



Association of
State Road Transport Undertakings



CIRT

Excellence in Transport



Safety & Homologation Division
Central Institute of Road Transport
Bhosari, Pune -Nasik Road, Pune 411026

Central Institute of Road Transport - Excellence in Transport



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Central Institute of Road Transport (CIRT) was established in 1967 by Ministry of Road Transport & Highways (MoRTH) & Association of State Road Transport Undertakings (ASRTU). CIRT Performs its activities under the aegis of MoRTH, Government of India & ASRTU. Safety & Homologation Division (SHD) of Central Institute of Road Transport was established two decades back with the authorisation by Ministry of Road Transport & Highways under Central Motor Vehicle Rule – 126 for Testing & Type Approval Certification of entire gamut of Vehicle categories – running on Conventional & Alternative Fuels & Alternative Technologies – Including Battery Operated Electric Vehicles - Ranging from 2/3 Wheelers, E-Rikshaws / E- Carts to Heavy Commercial Vehicles (HCVs) , Automotive Trailers , Passenger Buses including School Buses, Sleeper Coaches , Double Deck Buses , Tarmac Buses , Construction Equipment Vehicles (CEVs) & Agriculture Tractors.

Safety & Homologation Division of CIRT carries out Testing & Certification for Type Approval Certification of Vehicles in accordance with Central Motor Vehicle Rules, 1989 (as amended up to date). To aid efficient, quick, and effective quality service, Vehicle Testing, Evaluation & Certification services are offered at various proving grounds and manufacturers premises in India or Abroad. Safety & Homologation Department also undertakes Type Approval Certification (TAC) & Conformity of Production (COP) of Automotive Safety Components under CMV Rule 124 and AIS 037 with the support of CIRT's own NABL & BIS Accredited Laboratories. Ministry of Road Transport & Highways, Govt. of India has created Technical Secretariat at CIRT to enable function of Automotive Industry Standards Committee (AISC) set to review the safety in design, construction, operation, and maintenance of motor vehicles with GVW of more than 3.5 tonnes. Dr T Surya Kiran Director, CIRT is the Chairman of AISC for Vehicles with GVW of more than 3.5 tonnes. Shri S N Dhole – Head -TS is Convener for AIS-119 (Sleeper Buses), AIS -63 (School Buses) AIS -139 (Double Deck Buses) and Co-Convener for AIS 52 (Bus Code) & AIS 93 (Truck Code) . SHD also works closely with MoRTH for Formulation of Rules, Regulations and Policy Matters.

Under GSR 870 issued by Ministry of Road Transport & Highways - Safety & Homologation Division of CIRT carries out approvals for Imported Vehicles on the basis of EEC/ECE/ Japanese Whole Vehicle Type Approval Certificates. Safety & Homologation Division - under Chapter XI of CMVR for Recognition, Regulation & Control of Automated Testing Station (ATS) carries out Pre-Commissioning Audits & Audits during Operations for Efficient and Effective operations of ATS ensuring Fitness of Vehicles for Safe & efficient running of vehicles on Indian Roads. Such Audits are undertaken by SHD across Length & Breadth of India. SHD, additionally supports Registered Vehicle Scrapping Facility (RVSF) providers by Virtue of Conducting Audits for Establishment and Periodic Operational Audits under CMVR. Audits of SHD ensures Effective & Efficient Operations of RVSF established for Scrapping of Vehicles under – The Motor Vehicles (Registration & Functions of Vehicle Scrapping Facility) Rules 2021 notified by Ministry of Road Transport & Highways. Such Audits, too, are undertaken by SHD across Length & Breadth of India.

Safety & Homologation also supports Bus Manufacturers and Bus Body Builders for undertaking Accreditation of their Bus Body Plants under Central Motor Vehicles (Accreditation of Bus Body Builders) Order 2012 – Notified by Ministry of Road Transport & Highways. SHD is also involved

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in Building Capacities of Human Resources from Transport Sector covering man power from Transport Departments of various States, STUs, OEMs & Bus Body Builders & Auto Component Manufacturers.

Services Offered by Safety & Homologation Division as per various AIS/IS Standards prescribed Under CMVR

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| <ul style="list-style-type: none"> ▪ Evaluation / Verification of Buses as per AIS: 052, AIS: 153 running on conventional & alternative fuels and Batteries. ▪ Bus Body Accreditation ▪ Evaluation of Braking & ABS Performance for all category of vehicles ▪ TAC & COP Certification under CMV Rule 124 for Safety Components ▪ Safety requirements of Hydrogen Powered vehicles for M&N ▪ Evaluation / Verification of Ambulances as per AIS: 125. ▪ Evaluation / Verification of School Buses as per AIS: 063. ▪ Evaluation / Verification of Sleeper Coaches as per AIS: 119. ▪ Evaluation / Verification of Double Decker Buses as per AIS: 139. ▪ CMVR type approval of retro fitment of Battery Operated Electric Vehicles & Hybrid Electric Systems as per AIS: 123 (Part I, II & III) ▪ Overall Dimension Tests & Vehicle Weightment for all Vehicles ▪ External projections Tests for all Vehicles ▪ Pass-by Noise Level Measurement Test for M, N and L category of vehicles. ▪ Interior Noise Level Measurement Test for N2 / N3 and M2 / M3 category of vehicles ▪ Measurement of Turning Circle Diameter-TCD and Turning Circle | <ul style="list-style-type: none"> ▪ Evaluation / Verification of Trucks as per AIS: 093 ▪ Electronic Stability Control (ESC) Systems Evaluation ▪ Automotive Trailer testing as per AIS: 113 – Trailer code. Range Test for LPG / CNG fuelled vehicles. ▪ CMVR Type Approval Certification for Battery Operated 2/3 Wheelers, E-Rikshaws & E-Carts ▪ Flood tests for Electric Vehicles ▪ Safety Checks for LPG/CNG fuelled vehicles. ▪ Type Approval of Caravans ▪ Gradeability Test for all Vehicles ▪ Requirement of Temporary Cabin for Drive Away Chassis for N category vehicles ▪ Measurement of Approach, Departure and Ramp Angles of Automotive Vehicles (G Category) ▪ Acceleration performance of 2-wheeler ▪ Acceleration performance of automotive vehicles other than 2 and 3 wheelers ▪ Verification of arrangement for operation of Foot Controls for M category vehicles ▪ Constant Speed Fuel Consumption Measurement. ▪ Speedometer Calibration for all Vehicles. ▪ Steering Effort Measurement for all vehicles other than 2-Wheelers ▪ Odometer Calibration as per for all vehicles ▪ Measurement of Maximum Speed ▪ Tell Tale Symbols Checks for M, N, L and CEV category. |
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Clearance Diameter-TCCD for all vehicles other than 2 wheelers

- **Cooling Performance Trials as per IS 14557: 1998.**
- **Stationary Noise Level Measurement for all vehicles**

Our Valuable Clients



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|-----------------------|---------------------|----------------------------------|----------|---|
| ➤ Mahindra & Mahindra | ➤ Veera Vahan Udyog | ➤ MG Automotive | ➤ MSRTC | ➤ 166 Bus Body Builders Pan India.
New Global Customer |
| ➤ John Deere | ➤ AMS | ➤ S M Kannappa | ➤ GSRTC | |
| ➤ Volvo | ➤ Olectra | ➤ Kondody | ➤ BMTC | |
| ➤ Tata Motors | ➤ Mytrah Mobility | ➤ Antony Garages Private limited | ➤ APSRTC | |
| ➤ Ashok Leyland | ➤ TPS Infra | ➤ MB Coach | ➤ JKSRTC | |
| ➤ Scania | ➤ Corona | ➤ Royal Coach | ➤ PMPML | |
| ➤ VECV | ➤ K.M.S. Coach | ➤ TVR | ➤ BEST | |
| ➤ Caterpillar | ➤ TMML | ➤ Maruti Coach | ➤ NMMT | |
| ➤ Perkins | | ➤ Atal Coach | ➤ ASCDC | |
| ➤ Tirth Agro | | ➤ ACGL | ➤ TNSTC | |
| ➤ KPIT | | | ➤ KSRTC | ➤ Tesla. |
| | | | ➤ BUDCO | ➤ Mercedes-Benz. |
| | | | | ➤ BMW. |
| | | | | ➤ Harley-Davidson. |
| | | | | ➤ Lamborghini. |
| | | | | ➤ Ferrari. |
| | | | | ➤ Rolls-Royce. |
| | | | | ➤ JLR |
| | | | | ➤ Aston Martin. |
| | | | | ➤ Triumph |

Glimpse of Vehicles Tested & Certified for Type Approval Certification by CIRT



CONTACT US

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