# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** TRANSFORMER TESTING LAB, PRIME MEIDEN LIMITED, MULTI PRODUCT SEZ, MENAKURU VILLAGE, NAYUDUPETA, SPSR, NELLORE, ANDHRA PRADESH, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-7197 **Page No** 1 of 5

**Validity** 15/05/2020 to 04/04/2022* **Last Amended on** 29/06/2020

*The validity is extended for one year up to 04.04.2023

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| Permanent Facility | | | | |
| 1 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformer | Lightning Impulse Tests (LI,LIC,LIN) | IS 2026 (Part 3, Clause 13.0) |
| 2 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformer | Line Terminal AC Withstand Voltage (LTAC) | IEC 60076 (Part 3) |
| 3 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformer | Operation On Load Tap changers | IEC 60076 (Part 1) |
| 4 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Capacitance & Capacitance winding to earth & between windings & for transformer bushings | IEC 60076 (Part 1) |
| 5 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Capacitance & Capacitance winding to earth & between windings & for transformer bushings | IS 2026 (Part 1, Clause 10.1.3) |
| 6 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Frequency Response Analysis (FRA) | IEC 60076 (Part 18) |
| 7 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Frequency Response Analysis (FRA) | IS 2026 (Part 18) |
| 8 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Induced Voltage Test with Partial Discharge Measurement (IVPD) | IS 2026 (Part 3, Clause 11.3) |
| 9 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Induced Voltage Withstand (IVW) | IEC 60076 (Part 3) |
| 10 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Induced Voltage Withstand test (IVW) | IS 2026 (Part 3, Clause 11.2) |
| 11 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Induced Voltage withstand test with PD Measurement (IVPD) | IEC 60076 (Part 3) |
| 12 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Lightning Impulse along with Chopping on tail | IEC 60076 (Part 3) |
| 13 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Line Terminal AC Withstand Test (LTAC) | IS 2026 (Part 3, Clause 12.0) |
| 14 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Magnetic Balance Test | CBIP Manual, Section-J |
| 15 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Magnetic circuit Isolation check of core-frame, core-tank & frame-tank Insulation | CBIP Manual section - J Cl. 7.5 |

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| 16 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Magnetic circuit Isolation check of core-frame, core-tank & frame-tank Insulation | IEC 60076 (Part 1) |
| 17 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Power taken by Fans & Oil Pumps | IEC 60076 (Part 1) |
| 18 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Power taken by Fans & Oil Pumps | IS 2026 (Part 1, Clause 10.1.3) |
| 19 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Voltage Ratio | IEC 60076 (Part 1) |
| 20 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Dissipation Factor of the insulation system | IEC 60076 (Part 1) |
| 21 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Dissipation Factor of the insulation system | IS 2026 (Part 1, Clause 10.1.3) |
| 22 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Harmonics in No load Current | IS 2026 (Part 1, Clause 10.6) |
| 23 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Insulation Resistance and Polarization Index | IEC 60076 (Part 1) |
| 24 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Insulation Resistance and Polarization Index | IS 2026 (Part 1, Clause 10.1.3) |
| 25 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Load Loss | IEC 60076 (Part 1) |
| 26 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Load Loss | IS 2026 (Part 1, Clause 10.4) |
| 27 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Magnetizing Current | CBIP Manual, Section J |
| 28 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of No Load Current | IEC 60076 (Part 1) |
| 29 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of No Load Current | IS 2026 (Part 1, Clause 10.5) |
| 30 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of No Load Loss | IEC 60076 (Part 1) |
| 31 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of No Load Loss | IS 2026 (Part 1, Clause 10.5) |
| 32 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Noise level | IEC 60076 (Part 10) |

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| 33 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Noise Level | IS 2026 (Part 10) |
| 34 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Short Circuit Impedance | IEC 60076 (Part 1) |
| 35 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power transformers | Measurement of Short Circuit Impedance | IS 2026 (Part 1, Clause 10.4) |
| 36 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Voltage Ratio | IS 2026 (Part 1, Clause 10.3) |
| 37 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Winding Resistance | IEC 60076 (Part 1) |
| 38 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Winding Resistance | IS 2026 (Part 1, Clause 10.2) |
| 39 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Zero Sequence Impedance on three phase transformer | IEC 60076 (Part 1) |
| 40 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Measurement of Zero Sequence Impedance on three phase transformer | IS 2026 (Part 1, Clause 10.7) |
| 41 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Operation of On Load Tap Changers | IS 2026 (Part 1, Clause 10.8) |
| 42 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Separate Source Voltage Withstand Applied Voltage | IEC 60076 (Part 3) |
| 43 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Separate Source Voltage Withstand test (Applied Voltage Test) | IS 2026 (Part 3, Clause 10) |
| 44 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Switching Impulse withstand test | IEC 60076 (Part 3) |
| 45 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Switching Impulse withstand test | IS 2026 (Part 3, Clause 14) |
| 46 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Temperature rise test | IEC 60076 (Part 2) |
| 47 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Temperature rise test | IS 2026 (Part 2) |
| 48 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Transient voltage transfer characteristics | IEC 60076 (Part 3) |
| 49 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Transient voltage transfer characteristics | IS 2026 (Part 3, Annex B) |

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| 50 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Verification of voltage Vector Relationship Polarity | IEC 60076 (Part 1) |
| 51 | ELECTRICAL- INDUCTORS & TRANSFORMERS | Power Transformers | Verification of voltage Vector Relationship Polarity | IS 2026 (Part 1, Clause 10.3) |
| 52 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulating Oil | Dissolved gas Analysis Gases - C2H2 | IEC 60567 |
| 53 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulating Oil | Dissolved gas Analysis Gases - C2H4 | IEC 60567 |
| 54 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulating Oil | Dissolved gas Analysis Gases - C2H6 | IEC 60567 |
| 55 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulating Oil | Dissolved gas Analysis Gases - CH4 | IEC 60567 |
| 56 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulating Oil | Dissolved gas Analysis Gases - CO | IEC 60567 |
| 57 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulating Oil | Dissolved gas Analysis Gases - CO2 | IEC 60567 |
| 58 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulating Oil | Dissolved gas Analysis Gases- H2 | IEC 60567 |
| 59 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulating Oil | Measurement of Oil BDV | IEC 60156 |
| 60 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulating Oil | Measurement of Oil BDV | IS 6792 |
| 61 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulating Oil | Measurement of Oil moisture content | IS 13567 |
| 62 | ELECTRICAL- INSULATING MATERIALS & INSULATORS | New Insulation Oil | Measurement of Oil moisture content | IEC 60814 |
| 63 | ELECTRICAL- MAGNETIC MATERIALS | CRGO STEEL | Specific Core Loss Test | IS 649 |

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| 64 | ELECTRICAL- MAGNETIC MATERIALS | CRGO STEEL | Surface Insulation Resistance Test | IS 649 |
| 65 | ELECTRICAL- MAGNETIC MATERIALS | CRGO STEEL | Magnetic Polarisation at Field Strength of 800 AT/m & 50 Hz | IS 649 |
| 66 | ELECTRICAL- MAGNETIC MATERIALS | CRGO STEEL | Specific Core Loss measurement after Accelerated Ageing Test | IS 649 |
| 67 | ELECTRICAL- MAGNETIC MATERIALS | CRGO STEEL | Stacking Factor Measurment | IS 649 |