



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

<b>Laboratory Name :</b>	ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL, INDIA		
<b>Accreditation Standard</b>	ISO/IEC 17025:2017		
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<b>Validity</b>	14/03/2023 to 13/03/2025	<b>Last Amended on</b>	04/05/2023

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
161	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS; Class: 1 & 2; Single & Three Phase	Vibration Test	Cl. No.: 12.3.2 of IS 13779
162	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS; Class: 1 & 2; Single & Three Phase	Visual Inspection	Cl. No.: 7 of IS 13779
163	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS; Class: 1 & 2; Single & Three Phase	Visual Inspection	Cl. No.: 7 of IS 13779 (AMD.5):
164	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS; Class: 1 & 2; Three Phase	Test of immunity to earth/ phase fault	Cl. No.: 12.8 of IS 13779
165	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Component	Damp Heat Test	IEC 60068-2-78
166	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Low Temperature	IEC 60068-2-1
167	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Bump Test(peak accl., max load 113 kg, No. of Bump 2-4 bump/sec)	"Withdrawn" JSS 55555 : 2000; JSS 55555 :
168	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Bump Test(peak accl., max load 113 kg, No. of Bump 2-4 bump/sec)	IEC 60068-2-27
169	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Bump Test(peak accl., max load 113 kg, No. of Bump 2-4 bump/sec)	TEC14016
170	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Change of Temperature	IEC 60068-2-14
171	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Change of temperature	IS 9000 Part 14
172	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assemblies, Accessories And Components	Damp Heat Test	"Withdrawn" JSS 55555 : 2000; JSS 55555



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173	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Damp Heat Test	IEC 60068-2-30
174	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Damp Heat Test	IS 9000 (Part 5): 1981 RA
175	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Damp Heat Test	TEC 14016
176	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Damp Heat Test ( steady)	IS 9000 (Part 4)
177	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Drop & Topple Test	"Withdrawn" JSS 55555 : 2000; JSS 55555
178	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Drop & Topple Test	IS 9000 Part VII/Sec -3
179	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Drop & Topple Test	TEC 14016
180	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Fall Test	IS 9000 Part - VII/Sec -4
181	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Fall Test	TEC 14016
182	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	High Temperature	IEC 60068-2-2
183	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	High Temperature	"Withdrawn" JSS 55555 : 2000; JSS 55555
184	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	High Temperature	IEC 60068-2-14
185	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	High Temperature	IS 9000 (Part 14): 1988 RA
186	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	High Temperature	IS 9000 (Part 3): 1977 RA



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187	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	High Temperature	TEC 14016
188	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection (2nd Numeral 1-8)	IEC 60529
189	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection (2nd Numeral 1-8)	IS/IEC 60947-1: 2007, AMD 1
190	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection (2nd Numeral 1-8)	IEC60034-5
191	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection (1st Numeral 1 - 6)	IS/IEC 60529
192	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection (1st Numeral 1 - 6)	IS/IEC60034-5
193	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection (2nd Numeral 1-8)	IS / IEC 60529
194	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection (2nd Numeral 1-8)	IS/IEC60034-5
195	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection (1st Numeral 1 - 6)	IEC 60529
196	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection (1st Numeral 1 - 6)	IEC60034-5
197	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Ingress Protection (1st Numeral 1 - 6)	IS/IEC 60947-1:2007, AMD 1
198	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Low Temperature	"Withdrawn" JSS 55555 : 2000; JSS 55555
199	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Low Temperature	IEC 60068-2-14
200	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Low Temperature	IS 9000 (Part 14): 1988 RA



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201	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Low Temperature	IS/IEC 60068-2-1
202	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Low Temperature	TEC 14016
203	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Rapid temperature cyclic test	"Withdrawn" JSS 55555 : 2000; JSS 55555
204	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Rapid temperature cyclic test	TEC 14016
205	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Salt Spray	"Withdrawn" JSS 55555:2000, JSS 55555:2012
206	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Salt Spray	IEC 68-2-11
207	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Salt Spray	IEC 68-2-52
208	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Salt Spray	IS 9000 (Part 11): 1983 (RA 2007)
209	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Salt Spray	TEC14016
210	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Shock Test(Half sine,max load 30kg)	IEC 60068-2-27
211	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Shock Test(Half sine,max load 30kg)	IS 9000 (Part VII)Sec I)
212	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Shock(Half Sine, max load 30kg)	"Withdrawn" JSS 55555 : 2000; JSS 55555
213	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Shock(Half Sine,max load 30kg)	TEC14016
214	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Vibration: Sine	IEC 60068-2-6



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215	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Vibration: Sine	IS 9000 (PartVIII) RA
216	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Vibration: Sine	TEC 14016
217	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Vibration: Random	"Withdrawn" JSS 55555 : 2000; JSS 55555
218	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Vibration: Random	IEC 60068-2-64
219	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Vibration: Random	IEC 61373
220	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical Apparatus Including Sub-Assembles, Accessories And Components	Vibration: Sine	"Withdrawn" JSS 55555 : 2000; JSS 55555
221	ELECTRICAL- SAFETY TESTING FACILITY	Electrical apparatus in Explosive Gas Atmospheres - General Requirements	Compliance of Prototype or sample with documents	Cl. no. 25 of IS/IEC 60079-0
222	ELECTRICAL- SAFETY TESTING FACILITY	Electrical apparatus in Explosive Gas Atmospheres - General Requirements	Documentation	Cl. no. 24 of "Withdrawn" IS/IEC 60079-0
223	ELECTRICAL- SAFETY TESTING FACILITY	Electrical apparatus in Explosive Gas Atmospheres - General Requirements	Documentation	Cl. no. 24 of IS/IEC 60079-0
224	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Charging Test (measurement of capacitance)	Cl. no. 26.14 of IS/IEC 60079-0
225	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Compliance of prototype or sample with documents	Cl. no.25 of "Withdrawn" IS/IEC 60079-0
226	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Drop test	Cl. no. 26.4.3 of "Withdrawn" IS/IEC 60079-0
227	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Drop test	Cl. no. 26.4.3 of IS/IEC 60079-0
228	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Ingress protection test (IP 1X to 6X & IP X1 to X7/ X8) for rotating & non-rotating machine	Cl. no. 26.4.5 of IS/IEC 60079-0
229	ELECTRICAL- SAFETY TESTING FACILITY	Electrical Apparatus in Explosive Gas Atmospheres- General Requirements	Resistance to Chemicals agents for Group I electrical apparatus	Cl. no. 26.11 of "Withdrawn" IS/IEC 60079-0