



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

INGRESS PROTECTION TESTING LABORATORY, CENTRAL WATER AND POWER RESEARCH STA
KHADAKWASLA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-17142

Page No

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Validity

24/11/2025 to 23/11/2029

Last Amended on

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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 |
|-------------------|--|-------------------------------------|--|--|
| Permanent Testing | | | | |
| 1 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Solid Foreign Objects (IP 1X) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 2 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Solid Foreign Objects (IP 2X) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 3 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Solid Foreign Objects (IP 3X) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 4 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Solid Foreign Objects (IP 4X) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 5 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Solid Foreign Objects (IP 5X) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 6 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Solid Foreign Objects (IP 6X) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 7 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Water (IP X1) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 8 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Water (IP X2) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 9 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Water (IP X3) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 10 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Water (IP X4) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 11 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Water (IP X5) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |

ELECTRICAL-ENVIRONMENTAL TEST FACILITY



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| 12 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Water (IP X6) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 13 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Water (IP X7) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 14 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Water (IP X8) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 15 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electrical Equipment | Degree of Protection Against Water Having High Temperature and Pressure (IP X9) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 16 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Solid Foreign Objects (IP 1X) | IEC 60034-5 |
| 17 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Solid Foreign Objects (IP 2X) | IEC 60034-5 |
| 18 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Solid Foreign Objects (IP 3X) | IEC 60034-5 |
| 19 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Solid Foreign Objects (IP 4X) | IEC 60034-5 |
| 20 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Solid Foreign Objects (IP 5X) | IEC 60034-5 |
| 21 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Solid Foreign Objects (IP 6X) | IEC 60034-5 |
| 22 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Water (IP X1) | IEC 60034-5 |



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| 23 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Water (IP X2) | IEC 60034-5 |
| 24 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Water (IP X3) | IEC 60034-5 |
| 25 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Water (IP X4) | IEC 60034-5 |
| 26 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Water (IP X5) | IEC 60034-5 |
| 27 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Water (IP X6) | IEC 60034-5 |
| 28 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Water (IP X7) | IEC 60034-5 |
| 29 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Water (IP X8) | IEC 60034-5 |
| 30 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Rotating Electrical Machines | Degree of Protection Against Water Having High Temperature and Pressure (IP X9) | IEC 60034-5 |
| 31 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Solid Foreign Objects (IP 2X) | IS 10322 (Part 1) (Clause 9.2) |
| 32 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Solid Foreign Objects (IP 4X) | IS 10322 (Part 1) (Clause 9.2) |
| 33 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Solid Foreign Objects (IP 5X) | IS 10322 (Part 1) (Clause 9.2) |



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| 35 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Water (IP X1) | IS 10322 (Part 1) (Clause 9.2) |
| 36 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Water (IP X2) | IS 10322 (Part 1) (Clause 9.2) |
| 37 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Water (IP X3) | IS 10322 (Part 1) (Clause 9.2) |
| 38 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Water (IP X4) | IS 10322 (Part 1) (Clause 9.2) |
| 39 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Water (IP X5) | IS 10322 (Part 1) (Clause 9.2) |
| 40 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Water (IP X6) | IS 10322 (Part 1) (Clause 9.2) |
| 41 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Water (IP X7) | IS 10322 (Part 1) (Clause 9.2) |
| 42 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Water (IP X8) | IS 10322 (Part 1) (Clause 9.2) |
| 43 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Luminaires | Degree of Protection Against Solid Foreign Objects (IP 3X) | IS 10322 (Part 1) (Clause 9.2) |
| 44 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Solid Foreign Objects (IP 1X) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 45 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Solid Foreign Objects (IP 2X) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |

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| 48 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Solid Foreign Objects (IP 5X) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 49 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Solid Foreign Objects (IP 6X) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 50 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Water (IP X1) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 51 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Water (IP X2) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 52 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Water (IP X3) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 53 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Water (IP X4) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 54 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Water (IP X5) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 55 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Water (IP X6) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 56 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Water (IP X7) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |
| 57 | ELECTRONICS-ENVIRONMENTAL TEST FACILITY | Enclosures for Electronic Equipment | Degree of Protection Against Water (IP X8) | IEC 60529 + AMD.1 + AMD.2 + COR.1 |

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