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DECLARATION REGARDING TEST EQUIPMENTS**(Two/Three Wheeled Tyres as per IS 15627:2005)**

Sl. No.	Test Equipment /Chemicals & Identification Numbers (where applicable)	Least Count & /Range (where Applicable)	Valid Calibration (where Required Yes/No)	Test used in with Clause reference	Remarks indicate number of Equipments
1.	i) Pressure Gauge ii) Steel Tape iii) Pie Tape iv) Vernier Caliper v) Thermo Hygrometer vi) Test Rim Size	i) 100 to 600 kPa, LC 5 kPa ii) 0-5 m, LC 1 mm iii) 2 m, LC 1 mm iv) 0-500 mm, LC 0.02mm v) -20 to 40°C & 11 to 90% RH vi) Suitable to Tyre Size	Yes Yes Yes Yes Yes	Dimensions (Cl 4.1)	
2.	i) Tyre Drum Testing M/C ii) Test Drum Size iii) Pressure Gauge iv) Timer	i) Speed : ---to--- km/h, LC 0.1 km/h Load : ---to---Kg, LC 1Kg ii) ---m iii) 100 to 600 kPa, LC 5kPa iv) 0-12h, LC 1 sec	Yes Yes	Load/Speed Performance Test (Cl. 4.2)	
3.	i) Motorized Test Axle (Wheel with Rim) ii) Pressure Gauge iii) Timer iv) Contour-outline device	i) Speed: 0---to---km/h, LC 0.1 km/h Load : ---to---Kg, LC 1Kg ii) 100 to 600 kPa, LC 5kPa iii) 0-12h, LC 1 sec --	Yes Yes	Dynamic Growth of Tyres (Cl. 4.3) <i>(wherever applicable)</i>	
4.	i) Tyre Strength Test Machine ii) Pressure Gauge iii) Cylindrical Steel Plunger iv) Linear Scale	i) Load: 0-100kN, LC 10 N Speed: 50±1.5 mm/min. ii) 100 to 600 kPa, LC 5 kPa iii) Dia. 8 mm & 19 mm iv) 0-300 mm, LC 1mm	Yes Yes	Tyre Strength Test (Plunger Test) (Cl. 4.4)	
5.	i) Tyre Drum Testing M/C ii) Test Drum Size iii) Pressure Gauge iv) Timer	i) Speed : ---to--- km/h, LC 0.1 km/h Load : ---to---Kg, LC 1Kg ii) ---m iii) 100 to 600 kPa, LC 5 kPa iv) 0-12h, LC 1 sec	Yes Yes	Endurance Test (Cl. 4.5)	
6.	i) Pressure Gauge ii) Depth Gauge	i) 100 to 600 kPa, LC 5 kPa ii) 0-25 mm, LC 0.01 mm	Yes Yes	Tread Wear Indicators (Cl. 4.6)	
7.	Raw Material Testing Equipments	As appropriate		Raw Material Test	

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DECLARATION REGARDING TEST EQUIPMENTS

(Tyres for Passenger Car Vehicles as per IS 15633:2005)

Sl.No.	Test Equipment /Chemicals & Identification Numbers (where applicable)	Least Count & /Range (where Applicable)	Valid Calibration (where Required Yes/No)	Test used in with Clause reference	Remarks indicate number of Equipments
1.	i) Pressure Gauge ii) Steel Tape iii) Pie Tape iv) Vernier Caliper v) Thermo Hygrometer vi) Test Rim Size	i) 100 to 600 kPa, LC 5 kPa ii) 0-5 m, LC 1 mm iii) 2 m, LC 1 mm iv) 0-500 mm, LC 0.02mm v) -20 to 40°C & 11 to 90% RH vi) Suitable to Tyre Size	Yes Yes Yes Yes Yes	Dimensions (Cl 4.1)	
2.	i) Tyre Drum Testing M/C ii) Test Drum Size iii) Pressure Gauge	i) Speed : ---to--- km/h, LC 0.1 km/h Load : ---to---Kg, LC 1Kg ii) ---m iii) 100 to 600 kPa, LC 5 kPa	Yes Yes	Load/Speed Performance Test (Cl. 4.2)	
3.	i) Tyre Drum Testing M/C ii) Test Drum Size iii) Pressure Gauge iv) Timer	i) Speed : ---to--- km/h, LC 0.1 km/h Load : ---to---Kg, LC 1Kg ii) ---m iii) 100 to 600 kPa, LC 5 kPa iv) 0-12h, LC 1 sec	Yes Yes	Endurance Test (Cl. 4.3)	
4.	i) Testing Machine with Bead Unseating Block ii) Pressure Gauge	i) Load : 0-100kN, LC 10 N Speed: 50±1.5 mm/min. ii) 100 to 600 kPa, LC 5 kPa		Bead Unseating Resisting Test (For Tubeless Tyres) (Cl. 4.4)	
5.	i) Pressure Gauge ii) Depth Gauge	i) 100 to 600 kPa, LC 5 kPa ii) 0-25 mm, LC 0.01 mm	Yes Yes	Tread Wear Indicators (Cl. 4.5)	
6.	i) Tyre Strength Test Machine ii) Pressure Gauge iii) Cylindrical Steel Plunger iv) Linear Scale	i) Load : 0-100kN, LC 10 N Speed: 50±1.5 mm/min. ii) 100 to 600 kPa, LC 5 kPa iii) Dia. 19 mm iv) 0-300 mm, LC 1mm	Yes Yes	Tyre Strength Test (Plunger Test) (Cl. 4.6)	
7.	Raw Material Testing Equipments	As appropriate		Raw Material Test	

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DECLARATION REGARDING TEST EQUIPMENTS

(Commercial Tyres as per IS 15636:2012)

Sl. No.	Test Equipment /Chemicals & Identification Numbers (where applicable)	Least Count & /Range (where Applicable)	Valid Calibration (where Required Yes/No)	Test used in with Clause reference	Remarks indicate number of Equipments
1.	i) Pressure Gauge ii) Steel Tape iii) Pie Tape iv) Vernier Caliper v) Thermo Hygrometer vi) Test Rim Size	i)100 to 600 kPa,LC 5 kPa ii) 0-5 m, LC 1 mm iii) 2 m, LC 1 mm iv) 0-500 mm, LC 0.02mm v) -20 to 40°C & 11 to 90% RH vi) Suitable toTyre Size	Yes Yes Yes Yes Yes	Dimensions (Cl 4.1)	
2.	i) Tyre Drum Testing M/C ii) Test Drum Size iii) Pressure Gauge	i)Speed :---to--- km/h, LC 0.1 km/h Load : ---to---Kg, LC 1Kg ii) ---m iii)100 to 600 kPa,LC 5 kPa	Yes Yes	Endurance Test (Cl. 4.2)	
3.	i) Tyre Drum Testing M/C ii) Test Drum Size iii) Pressure Gauge iv) Timer	i)Speed :---to--- km/h, LC 0.1 km/h Load : ---to---Kg, LC 1Kg ii) ---m iii)100 to 600 kPa,LC 5kPa iv) 0-12h, LC 1 sec	Yes Yes	Load/Speed Performance Test (Cl. 4.3)	
4.	i) Pressure Gauge ii) Depth Gauge	i)100 to 600 kPa,LC 5 kPa ii) 0-25 mm, LC 0.01 mm	Yes Yes	Tread Wear Indicators (Cl. 4.4)	
5.	i) Tyre Strength Test Machine ii) Pressure Gauge iii) Cylindrical Steel Plunger iv) Linear Scale	i) Load: 0-100kN, LC 10 N Speed: 50±1.5 mm/min. ii)100 to 600 kPa,LC 5 kPa iii) Dia.19 mm , 32 mm & 38 mm iv) 0-300 mm, LC 1mm	Yes Yes	Tyre Strength Test (Plunger Test) (Cl. 4.5)	
6.	Raw Material Testing Equipments	As appropriate		Raw Material Test	

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DECLARATION REGARDING TEST EQUIPMENTS

(Tubes for Pneumatic Tyres as per IS 13098:2012)

SI. No.	Test Equipment /Chemicals & Identification Numbers (where applicable)	Least Count & /Range (where Applicable)	Valid Calibration (where Required Yes/No)	Test used in with Clause reference	Remarks indicate number of Equipments
1.	i) Vernier Caliper ii) Micrometer iii) Angle Protector iv) Plug & Ring Thread Gauges	i) 0-200 mm, LC 0.01 mm ii) 0-25 mm, LC 0,01 mm iii) 0-180° iv) As required	Yes Yes Yes Yes	Valve or Spud Dimensions (Cl. 3.1)	
2.	Tyres of Respective Size of Tubes			Form & Fit (Cl 3.3)	
3.	i) Dial Depth Gauge; or ii) Vernier Caliper; or iii) Micrometer	i) 0-10 mm, LC 0.01 mm ii) 0-200 mm, LC 0.01 mm iii) 0-25 mm, LC 0.01 mm	Yes Yes	Thickness Uniformity (Cl. 3.3.1 & 3.3.2)	
4.	i) Tensile Testing Machine ii) Dumb Bell Cutter iii) Scale	i) 0- 500 Kg, LC 0.1 Kg ii) As required iii) 0-300 mm, LC 0.5 mm	Yes Yes	Elongation & Strength of Splice (Cl. 4.1.1 & 4.1.2)	
5.	i) Dumb Bell Cutter ii) Air Oven iii) Timer iv) Stretching Device for keeping the sample under tension	i) As required ii) 0-300°C, LC 1°C iii) 0-99 h, LC 1 Sec.	Yes	Set After Ageing (Cl. 4.1.3)	
6.	i) Dumb Bell Cutter ii) Oven iii) Timer iv) Scale	i) As required ii) 0-300°C, LC 0.1°C iii) 0-99 h, LC 1 Sec. iv) 0-300 mm, LC 0.5 mm	Yes	Accelerated Ageing (Cl. 4.1.4)	
7.	Vaccum Device	-	-	Air Tightness (Cl. 5)	