall be properly inflated; (iv) Tyres shall not show signs of internal damage, local deformation or swelling; (v) There shall be no visible wear of the tread or by any unusual abrasion in any of its parts; (vi) Temporary spare wheel or repair kit shall be available

30	Retro- Reflector and reflective tapes	No	Yes	Visual	rule: 104, AIS-090 and AIS- 037, AIS- 057 and AIS-057 (Rev.1)	Visual inspection parameters:	
						(A)	Reflectors
						(i)	Ensure presence of clean reflec
						(ii)	Secured fitment of reflectors;
						(iii)	Reflectors shall not be in dama
						(iv)	Ensure that colour of reflectors rule 104 i.e., red colour to the r front.
						(B)	Reflective Tapes –
						(i)	Ensure presence of clean refle
						(ii)	Securely pasted to vehicle body
						(iii)	Ensure that size, colour and loc tapes shall be as per rule 104;
						(iv)	Reflective tapes shall not be da
						(v)	The marks shall be visible, clea outside of the marking material indelible.
Additional Tests to be conducted on Electric Vehicles							
31	Protection against electric shock (For Electric	Yes	No	Visual and Functional	AIS-038 (Rev.1)	Visual inspection parameters:	
						(i)	Ensure access probe shall not to

	vehicles only) If system voltage is > 60 V DC or 30 V AC					<p>(ii) In the case of the test for IPXX other than passenger compartment, the jointed test fi penetrate to its 80 mm length, b (diameter 50 mm x 20 mm) sha through the opening;</p> <p>(iii) In case of the tests for IPXXD i passenger compartment or lugg the access probe may penetrate but the stop face shall not fully the opening.</p> <p>Functional test requirements:</p> <p>(i) When the requirements of IPX2 are verified by a signal circuit b and live parts, ensure that the la</p>
32	Insulation Resistance Measurement Test (For Electric vehicles only) If system voltage is > 60 V DC or 30 V AC	Yes	No	Functional	AIS-038 (Rev.1) and (Rev. 2) as amended from time to time	<p>Functional test requirements:</p> <p>(i) Insulation resistance measured should be greater than 500Ω</p> <p>(ii) The measurement of test parameter automated while test set-up is manual</p>
33	State of Charge (SOC) Indicator on Dashboard AIS-038 (Rev.1)	No	Yes	Visual	AIS-038 (Rev.1)	<p>Visual inspection parameters:</p> <p>Manufacturer supplied SOC indicator working condition to see charging status</p>

Tests to be conducted on Two Wheelers

34	Headlight	Yes	Yes	Functional and Visual	AIS-009 (Rev.1): 2011, Clause no. 6.2.5.2	The vertical inclination of the passing shall remain between - 0.5% and - 2.4% in case where an external adjusting device is provided.
35	Emission					
(a)	Exhaust Gas emission - CO%	Yes	No	Functional	rule 115 (2) (i) - TABLE	
(b)	Exhaust Gas emission - HC (ppm)	Yes	No	Functional		
(c)	Exhaust Gas emission - (High Idle emission) - CO%	Yes	No	Functional	rule 115 (2) (i) - TABLE	Applicable for petrol driven 2- Wheeler manufactured as per BS VI norms
(d)	Exhaust Gas emission - (High Idle emission) - Lambda	Yes	No	Functional	rule 115 (2) (i) - TABLE A	Applicable for petrol /CNG /LPG driven vehicles manufactured as per BS VI norms
36	Braking System	Yes	Yes	Functional		

Additional tests to be conducted on Two-Wheeler Electric Vehicles

37	Protection against Electric Shock (For Electric vehicles only) If system voltage is > 60 V DC or 30 V AC	No	No	Visual and Functional	AIS-038 (Rev.1) and (Rev. 2) as amended from time to time.	<p>(1) Visual inspection parameters:</p> <p>(i) Ensure access probe shall not touch l</p> <p>(ii) In the case of the test for IPXXB in passenger compartment or luggage com jointed test finger may penetrate to its 8 but the stop face (diameter 50 mm x 20 through the opening;</p> <p>(iii) In case of the tests for IPXXD inside compartment or luggage compartment, t may penetrate to its full length, but the s fully penetrate through the opening.</p> <p>(2) Functional test requirements:</p> <p>(i) When the requirements of IPXXB an verified by a signal circuit between the j parts, ensure that the lamp shall not ligh</p>
38	Insulation Resistance Measurement Test (For Electric vehicles only) If system voltage is > 60V DC or 30V AC	Yes	No	Functional	AIS-038 (Rev.1) and (Rev. 2) as amended from time to time.	<p>Functional test requirements:</p> <p>(i) Insulation resistance measured shoul than 500Ω/V.</p> <p>(ii)The measurement of test parameters while test set-up is manual.</p>
Additional tests to be conducted on Vehicles other than Two Wheeler and Three Wheeler						
39	Malfunction Indicator	No	No	Visual	As per CMVR 1989	If MIL is —Onl, it indicates the emissio discontinuity.

Lamp - MIL (part of OBD Scan Tool)						
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Notes.

(a) If a vehicle fails any of the test(s) specified in serial number 1, 11, 12(a), 13, 17(b), 31, 32, 34, 35, 37 and 38, such vehicle shall be declared as unfit and shall be allowed to apply for multiple re-tests after paying prescribed fitness testing fee.

(b) if The vehicle is not tested within 180 days from the last test date (excluding the day of test) or from the date of expiry of fitness certificate, whichever is later, it shall be categorised as 'End-of-Life Vehicle' (ELV). The registering authority of the State/Union Territory to their satisfaction, may allow extension beyond 180 days, under exceptional circumstances.

(c) a vehicle fails any of the test(s) other than those listed in (a) above and except serial number 8(b), 12(b), 14, 15, 16, 17(a) and 39 (tests which have no bearing on the fitness status of a vehicle but are recommended to be fixed by vehicle owner for optimal vehicle performance), such vehicle shall be declared as 'Unfit'. Such vehicle may undergo multiple re-tests, after paying the prescribed fitness testing fee.

(d) a vehicle passes all the tests except serial number 8(b), 12(b), 14, 15, 16, 17(a) and 39, which have no bearing on the fitness status of a vehicle but are recommended to be fixed by vehicle owner for optimal vehicle performance, it shall be declared as 'fit'.";

(e) Reference and Standards quoted under column (6) against each item are indicative that the provisions exist under the Central Motor Vehicles Rules, 1989 and concerned Automotive Industry Standards /Indian Standards, except serial numbers (14), (15), (16), (17(a)) and (39), which are to inform the registered owner or authorised representative about the health of the vehicle. These are valid as on date and shall be applicable as amended from time to time.

Explanation. – For the removal of doubt, it is hereby clarified that the items viz., FASTag, Vehicle Location Tracking Device, High Security Registration Plate, Safety Belt (Seatbelt), Battery, etc., which cannot be tested through the automated testing equipment as per column (3), shall be tested in accordance with the applicable provisions of these rules.

Reference and Standards quoted against each item are indicative that the provisions exist in Central Motor Vehicles Rules, 1989 and concerned AIS / IS, except serial

numbers 14, 15 and 16 as per table-D, which is to inform the registered owner or authorised representative about the health of the vehicle.

(2) Visual checks (Interior and exterior vehicle checks) to be carried out before moving the vehicle to the test lane.

(3) The test lanes at an automated testing station may be segregated into three stations, to balance activities and following tests may be conducted at each station as per the table-E given below : -

[Table-E]

Station-1	Station-2	Station-3
<ul style="list-style-type: none"> • RFID Authentication of Operator • Emission Test • Horn Test • Exhaust Noise Test • Speedometer Test • Speed Governor Test 	<ul style="list-style-type: none"> • RFID Authentication of Operator • Side Slip Test • Front & Rear Suspension Test • Service Brake & Parking Brake Test 	<ul style="list-style-type: none"> • RFID Authentication of Operator • Under Body Visual Inspection using Axle play detector • Steering Angle test • Head Light Test

The operator may choose a different combination of tests (as mentioned in above table) to be conducted at each station in a lane, depending on layout of lanes and throughput.

(4) All stations shall have the capability of accepting login and password, reading Radio Frequency Identification, smartcard or any equivalent device and the tests shall be operated remotely so as to minimise any manual intervention.

(5) All Visual checks conducted on a vehicle in an Automated Testing Station shall be photographed using a mobile device and the record of the same shall be preserved for at least six months for audit and assessment purposes.

▼ OLD LAW

Prior to the substitution Notes read as under

(1) The vehicle that fails any of the above tests, except serial numbers 14, 15, 16, 17(a) and 39 (which are only for information purpose, informing about the health of the vehicle to the owner), shall be declared **Unfit**. The registered owner or authorised signatory of the vehicle shall have an opportunity to apply for a re-test within thirty days of such result, after getting the defect specified in the test report of initial inspection, rectified. Such vehicle shall be re-tested only for the test(s) which it failed during initial inspection.

(2) During the initial inspection, if the vehicle fails any of the tests as specified in serial number (1), (11), (12(a)), (13), 17(b), (31), (32), (34), (35), (37) and (38) and is not re-tested within thirty days of such result, such vehicle shall be declared as End-of-Life Vehicle (ELV).

(3) During re-test, if the vehicle passes all the tests failed in initial test, it will be declared **Fit**. However, as a result of the re-test, if the vehicle fails any of the tests as specified in serial number (1), (11), 12(a), (13), 17 (b), (31), (32), (34), (35), (37) and (38), as the case may be according to the type of the vehicle, such vehicle shall be declared as **End-of-Life Vehicle (ELV)**. In case, during the re-test, a vehicle fails any test, except the tests specified in serial numbers 14, 15, 16, 17(a) and 39 of Table-D, such vehicle shall be declared as **Unfit**.

(4) In case the retest (partial or complete test) is ordered by the Appellate Authority and,—

(i) if the vehicle fails any of the test(s) as specified in serial number (1), (11), (12(a)), (13), (17(b)), (31), (32), (34), (35), (37) and (38), such vehicle shall be declared as End-of-Life Vehicle (ELV).

(ii) If the vehicle fails any of the test(s) other than those listed in (i) above and except serial numbers (14), (15), (16), (17(a)) and (39) (which are only for information purpose), such vehicle shall be declared as Unfit.

(iii) If the vehicle passes all the tests (except serial numbers (14), (15), (16), (17(a)) and (39), which are only for information purpose), such vehicle shall be declared as Fit.

1. The grant and renewal of certificate of fitness to the vehicles as per characteristics given in table-H in sub-rule (7) of rule 190 shall be made at an automated testing station only after carrying out the following checks and tests as specified in the table-D given below: - : Rule 189 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021).

[Download GSR 652(E)]

2. [Table-D] : Table-D substituted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022).

[Download GSR 797(E)]

3. (a) If a vehicle fails any of the test(s) specified in serial number 1, 11, 12(a), 13, 17(b), 31, 32, 34, 35, 37 and 38, such vehicle shall be declared as unfit and shall be allowed to apply for multiple re-tests after paying prescribed fitness testing fee. : Sub-rule (2) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

4. (b) if The vehicle is not tested within 180 days from the last test date (excluding the day of test) or from the date of expiry of fitness certificate, whichever is later, it shall be categorised as 'End-of-Life Vehicle' (ELV). The registering authority of the State/Union Territory to their satisfaction, may allow extension beyond 180 days, under exceptional circumstances. (c) a vehicle fails any of the test(s) other than those listed in (a) above and except serial number 8(b), 12(b), 14, 15, 16, 17(a) and 39 (tests which have no bearing on the fitness status of a vehicle but are recommended to be fixed by vehicle owner for optimal vehicle performance), such vehicle shall be declared as 'Unfit'. Such vehicle may undergo multiple re-tests, after paying the prescribed fitness testing fee. : Sub-rule (2) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

5. (d) a vehicle passes all the tests except serial number 8(b), 12(b), 14, 15, 16, 17(a) and 39, which have no bearing on the fitness status of a vehicle but are recommended to be fixed by vehicle owner for optimal vehicle performance, it shall be declared as 'fit'. : Sub-rule (2) substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024).

[Download GSR 195(E)]

6. (e) : SL No. (5) renumbered as (e) by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024).

[Download GSR 195(E)]

Rule 190 ~ Equipment Specification for Automated Testing Station.

(1) [The equipment used at an automated testing station shall be capable of measuring maximum safe axle weight as notified under section 58 of the Act.](#)

(2) The equipment shall be able to test all categories of vehicle under fitness regime.

(3) The software of the equipment shall allow modification in the inspection system as required by the registering authority.

(4) All equipment shall be able to operate in the following environmental conditions, namely:

-

i. temperature range 0°C to 55°C;

ii. humidity up to 95%;

iii. dust: Typical Indian testing condition.

(5) The equipment used at an automated testing station shall comply with the following specifications as given in the Table-F below: -

[\[Table-F\]](#)

Sl. No.	Equipment	Technical Specification			
		Light Commercial Vehicles and Light Motor Vehicles		Medium and Heavy Commercial Ve	
1	Roller brake tester	(a)	Maximum measurable brake load is at least of 6kN	(a)	Maximum measurable brake load at least of 40 kN.
		(b)	Difference in left and right braking efficiency	(b)	Difference in left and right braking efficiency
		(c)	Brake load resolution $\leq 100\text{N}$	(c)	Brake load resolution $\leq 100\text{N}$

		(d)	Suitable roller diameter, length and separation as per the Matrix given in clause (7) of this rule	(d)	Suitable roller diameter, length and separation as per the Matrix given in clause (7) of this rule
		(e)	Provision for lifting and braking of roller for easy exit of vehicle	(e)	Provision for lifting and braking of roller for easy exit of vehicle
		(f)	Approximate Testing speed: 5 km/h \pm 1 km/h	(f)	Approximate Testing speed: min 2.5 km/h
		(g)	Roller surface	(g)	Roller surface
			i. Minimum frictional coefficient 0.6 (Supporting documents from internationally certified agencies or NABL accredited labs in India for confirmation of minimum frictional coefficient of roller surface need to be provided).		i. Minimum frictional coefficient 0.6 (Supporting documents from internationally certified agencies or NABL accredited labs in India for confirmation of minimum frictional coefficient of roller surface need to be provided).
			ii. Service life: Minimum 25000 hrs (Self-declaration from OEM specifying required useful life of rollers without any damage need to be provided)		ii. Service life: Minimum 25000 hrs (Self-declaration from OEM specifying required useful life of rollers without any damage need to be provided)
		(h)	Measurement accuracy : \pm 100 N	(h)	Measurement accuracy : \pm 2% of measured value
2	Axle Weight Measurement	(a)	Weighing scale for measurement of each axle weight is required. The system should determine this by adding	(a)	Weighing scale for measurement of each axle weight is required. The system should determine this by adding

			together the axle weight, tare weight/ Kerb weight of the vehicle. Axle weight measurement system can be separate or integrated within either Suspension Tester or Roller Brake Tester equipment.		adding together axle weight weight/ Kerb weight of the vehic Axle weight measurement system c separate or integrated within Brake Tester equipment.
		(b)	Measuring Range: 0 - 3000 kg	(b)	Measuring range: 0 kg - 15000 k
		(c)	Resolution 5kg	(c)	Resolution: 5 kg
		(d)	Accuracy $\pm 1\%$ of reading	(d)	Accuracy $\pm 1\%$ of reading
3	Suspension tester	(a)	Amplitude of excitation: 6.5 mm +/- 5 mm		
		(b)	Measurement accuracy - $\pm 1\%$ of wheel load		
4	Side slip tester	(a)	Suitable dimension of track plate length, weight and height	(a)	Suitable dimension of track plate length, weight and height
		(b)	Measuring range: ± 20 m/km	(b)	Measuring range: ± 20 m/km
		(c)	Measuring resolution: 1 m/km	(c)	Measuring resolution: 1 m/km Accuracy shall be ± 1.0 m/km
		(d)	Accuracy shall be ± 1.0 m/km		
5	Joint Play tester	(a)	Maximum Force per plate is at least of 6 kN	(a)	Maximum Force per plate is at le 30 kN

		(b)	Maximum movement on each side: 50 - 80 mm (Hydraulic)	(b)	Maximum movement on each side: 100 mm (Hydraulic)
6	Electronic Steering Gear Play Detector	(a)	Capable of measuring angular movement up to $\pm 30^\circ$	(a)	Capable of measuring angular movement up to $\pm 30^\circ$
		(b)	Recording mechanism to measure wheel movement against steering movement	(b)	Recording mechanism to measure wheel movement against steering movement
		(c)	Measurement accuracy - $\pm 2\%$ of full-scale deflection	(c)	Measurement accuracy - $\pm 2\%$ of full-scale deflection
7	Semi Automatic Head light tester	(a)	Light Intensity range measure (min): 0-100,000 cd	(a)	Light Intensity range measure: 0-100,000 cd
		(b)	Illumination Intensity range measure: 0-200 lux	(b)	Illumination Intensity range measure: 0-200 lux
		(c)	Headlight tester must have autofocusing ability and should be capable of measuring headlamp with their Centres 500 mm to 1200 mm above ground level	(c)	Headlight tester must have autofocusing ability and should be capable of measuring headlamp with their Centres 500 mm to 1200 mm above ground level.
		(d)	Vertical and horizontal measuring range: ± 50 cm/10 m ($\pm 5\%$)	(d)	Vertical and horizontal measuring range: ± 500 mm/10 m ($\pm 5\%$).
		(e)	Intensity maximum deviation: $\pm 5\%$ of reading.	(e)	Intensity maximum deviation: $\pm 5\%$ of reading.

		(f)	Headlamp tester to be placed on a perfectly level surface/ rails.	(f)	Headlamp tester to be placed on perfectly level surface/ rails.
		(g)	Maximum deviation of inclination measurement (vehicle orientation): $\pm 0.1\%$	(g)	Maximum deviation of inclination measurement (vehicle orientation): $\pm 0.1\%$
8	Opacimeter	(a)	Equipment to meet specifications as per MoRTH / Central Motor Vehicles Rules, 1989 / TAP 115 / 116 or AIS 137 (part 8)	(a)	Equipment to meet specification as per MoRTH / Central Motor Vehicles Rules, 1989 / TAP 115 / 116 or AIS 137 (part 8)
9	Exhaust gas analyzer	(a)	The equipment should measure gas emissions of gasoline, CNG, LPG as per Central Motor Vehicles Rules, 1989 / TAP 115/116 or AIS 137 (part 8)	(a)	The equipment should measure gas emissions of gasoline, CNG, LPG as per Central Motor Vehicles Rules, 1989 / TAP 115/116 or AIS 137 (part 8)
		(b)	Threshold limits as per relevant provisions in rule 115	(b)	Threshold limits as per relevant provisions in rule 115
		(c)	Measuring resolution to be as follows:	(c)	Measuring resolution to be as follows:
		(i)	CO: 0.01%	(i)	CO: 0.01%
		(ii)	CO ₂ : 0.1%	(ii)	CO ₂ : 0.1%
		(iii)	HC: 1 ppm	(iii)	HC: 1 ppm
		(iv)	O ₂ : 0.02% for measured values $\leq 4\%$ & 0.1% for measured values $\geq 4\%$	(iv)	O ₂ : 0.02% for measured values $\leq 4\%$ & 0.1% for measured values $\geq 4\%$

		(v)	Lambda: 0.001 RPM counter: 10 rpm	(v)	Lambda: 0.001 RPM counter: 10 rpm
		(d)	The maximum deviation allowed in the rpm counter shall be ± 20 rpm or $\pm 2\%$ of the reading, whichever is greater.	(d)	The maximum deviation allowed in the rpm counter shall be ± 20 rpm or $\pm 2\%$ of the reading, whichever is greater.
		(e)	(i) Probe to be mechanically clamped to the tail pipe for suitable analysis of exhaust gas.	(e)	(i) Probe to be mechanically clamped to the tail pipe for suitable analysis of exhaust gas.
			(ii) Ambient air quality should not be disturbed due to exhaust gas emissions. Suitable mechanism to be incorporated for extraction of exhaust gas from the shed		(ii) Ambient air quality should not be disturbed due to exhaust gas emissions. Suitable mechanism to be incorporated for extraction of exhaust gas from the shed.
	10	(a)	Suitable dimension of track weight, roller diameter and axle separation, as per the Matrix given in clause (7) of this rule	(a)	Suitable dimension of track weight, roller diameter and axle separation, as per the Matrix given in clause (7) of this rule
		(b)	Provision for lifting and braking of roller for easy exit of vehicle	(b)	Provision for lifting and braking of roller for easy exit of vehicle
		(c)	Measuring range: 20 – 160 km/h	(c)	Measuring range: 25 – 100 km/h
		(d)	Resolution: 1 km/h	(d)	Resolution: 1 km/h
		(e)	Accuracy $\pm 1\%$ of indicated reading	(e)	Accuracy $\pm 1\%$ of indicated reading

11	Sound level meter	(a)	Recommended as per IEC 60651/ IEC 61672-1	(a)	Recommended as per IEC 60651 61672-1
		(b)	Measuring level: $\geq 30\text{dB}$ to $\leq 120\text{dB}$	(b)	Measuring level: $\geq 30\text{dB}$ to ≤ 120
		(c)	Frequency A & C	(c)	Frequency A & C
		(d)	Accuracy : $\pm 1.5\text{ dB}$	(d)	Accuracy: $\pm 1.5\text{ dB}$
		(e)	Tripod stand mounted	(e)	Tripod stand mounted
		(f)	Build battery for power source of charging from outlet of 220V AC and USB	(f)	Build battery for power source o charging from outlet of 220V AC USB
		The location of the Sound Level Meter to be clearly marked on the test station.		The location of the Sound Level Meter clearly marked on the test station.	
12	OBD Scan Tool	(a)	Compliant to: OBDII/EOBD/HDOBD/WWH-OBD Scan-Tool in accordance with SAE J1979, SAE J1939 and ISO 27145	(a)	Compliant to: OBDII/EOBD/HDOBD/WWH-OBD Sca in accordance with SAE J1979, SAE J1939 and ISO 27145
		(b)	Must support all OBD modes	(b)	Must support all OBD modes
		(c)	Diagnostics Communication mediums supported: KWP2000 (K-Line, CAN TP2.0 and ISO-CAN), UDS (ISO-CAN)	(c)	Diagnostics Communication mediums supported: KWP2000 (K-Line, CAN TP2 ISO-CAN), UDS (ISO-CAN)
13	Test Fingers (for Electric & Hybrid- Electric Power train vehicles only)	(a)	IPXXB & IPXXD test fingers	(a)	IPXXB & IPXXD test fingers

14	Insulation Tester (for Electric & Hybrid-Electric Power train vehicles only)	(a) Rated measuring voltage: upto 1000V DC/AC (45 to 65 Hz) (b) Measuring range: 10kΩ to 100MΩ or better (c) Accuracy: upto 10MΩ ±2% of reading & above 10MΩ ±5% of reading	(a) Rated measuring voltage: upto 1000V DC/AC (45 to 65 Hz) (b) Measuring range: 10kΩ to 100MΩ or (c) Accuracy: upto 10MΩ ±2% of reading above 10MΩ ±5% of reading						
15	Free Roller Set (For Speedometer test on All Wheel Drive vehicles)	(i) The device shall be portable to accommodate large variations in wheelbase of the vehicle (ii) It shall allow driven axels to turn without touching the floor. It shall be composed of a chassis with free turning wheels mounted onto it. (iii) The device shall be designed to ensure safety of nearby people and vehicles so a proper restraint system shall be proposed							
16	Bogie Roller Set (For Roller Brake Test or Speedometer Test on multi-axle HCV with more than one live axle)		(i) Proper braking mechanism for locking rollers during exit of vehicle shall be prov (ii) The bogie rollers are to be suitably de to accommodate varying distances between axles and are to be embedded suitably to t both brake and speedometer						
Technical Specifications for Two Wheelers									
17	Roller brake tester	<table><tr><th colspan="2">Parameter</th><th>Technical specifications</th></tr><tr><td>(a)</td><td>Maximum load charge per wheel</td><td>1 T</td></tr></table>	Parameter		Technical specifications	(a)	Maximum load charge per wheel	1 T	
Parameter		Technical specifications							
(a)	Maximum load charge per wheel	1 T							

		(b)	Maximum measurable brake load	3 kN
		(c)	Minimum Roller Diameter	suitable roller diameter to test all types of mopeds, scooters & motorcycles
		(d)	Minimum Roller Separation	Suitable roller separation to test all types of mopeds, scooters & motorcycles
		(e)	Minimum Roller Length	Suitable roller length to test all types of mopeds, scooters & motorcycles
		(f)	Roller Surface – Minimum frictional coefficient	0.6
		(g)	Roller Surface Service life	Min. 50000 hrs.
		(h)	Brake load resolution	$\leq 10\text{N}$
		(i)	Brake load accuracy	$\pm 10\text{ N}$ of measured value
		(j)	Approximate testing speed	5 km/h
18	Headlight tester	Parameter		Technical specifications
		(a)	Light Intensity range measure (min)	0 - 100000 cd
		(b)	Illumination Intensity range measure	0-200 lux
		(c)	Headlight tester capable of measuring headlamp with their Centre above ground level	240 mm to 1500 mm
		(d)	Vertical and horizontal measuring Range	$\pm 50\text{ cm}/10\text{ m}$ ($\pm 5\%$)

		(e)	Maximum deviation of intensity	± 5 % of reading
		(f)	Headlamp tester to be placed on a perfectly level surface/ rails	
Technical Specifications of equipment for testing Three-Wheeler				
19	Toeing trolley or rail Trolley (For front wheel of 3-Wheeled vehicle)		(i) Toeing trolley should be capable of safe movement of front wheel of 3-wheelers b sliding over the inspection pit. (ii) Locking mechanism should be provided for loading & unloading of front wheel c wheelers on the trolley.	

(6) The minimum Information Technology hardware requirement for an Automated Testing Station shall be as per the following table, namely: -

[Table-G]

Sl. No.	Equipment	Specification	
1	Server specifications	(a)	Processor Type: Intel Xenon Scalable Processor V2 or better
		(b)	Processor: Minimum of 12 cores/Processor or better
		(c)	Memory: 64GB DDR3 or higher
		(d)	Power supply: 650W Redundant power supply
		(e)	Internal Storage: Enterprise SSD 7 TB or better
		(f)	Hot swap or better

2	Desktop specifications	(a)	Intel® 10th Generation Core™ i7 Processors or better
		(b)	3.0 GHz base frequency, or better
		(c)	1 TB SSD / NVMe drive
		(d)	8 GB 1333 MHz DDR3 SDRAM or better
3	Printer specifications	(a)	Laser and duplex printer (Black and Colour)
		(b)	PPM- 30 or better
		(c)	Page size supported-A4, B5, A5, Legal, Letter, Statement, Executive, Government Letter, Government Legal, Foolscap, Indian Legal Custom (Minimum 76.2 x 210mm to Maximum 216 x 356mm)
		(d)	Print resolution - 600 x 600dpi or better
4	Number Plate Reader Camera	(a)	Frames per second: 50
		(b)	Megapixel: 2.0 or higher
		(c)	On VIF Protocol
		(d)	IP67
5	Speed dome Camera	(a)	Image sensor 1/3“ Progressive Scan CMOS
		(b)	20X optical or better / digital zoom camera

		(c)	30x motorized zoom lens and auto focus
		(d)	Megapixel: 2.0 or higher
		(e)	IP67
		(f)	IK10
6	Network Video Recorder	(a)	Multiplex recording schedule options: manual, alarm, motion detection, timing
		(b)	Multiplex operation: live view, record, play back, backup and remotely control the system simultaneously
		(c)	HDMI and VGA output simultaneously at up to 1080P resolution
		(d)	H.265 High profile decoding, 2 SATA HDD interface: maximum 8TB storage capacity or more.
7	Other equipment required	(a)	Smart TV with CCTV viewer
		(b)	LCDs/LEDs for carrying out the tests
8	GPS enabled camera	(a)	Resolution: Minimum 20 megapixels
		(b)	Built-in Wi-Fi and GPS support that allows geo-tagging of images with GPS coordinates.
		(c)	[x x x x]

(7) Characteristics of vehicles to be tested shall be as per following table, namely: -

[Table-H]

Sl. No.	Details	3-Wheeler		Quadricycle		4-Wheeler (M1, N1)		4-Wheeler LCV (M2, N2)	
		Min	Max	Min	Max	Min	Max	Min	Max
1.	Front Axle wt (kg)	90	260	215	215	420	1285	1045	4150
2.	Rear Axle wt kg	205	780	308	308	315	1395	810	7840
3.	Kerb wt kg	203	800	474	474	730	2625	1210	5440
4.	GVW kg	610	2150	823	823	935	3490	1960	11990
5.	Wheelbase mm	1590	3070	1925	1925	2050	3264	2100	4500
6.	Wheel Track mm Front	-	-	1143	1143	1300	1690	1310	2022
7.	Wheel Track mm Rear	1150	1540	1143	1143	1315	1705	1343	1814
8.	Length mm	2080	2510	2752	2752	1402	5226	3790	7965
9.	Width mm	1100	1520	1312	1312	1495	2173	1500	2470
10.	Height mm	1635	2070	1652	1652	1297	2750	1890	3410

11.	Overhang Front mm	-	-	387	387	464	1297	760	2280
12.	Overhang Rear mm	443	790	440	440	405	1375	710	2385
13.	Ground clearance mm	150	255	158	158	89	220	150	375
14.	TCD m	-	-	6.96	6.96	8.33	12.6	8.5	19.7
15.	TCCD m	-	-	7.32	7.32	7.95	13.5	9.8	21.2

1. The equipment used at an automated testing station shall be capable of measuring maximum safe axle weight as notified under section 58 of the Act. : Rule 190 inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021). [Download GSR 652(E)]
2. [Table-F] : Table-F substituted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]
3. and Light Motor Vehicles : Inserted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]
4. GPS enabled camera : Inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f. 31/10/2022). [Download GSR 797(E)]
5. Built-in Wi-Fi and GPS support that allows geo-tagging of images with GPS coordinates. : Substituted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]
6. [x x x x] : Omitted by GSR 195(E) Dtd. 14/03/2024 (w.e.f 14/03/2024). [Download GSR 195(E)]

FORMS ~ Under Central Motor Vehicles Rules, 1989.

Form 1 ~ [x x x x] Omitted.

[Form 1](#) - Application cum Declaration as to physical fitness.

1. Form 1 : Form 1 omitted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021).
[Download GSR 240(E)]

Form 1A ~ Medical Certificate.

[Form 1A](#) - Medical Certificate.

[Download Form 1A](#)

1. Form 1A : Form 1A substituted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021) [Download GSR 240(E)]

Form 2 ~ Application for Learners / Driving Licence.

Form 2 - Application for Learner's Licence/ Driving Licence/ Addition of a New Class of Vehicle/ Renewal of Driving Licence/ Change of Address Or Name.

[Download Form 2](#)

Form 3 ~ Learners Licence.

Form 3 - Learner's License.

[Download Form 3](#)

Form 4 ~ [x x x x] Omitted.

[Form 4](#) - Application For License To Drive A Motor Vehicle.

1. Form 4 : Form 4 omitted by G.S.R. 243(E), dated 20/03/2018 (w.e.f. 01/04/2018)

Form 4A ~ Application for IDP.

[Form 4A](#) - Application for issue of international driving permit to drive a motor vehicle in other countries.

[Download Form 4A](#)

1. Form 4A : Form 4A inserted by G.S.R. 720(E), dated 10/09/2003 (w.e.f. 11/10/2003)

Form 5 ~ Driving Certificate by Driving school.

Form 5 - Driving Certificate Issued By Driving School Or Establishment.

[Download Form 5](#)

Form 5A ~ Certificate of Fuel efficient driving training.

[Form 5A](#) - Certificate Of Fuel Efficient Driving Training Issued By Driving School Or Establishment.

[Download Form 5A](#)

1. Form 5A : Form 5A inserted by G.S.R. 454(E), dated 15/05/2018 (w.e.f. 15/05/2018)

Form 5B ~ Driving Certificate issued by Accredited Driving Training Center.

[Form 5B](#) - Driving Certificate issued by Accredited Driving Training Center.

[Download Form 5B](#)

1. Form 5B : Form 5B inserted by G.S.R. 394(E), dated 07/06/2021 (w.e.f. 01/07/2021)

Form 6 ~ - Form 6 - [x x x x] Omitted.

[Form 6](#) - Form Of Driving License.

1. Form 6 : Form 6 omitted by G.S.R. 174(E), dated 01/03/2019 (w.e.f. 01/10/2019)

Form 6A ~ International Driving Permit.

[Form 6A](#) - REPUBLIC OF INDIA. International Motor Traffic / International driving permit.

[Download Form 6A](#)

1. Form 6A : Form 6A inserted by G.S.R. 720(E), dated 10/09/2003 (w.e.f. 10/09/2003)

Form 7 ~ Form of Driving Licence.

[Form 7](#) - Form for driving licence (Laminated card without chip or smart card) Visual inspection zone.

[Download Form 7](#)

1. Form 7 : Form 7 substituted by G.S.R. 174(E), dated 01/03/2019 (w.e.f. 01/10/2019)

Form 8 ~ Application for Permanent Surrender of Class from DL.

[Form 8](#) - Form of Application for Permanent Surrender of Class or Classes of Vehicles from Driving License.

[Download Form 8](#)

1. Form 8 : Form 8 substituted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 9 ~ [x x x x] Omitted.

[Form 9](#) - Form Of Application For The Renewal Of Driving License.

1. Form 9 : Form 9 omitted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 10 ~ State Register of DL.

Form 10 - State Register Of Driving License.

[Download Form 10](#)

Form 10A ~ National Register of DL.

[Form 10A](#) - Form of National Register of Driving Licenses.

[Download Form 10A](#)

1. Form 10A : Form 10A inserted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 11 ~ Licence for the establishment of a Motor Driving School.

Form 11 - Form Of License For The Establishment Of A Motor Driving School.

[Download Form 11](#)

Form 11A ~ Accreditation for Driver Training Center.

[Form 11A](#) - Accreditation for Driver Training Center.

[Download Form 11A](#)

1. Form 11A : Form 11A inserted by G.S.R. 394(E), dated 07/06/2021 (w.e.f. 01/07/2021)

Form 12 ~ Application for licence of driving school establishments.

Form 12 - Form of application for a licence to engage in the business of imparting instructions in driving of Motor Vehicles.

[Download Form 12](#)

Form 12A ~ Application for Accreditation of Driver Training Center.

[Form 12A](#) - Application for Accreditation of Driver Training Center.

[Download Form 12A](#)

1. Form 12A : Form 12A inserted by G.S.R. 394(E), dated 07/06/2021 (w.e.f. 01/07/2021)

Form 13 ~ Application for renewing licence of driving school establishments.

Form 13 - Form Of Application For Renewing A License To Engage In The Business Of Imparting Instructions In Driving Of Motor Vehicles.

[Download Form 13](#)

Form 13A ~ Application to Renew Accreditation of Driver Training Center.

[Form 13A](#) - Application to Renew Accreditation of Driver Training Center.

[Download Form 13A](#)

1. Form 13A : Form 13A inserted by G.S.R. 394(E), dated 07/06/2021 (w.e.f. 01/07/2021)

Form 14 ~ Register showing the enrolment of trainee(s) in the driving school establishments.

Form 14 - Register Showing The Enrolment Of Trainee(S) In The Driving School Establishments.

[Download Form 14](#)

Form 15 ~ Register showing the driving hours spent by a trainee.

Form 15 - Register Showing The Driving Hours Spent By A Trainee.

[Download Form 15](#)

Form 16 ~ Application for grant or renewal of Trade Certificate.

Form 16 - Form Of Application For Grant Or Renewal Of Trade Certificate.

[Download Form 16](#)

Form 16A ~ Certificate of authorisation by manufacturer of motor vehicles.

[Form 16A](#) - Certificate of authorisation by manufacturer of motor vehicles.

[Download Form 16A](#)

1. Form 16A : Form 16A inserted by G.S.R. 703(E), dated 14/09/2022 (w.e.f. 01/11/2022)

Form 17 ~ Form of Trade Certificate.

Form 17 - Form Of Trade Certificate.

[Download Form 17](#)

Form 17A ~ Application for grant of additional trade registration marks.

[Form 17A](#) - Application for grant of additional trade registration marks.

[Download Form 17A](#)

1. Form 17A : Form 17A inserted by G.S.R. 703(E), dated 14/09/2022 (w.e.f. 01/11/2022)

Form 17B ~ Grant of additional trade registration marks.

[Form 17B](#) - Grant of additional trade registration marks.

[Download Form 17B](#)

1. Form 17B : Form 17B inserted by G.S.R. 703(E), dated 14/09/2022 (w.e.f. 01/11/2022)

Form 17C ~ Intimation for change of address of place of business.

[Form 17C](#) - Intimation for change of address of place of business.

[Download Form 17C](#)

1. Form 17C : Form 17C inserted by G.S.R. 703(E), dated 14/09/2022 (w.e.f. 01/11/2022)

Form 18 ~ Intimation of loss or destruction of a Trade Certificate and application for duplicate.

Form 18 - Intimation of loss or destruction of a trade certificate and application for duplicate.

[Download Form 18](#)**Form 19 ~ Register to be maintained by the holder of Trade Certificate.**

Form 19 - Register to be maintained by the holder of trade certificate.

[Download Form 19](#)**Form 19A ~ Digital register of inventory to be maintained on Vahan portal.**

[Form 19A](#) - Digital register of inventory to be maintained on Vahan portal.

[Download Form 19A](#)

1. Form 19A : Form 19A inserted by G.S.R. 703(E), dated 14/09/2022 (w.e.f. 01/11/2022)

Form 20 ~ Application for Registration or Temporary Registration of a Motor Vehicle.

Form 20 - Application for registration [or Temporary Registration](#) of a motor vehicle.

[Download Form 20](#)

1. or Temporary Registration : Inserted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 20B ~ Application for Extension of period of Temporary Registration.

[Form 20B](#) - Application for Extension of period of Temporary Registration.

[Download Form 20B](#)

1. Form 20B : Form 20B inserted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 21 ~ Sale Certificate.

Form 21 - Sale certificate

[Download Form 21](#)

Form 22 ~ Road Worthiness Certificate.

[Form 22](#) - Road Worthiness Certificate For Compliance to Emission and Noise Standards.

[Download Form 22](#)

1. Form 22 : Substituted by G.S.R. 628(E), dated 12/10/2020 (w.e.f. 6 weeks from 12/10/2020)

Form 22A ~ Certificate of compliance & Roadworthiness (for vehicles where body is fabricated separately).

[Form 22A](#) - Certificate of compliance with Pollution Standards/Safety Standards of components and Roadworthiness (for vehicles where body is fabricated separately).

[Download Form 22A](#)

1. Form 22A : Substituted by G.S.R. 784(E), dated 12/11/2008 (w.e.f. 6 weeks from 01/04/2009)

Form 22B ~ Certificate of compliance of the bus body built on drive away chassis.

[Form 22B](#) - Certificate of compliance of the bus body built on drive away chassis.

[Download Form 22B](#)

1. Form 22B : Omitted by GSR 159(E) dtd. 06/03/2024 (w.e.f 01/09/2025) which was inserted by G.S.R. 368(E), dated 13/04/2018 (w.e.f. 6 weeks from 13/04/2018)

Form 22C ~ Request and Permission for Alteration/ Retrofitment/ Adaptation.

[Form 22C](#) - Request and Permission for Alteration/Retrofitment/Adaptation.

[Download Form 22C](#)

1. Form 22C : Inserted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 22D ~ Endorsement of Alteration/ Retrofitment.

[Form 22D](#) - Endorsement of Alteration/Retrofitment.

[Download Form 22D](#)

1. Form 22D : Inserted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 22E ~ Request for Endorsement of Adaptation.

[Form 22E](#) - Request for Endorsement of Adaptation.

[Download Form 22E](#)

1. Form 22E : Inserted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 22F ~ Compliance Report for Alternation/ Retrofitment.

[Form 22F](#) - Compliance Report for Alternation/ Retrofitment.

[Download Form 22F](#)

1. Form 22F : Inserted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 22G ~ Compliance Report for Adaptation of Motor Vehicle.

[Form 22G](#) - Compliance Report for Adaptation of Motor Vehicle.

[Download Form 22G](#)

1. Form 22G : Inserted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 23 ~ [x x x x] Omitted.

[Form 23 - Certificate of registration](#)

1. Form 23 - Certificate of registration : Form 23 omitted by G.S.R. 174(E), dated 01/03/2019 (w.e.f. 01/10/2019)

Form 23A ~ Certificate of Registration in laminated or smart card.

[Form 23A](#) - Certificate of registration (Laminated card without chip or smart card) Visual inspection zone.

[Download Form 23A](#)

1. Form 23A : Form 23A substituted by G.S.R. 174(E), dated 01/03/2019 (w.e.f. 01/10/2019)

Form 23B ~ Temporary Certificate of Registration.

[Form 23B](#) - Temporary Certificate of Registration.

[Download Form 23B](#)

1. Form 23B : Inserted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 24 ~ National Register of Motor Vehicles.

[Form 24](#) - Register of Motor Vehicle/ National Register of Motor Vehicles.

[Download Form 24](#)

1. Form 24 : Substituted by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 25 ~ Application for renewal of Certificate of Registration.

Form 25 - Form of application for renewal of certificate of registration of a motor vehicle, [\[x x x\]](#)

[Download Form 25](#)

1. [x x x] : Omitted the words "other than a transport vehicle" by G.S.R. 240(E), dated 31/03/2021 (w.e.f. 01/04/2021)

Form 26 ~ Application for duplicate Certificate of Registration.

[Form 26](#) - Application for the issue of duplicate certificate of registration.

[Download Form 26](#)

1. Form 26 : Substituted by G.S.R. 338(E), dated 26/03/1993 (w.e.f. 26/03/1993)

Form 27 ~ Application for assignment of new Registration mark to a motor vehicle.

[Form 27](#) - Application for assignment of new Registration mark to a motor vehicle.

[Download Form 27](#)

1. Form 27 : Substituted by G.S.R. 338(E), dated 26/03/1993 (w.e.f. 26/03/1993)

Form 27A ~ Application for assignment of new Registration mark in BH-Series.

[Form 27A](#) - Application for assignment of new Registration mark in BH-Series.

[Download Form 20B](#)

1. Form 27A : Substituted by G.S.R. 879(E), dated 14/12/2022 (w.e.f. 14/12/2022)

Form 28 ~ Application and grant of No Objection Certificate.

[Form 28](#) - Application and grant of No Objection Certificate.

[Download Form 28](#)

1. Form 28 : Substituted by G.S.R. 338(E), dated 26/03/1993 (w.e.f. 26/03/1993)

Form 29 ~ Notice of Transfer of Ownership of a Motor Vehicle.

[Form 29](#) - Notice of Transfer of Ownership of a Motor Vehicle.

[Download Form 29](#)

1. Form 29 : Substituted by G.S.R. 338(E), dated 26/03/1993 (w.e.f. 26/03/1993)

Form 29A ~ Application for grant or renewal of authorisation certificate.

[Form 29A](#) - Application for grant or renewal of authorisation certificate.

[Download Form 29A](#)

1. Form 29A : Inserted by G.S.R. 901(E), dated 22/12/2022 (w.e.f. 01/04/2023)

Form 29B ~ Authorisation certificate.

[Form 29B](#) - Authorisation certificate.

[Download Form 29B](#)

1. Form 29B : Inserted by G.S.R. 901(E), dated 22/12/2022 (w.e.f. 01/04/2023)

Form 29C ~ Intimation to the registering authority, about the fact of delivery of vehicle to authorised dealer of registered vehicles.

[Form 29C](#) - Intimation to the registering authority, about the fact of delivery of vehicle to authorised dealer of registered vehicles.

[Download Form 29C](#)

1. Form 29C : Inserted by G.S.R. 901(E), dated 22/12/2022 (w.e.f. 01/04/2023)

Form 29D ~ Intimation to the registering authority, about taking back of vehicles from authorised dealer of registered vehicles.

[Form 29D](#) - Intimation to the registering authority, about taking back of vehicles from authorised dealer of registered vehicles.

[Download Form 29D](#)

1. Form 29D : Inserted by G.S.R. 901(E), dated 22/12/2022 (w.e.f. 01/04/2023)

Form 29E ~ Digital Register of Inventory to be maintained on Vahan portal.

[Form 29E](#) - Digital Register of Inventory to be maintained on Vahan portal.

[Download Form 29E](#)

1. Form 29E : Inserted by G.S.R. 901(E), dated 22/12/2022 (w.e.f. 01/04/2023)

Form 29F ~ Electronic vehicle trip register.

[Form 29F](#) - Electronic vehicle trip register.

[Download Form 29F](#)

1. Form 29F : Inserted by G.S.R. 901(E), dated 22/12/2022 (w.e.f. 01/04/2023)

Form 30 ~ Application for Intimation and Transfer of Ownership of a Motor Vehicle.

[Form 30](#) - Application for Intimation and Transfer of Ownership of a Motor Vehicle.

[Download Form 30](#)

1. Form 30 : Substituted by G.S.R. 338(E), dated 26/03/1993 (w.e.f. 26/03/1993)

Form 31 ~ Application for transfer of ownership in the name of the person nominated/succeeding to the possession of vehicle.

[Form 31](#) - Application for transfer of ownership in the name of the person nominated/succeeding to the possession of vehicle.

[Download Form 31](#)

1. Form 31 : Substituted by G.S.R. 277(E), dated 08/04/2021 (w.e.f. 16/04/2021)

Form 32 ~ Application for transfer of ownership in case of a motor vehicle purchased or acquired in public auction.

Form 32 - Application for transfer of ownership in case of a motor vehicle purchased or acquired in public auction.

[Download Form 32](#)

Form 33 ~ Intimation of change of Address for recording in the Certificate of Registration and office records.

[Form 33](#) - Intimation of change of Address for recording in the Certificate of Registration and office records.

[Download Form 33](#)

1. Form 33 : Substituted by G.S.R. 338(E), dated 26/03/1993 (w.e.f. 26/03/1993)

Form 34 ~ Application for Hypothecation subsequent to registration.

[Form 34](#) - Application for making an entry of an agreement of Hire-Purchase/Lease/Hypothecation subsequent to registration.

[Download Form 34](#)

1. Form 34 : Substituted by G.S.R. 338(E), dated 26/03/1993 (w.e.f. 26/03/1993)

Form 35 ~ Notice of termination of an agreement of Hire-Purchase/Lease/Hypothecation.

[Form 35](#) - Notice of termination of an agreement of Hire-Purchase/ Lease/ Hypothecation.

[Download Form 35](#)

1. Form 35 : Substituted by G.S.R. 338(E), dated 26/03/1993 (w.e.f. 26/03/1993)

Form 36 ~ Application for fresh RC.

Form 36 - Application for issue of a fresh Certificate of Registration in the name of the Financier.

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Form 37 ~ Notice to the Registered Owner to surrender RC for cancellation and issue of fresh RC.

[Form 37](#) - Notice to the Registered Owner of the Motor Vehicle to surrender the Certificate of Registration for cancellation and issue of fresh Registration Certificate in the name of the Financier.

[Download Form 37](#)

1. Form 37 : Substituted by G.S.R. 338(E), dated 26/03/1993 (w.e.f. 26/03/1993)

Form 38 ~ Certificate of fitness.

Form 38 - Certificate of fitness (applicable in the case of transport vehicles only).

[Download Form 38](#)

Form 38A ~ Inspection report by an officer other than an officer from registering authority.

[Form 38A](#) - Report of inspection conducted on a transport vehicle by an Inspecting Officer or authorised testing station, other than the Inspecting Officer in the office of the registering authority.

[Download Form 38A](#)

1. Form 38A : Inserted by G.S.R. 1096(E), dated 28/11/2016 (w.e.f. 28/11/2016)

Form 39 ~ Form of Letter of Authority issued to an authorised testing station.

Form 39 - Form of Letter of Authority issued to an authorised testing station

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Form 40 ~ Application Form for grant or renewal of Letter of Authority.

Form 40 - Application Form for grant or renewal of Letter of Authority.

[Download Form 40](#)

Form 41 ~ State Register of Motor Vehicles.

Form 41 - State Register of Motor Vehicles.

[Download Form 41](#)

Form 42 ~ Application for Registration of motor vehicle by or on behalf of a Diplomatic/Consular Officer.

Form 42 - Form of application for the Registration of motor vehicle by or on behalf of a Diplomatic/Consular Officer.

[Download Form 42](#)

Form 43 ~ RC of motor vehicle belonging to a Diplomatic or Consular Officer.

Form 43 - Certificate of Registration of a motor vehicle belonging to a Diplomatic or Consular Officer.

[Download Form 43](#)

Form 44 ~ Intimation of change of State, of residence and application for assignment of fresh registration mark by or on behalf of a Diplomatic or Consular Officer.

Form 44 - Intimation of change of State, of residence and application for assignment of fresh registration mark by or on behalf of a Diplomatic or Consular Officer.

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Form 45 ~ Application for grant of Permit in respect of Tourist Vehicle.

Form 45 - Application for grant of Permit in respect of Tourist Vehicle.

[Download Form 45](#)

Form 46 ~ Application for grant of authorisation for tourist/ national permit.

Form 46 - Form of application for grant of authorisation for tourist permit or national permit.

[Download Form 46](#)

Form 47 ~ Authorisation for Tourist Permit or National Permit.

Form 47 - AUTHORISATION - For Tourist Permit or National Permit.

[Download Form 47](#)

Form 48 ~ Application for the grant of National Permit.

Form 48 - Application for the grant of National Permit.

[Download Form 48](#)

Form 49 ~ [x x x x] Omitted.

[Form 49](#)

1. Form 49 : Form 49 omitted by G.S.R. 338(E), dated 26/03/1993 (w.e.f. 26/03/1993)

Form 50 ~ Bill of Lading.

Form 50 - Bill of Lading.

[Download Form 50](#)

Form 50A ~ Form to be submitted by Investigating Officer to manufacturer.

[Form 50A](#) - Form to be submitted by Investigating Officer to vehicle manufacturer or component manufacturer or importer or retrofitter, as the case may be of a motor vehicle or component.

[Download Form 50A](#)

1. Form 50A : Inserted by G.S.R. 173(E), dated 11/03/2021 (w.e.f. 01/04/2021)

Form 50B ~ Investigation report from testing agency.

[Form 50B](#) - Form to be submitted by Testing Agency to the Investigation Officer.

[Download Form 50B](#)

1. Form 50B : Inserted by G.S.R. 173(E), dated 11/03/2021 (w.e.f. 01/04/2021)

Form 50C ~ Investigation report from investigating officer.

[Form 50C](#) - Form to be submitted by Investigation Officer to the Central Government.

[Download Form 50C](#)

1. Form 50C : Inserted by G.S.R. 173(E), dated 11/03/2021 (w.e.f. 01/04/2021)

Form 51 ~ Certificate of Insurance.

Form 51 - Certificate of Insurance.

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Form 52 ~ Cover Note.

Form 52 - Cover Note.

[Download Form 52](#)

Form 53 ~ Exemption certificate from Insurance.

Form 53 - Certificate in respect of exemption of Motor Vehicle from Insurance.

[Download Form 53](#)

Form 54 ~ Accident Information Report.

Form 54 - Accident Information Report.

[Download Form 54](#)

Form 55 ~ Application for the approval of a Foreign Insurer.

Form 55 - Application for the approval of a Foreign Insurer.

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Form 56 ~ Notice to cease to act as guarantor.

Form 56 - Notice to cease to act as guarantor.

[Download Form 56](#)

Form 57 ~ Certificate for Foreign Insurance.

Form 57 - Certificate for Foreign Insurance.

[Download Form 57](#)

Form 58 ~ Endorsement on Certificate of Foreign Insurance.

Form 58 -Endorsement on Certificate of Foreign Insurance.

[Download Form 58](#)

Form 59 ~ Pollution Under Control Certificate.

[Form 59](#) - Pollution Under Control Certificate.

[Download Form 59](#)

1. Form 59 : Inserted by G.S.R. 410(E), dated 14/06/2021 (w.e.f. 15/06/2021)

Form 59A ~ Pollution Under Control Rejection slip.

[Form 59A](#) - Pollution Under Control Rejection slip.

[Download Form 59A](#)

1. Form 59A : Inserted by G.S.R. 410(E), dated 14/06/2021 (w.e.f. 15/06/2021)

Form 60 ~ Working Certificate.

[Form 60](#) - Working Certificate.

[Download Form 60](#)

1. Form 60 : Inserted by G.S.R. 594(E), dated 26/08/2021 (w.e.f. 15/09/2021)

**Form 61 ~ Form of preliminary registration certificate issued to an
Automated Testing Station.**

[Form 61](#) - Form of preliminary registration certificate issued to an Automated Testing Station.

[Download Form 61](#)

1. Form 61 : Inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021)

**Form 62 ~ Form of registration certificate to be issued or renewed to an
ATS.**

[Form 62](#) - Form of registration certificate to be issued or renewed to an Automated Testing Station.

[Download Form 62](#)

1. Form 62 : Inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021)

**Form 63 ~ Application form for grant of preliminary registration certificate
for ATS.**

[Form 63](#) - Application form for grant of preliminary registration certificate for Automated Testing Station.

[Download Form 63](#)

1. Form 63 : Substituted by GSR 195(E) dtd. 14/03/2024 which was inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021)

**Form 64 ~ Application form for grant or renewal of registration certificate
for ATS.**

[Form 64](#) - Application form for grant or renewal of registration certificate for Automated Testing Station.

[Download Form 64](#)

1. Form 64 : Substituted by GSR 195(E) dtd. 14/03/2024 which was inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021)

Form 65 ~ Application form for duplicate preliminary/ registration certificate for ATS.

[Form 65](#) - Application form for issue of duplicate preliminary registration certificate/ registration certificate for Automated Testing Station.

[Download Form 65](#)

1. Form 65 : Inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021)

Form 66 ~ Pre- Commissioning Form for audit and assessment of an ATS.

[Form 66](#) - Pre- Commissioning Form for audit and assessment report of an Automated Testing Station.

[Download Form 66](#)

1. Form 66 : Inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021)

Form 67 ~ Form for audit and assessment of an ATS during operations.

[Form 67](#) - Form for audit and assessment report of an Automated Testing Station during operations.

[Download Form 67](#)

1. Form 67 : Inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021)

Form 68 ~ [x x x x] Omitted.

[Form 68](#) - Application form for appeal against test result.

[Download Form 68](#)

1. Form 68 : Omitted by GSR 195(E) dtd. 14/03/2024 which was inserted by GSR 652(E) Dtd. 23/09/2021 (w.e.f 25/09/2021)

Form 69 ~ Form for Vehicle test report.

[Form 69](#) - Form for Vehicle test report.

[Download Form 69](#)

1. Form 69 : Substituted by GSR 195(E) dtd. 14/03/2024 which was inserted by GSR 797(E) Dtd. 31/10/2022 (w.e.f 31/10/2022)

Form 70A ~ Form for application for star rating to be submitted by the manufacturer or importer of the vehicle to the designated agency.

[Form 70A](#) - Form for application for star rating to be submitted by the manufacturer or importer of the vehicle to the designated agency.

[Download Form 70A](#)

1. Form 70A : Inserted by SO 698(E) Dtd. 27/09/2023 (w.e.f 27/09/2023)

Form 70B ~ Form for assessment report to be submitted by the testing agency to the designated agency.

[Form 70B](#) - Form for assessment report to be submitted by the testing agency to the designated agency.

[Download Form 70B](#)

1. Form 70B : Inserted by SO 698(E) Dtd. 27/09/2023 (w.e.f 27/09/2023)

ANNEXURES ~ Under Central Motor Vehicle Rules, 1989.

Annexure I ~ Mass emission standards for petrol driven vehicles.

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Annexure III ~ Reference fuel for type and production conformity tests.

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**Annexure IV-E ~ Driving cycles and cold start for four-wheeled vehicles:
as described in (a), (b) and (c).**

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approval tests and to verify conformity of production.**

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**Annexure IV-G ~ Technical characteristic of reference fuel prescribed for
approval tests and to verify conformity of production.**

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Annexure IV-N ~ Specification of commercial gasoline fuel.

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Annexure IV-W ~ Technical Specification of Reference Hydrogen Fuel for BS-VI vehicles.

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Annexure IV-XA ~ Technical specification for Reference Gasoline fuel (E10).

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Annexure IV-Y ~ Technical specifications of the reference fuel M15.

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Annexure Forms

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Form - II ~ Rights of victim(s) of road accident and flow chart of the scheme mentioned below.

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Form - VII ~ Detailed accident report (DAR).

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Form - VIII ~ Site plan.[Download Form - VIII](#)**Form - IX ~ Mechanical inspection report.**[Download Form - IX](#)**Form - X ~ Verification report.**[Download Form - X](#)**Form - XI ~ Insurance form.**[Download Form - XI](#)**Form - XII ~ Victim impact report.**[Download Form - XII](#)**Form - XIII ~ Before the motor accident claims tribunal.**[Download Form - XIII](#)**Form - XIV ~ Before the motor accident claims tribunal.**[Download Form - XIV](#)**Form - XV ~ Summary of computation of award amount in death cases to be incorporated in the award.**[Download Form - XV](#)**Form - XVI ~ Summary of the computation of award amount in injury cases to be incorporated in the award.**[Download Form - XVI](#)**Form - XVII ~ Compliance of the provisions of the scheme to be mentioned in the award.**

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Form - XVIII ~ Format of record of awards to be maintained by the claims tribunal.

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Form - XIX ~ Motor accident claims annuity deposit (MACAD) scheme

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