



The Federation of Motor Sports Clubs of India

**2012 FMSCI Technical Regulations
Indian Diesel Touring Car (IDTC)**

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Classification & Definitions, General Prescriptions and Safety Equipment

All matters regarding the above, not specifically covered by these Regulations should be read as per FMSCI 4W Technical Regulations I, II, III and IV -2011.

Article 1 Definition

Large scale series production Diesel touring cars;
UPTO 2000CC with a maximum restrictor size of 34 mm

Article 2 Homologation

Since all vehicles are homologated by ARAI for road use, the FMSCI is willing to accept this form which will be passed on to the Technical Commission who will then help in expediting the homologation process.

Article 3 Number of Seats

The rear seats & the front passenger seat may be removed.

SEATS WITH HEAD RESTS ARE MANDATORY

FIA HOMOLOGATED SEATS ARE RECOMMENDED

THE TECHNICAL DELEGATE IS THE FINAL AUTHORITY ON THE CONDITION AND SAFETY OF THE SEATS USED.

Article 4 Modifications and adjunctions allowed or obligatory

All the modifications which are not allowed by the present Regulations are expressly forbidden.

The only work which may be carried out on the car is that necessary for its normal servicing, or for the replacements of parts worn through use or accident.

The limits of the modifications and fittings allowed are specified hereinafter.

Blue printing of engines is not permitted. All engines must be box stock with absolutely no modifications done on them

The TURBO CHARGEERS / TURBO BOOST REGULATOR shall not be tampered and must remain stock as supplied by the manufacturer. No internal or external devices may be used which can alter / increase boost pressure. No porting or polishing of the turbo chargers internals are permitted.

The cars must be strictly series production models identifiable by the homologation form data and / or ARAI data.

Article 5	Minimum weight
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The minimum weight of all India Diesel Touring Cars will be the cc divided by a constant which is 1.6. This is the real weight of the car WITH DRIVER (without persons or luggage aboard) without tools, jack. All the liquid tanks (lubrication, cooling, braking, heating where applicable) must be at the normal level foreseen by the manufacturer, with the exception of the windscreen wiper, which shall be empty.

Article 6

6.1 Engine

Engine shields made of plastic material, the purpose of which is to hide mechanical components in the engine compartment, may be removed if they have a solely aesthetic function.

The accelerator cable may be replaced or doubled by another one regardless of whether it comes from the manufacturer or not.

The screws and bolts may be changed, provided that the replacements are made from ferrous material.

Cooling system The thermostat is free, as is the control system and the temperature at which the fan cuts in.

Locking system for the radiator cap is free.

A fabricated shield may be incorporated in place of the AC condenser.

Replacement air filter cartridges are accepted in the same way as the original ones. Removal of all elements between Air Filter Box and Resonator is permitted. Any ducting may be added to the front of the entry point of the air filter and must be within the Engine Compartment.

Replacement oil filter cartridges are accepted in the same way as the original ones.

The material of the elastic part of the engine and gearbox mountings is free, but not the number of mountings.

6.2 Transmission

6.2.1 Clutch

Only OE Components permitted.

6.2.2 Gearbox

No modifications permitted.

6.2.3 Differential

No modifications permitted

6.2.4 Half-shafts

Only Original Equipment is permitted.

6.3 Suspension

Shock absorbers

Any shock absorber similar in size and shape to the original shock absorber may be used and only bump and re-bounce adjustment is permitted. speed compensation setting change is not allowed and cockpit adjustable or remote adjustable shocks are not permitted.

The reinforcing of the structural parts of the suspension (with the exception of anti-roll bars) and its anchorage points by the addition of material is allowed.

Springs

Springs AND RIDE HEIGHT IS FREE.

Ground clearance must be such that the bodywork does not touch the ground when two tyres on the same side of the car are deflated

6.4.1 Wheels

The wheels are free, respecting the homologated maximum diameter. One inch oversize width from the homologated maximum width will be permitted provided the entire contour of wheels form within the coach work / body work of the car.

6.4.2 Tyres

Single Make Tyres specified by the organizers.

6.4.3 Spare wheel

The spare wheel shall not be carried in the car even as a ballast.

6.5 Braking system

No modification permitted

6.5.1 Handbrake

Fly-off hand brake is permitted.

6.6 Bodywork

6.6.1 Exterior

A fabricated shield may be incorporated in place of an AC condenser.

Hubcaps must be removed.

6.6.2 Interior

The front passenger seat and the rear seats may be removed and the rear safety belts may be removed.

6.6.2.1 Dashboard

MAY BE REMOVED

6.6.2.2 Doors & Body Panels

OE doors and panels including Fenders, bonnet & boot cannot be replaced by light weight material.

6.6.2.3 Floor

Carpets are free and may thus be removed.

6.6.3 Additional accessories

All those which have no influence on the car's behaviour, for example equipment which improves the aesthetics or comfort of the car interior (lighting, heating, radio, etc.), are allowed without restriction.

In no case may these accessories increase the engine power or influence the steering, transmission, brakes, or roadholding, even in an indirect fashion.

All controls must retain the role laid down for them by the manufacturer. They may be adapted to facilitate their use and accessibility, for example a longer handbrake lever, an additional flange on the brake pedal, etc.

The following is allowed

- 1) Measuring instruments such as speedometers etc. may be installed or replaced, and possibly have different functions. Such installations must not involve any risk.
- 2) The handbrake locking mechanism may be removed in order to obtain instant unlocking (fly-off handbrake).
- 3) The steering wheel is free.

The locking system of the anti-theft steering lock may be rendered inoperative.

- 4) Additional compartments may be added to the glove compartment and additional pockets in the door pads.
- 5) Insulating material may be added to the existing bulkheads to protect the passengers from fire.

6.6.4 Reinforcements

Reinforcement bars may be fitted on the suspension mounting points to the bodyshell or chassis of the same axle, on each side of the car's longitudinal axis, on condition that they are removable and are attached by means of bolts.

6.7 Electrical system

Battery

The make, capacity, and battery cables are free. The tension and the site of the battery must be retained.

Generator

Only OE Alternators are allowed without any modifications.

Headlights

Headlights can be removed. However the opening must be covered with a fibre glass / metal plate and be safely secured.

Fuses may be added to the electrical system.

Article 7 Roll Cages

Cold drawn seamless unalloyed carbon steel tube (Containing a maximum of 0.3% of carbon) with a minimum tensile strength of 350 N/mm².

The minimum dimensions being 45mm X 2.5mm or 50mm X 2mm.

The basic minimum structural requirement as per Drawing 253-3 and FMSCI Regulations 2011.

Article 8 Seat Belts

Minimum required is a four point harness and following the technical drawings regarding mounting points (Article 253 – 42 to 45, 52 and 53 of Appendix J – FIA Regulations)

Article 9 Fire Extinguishers

Fire Extinguishers to be rigidly fastened with a quick release clamp FITTED IN AN EASILY ACCESSIBLE AND A VISIBLE POSITION.

Specifications -as per FMSCI Regulations 2011

Article 10 Side and Rear Windows

The use of transparent or colourless anti shatter film on the side windows is mandatory.

Article 11 Laminated windshield

Laminated windshield is mandatory.

Article 12 Presentability of cars

All cars taking the grid should be presentable in appearance.

Article 13 A/C and Heating

The components relating to the A/C and Heating may be removed.

Article 14 Reinforcement of Aprons (Front)

It is permitted to add a member between the front aprons above the front cross member (the front jacking point) provided it is removable and mounted only by means of bolt & nuts.

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