

NATIONAL ROAD TRAFFIC REGULATIONS, 2000

Regs 224-226

224 Overall height of vehicle and load

No person shall operate on a public road a motor vehicle together with any load thereon, the overall height of which—

- (a) in the case of a double-deck bus exceeds four comma six five metres; and
- (b) in the case of any other motor vehicle exceeds four comma three metres.

225 Turning radius and wheelbase

No person shall operate on a public road a vehicle—

- (a) the maximum turning radius of which exceeds 13.1 metres: Provided that in the case of a bus-train and a twin steer 4 axle rigid goods vehicle, the turning radius exceeds 17.5 metres; and
[Para (a) substituted by GN R1341 of 2003 wef 25 September 2003.]
- (b) the wheelbase of which exceeds, in the case of—
 - (i) a semi-trailer, 10 metres;
[Subpara (i) substituted by GN R1341 of 2003 wef 25 September 2003.]
 - (ii) a bus-train, 15 metres; or
 - (iii) any other vehicle, eight and a half metres.

226 Overhang of vehicle

(1) No person shall operate on a public road—

- (a) a semi-trailer, the front overhang of which exceeds one comma eight metres; or
 - (b) a vehicle, other than a semi-trailer or a trailer with one axle or one axle unit, the front overhang of which exceeds—
 - (i) 60 percent of the wheelbase;
[Subpara (i) amended by GenN 2116 of 2001 wef 5 October 2001.]
 - (ii) six comma two metres in the case of a vehicle having the front surface of the back rest of the driving seat at seat level not more than one comma seven metres from the front end of the vehicle when such seat, if adjustable, is in the rearmost position, less half the wheelbase: Provided that the wheelbase of a bus-train shall be the distance measured from the centre of the front axle to the centre of the middle axle; or
 - (iii) five comma eight metres in the case of any other vehicle, less half the wheelbase.
- (2) No person shall operate on a public road—
- (a) a vehicle designed or adapted for use in connection with street cleaning or the disposal of refuse or sewage, or any vehicle referred to in regulations 220, 230 or 249, or any bus, or self-propelled caravan, the rear overhang of which exceeds 70 percent of its wheel base;
[Para (a) amended by GenN 2116 of 2001 wef 5 October 2001.]
 - (b) a trailer, other than a semi-trailer, which is equipped with—
 - (i) one axle;
 - (ii) one axle unit; or
 - (iii) two axles, the distance between the centre-lines of which is less than one comma two metres,
 if the rear overhang exceeds 50 percent of the length of the body of such trailer; or
[Para (b) amended by GenN 2116 of 2001 wef 5 October 2001.]

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- (c) any vehicle, not referred to in paragraph (a) or (b), the rear overhang of which exceeds 60 percent of its wheelbase.

[Para (c) amended by GenN 2116 of 2001 wef 5 October 2001.]

227 Projections in case of vehicle other than motor cycle, motor tricycle, motor quadrucycle or pedal cycle

(1) No person shall operate on a public road a vehicle, other than a motor cycle, motor tricycle, motor quadrucycle or pedal cycle—

(a) carrying any goods or fittings which project—

(i) either side of the longitudinal centre-line of the vehicle by more than—

(aa) in the case of a bus contemplated in regulation 223(a) or a goods vehicle contemplated in regulation 223(b), one comma three metres; or

(bb) in the case of any other vehicle, one comma two five metres: Provided that any side mirror or direction indicator on the vehicle shall not be taken into account;

(ii) more than 300 millimetres beyond the front end of the vehicle; or

(iii) more than one comma eight metres beyond the rear end of the vehicle; or

(b) of which—

(i) the front overhang, together with any projection, exceeds the front overhang as provided in regulation 226(1)(b); or

(ii) any bracket projects more than 150 millimetres beyond the widest part of the vehicle.

(2) No person shall operate on a public road a vehicle or combination of vehicles where the combined length of such vehicle or combination of vehicles and any projection exceeds the overall length prescribed in regulation 221 for such vehicle or combination of vehicles.

228 Projections in case of motor cycle, motor tricycle, motor quadrucycle or pedal cycle

No person shall operate on a public road a motor cycle, motor tricycle, motor quadrucycle or pedal cycle if any goods carried thereon, or on any portion or side-car of such cycle, project more than 600 millimetres to the front of the axle centre of the front wheel or more than 900 millimetres to the rear of the axle centre of the rear wheel or more than 450 millimetres on either side of the wheels of such cycle, or more than 300 millimetres to the outside of the wheel of any side-car: Provided that the provisions of this regulation shall not apply in respect of any side mirror or crash bar.

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229 Warning in respect of projecting load

- (1) No person shall operate a vehicle on a public road if the load on such vehicle projects more than 150 millimetres beyond the side thereof, unless—
- (a) during the period between sunset and sunrise and at any other time when, due to insufficient light or unfavourable weather conditions, persons and vehicles upon the public road would not be clearly visible at a distance of 150 metres, the extent of such projection is indicated—
 - (i) by means of either a white retro-reflector or a lamp emitting a white light, fitted at the outer edge of the front of such load; and
 - (ii) by means of either a red retro-reflector or a lamp emitting a red light, fitted at the outer edge of the rear of such load; and
 - (b) during any other period, the extent of such projection is indicated by means of flags of red cloth, not less than 300 millimetres by 300 millimetres, suspended by two adjacent corners thereof transversely to the direction in which the vehicle is travelling, from the front and rear of such projection.
- (2) No person shall operate a vehicle on a public road if the load on such vehicle projects more than 300 millimetres beyond the rear thereof, unless—
- (a) during the period between sunset and sunrise and at any other time when, due to insufficient light or unfavourable weather conditions, persons and vehicles upon the public road would not be clearly visible at a distance of 150 metres—
 - (i) the width of such projection is indicated by means of red retro-reflectors or lamps emitting a red light fitted on the end of such projection: Provided that where the width of any such projection is less than 600 millimetres it shall be sufficient for the purpose of indicating such width to fit one retro-reflector or lamp on the end thereof; and
 - (ii) the length of such projection is indicated by means of yellow retro-reflectors or lamps emitting a yellow light fitted on both sides of such projection at the end thereof; and
 - (b) during any other period, the length of such projection is indicated by means of a red flag or red cloth, not less than 300 millimetres by 300 millimetres, suspended by two adjacent corners thereof transversely to the direction in which the vehicle is travelling, from the end of such projection, and the width of such projection is indicated by means of such flags suspended by two adjacent corners thereof parallel to the direction in which the vehicle is travelling, from both sides of such projection at the end thereof: Provided that where the width of such projection is less than 600 millimetres it shall be sufficient for the purposes of indicating such projection to suspend one such flag from the end thereof.

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(3) For the purposes of this regulation, the light of any lamp shall comply with the provisions of regulation 158(2).

230 Certain vehicles exempt from provisions of this Part

(1) Except for a breakdown vehicle, any vehicle, which is a drilling machine, a mobile crane, a fork lift, a straddle truck, a road making machine, an earthmoving machine, an excavation machine, a construction machine or a loading machine is exempt from the provisions of this Part, except for the provisions of regulations 224 and 226: Provided that—

- (a) no such vehicle shall be operated on the roadway of a public road during the period between sunset and sunrise and at any other time when, due to insufficient light or unfavourable weather conditions, persons and vehicles upon the public road would not be clearly discernible at a distance of 150 metres;
- (b) the overall width of any such vehicle shall not exceed three and a half metres;
- (c) the driver of any such vehicle on the roadway of a public road shall stop such vehicle, and where possible, drive it off the roadway if it be necessary in order to allow other vehicular traffic to pass;
- (d) any such vehicle exceeding the overall length prescribed in regulation 221 or the overall width prescribed in regulation 223 shall display two flags of red cloth not less than 600 millimetres by 600 millimetres, in such manner as to indicate its abnormal length or width and such flags shall be suspended from the vehicle transversely to the direction of travel; and
- (e) no such vehicle, other than a mobile crane which is operated for the purpose of removing any hazard or obstruction on a freeway, shall be operated on a freeway.

(2) Any vehicle, including a tractor, which is not a goods vehicle and which is used solely for *bona fide* agricultural, horticultural, viticultural or pastoral pursuits and when operated on a public road, is exempt from the provisions of this Part, except for the provisions of regulation 224: Provided that—

- (a) no such vehicle shall be operated on the roadway of a public road during the period between sunset and sunrise and at any other time when, due to insufficient light or unfavourable weather conditions, persons and vehicles upon the public road would not be clearly discernible at a distance of 150 metres;
- (b) the driver of any such vehicle on the roadway of a public road shall stop such vehicle and, where possible, drive it off the roadway if it be necessary in order to allow other vehicular traffic to pass;
- (c) where such vehicle—
 - (i) exceeds the overall length prescribed in regulation 221;
 - (ii) encroaches beyond half the width of the roadway except when overtaking other vehicles or crossing bridges; or

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- (iii) is more than two comma six metres but less than three and a half metres wide,
two flags of red cloth shall be displayed not less than 600 millimetres by 600 millimetres in such manner as to indicate its abnormal length or width and such flags shall be suspended from the vehicle transversely to the direction of travel, but the vehicle may be fitted with amber flashing lights in lieu of such flags; and
- (d) the overall width of any such vehicle shall not exceed four and a half metres: Provided further that when the overall width exceeds three and a half metres—
- (i) such vehicle shall not normally encroach beyond half the width of the roadway except when overtaking other vehicles or crossing bridges; and
- (ii) if such vehicle does encroach beyond half the width of the roadway, two escort vehicles with the headlamps switched on and displaying red flags of the size prescribed in paragraph (c) or amber flashing lights shall be provided, one travelling in front and one to the rear of such vehicle;
- (e) no such vehicle shall be operated on a freeway.

Part IV**Loads on vehicles (regs 231-249)****231 Manner in which children to be counted for purposes of regulations**

For the purposes of establishing the number of persons that may in terms of these regulations, other than regulation 263, be carried on any vehicle, other than a motor cycle, motor tricycle, motor quadrucycle or pedal cycle —

- (a) any child under the age of three years shall not be counted;
- (b) two children of three years or over but under the age of six years shall be counted as one person; and
- (c) three children of six years or over but under the age of 13 years shall be counted as two persons;

Provided that in applying the provisions of this regulation, fractions shall be disregarded.

232 Mass of person and luggage for determining maximum load for homologation and testing purposes

For the purpose of establishing the maximum mass of a person and his or her hand luggage which may be conveyed on a motor vehicle for the purpose of determining the seating capacity of such vehicle to homologate a vehicle —

- (a) the mass of a person together with his or her hand luggage shall, be taken as 68 kilograms;
- (b) in the case of a motor vehicle which is fitted with —
- (i) a luggage compartment, the mass of luggage shall be calculated at the rate of 100 kilograms per cubic metre; or
- (ii) a roof rack, the mass of luggage shall be calculated at the rate of 75 kilograms per square metre of area of the roof rack.

[Reg 232 substituted by GN R1341 of 2003 wef 25 September 2003.]