



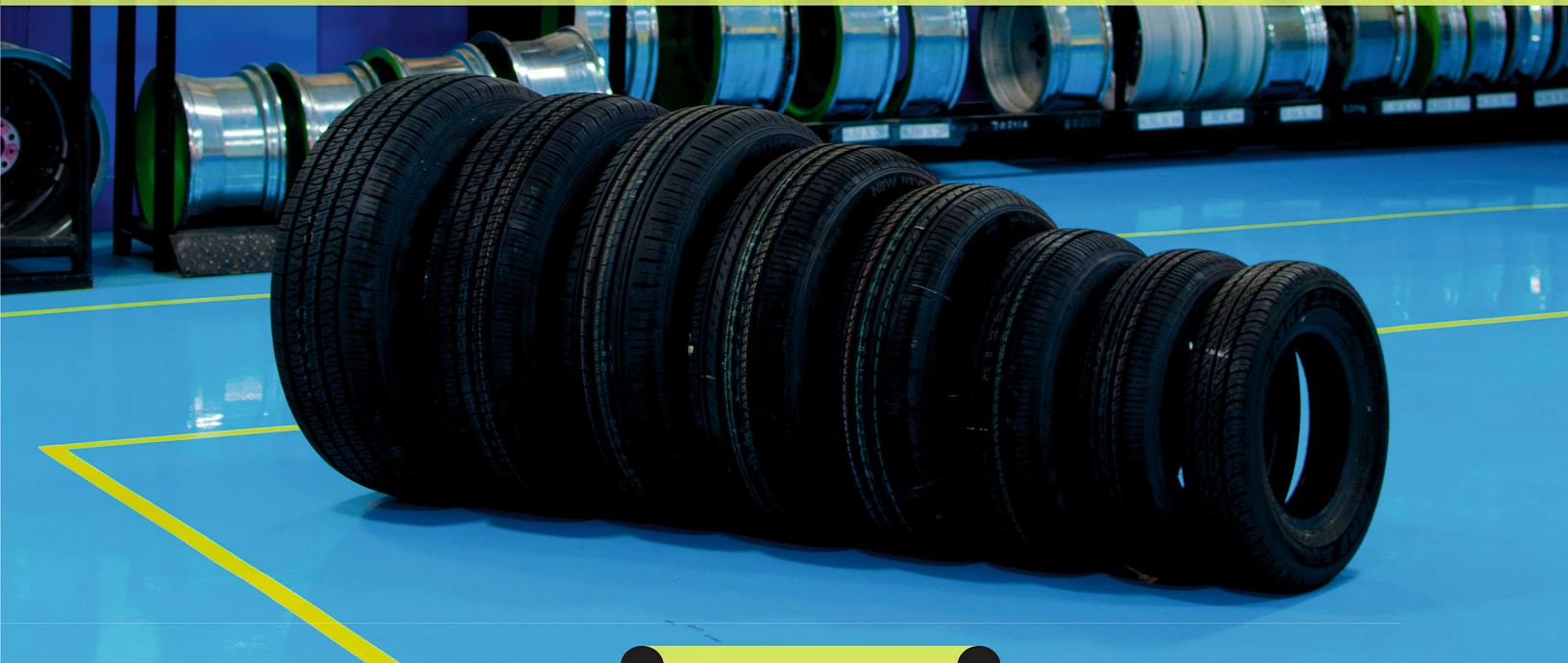
TYRE TEST LAB (TTL)

NABL/ISO 17025 Accredited
& BIS Approved

Tyre being crucial for the road safety, comfort and fuel economy of vehicle, needs to undergo a comprehensive & rigorous testing to evaluate & ensure its adequate performance. ICAT has world class Tyre Test Facilities being operated & managed by highly skilled and experienced team to deliver quality & swift services to our esteemed customers.

Tyre Test Lab is providing services to the tyre Industry, vehicle manufacturers/OEMs, Bureau of Indian Standards (BIS), Foreign Tyre Manufacturers etc. for tyre's testing, Type Approval & COP as per AIS: 037.

ICAT has transformed this lab into Centre of Excellence (COE) by developing new capabilities including the installation of Dual Station Endurance Test Rig and Tyre Rolling Resistance Test Rig.



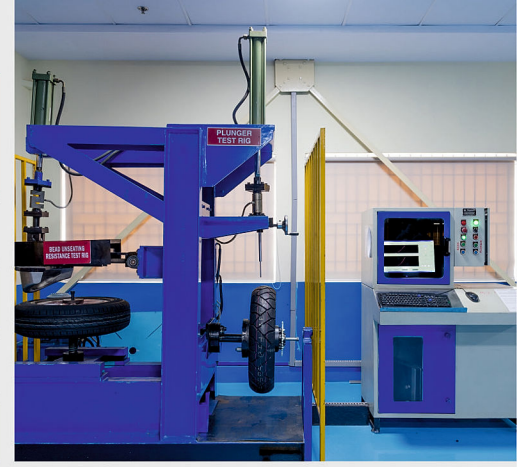
CAPABILITIES

Tyre Test Lab provides engineering capability through thriving teams that work in close co-operation with customers across the globe. We specialize in Certification and Development testing for tyres as per standards and consummate the all high requirements of our customer.



APPLICABLE STANDARDS/REGULATIONS FOR TYRE TESTING

Indian Standards	IS 15627, IS 15633, IS 15636, AIS 037, AIS 110
European Standards	ECE R 30, ECE R 54, ECE R 75, ECE R 117 rev2
Gulf Standards	GSO/02/FDS /646:2009, GSO 53/2007
US Regulations	FMVSS No. 139



CERTIFICATION AND DEVELOPMENT

- 1** Tyre Testing of BIS Samples as per IS:15627, IS:15633 & IS:15636.
- 2** Testing of Tyres for inclusion in BIS License (for foreign & Indian tyre manufacturers)
- 3** Tyre Testing as per ECE Regulations and GSO Standards.
- 4** Consultancy for setting up Tyre Test Labs
- 5** Rolling Resistance Measurement (Torque Method) as per ECE R117 & ISO Standards.

SPECIFICATION OF TEST EQUIPMENTS

Testing Facility	Specifications	Parameters
Load/Speed Performance & Endurance Test Rig	Reference Standards	IS 15627, IS 15633, IS 15636
	Maximum Load	150 kN
	Maximum Wheel Rim Size	24 inches
Dual Station Endurance Test Rig	Reference Standards	IS 15627, IS 15633
	Maximum Load	30kN
	Maximum Test Speed	350km/h
Plunger and Bead Unseating Test rig	Reference Standards	IS 15627, IS 15633, IS 15636
	Maximum Load	50 kN
	Maximum Wheel Rim Size	24 inches
Tyre Dynamic Growth Test Rig	Reference Standards	IS 15627
	Maximum Speed	300 km/h
	Applicability	2W/3W
Tyre Rolling Resistance Test Rig	Reference Standards	ECE R 117 rev2, ISO 28580
	Load Capacity	25 kN
	Maximum Test Speed	150 km/h
	Test Method	Torque

TYRE TESTING FACILITIES

- ▲ Load /Speed Performance Test Rig
- ▲ Endurance Test Rig
- ▲ Dual Station Endurance Test Rig
- ▲ Plunger Test Rig
- ▲ Bead Unseating Resistance Test Rig (for Tubeless Tyre)
- ▲ Tyre Dynamic growth
- ▲ Tyre Rolling Resistance Test Rig

KEY PROJECTS

- ▲ Development Projects for long duration Endurance Test have been performed for renowned tyre manufacturers with high precision and accuracy.
- ▲ Bulk Tyre Testing (approx 75 Sizes) for foreign Manufacturers (for inclusion in BIS License).
- ▲ Development test for Dynamic Growth of tyres as per customer requirements.
- ▲ Tyre Rolling Resistance test for two wheeler and passenger car Tyres.
- ▲ Type Approval Testing of Tyres as per CMVR/AIS: 037 (approx. 100 Sizes).



TYRE TEST LABORATORY (TTL)

Email - ttl.info@icat.in | Phone - +91-124-4586111 | Website - www.icat.in

International Centre for Automotive Technology

Centre II - Plot No. 1, Sector M-11, HSIIDC, IMT Manesar, Gurugram - 122050, Haryana