



The Federation of Motor Sports Clubs of India

2021

Specific Technical Regulation

For

INRC-3

Rallying



Please Note- Changes for the 2021 Technical Regulations below are in **Bold, Italic and Underlined.**

2021 Specific Technical Regulations for INRC – 3 – Rallying

The following Articles of 2021 FMSCI Appendix J- RALLYING are applicable

Art.251 – Classification and Definitions

Art.252 – General Prescriptions for Production Cars (Group N), Touring Cars (Group A)

Art.253 – Safety Equipment (Groups N, A)

Art.254 – Specific Regulations for Production Cars (Group N)

Changes to the above Articles specific to 2021 Rallying are reproduced below:

It is permitted to use after-market replacement parts as long as such parts are in conformity with the homologated parts (including of Optional Variants in Group N) in ALL ASPECTS except the brand name. Such parts should have no additional function/s relative to the original parts.

Eligible cars

Only vehicles with Homologation / TDF (Technical Data Form) are **allowed UPTO 2050 NA.**

1) Art.6.1 : Engine

a) Carburettors / MPFI

Air filters – Free

All components up stream of the carburettor or the throttle body are free.

The ECU AND THE WIRING IS FREE. Addition of sensors is not permitted.

Reboring is permitted up to 0.5 mm oversize

Engine mounts free, not the numbers, and mounting point on the monocoque to remain as OE

b) Exhaust

Free. (Exhaust manifold to the exit is free.) However the Exhaust ports in the cylinder head should remain as provided by the manufacturer **and there should be at least one muffler present in the system**

The location of the exit of the exhaust pipe is as per Homologation/TDF.

The exhaust system must not be provisional

Exhaust gases may only exit at the end of the system

These liberties must not entail any bodywork modifications and must respect the Indian Motor Vehicle Act.

2) Art.6.2.1 : Clutch

The disc is free, including the weight, with the exception of the number of plates.

The diameter of the clutch disc IS FREE

3) Art.6.2.2 : Gear Box

Gearbox-as per Homologation / TDF.

4) Art.6.2.3: Differential

The use of a mechanical type limited slip differential is authorized, provided that it can be fitted in the series housing.

5) Art.6.3 : Suspension

- 1.1)** Strengthening of knuckles and lower arms with addition of material with or without creating hollow section is allowed.

Suspension Top mount mounting on the chassis is free but point of articulation remains the same.

1.2) Shock Absorber

- a) For rallies taking place in India, a silent block may be replaced by a Uniball joint even if the shock absorber has a guiding function.
- b) Front suspension top mounting fitting of uniball joint is permitted and modifications required in the strut tower to accommodate the uniball joint may be allowed.
- c) To facilitate fitment of larger dimensioned top mounts of the rear shock absorber, enlarging central bore of the top plate in the chassis is permitted as long as the mounting points remain unchanged. Minor machining to the lower arm to accommodate gas hose of the rear shock absorber canister is also permitted.

1.3) Ride Height

For asphalt rallies only, the ride height of the car may be reduced by a maximum of 25mm from the homologated ride height of the car.

6) Art.6.4.1 : Wheels

Wheel size 1 inch more in width is permitted and 1 inch more rim diameter than the homologated size is permitted

7) Art.6.5 : Braking System

If the anti-lock braking system (ABS) is disconnected or removed, the use of a mechanical rear braking distributor is authorized.

AFTER MARKET BRAKE ROTORS ARE ALLOWED EVEN IF THEY ARE SLOTTED OR DRILLED SO LONG AS THEIR DIMENSIONS ARE THE SAME AS THE HOMOLOGATED SIZE

In the case of a car fitted with servo-assisted brakes, this device may be disconnected or replaced.

8) Art.6.5.1 : Handbrake

- The mechanical handbrake may be replaced with a hydraulic system but in this case a diagonal brake circuit (X shape) or the original system is mandatory. Dual rear handbrake(standard one and Hydraulic system)is permitted

It is permitted to modify the position of the hydraulic handbrake system, provided that it remains on the central tunnel.

9) Art.6.7 Bodywork

Strengthening of chassis is permitted by suitable welding process ; collateral addition of material deposit in the process of welding is allowed.

10) Art.6.7 Exterior

It is permitted to relocate the windshield washer water container within the space under the bonnet . The water container can be from any car manufactured in India.

11) Art.6.7.2.6 Heating System/ AC system

- a) Read as: The original heating equipment may be retained.
- b) Using of a shorter drive belt after removal of a/c compressor is permitted.
- c) Removal of the complete AC/heating system is permitted, however **if** the engine pulley is a single unit which drives the AC as well as other components, it must be retained **as OE**

12) Art.9 : Fuel Combustive

Fuel Free

13) In addition, the following are permitted

- a) Dashboard must remain but all accessories including glove box, centre console can be removed.
- b) All plastic claddings inside the passenger compartment can be removed.
- c) **ONLY FIA HOMOLOGATED HELMETS,SUITS,SHOES,SOCKS AND INNERWEAR ARE PERMITTED *Or as per the latest safety regulation of the FMSCI.***

Radiator and its mounts free. However its original location must be retained

14-Additional modifications permitted.

- **It is permitted to replace the OE Bumpers with Fibre glass replicas, provided the shape is identical to the OE component.**
- **It is permitted to replace the OE door rear view mirrors with any aftermarket mirrors, so long as the Rear view visibility is equal to or more than the OE mirrors.**
- **The Frame/Cowl which houses the radiator assembly, if made of plastic, may be made/repared/strengthened with metal, so long as the original position of the components, it houses remains the same as provided by the manufacturer. Any change in position is permitted if a specific regulation allows it.**
- **BUMPERS /GRILLS/HEADLIGHTS AND FENDER INNER LININGS MAY BE INTERCHANGED WITH DIFFERENT MODELS OF THE SAME CAR.**
- **COOLING DUCTS/VENTS ARE PERMITTED WITHIN THE BUMPER AND ON THE BONNET TO ENABLE COOLING/VENTING OF THE ENGINE COMPARTMENT AND BRAKES**

Note: Other than the modifications permitted expressly above should follow 2020 Group N Technical Regulations FMSCI. Art 254

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