National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS TEST AND DEVELOPMENT CENTRE, AGRICULTURE COLLEGE CAMPUS, SHIVAJINAGAR, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6360 **Page No** 1 of 2

Validity 20/03/2022 to 19/03/2024 **Last Amended on** 19/07/2022

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	ELECTRONICS- EMC TEST FACILITY	Electrical Lighting and similar equipments	Conducted emission test	CISPR 15, EN 55015
2	ELECTRONICS- EMC TEST FACILITY	Equipment installed in Industrial locations, power generation plants & sub-stations. Protection equipment Alarm systems Metering equipment	Damped oscillatory surge On Power lines	IEC 61000-4-18, EN 61000-4-18+A1
3	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific, Medical equipment, Process control and allied equipment, Lighting. Household appliances & Portable tools. UPS. IT. Measurement control & laboratory equipment.	Electrostatic discharge (ESD)	IEC 61000-4-2, EN 61000-4-2
4	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific, Medical equipment, Process control and allied equipment, Lighting. Household appliances & Portable tools.	Surge on Power lines	IEC/ EN 61000-4-5
5	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific, Medical equipment, Household appliances & portable tools, Lighting, IT, Process control and allied equipment, UPS measurement control & LAB equipment	Conducted Emission	CISPR 11, EN 55011,CISPR 14-1 / EN 55014-1,CISPR 15 , EN 55015 , CISPR 32, EN55032
6	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific, Medical equipment, Household appliances & portable tools, Lighting, IT, Process control and allied equipment, UPS measurement control & LAB equipment.	Electrical Fast Transient/ Burst on 1) Power lines, 2) I/O & control lines	IEC/ EN 61000-4-4
7	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific, Medical equipment, Household appliances & portable tools, Lighting, IT, Process control and allied equipment, UPS measurement control & LAB. equipment.	Power Frequency Magneetic Field Immunity Test	IEC61000-4-8
8	ELECTRONICS- EMC TEST FACILITY	Industrial, Scientific,Medical equipment, Process control and allied equipment, Lighting. Household appliances & Portable tools. UPS. IT. Measurement control & laboratory equipment.	Conducted RF susceptibility on Power lines	IEC 61000-4-6, EN 61000-4-6
9	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Environmental Testing (Climatic)	Change of temperature test	IEC 60068-2-14, IS 9000-Part-14,JSS 55555,JSS 50101, QM 333:sec-3:test no. 4
10	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Environmental Testing (Climatic)	Cold test	IEC 60068-2-1,IS 9000-Part-2 , JSS 55555,JSS 50101, QM 333: sec-3: test no. 1
11	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Environmental Testing (Climatic)	Damp Heat (Cyclic) Test	IEC 60068-2-30, IS 9000-Part-5,JSS 55555,JSS 50101, QM 333:sec-3:test no. 3
12	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Environmental Testing (Climatic)	Damp Heat (Steady State) Test	IEC 60068-2-78, IS 9000-Part-4,JSS 55555,JSS 50101, QM 333:sec-3:test no. 5

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13	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Environmental Testing (Climatic)	Dry Heat test	IEC 60068-2-2, IS 9000-Part-3,JSS 55555,JSS 50101, QM 333:sec-3:test no. 2
14	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Environmental Testing (Climatic)	Dust test (First numerals 5, category 2)	IEC60529
15	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Environmental Testing (Mechanical durability)	Bump test	IEC 60068-2-27, IS 9000-Part-7,JSS 55555,JSS 50101, QM 333:sec-3:test no. 13
16	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Environmental Testing (Mechanical durability)	Shock test(Sine pulse)	IEC 60068-2-27, IS 9000-Part-7,JSS 55555,JSS 50101, QM 333
17	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Environmental Testing (Mechanical durability)	Vibration test (Random)	IEC 60068-2-64, IS 9000-Part-7, JSS 55555,JSS50101, QM333, IEC 61373
18	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Environmental Testing (Mechanical durability)	Vibration test(Sinusoidal)	IEC 60068-2-6, IS 9000-Part-8, JSS 55555,JSS 50101, QM 333:sec-3:test no. 6, JIS D1601