



**The Federation of Motor Sports Clubs of India**

National Sports Federation recognized by the Government of India

**2020 Technical Regulations for  
SUPER STOCK (SS)  
(TC-3)**

Member of



Federation Internationale de l' Automobile



Federation Internationale de Motocyclisme

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## 2020 Technical Regulations for Super Stock (TC3)

The following Articles of 2020 FMSCI racing regulations is 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)

Any modifications are forbidden unless expressly authorized by the regulations specific to the group as mentioned below.

### Eligible Vehicles

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Any large scale series production Touring car manufactured / assembled in India. Only vehicles with Homologation / TDF (Technical Data Form) are allowed.

### Classes

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Upto 1625 cc

### Weight

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The minimum weight of the cars will be cc divided by a constant which is **1.65 for 1625cc** WITH DRIVER. This is the real weight of the car WITH DRIVER.

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 windscreenwiper.

### 1.1 Engine

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Modification to the Engine is not permitted.

### 1.2 Ignition System

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Spark plugs, plug wire, coil and trigger wheel and rotor are free provided they are mechanically interchangeable with the original part.

### 2.1 Engine & Gearbox Mounting

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Engine and Gearbox Mount materials Free Not their Numbers

### **3.1 Throttle Body**

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Throttle Body OE (TDF / Homologated) upstream of throttle body is free. For eg resonator plumbing, airfilter free.

### **4.1 Exhaust system**

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Free

The exit of the exhaust maybe on the right or left side of the car, behind the mid-point of the wheelbase and below the door sill.

### **5.1 Gearbox**

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Modification to the Gearbox is not permitted. Clutch and Pressure Plate is free. Clutch must be mechanically interchangeable with the original part.

### **6.1 Differential**

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Removal of material on the inside of the casing to accommodate fitment of LSD is permitted.

### **7.1 Braking System**

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No modification permitted.

Hand brake: Fly-off hand brake is permitted

Brake Pads are Free but original shape and Dimension to be maintained. Brake Fluid Free

Brake lines, Braided hoses are allowed.

### **8.1 Suspension**

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Shock absorbers and Springs free, External shock canisters allowed. Location is free.

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.

Ride height free.

Bushings and Mountings should conform to original design and size, uprated material is allowed.

Ground clearance must be such that no part of the cartouches the ground when two tyres on the same side of the car are deflated, WITH DRIVER

Front and Rear suspension top mount - fitting of uniball joint is permitted and modifications required in the strut tower to accommodate the uniball joint may be allowed.

Front and Rear Suspension Top mounts Free

Camber and Caster can be modified - (camber/caster change only through top mounts) 3 way dampers are permitted - (One way, two way and three way dampers are allowed)

In case of a torsion beam assembly the hub, the spindle including, flange of the torsion beam can be machined and/or shimmed to achieve the required geometrical change.

## **9.1 Wheels & Tyres**

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Homologated / TDF wheel rim size is only permitted

Rim width can be maximum 1" (one inch) more than Homologated / TDF size

Maximum Track width as per Art 207 as per homologation data / TDF may be increased by 50mm

Wheel rim offset is free

Spare wheel must be removed

## **10.1 ECU**

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FREE- including the wiring harness

Modifications to the wiring harness must be within 10 inches from ECU connector. Additional Sensors and Actuators not permitted.

## **11.1 Fuel Pump**

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Additional fuel pump CANNOT be fitted.

## **12.1 Interior**

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Dashboard: The dashboard MAY BE REMOVED. Floor: Carpets are free and must be removed. All sound proofing material may be removed.

## **13.1 Exterior**

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

Only the front bonnet, front fenders and the rear boot/ Tail gate may be made of fiberglass, metal or composite or a combination. The fibre glass must replicate the original shape.

***It is permitted to replace the OE Bumpers with Fibre glass replicas, provided the shape is identical to the OE component.***

**The Frame/Cowl which houses the radiator assembly, if made of plastic, may be made/repaired/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.**

Front passenger door must be openable

1. Headlights can be removed. However the opening must be covered with a fiberglass / metal plate and be safely secured. **However headlights must be fixed and working for night racing and need not be OE**

**The front grill is free and can be fabricated.**  
**Radiator coolant is free**

#### Fiberglass Specification

Recommended to be minimum of 3mm thickness.

Ribs in the Fiberglass bonnet is **MANDATORY.**

THE TECHNICAL DELEGATE (in his absence the Chief Scrutineer) IS THE FINAL AUTHORITY ON THE CONDITION, STRUCTURE AND SAFTY OF THE MODIFIED PARTS.

### **14.1 Door**

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Must be original as supplied by the manufacturer. **The winder mechanism may be changed to manual or vice versa.**

Door pads and all insulation materials may be removed. **All sound proofing material may be removed.**

### **15.1 Side and Rear Windows**

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The use of transparent or colorless anti shatter film on the side windows is mandatory **if the original glass is used.**

**Rear door window glasses and the rear windshield, may be replaced with Perspex and**

**provided it is properly riveted or bolted. The rear door winder mechanism may be removed.**

## **16.1 AC and Heating**

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

## **17.1 Safety**

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2020 FMSCI Safety Regulations (Article 253)

### Protective Padding

Where the occupant's bodies could come into contact with the safety cage, flame retardant padding must be provided for protection.

### Rear View

Rearward visibility must be ensured by two external rear-view mirrors (one on the right and one on the left). **The rear view mirrors may be replaced with any aftermarket replacements, so long as the viewing area is equal to or more than the OE part.**

An inside rear view mirror is optional

## **18.1 Fire Extinguisher Systems Mounted**

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The minimum Quantity of Extinguishant for system mounted must be 3kg.

### **Manual Extinguishers**

Minimum Quantity of Extinguishant: AFFF 2.4liters

FX G-TEC	2.0 kg
Viro 3	2.0kg
Zero360	2.0kg
Powder	2.0kg

Fire Extinguishers to be rigidly fastened with a quick release clamps (minimum 2 nos.) fitted in an easily accessible and a visible position. The mounting bracket of the fire extinguisher must be bolted to the floor with a bolt of minimum 10 mmdiameterThe bracket thickness – 2MM MS SHEET METAL

## **19.1 Roll Cage BasicStructure**

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As per FMSCI Regulations- RACING REGULATIONS- **ARTICLE -253-ROLLCAGES**

## **20.1 Ballast**

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It is permitted to complete the weight of the car by one several ballast provided that they are strong and unitary blocks, fixed by means of tools with the possibility to fix seals, placed on the floor of the cockpit, visible and sealed by the scrutineers.

### **21.1 Reinforcement of Aprons (Front)**

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It is permitted to add a member between the aprons( Strut Brace ), mounted only by means of bolt & nuts.

**\*\* END \*\***