National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RBEI RELIABILITY TESTING LABORATORY, #730 BUILDING, HOSUR ROAD, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9281 **Page No** 1 of 2

Validity 24/02/2021 to 23/02/2023 **Last Amended on** 23/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Combined Temperature and Vibration Test (Random vibration) - (Ramp rate: up to 10 deg / min)	ISO 16750 Part 3,4.1.2 , 4.1.2.1, 4.1.2.2, 4.1.2.4, 4.1.2.5, 4.1.2.6, 4.1.2.7, 4.1.2.8 ,4.1.2.10 , 4.1.2.11 ,4.1.2.12
2	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Combined Temperature and Vibration Test (Sine vibration) - (Ramp rate: up to 10 deg / min)	ISO 16750 Part 3, 4.1.2 , 4.1.2.1, 4.1.2.2, 4.1.2.3, 4.1.2.6, 4.1.2.10, 4.1.2.11, 4.1.2.12
3	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Humid Heat, Cyclic test	ISO 16750-Part 4 Sec 5.6, IEC 60068-2-30, IEC60068-2-38
4	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Free Fall Test	ISO 16750 Part-3 Sec 4.3.2, IEC 60068-2-31-05
5	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	High temperature tests	ISO 16750-Part 4,Sec 5.1.2 , IEC 60068-2-2
6	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Low temperature Tests	ISO 16750- Part 4 Sec 5.1.1, IEC 60068 -2-1
7	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Mechanical shock	ISO 16750 Part 3, 4.2 ,4.2.1 , IEC 60068-2-27
8	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Random vibration	IEC 60068-2-64, ISO 16750 Part 3, 4.1.2, 4.1.2.1 , 4.1.2.2 ,4.1.2.4 ,4.1.2.5 ,4.1.2.6, 4.1.2.7 ,4.1.2.8 ,4.1.2.10, 4.1.2.11,4.1.2.12
9	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Rapid change of temperature with specified transition duration (Transition time less than 3 min)	ISO 16750-Part 4 Sec 5.3.2, IEC 60068-2-14, Test Na
10	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Salt spray tests - Slat mist test Corrosion test	ISO 16750-Part 4 Sec 5.5.1, IEC 60068-2-11, Test Ka, IEC 60068-2-52, Test Kb
11	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Sinusoidal Vibration	IEC 60068-2-6, ISO 16750 Part 3, 4.1.2, 4.1.2.1 ,4.1.2.2, 4.1.2.3, 4.1.2.6, 4.1.2.10, 4.1.2.11, 4.1.2.12

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12	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Temperature cycle with specified change rate (Ramp rate: up to 10 deg / min)	ISO 16750-Part 4 Sec 5.3.1, IEC 60068-2- 14,Test Nb
13	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road Vehicles-Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Temperature Step Test	ISO 16750-Part 4 Sec 5.2