

**2019**  
**Specific Technical Regulation**  
**For**  
**INRC-2**  
**(Rallying)**

Member of

Federation Internationale de l'  
Automobile

Federation Internationale de  
Motocyclisme

**The Following Articles of 2019 FMSCI Appendix J- RALLYING are applicable**

**Article.251 – Classification and Definitions**

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

**Article.253 – Safety Equipment (Groups N,A)**

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

**All modifications permitted in this Group will be in addition to the modifications permitted in INRC -3 regulations**

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 functions relative to the original parts.

**Series Part (SP)**

### **Eligible vehicles**

Series production Indian vehicles sold on or after 01/01/2010 in India.

For E.g. Mithubishi Cedia was sold from 2006 to 2011 so it is eligible for this class.

Only vehicles with Homologation / TDF (Technical Data Form) are allowed.

#### **1.1 Engine**

Re boring of 0.5mm maximum is allowed in relation to the original bore without this leading to the capacity class limit being exceeded.

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

#### **2.1 Piston**

Free

The distance between Gudgeon Pin centre to Top of the Piston should remain as per Homologation / TDF.

Forged Piston allowed.

Minimum weight of the piston remains as per Homologation / TDF.

#### **3.1 Compression Ratio**

#### **4.1 Cylinder Head**

Cylinder head Porting is allowed but adding of materials is not allowed.

Planning of the Cylinder head is allowed.

#### **5.1 Connecting Rod**

Modification of Connecting Rod / Cylinder Block is permitted to provide Oil Squirters

#### **6.1 Gasket**

Free

#### **7.1 Camshaft**

Standard as per Homologation / TDF

Adjustable CAM pulley is permitted.

#### **8.1 Lubrication**

The fitting of an oil radiator outside the bodywork is only allowed below the horizontal plane passing through the hub in such a way that it does not protrude beyond the general perimeter of the car seen from above, without modifying the bodywork.

Fitting an oil radiator in this manner does not allow the addition of an enveloping aerodynamic structure.

The fitting of baffles in the oil sump is authorized.

### 9.1 Intake Manifold

Free

But the Mounting points of the Intake Manifold should be same as OE.

Fitment dose not entail the modification of other components, (Ex. Fire wall & Bonnet)

### 10.1 Throttle Body

Numbers has to be same as Homologation / TDF. **Diameter of the throttle Valve is free**

Vehicle equipped with Motorized Throttle body may change to mechanical Throttle body wise versa.

### 11.1 Exhaust

Free

Fitment dose not entail the modification of other components.

The Exit of the Exhaust pipe shall be at the Rear of the Car below the Bumper.

**There should be at least one muffler present in the system**

### 12.1 Gear Box

Gear Box housing must be AS PER Homologation/TDF

Gear Ratios Free, Synchronized or Non Synchronized (Dog Box)

Final Drive Ratio Free

Mechanical type Limited Slip Differential (LSD) is authorized provide that it can be fitted in series Housing.

Gear selecting Grid pattern on series model be retained.

Removal of material from the OE housing is permitted to accommodate fitment

### 12.2 Clutch

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

The diameter of the clutch disc IS FREE

### 13. ECU and wiring system

Free

Modification of the Wiring Harness is permitted

### 14. In addition, the following are permitted

1. Dashboard must remain but all accessories including glove box, centre console can be removed.
2. All plastic claddings inside the passenger compartment can be removed.
3. Suspension Top mount mounting on the chassis is free but point of articulation remains the same.
4. Radiator mounts free
5. Removal of the complete AC 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
6. 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 in the location on the central tunnel.**

**7. Strengthening of rear knuckles and lower arms with addition of material with or without creating hollow section is allowed.**

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

- **NOTE- All safety wear for this Group shall be as per FIA /FMSCI regulations**

### **16.1 Bonnet Vents**

Only two vents on each side of the bonnet are allowed.

Single vent or center vent are not allowed.

Maximum area of 310 sq. cm is allowed for each vent.

**Note: Other** than the modifications permitted expressly above should follow 2019 Group N Technical Regulations FMSCI. Art 254