National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ELECTRONICS TEST & DEVELOPMENT CENTRE, T.P.BLOCK,U-1 ELECTRONIC MANUFACTURING CLUSTER, BADWAI, BHOPAL, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10417 **Page No** 1 of 3

Validity 17/03/2022 to 16/03/2024 **Last Amended on** -

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- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Battery Replacement Test	Cl No 12.7.3.3, IS 616, IEC 60065: 2017
2	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Bump Test	Cl No 12.1.2, IS 616, IEC 60065: 2017
3	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Crush Test	Cl No 12.7.3.6, IS 616, IEC 60065: 2017
4	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Drop Test	Cl No 12.1.5, Cl No 12.7.3.4, IS 616, IEC 60065: 2017
5	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Humidity Treatment	Cl No 10.4, IS 616, IEC 60065
6	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Insulation Requirements	Cl No 10.1, IS 616, IEC 60065
7	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Insulation Resistance and Dielectric Strength	Cl No 10.4, IS 616, IEC 60065: 2017
8	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Resistance to fire	Cl No 20, IS 616, IEC 60065
9	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Stability & Mechanical Hazards - Test at 10 Deg to the Horizontal	Cl No 19.2, IS 616, IEC 60065: 2017
10	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Stability and mechanical hazards – Test of edges and corners	Cl No 19.5, IS 616, IEC 60065: 2017
11	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Stress Relief Test	Cl No 12.1.6, Cl No 12.7.3.2 IS 616, IEC 60065: 2017
12	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio & Video Products	Terminals	Cl No 15, IS 616, IEC 60065
13	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio and Video Products	Clearence & Creepage Distances	Cl No 13, IS 616, IEC 60065

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14	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio and Video Products	Electrical connections & Mechanical fixings	Cl No 17.2 to 17.6, Cl 17.8, Cl 17.9, IS 616, IEC 60065
15	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio and Video Products	External flexible cords	Cl No 16.1, 16.2, Cl No 16.4 to Cl no 16.7, IS 616, IEC 60065
16	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio and Video Products	Heating under normal operating conditions	Cl No 7, IS 616, IEC 60065
17	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio and Video Products	Marking	Cl No 5, IS 616, IEC 60065
18	ELECTRONICS- IT EQUIPMENT	IT Equipments	Abnormal Operation and Fault conditions	Cl 5.3,IS 13252 (Part 1), IEC 60950-1
19	ELECTRONICS- IT EQUIPMENT	IT Equipments	Disconnection from the mains supply	Cl 3.4, IS 13252 (Part 1), IEC 60950-1
20	ELECTRONICS- IT EQUIPMENT	IT Equipments	Drop Test	Cl 4.2.6, IS 13252 (Part 1), IEC 60950-1
21	ELECTRONICS- IT EQUIPMENT	IT Equipments	Electrical Insulation	Cl 2.9, IS 13252 (Part 1), IEC 60950-1
22	ELECTRONICS- IT EQUIPMENT	IT Equipments	Interconnection of equipment	Cl 3.5, IS 13252 (Part 1), IEC 60950-1
23	ELECTRONICS- IT EQUIPMENT	IT Equipments	Marking	Cl No 1.7, IS 13252 (Part 1), IEC 60950-1
24	ELECTRONICS- IT EQUIPMENT	IT Equipments	Over-current and earth fault protection in primary circuits	Cl 2.7, IS 13252 (Part 1), IEC 60950-1
25	ELECTRONICS- IT EQUIPMENT	IT Equipments	Power Interface	Cl 1.6, IS 13252 (Part 1), IEC 60950-1
26	ELECTRONICS- IT EQUIPMENT	IT Equipments	Protection from Electric Shock & Hazard	Cl No 2.1, IS 13252 (Part 1), IEC 60950-1
27	ELECTRONICS- IT EQUIPMENT	IT Equipments	Provision for Earthing and Bonding	Cl No 2.6, IS 13252 (Part 1), IEC 60950-1
28	ELECTRONICS- IT EQUIPMENT	IT Equipments	Resistance to fire	Cl 4.7,IS 13252 (Part 1), IEC 60950-1
29	ELECTRONICS- IT EQUIPMENT	IT Equipments	SELV Circuits	CL 2.2, IS 13252 (Part 1), IEC 60950-1
30	ELECTRONICS- IT EQUIPMENT	IT Equipments	Stress Relief Test	Cl 4.2.7, IS 13252 (Part 1), IEC 60950-1

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31	ELECTRONICS- IT EQUIPMENT	IT Equipments	Thermal Requirements	Cl 4.5, IS 13252 (Part 1), IEC 60950-1
32	ELECTRONICS- IT EQUIPMENT	IT Equipments	Wiring connection and Supply	Cl No 3.1, IS 13252 (Part 1), IEC 60950-1
33	ELECTRONICS- IT EQUIPMENT	IT Equipments	Wiring terminals for connection of external conductors	Cl 3.3, IS 13252 (Part 1), IEC 60950-1