# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

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|---|---|---|---|
| **Laboratory Name :** | TISCON TESTING AND RESEARCH INSTITUTE PVT. LTD., GAT NO.115, JYOTIBA NAGAR, TALAWADE, PIMPRI CHINCHWAD, PUNE, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-8827 | **Page No** | 1 of 23 |
| **Validity** | 10/07/2022 to 09/07/2024 | **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 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | DC Resistance (100 ,1000 ,5000 mm) | IS 2121 Part 2 |
| 2 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | Bend Test | IS 2121 Part 1 |
| 3 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | DC Resistance / Resistivity test (100 mm, 1000 mm & 5000 mm) | BS 3288 Part 1 |
| 4 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | DC Resistance / Resistivity test (100 mm, 1000 mm & 5000 mm) | IS 2121 Part 1 |
| 5 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | Resilience Test | IS 10162 |
| 6 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | Resilient Test | IS 2121 Part 1 |
| 7 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | Tensile Strength test | IEC 61284 |
| 8 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | Tensile Strength test | IS 2121 Part 1 |
| 9 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | Visual Examination and Verification of Dimensions | IS 2121 Part 1 |
| 10 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel/Suspension clamp (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | Slip Strength | IEC 61284 |

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| 11 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Armour Rod/ Aluminum Clad Steel/Suspension clamp (ACSR / AAAC/ AAC/ AL59/ ACS/HTLS/OPGW/ADSS/ GS & ACS Earthwire) | Slip Strength | IS 2121 Part 1 |
| 12 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Electric Power Connector | DC Resistance | IS 5561 |
| 13 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Electric Power Connector | Temperature Rise | ANSI/NEMA CC 1 |
| 14 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Electric Power Connector | Temperature Rise | IS 5561 |
| 15 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Electric Power connector/ BPI Connector | Cantilever strength test | IS 5561 |
| 16 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | BS EN 50182 |
| 17 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | BS EN 50189 |
| 18 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | BS EN 50540 |
| 19 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IEC 60104 |
| 20 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IEC 60888 |
| 21 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IEC 60889 |

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| 22 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IEC 61089 |
| 23 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IEC 61232 |
| 24 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IEC 62004 |
| 25 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IEC 62219 |
| 26 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IS 12776 |
| 27 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IS 398 (Part 6) |
| 28 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IS 398 Part 1 |
| 29 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IS 398 Part 2 |
| 30 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IS 398 Part 3 |
| 31 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IS 398 Part 4 |
| 32 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Breaking Load / Tensile Strength | IS 398 Part 5 |

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| 33 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | DC Resistance (100 mm, 1000 mm & 5000 mm) | IEC 61232 |
| 34 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | DC Resistance (100 mm, 1000 mm & 5000 mm) | IS 398 Part 5 |
| 35 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | DC Resistance (100,1000,5000 mm) | IEC 60889 |
| 36 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | DC Resistance (100 ,1000 ,5000 mm) | IS 398 Part 2 |
| 37 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | DC Resistance (100 mm, 1000 mm & 5000 mm) | IS 398 (Part 6) |
| 38 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | DC Resistance (100,1000,5000 mm) | IS 398 Part 4 |
| 39 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | DC Resistance (100 mm, 1000 mm & 5000 mm) | IS 12776 |
| 40 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | BS EN 50182 |
| 41 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | BS EN 50189 |
| 42 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | EN 50540 |
| 43 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IEC 60104 |

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| 44 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IEC 60888 |
| 45 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IEC 61232 |
| 46 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IEC 62004 |
| 47 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IEC 62219 |
| 48 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IS 12776 |
| 49 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IS 398 (Part 6) |
| 50 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IS 398 Part 2 |
| 51 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IS 398 Part 3 |
| 52 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IS 398 Part 4 |
| 53 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Elongation | IS 398 Part 5 |
| 54 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | BS EN 50182 |

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| 55 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | BS EN 50189 |
| 56 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | BS EN 50540 |
| 57 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IEC 60104 |
| 58 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IEC 60888 |
| 59 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IEC 60889 |
| 60 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IEC 61089 |
| 61 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IEC 61232 |
| 62 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IEC 62004 |
| 63 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IEC 62219 |
| 64 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IS 12776 |
| 65 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IS 398 (Part 6) |

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| 66 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IS 398 Part 1 |
| 67 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IS 398 Part 2 |
| 68 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IS 398 Part 3 |
| 69 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IS 398 Part 4 |
| 70 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Measurement of Diameter | IS 398 Part 5 |
| 71 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Uniformity of Zinc Coating | BS EN 50189 |
| 72 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Uniformity of Zinc Coating | BS EN ISO 1461 |
| 73 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | BS EN 50189 |
| 74 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | IEC 60888 |
| 75 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | IEC 60889 |
| 76 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | IEC 62004 |

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| 77 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | IS 12776 |
| 78 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | IS 398 (Part 6) |
| 79 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | IS 398 Part 1 |
| 80 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | IS 398 Part 2 |
| 81 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | IS 398 Part 3 |
| 82 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | IS 398 Part 4 |
| 83 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | Wrapping | IS 398 Part 5 |
| 84 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Individual wires of stranded conductor & earth wire (ACSR/AAAC/AAC/ ACCC/ ACSS/AL59/ACS/STACIR/ GS Earth Wire) | DC Resistance (100,1000,5000 mm) | IS 398 Part 1 |
| 85 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Visual Examination | IS 2121 Part 3 |
| 86 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Damage and failure load test/Mechanical Strength Tests | BS 3288 Part 1 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|
| **Laboratory Name :** | TISCON TESTING AND RESEARCH INSTITUTE PVT. LTD., GAT NO.115, JYOTIBA NAGAR, TALAWADE, PIMPRI CHINCHWAD, PUNE, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
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| 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 |
|---|---|---|---|---|
| 87 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Damage and failure load test/Mechanical Strength Tests | BS EN 50483-3 |
| 88 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Damage and failure load test/Mechanical Strength Tests | IEC 61284 |
| 89 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Damage and failure load test/Mechanical Strength Tests | IS 2121 Part 4 |
| 90 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Damage and failure load test/Mechanical Strength Tests | IS 2486 Part 1 |
| 91 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Dimensional Verification | BS 3288 Part 1 |
| 92 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Dimensional Verification | BS EN 50483-3 |
| 93 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Dimensional Verification | IEC 61284 |

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|---|---|---|---|---|
| 94 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Dimensional Verification | IS 2121 Part 1 |
| 95 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Dimensional Verification | IS 2121 Part 2 |
| 96 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Dimensional Verification | IS 2121 Part 3 |
| 97 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Dimensional Verification | IS 2121 Part 4 |
| 98 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Dimensional Verification | IS 2486 Part 1 |
| 99 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Dimensional Verification | IS 2486 Part 2 |
| 100 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Proof load test | IEC 61284 |

# SCOPE OF ACCREDITATION

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| 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 |
|---|---|---|---|---|
| 101 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Tensile Test/ Failing Load | IEC 61284 |
| 102 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Tensile Test/ Failing Load | IS 2121 Part 2 |
| 103 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Tensile Test/ Failing Load | IS 2121 Part 4 |
| 104 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Tensile Test/ Failing Load | IS 2486 Part 1 |
| 105 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Visual Examination | BS 3288 Part 1 |
| 106 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Visual Examination | BS EN 50483-3 |
| 107 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Visual Examination | IEC 61284 |

# SCOPE OF ACCREDITATION

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| 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 |
|---|---|---|---|---|
| 108 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Visual Examination | IS 2121 Part 1 |
| 109 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Visual Examination | IS 2121 Part 2 |
| 110 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Visual Examination | IS 2121 Part 4 |
| 111 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Visual Examination | IS 2486 Part 1 |
| 112 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Insulator set fittings and Earthwire fittings/ Suspension clamps/ Tension Joints and Tension clamps/ Partial tension Fittings/ Insulator Protective fittings/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ 4R-Vibration Damper Suitable for (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Visual Examination | IS 2486 Part 2 |
| 113 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS) | Heat Cycle test/Endurance Test | ANSI C119.4 |
| 114 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS) | Heat Cycle test/Endurance Test | BS 3288 Part 1 |
| 115 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS) | Heat Cycle test/Endurance Test | BS EN 50483-3 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|---|
| 116 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS) | Heat Cycle test/Endurance Test | IEC 61284 |
| 117 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS) | Heat Cycle test/Endurance Test | IS 2121 Part 2 |
| 118 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS) | Heat Cycle test/Endurance Test | IS 2121 Part 4 |
| 119 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS) | Heat Cycle test/Endurance Test | IS 2486 Part 1 |
| 120 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Electrical Resistance | BS 3288 Part 1 |
| 121 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Electrical Resistance | IEC 61284 |
| 122 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Electrical Resistance | IS 2121 Part 2 |
| 123 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Electrical Resistance | IS 2121 Part 3 |
| 124 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Heat Cycle test/Endurance Test/Electrical aging test | BS EN 50483-4 |

# SCOPE OF ACCREDITATION

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| 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 |
|---|---|---|---|---|
| 125 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Heat Cycle test/Endurance Test/Electrical aging test | BS EN 50483-5 |
| 126 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Heat Cycle test/Endurance Test/Electrical aging test | IEC 61238-1-2 |
| 127 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Heat Cycle test/Endurance Test/Electrical aging test | IEC 61238-1-3 |
| 128 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Tensile Test/ Failing Load | IEC 61284 |
| 129 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Tensile Test/ Failing Load | IS 2121 Part 2 |
| 130 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Tensile Test/ Failing Load | IS 2121 Part 4 |
| 131 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor) | Tensile Test/ Failing Load | IS 2486 Part 1 |
| 132 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Metal fittings of insulators for overhead power lines, Conductor and earth wire accessories (Tension Clamp/Anchor clamps / Jumper connections / Suspension clamp/ Non tension/Partial tension joints suitable for ACSR/ AAAC/AAC/ AL59/HTLS/Covered conductor)(ACSR/AAAC/AAC/AL59/ HTLS) | Heat Cycle test/Endurance Test/Electrical aging test | IEC 61238-1-1 |
| 133 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Power connector | Pull out strength test | IS 5561 |

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|---|---|---|---|---|
| 134 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Power Connectors, Joints, Connectors | Mechanical test | IEC 61238-1-2 |
| 135 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Power Connectors, Joints, Connectors | Mechanical test | IEC 61238-1-3 |
| 136 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Power Connectors, Joints, Connectors | Mechanical test | IEC61238-1-1 |
| 137 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | DC Resistance (100 mm, 1000 mm & 5000 mm) | IS 398 Part 3 |
| 138 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | DC Resistance (100 mm, 1000 mm & 5000 mm) | IS 398 Part 4 |
| 139 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | DC Resistance (100 ,1000 ,5000 mm) | IS 398 Part 5 |
| 140 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | DC Resistance (100 ,1000, 5000 mm) | IS 398 (Part 6) |
| 141 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | DC Resistance (100,1000,5000 mm) | IEEE 1138 |
| 142 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | DC Resistance (100 mm, 1000 mm & 5000 mm) | IS 12776 |
| 143 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | DC Resistance (100 mm, 1000 mm & 5000 mm) | IS 398 Part 1 |
| 144 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | DC Resistance (100,1000,5000 mm) | IS 398 Part 2 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|
| **Laboratory Name :** | TISCON TESTING AND RESEARCH INSTITUTE PVT. LTD., GAT NO.115, JYOTIBA NAGAR, TALAWADE, PIMPRI CHINCHWAD, PUNE, MAHARASHTRA, INDIA | | |
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| 145 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | DC Resistance (100,1000,5000 mm) | IS 398 Part 4 |
| 146 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | BS EN 50182 |
| 147 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | BS EN 50540 |
| 148 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | IEC 61089 |
| 149 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | IEC 62219 |
| 150 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | IEEE 1138 |
| 151 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | IS 12776 |
| 152 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | IS 398 (Part 1) |
| 153 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | IS 398 (Part 2) |
| 154 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | IS 398 (Part 3) |
| 155 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | IS 398 (Part 4) |

# SCOPE OF ACCREDITATION

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| 156 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | IS 398 (Part 5) |
| 157 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Lay direction | IS 398 (Part 6) |
| 158 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Long Term Creep | BS EN 61395 |
| 159 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Long Term Creep | IEC 61395 |
| 160 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Long Term Creep | IEEE 1138 |
| 161 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Diameter | BS EN 50540 |
| 162 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Diameter | IEC 61089 |
| 163 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Diameter | IEC 62219 |
| 164 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | BS EN 50182 |
| 165 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | BS EN 50540 |
| 166 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | IEC 61089 |

# SCOPE OF ACCREDITATION

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| 167 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | IEC 62219 |
| 168 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | IEEE 1138 |
| 169 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | IS 12776 |
| 170 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | IS 398 (Part 6) |
| 171 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | IS 398 Part 1 |
| 172 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | IS 398 Part 2 |
| 173 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | IS 398 Part 3 |
| 174 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | IS 398 Part 4 |
| 175 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Measurement of Lay Ratio | IS 398 Part 5 |
| 176 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Stress Strain | BS EN 50182 |
| 177 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Stress Strain | BS EN 50540 |

# SCOPE OF ACCREDITATION

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| 178 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Stress Strain | IEC 61089 |
| 179 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Stress Strain | IEC 62219 |
| 180 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Stress Strain | IEEE 1138 |
| 181 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Stress Strain | IS 398 (Part 6) |
| 182 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Stress Strain | IS 398 Part 2 |
| 183 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Surface Condition | IS 12776 |
| 184 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Surface Condition | IS 398 Part 2 |
| 185 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Surface Condition | IS 398 Part 5 |
| 186 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Torsion Test | IEC 60794-1-2 |
| 187 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Ultimate Tensile Strength Test/ Breaking Load Test | ASTM B399/B399M |
| 188 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Ultimate Tensile Strength Test/ Breaking Load Test | BS EN 50182 |

# SCOPE OF ACCREDITATION

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| 189 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Ultimate Tensile Strength Test/ Breaking Load Test | BS EN 50540 |
| 190 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Ultimate Tensile Strength Test/ Breaking Load Test | IEC 61089 |
| 191 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Ultimate Tensile Strength Test/ Breaking Load Test | IEC 62219 |
| 192 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Ultimate Tensile Strength Test/ Breaking Load Test | IEEE 1138 |
| 193 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Ultimate Tensile Strength Test/ Breaking Load Test | IS 12776 |
| 194 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Ultimate Tensile Strength Test/ Breaking Load Test | IS 398 (Part 6) |
| 195 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Ultimate Tensile Strength Test/ Breaking Load Test | IS 398 Part 2 |
| 196 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Ultimate Tensile Strength Test/ Breaking Load Test | IS 398 Part 5 |
| 197 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Visual Examination | ASTM B232/B232M |
| 198 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Visual Examination | BS EN 50182 |
| 199 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Visual Examination | BS EN 50540 |

# SCOPE OF ACCREDITATION

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| 200 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Visual Examination | BS EN 61089 |
| 201 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Visual Examination | IEC 61089 |
| 202 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Visual Examination | IEC 62219 |
| 203 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Visual Examination | IS 398 (Part 6) |
| 204 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | stranded conductor & earth wire (ACSR / AAAC/ AAC/ ACCC/ACSS/AL59/ACS/ STACIR/ OPGW/GS Earth Wire) | Visual Examination | IS 398 Part 5 |
| 205 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension clamp & Tension clamp for covered conductor | Lift load and side load test for suspension clamp at ambient temperature | EN 50397-2 |
| 206 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension clamp & Tension clamp for covered conductor | Slip test at ambient temperature | EN 50397-2 |
| 207 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension clamp & Tension clamp for covered conductor | Tensile test at high temperature | EN 50397-2 |
| 208 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension clamp & Tension clamp for covered conductor | Tensile test for tension clamps at ambient temperature | EN 50397-2 |
| 209 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension clamp, IPC & Tension clamp for covered conductor | Water tightness test | EN 50397-2 |
| 210 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension clamp, IPC & Tension clamp for covered conductor | Clamp bolt tightening test | EN 50397-2 |

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| 211 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension Clamps/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ Vibration Damper (ACSR / AAAC/AAC/ACAR/ AL59/ ACS/ HTLS/ OPGW/ ADSS/ GS Earthwire/ ACS Earthwire) | Clamp Bolt Torque test | BS 3288 Part 1 |
| 212 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension Clamps/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ Vibration Damper (ACSR / AAAC/AAC/ACAR/ AL59/ ACS/ HTLS/ OPGW/ ADSS/ GS Earthwire/ ACS Earthwire) | Clamp Bolt Torque test | IEC 61284 |
| 213 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension Clamps/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ Vibration Damper (ACSR / AAAC/AAC/ACAR/ AL59/ ACS/ HTLS/ OPGW/ ADSS/ GS Earthwire/ ACS Earthwire) | Clamp Bolt Torque test | IS 2486 Part 1 |
| 214 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension Clamps/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ Vibration Damper (ACSR / AAAC/AAC/ACAR/ AL59/ ACS/ HTLS/ OPGW/ ADSS/ GS Earthwire/ ACS Earthwire) | Slip tests/ Assembly Torque Test | BS 3288 Part 1 |
| 215 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension Clamps/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ Vibration Damper (ACSR / AAAC/AAC/ACAR/ AL59/ ACS/ HTLS/ OPGW/ ADSS/ GS Earthwire/ ACS Earthwire) | Slip tests/ Assembly Torque Test | IEC 61284 |
| 216 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension Clamps/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ Vibration Damper (ACSR / AAAC/AAC/ACAR/ AL59/ ACS/ HTLS/ OPGW/ ADSS/ GS Earthwire/ ACS Earthwire) | Slip tests/ Assembly Torque Test | IS 2121 Part 3 |
| 217 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Suspension Clamps/ Spacer Damper/ Flexible Spacer/ Rigid Spacer/ Vibration Damper (ACSR / AAAC/AAC/ACAR/ AL59/ ACS/ HTLS/ OPGW/ ADSS/ GS Earthwire/ ACS Earthwire) | Slip tests/ Assembly Torque Test | IS 2486 Part 1 |
| 218 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Tension joints and Tension Clamps/ Partial Tension Fittings/ Repair Sleeve (ACSR / AAAC/ AAC/ AL59/ACS/ HTLS/OPGW/ ADSS/GS Earthwire/ACS Earthwire) | Tensile Test/ Failing Load | IS 2121 Part 4 |
| 219 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Vibration Damper (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Attachment of clamp to messenger cable test | IEC 61897 |
| 220 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Vibration Damper (ACSR / AAAC/AAC/ AL59/ACS/HTLS/ OPGW/ADSS/GS Earthwire/ACS Earthwire) | Attachment of Weights to messenger cable/Mass Pull off test | IS 9708 |
| 221 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials (Steel Plates, Al & Al alloy Sheet & Strip, Mild Steel Wire , Al Alloy Wire, EC Grade Al Rod) | Elongation | IS 1608 Part 1 |

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| 222 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials (Steel Plates, Al & Al alloy Sheet & Strip, Mild Steel Wire , Al Alloy Wire, EC Grade Al Rod) | Tensile Strength | IS 1608 Part 1 |
| 223 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials (Steel Plates, Al & Al alloy Sheet & Strip, Mild Steel Wire , Al Alloy Wire, EC Grade Al Rod) | Yield Strength | IS 1608 Part 1 |
| 224 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials (Steel Plates, Rods) | Bend Test | IS 1599 |