



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

| | | | |
|-------------------------------|---|------------------------|------------|
| Laboratory Name : | ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL, INDIA | | |
| Accreditation Standard | ISO/IEC 17025:2017 | | |
| Certificate Number | TC-5637 | Page No | 18 of 43 |
| Validity | 14/03/2023 to 13/03/2025 | Last Amended on | 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 |
|------|---|--|--|--|
| 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TEST FACILITY | Electrical Apparatus Including Sub-Assembles, Accessories And Components | Vibration: Random | "Withdrawn" JSS 55555 : 2000; JSS 55555 |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TEST FACILITY | Electrical Apparatus Including Sub-Assembles, Accessories And Components | Vibration: Sine | "Withdrawn" JSS 55555 : 2000; JSS 55555 |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 no. 24 of "Withdrawn" IS/IEC 60079-0 |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 |



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| 230 | 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 IS/IEC 60079-0 |
| 231 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres- General Requirements | Resistance to Impact Test | Cl. no. 26.4.2 of "Withdrawn" IS/IEC 60079-0 |
| 232 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres- General Requirements | Thermal Endurance to cold (Non-metallic) | Cl. no. 26.9 of IS/IEC 60079-0 |
| 233 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres- General Requirements | Thermal Endurance to heat (non-metallic) | Cl. no. 26.8 of IS/IEC 60079-0 |
| 234 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres- General Requirements | Thermal Shock Test for Glass parts | Cl. no. 26.5.2 of "Withdrawn" IS/IEC 60079-0 |
| 235 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres- General Requirements | Thermal Shock Test for Glass parts | Cl. no. 26.5.2 of IS/IEC 60079-0 |
| 236 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres- General Requirements | Torque Test for bushings | Cl. no. 26.6 of "Withdrawn" IS/IEC 60079-0 |
| 237 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres- General Requirements | Torque Test for bushings | Cl. no. 26.6 of IS/IEC 60079-0 |
| 238 | 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 machines | Cl. no. 26.4.5 of "Withdrawn" IS/IEC 60079-0 |
| 239 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements | Charging Test (measurement of capacitance) | Cl. no. 26.14 of "Withdrawn" IS/IEC 60079-0 |
| 240 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements | Resistance to Impact Test | Cl. No 26.4.2 and A 3.3 of IS/IEC 60079-0 |
| 241 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements | Surface resistance test of non-metallic materials (Resistance measurement after conditioning) | Cl. no. 26.13 of "Withdrawn" IS/IEC 60079-0 |
| 242 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements | Surface resistance test of non-metallic materials (Resistance measurement after conditioning) | Cl. no. 26.13 of IS/IEC 60079-0 |
| 243 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements | Temperature Measurement | Cl. no. 26.5.1 of "Withdrawn" IS/IEC 60079-0 |
| 244 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements | Temperature Measurement | Cl. no. 26.5.1 of IS/IEC 60079-0 |
| 245 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements | Thermal Endurance to cold (Non-metallic) | Cl. no. 26.9 of "Withdrawn" IS/IEC 60079-0: |



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| Page No | 20 of 43 |
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| 246 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Apparatus in Explosive Gas Atmospheres.- General Requirements | Thermal Endurance to heat (non-metallic) | Cl. no. 26.8 of "Withdrawn" IS/IEC 60079-0: |
| 247 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Casting Compound : Force | "Withdrawn" IS/IEC 60079-11: Cls.10.6.1 |
| 248 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Casting Compound : Force | IS/IEC 60079-11: Cls. 10.6.1 |
| 249 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Cell Voltage : DC Voltage | "Withdrawn" IS/IEC 60079-11: Cl. 7.4.3 |
| 250 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Cell Voltage : DC Voltage | IS/IEC 60079-11: Cls. 7.4.4 |
| 251 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Dielectric Strength Test (HV Test) | "Withdrawn" IS/IEC 60079-11: Cl.10.3 |
| 252 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Dielectric Strength Test (HV Test) | IS/IEC 60079-11: Cls. 10.3 |
| 253 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Distance Under coating :Comparative tracking index(CTI) | "Withdrawn" IS/IEC 60079-11: Cl. 6.3.9 |
| 254 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Distance Under coating :Comparative tracking index(CTI) | IS/IEC 60079-11: Cls. 6.3.9 |
| 255 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Marking | "Withdrawn" IS/IEC 60079-11: Cls. 12, |
| 256 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Marking | IS/IEC 60079-11: Cls. 12 |
| 257 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Separation Distance : Clearance & Creepage | "Withdrawn" IS/IEC 60079-11: Cls. 6.3 |
| 258 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Separation Distance : Clearance & Creepage | IS/IEC 60079-11: Cls. 6.3 |
| 259 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Spark Ignition Test: Gas Mixture (Vol%) | "Withdrawn" IS/IEC 60079-11: Cls.10.1 |
| 260 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Spark Ignition Test: Gas Mixture (Vol%) | IS/IEC 60079-11: Cls. 10.1 |
| 261 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Spark Ignition Test | "Withdrawn" IS/IEC 60079-11: Cls.10.1, |
| 262 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Spark Ignition Test | IS/IEC 60079-11: Cls. 10.1 |
| 263 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Spark Ignition Test : DC Current | "Withdrawn" IS/IEC 60079-11: Cl. no.10.1 |



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| Accreditation Standard | ISO/IEC 17025:2017 | Last Amended on | 04/05/2023 |
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| 264 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Spark Ignition Test : DC Current | IS/IEC 60079-11:Cls. 10.1 |
| 265 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Spark Ignition Test: Time | "Withdrawn" IS/IEC 60079-11: Cls.10.1, |
| 266 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Spark Ignition Test: Time | IS/IEC 60079-11: Cls. 10.1 |
| 267 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Temperature rise test of Cells & batteries | "Withdrawn" IS/IEC 60079-11 Cl. 10.5.3 |
| 268 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Temperature rise test of Cells & batteries | IS/IEC 60079-11 Cl. 10.5.3 |
| 269 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Terminal : Creepage distances | "Withdrawn" IS/IEC 60079-11: Cl. 6.3.7 |
| 270 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Terminal : Creepage distances | IS/IEC 60079-11: Cl. 6.3.8 |
| 271 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Testing Consideration: DC Current | "Withdrawn" IS/IEC 60079-11: Cls. 10.1.5 |
| 272 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Testing Consideration: DC Current | IS/IEC 60079-11: Cls. 10.1.5 |
| 273 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Transformer Test : AC Current | "Withdrawn" IS/IEC 60079-11: Cls. 10.10, |
| 274 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Transformer Test : AC Current | IS/IEC 60079-11: Cls. 10.10 |
| 275 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Transformer Test : AC Voltage | "Withdrawn" IS/IEC 60079-11: Cls. 10.10 |
| 276 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 11, Equipment Protection by Intrinsic Safety 'i', | Transformer Test : AC Voltage | IS/IEC 60079-11: Cls. 10.10 |
| 277 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nR', | Electric Strength Test | IS/IEC 60079-15: Clause 6.2 |
| 278 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nR', | Surface Temperature | IS/IEC 60079-15: Cls. 5 |
| 279 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nA' & 'nR', | Clearance | "Withdrawn" IS/IEC 60079-15: Clause 6.4 |
| 280 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nA' & 'nR', | Creepage distance | "Withdrawn" IS/IEC 60079-15: Clause 6.4 |
| 281 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nA' & 'nR', | Electric Strength Test | "Withdrawn" IS/IEC 60079-15: Clause.6.5 |
| 282 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection by Type of Protection 'nA' & 'nR', | Radial Air Gap | "Withdrawn" IS/IEC 60079-15: Clause.8 |



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| 283 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection Protection by Type of 'nR', | Test for restricted Breathing enclosure | IS/IEC 60079-15: Cls. 11.3 |
| 284 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection Protection by Type of 'nA' & 'nR', | Comparative tracking Index(CTI) | Table 3 of "Withdrawn" IS/ IEC 60079-15 |
| 285 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection Protection by Type of 'nA' & 'nR', | Surface Temperature | "Withdrawn" IS/IEC 60079-15: Cls. 5 |
| 286 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection Protection by Type of 'nA' & 'nR', | Test for restricted Breathing enclosure | "Withdrawn" IS/IEC 60079-15: Cls 22.6 |
| 287 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmosphere Part 15, Equipment Protection Protection by Type of 'nA' & 'nR', | Thermal Endurance to Heat | "Withdrawn" IS/IEC 60079-15: Cls. 22.3.1.1 |
| 288 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Cage rotor construction | "Withdrawn" IS/IEC 60079-7: Cls. 6.2.3.2, |
| 289 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Cage rotor construction | IS/IEC 60079-7: Cls. 6.2.3.2 |
| 290 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Clearance | "Withdrawn" IS/IEC 60079-7: Cls. 4, |
| 291 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Clearance | IS/IEC 60079-7: Cls 4 |
| 292 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Conductor dimension | "Withdrawn" IS/IEC 60079-7: Cls. 4, |
| 293 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Conductor dimension | IS/IEC 60079-7: Cls 4 |
| 294 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Creepage distance | "Withdrawn" IS/IEC 60079-7: Cls. 4, |
| 295 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Creepage distance | IS/IEC 60079-7: Cls 4 |
| 296 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Determination of Time tE | "Withdrawn" IS/IEC 60079-7: Annexure A |
| 297 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Determination of Time tE | IS/IEC 60079-7: Annexure A |
| 298 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Dielectric Strength Test | "Withdrawn" IS/IEC 60079-7: Cls. 6.1 |
| 299 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Dielectric Strength Test | IS/IEC 60079-7: Cls 6.1 |
| 300 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | General Purpose connection and junction boxes measurement of temperature and power dissipated | "Withdrawn" IS/IEC 60079-7: Cls. 6.7, |



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| 301 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | General Purpose connection and junction boxes measurement of temperature and power dissipated | IS/IEC 60079-7: Cls. 6.8 |
| 302 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Supplementary requirements | "Withdrawn" IS/IEC 60079-7: Cls. 5, |
| 303 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Supplementary requirements | IS/IEC 60079-7: Cls 5 |
| 304 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Determination of starting current ratio | "Withdrawn" IS/IEC 60079-7: Cls. 6.2.1, & Annexure A |
| 305 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 7 Equipment Protection by Increased Safety "e" | Determination of starting current ratio | IS/IEC 60079-7: Cls. 6.2.1 Annexure A |
| 306 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Determination of explosion Pressure (reference pressure) | "Withdrawn" IS/IEC 60079-1: Cl. no. 15.1.2 |
| 307 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Determination of explosion Pressure (reference pressure) | IS/IEC 60079-1: Cl. no. 15.2.2 |
| 308 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Flammability Test - Non Metallic Parts | "Withdrawn" IS/IEC 60079-1: Cl. no. 19.3.2 |
| 309 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Impact Test for Ex thread adapters | "Withdrawn" IS/IEC 60079-1: Cls. C 3.4.2 |
| 310 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Impact Test for Ex thread adapters | IS/IEC 60079-1: Cls. C 3.4.2 |
| 311 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Over Pressure Test - 3 X Ref Pressure | IS/IEC 60079-1: Cl. no. 15.2.3.2 |
| 312 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Over Pressure Test - 1.5 X Ref. Pressure, 4 X Ref. Pressure | "Withdrawn" IS/IEC 60079-1: Cl. no. 15.1.3.1 |
| 313 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Over Pressure Test - 1.5 X Ref. Pressure, 4 X Ref. Pressure | IS/IEC 60079-1: Cl. no. 15.2.3.2 |
| 314 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Over Pressure Test for Ex stopping plugs/Blanking elements | "Withdrawn" IS/IEC 60079-1: Cl. no. C 3.3.2 |
| 315 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Over Pressure Test for Ex stopping plugs/Blanking elements | IS/IEC 60079-1: 2014 Cls. C 3.3.2 |
| 316 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Over pressure test for Ex thread adaptors | "Withdrawn" IS/IEC 60079-1: Cls. C 3.4.3 |
| 317 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Over pressure test for Ex thread adaptors | IS/IEC 60079-1: Cls. C 3.4.3 |



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| Laboratory Name : | ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, 24 PARGANAS (N), WEST BENGAL, INDIA | Page No | 24 of 43 |
| Accreditation Standard | ISO/IEC 17025:2017 | Last Amended on | 04/05/2023 |
| Certificate Number | TC-5637 | | |
| Validity | 14/03/2023 to 13/03/2025 | | |

| 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 |
|------|--------------------------------------|--|--|--|
| 318 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Over Pressure Test for Ex-component Enclosures | "Withdrawn" IS/IEC 60079-1: Cls. D.3.7 |
| 319 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Over Pressure Test for Ex-component Enclosures | IS/IEC 60079-1: Cls. D 3.7 |
| 320 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Pressure Determination with Obstruction Plate | "Withdrawn" IS/IEC 60079-1: Cls. D.3.6 |
| 321 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Pressure Determination with Obstruction Plate | IS/IEC 60079-1: Cl. D 3.6 |
| 322 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Test for Non- Transmission of an internal ignition | "Withdrawn" IS/IEC 60079-1: Cl. no. 15.2 |
| 323 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Test for Non- Transmission of an internal ignition | IS/IEC 60079-1: Cl. 15.3 |
| 324 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Tests for flameproofness including ability to withstand pressure, Erosion by flame and Non Transmission of internal ignition | "Withdrawn" IS/IEC 60079-1: Cl. no. 19.3.1 |
| 325 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Tests for flameproofness including ability to withstand pressure, Erosion by flame and Non Transmission of internal ignition | IS/IEC 60079-1: Cl no.. 19.3 & Cl. no. 19.4 |
| 326 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Torque Test for Ex stopping plugs/Blanking elements | "Withdrawn" IS/IEC 60079-1: Cl. no. C 3.3.1 |
| 327 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Torque Test for Ex stopping plugs/Blanking elements | IS/IEC 60079-1 (Cl. C 3.3.1) |
| 328 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Torque Test for Ex thread adapters (Torque test) | "Withdrawn" IS/IEC 60079-1: Cls. C 3.4.1 |
| 329 | ELECTRICAL- SAFETY TESTING FACILITY | Explosive Atmospheres Part 1 Equipment Protection by Flameproof Enclosures "d" | Torque Test for Ex thread adapters (Torque test) | IS/IEC 60079-1 (Cl. C 3.4.1) |
| 330 | ELECTRONICS- SAFETY TESTING FACILITY | Electricity metering equipment (AC)- general requirements, tests and test conditions- Part 31: Product safety requirements and tests | A.C power frequency voltage test , | IEC 62052-31:2015, Edition 1.0, Cl : 6.10.2.5 |
| 331 | ELECTRONICS- SAFETY TESTING FACILITY | 2. House Hold and Similar Electrical Appliances- Safety- Part 1- General Requirements, Part 2-25: Particular requirements for Microwave Ovens, including combination Micro Ovens | Abnormal operation (maximum winding temperature) | "Withdrawn" IEC 60335-1:2010+AMD1:2013+A MD2:2016 CSV, "Withdrawn" IEC 60335-2-25:2010+AMD1:2014 +AMD2:2015 CSV, IS 302-2-25:2014, IS 302-1:2008 : 2016, cl.19.7 |