National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORIES (UNITS: 03, 04, 09, 10, 11 & 15), TOSHIBA TRANSMISSION & DISTRIBUTION SYSTEMS (INDIA) PRIVATE LIMITED, RUDRARAM VILLAGE, PATANCHERU MANDAL, SANGAREDDY DISTRICT, HYDERABAD, TELANGANA, 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
Permanent Facility				
1	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled / Paper covered winding wires	Dimensional check	IEC 60851 (Part 2)
2	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled / Paper covered winding wires	Dimensional check	IS 13778 (Part 2)
3	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled / Paper covered winding wires	Elongation Test	IEC 60851 (Part 3)
4	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled / Paper covered winding wires	Elongation Test	IS 13778 (Part 3)
5	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled / Paper covered winding wires	Measurement of Electrical Resistivity	IEC 60851 (Part 5)
6	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled / Paper covered winding wires	Measurement of Electrical Resistivity	IS 13778 (Part 5)
7	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled / Paper covered winding wires	Rounding of Corners	IEC 60851 (Part 2)
8	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled / Paper covered winding wires	Rounding of Corners	IS 13778 (Part 2)
9	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Appearance test	IEC 60317-0-1
10	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Appearance test	IEC 60317-0-2
11	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Appearance test	IEC 60317-0-9
12	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Appearance test	IS 13730 (Part0/Sec2)
13	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Appearance test	IS 13730 (Part0/Sec3)

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14	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Apperance test	IS 13730 (Part0/Sec1)
15	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Proof strength	IEC 60851-3
16	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Proof strength	ISO 6892-1
17	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Resistance to solvent	IEC 60851-4
18	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Resistance to solvent	IS 13778 (Part 4)
19	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Tensile strength	IEC 60851-3
20	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled Winding wires	Tensile strength	IS 13778 (Part 3)
21	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Beakdown voltage	IEC 60851 (Part 5)
22	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Beakdown voltage test	IS 13778 (Part 5)
23	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Cut Through Test	IEC 60851 (Part 6)
24	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Cut Through Test	IS 13778 (Part 6)
25	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Flexibility and adherence Test	IEC 60851 (Part 3)
26	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Flexibility and adherence Test	IS 13778 (Part 3)
27	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Heat Shock Test	IEC 60851 (Part 6)

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28	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Heat Shock Test	IS 13778 (Part 6)
29	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Peel / Jerk Test	IEC 60851 (Part 3)
30	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Peel / Jerk Test	IS 13778 (Part 3)
31	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Pin Hole Test (Continuity of Insulation)	IEC 60851 (Part 5)
32	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Pin Hole Test (Continuity of Insulation)	IS 13778 (Part 5)
33	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Resistance to abrasion	IEC 60851 (Part 3)
34	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Resistance to abrasion	IS 13778 (Part 3)
35	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Springiness Test	IEC 60851 (Part 3)
36	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Enameled winding wires	Springiness Test	IS 13778 (Part 3)
37	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Paper Covered Winding wires	Appearance test	IS 13730 (Part27)
38	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Paper Covered Winding wires	Arrangement of layers	IS 6162 (Part1)
39	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Paper Covered Winding wires	Arrangement of layers	IS 6162 (Part2)
40	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Paper Covered Winding wires	Arrangement of layers	IS 7404 (Part1)
41	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 2 MVA, Up to 36 kV Class)	Full/Chopped wave Lightning Impulse Voltage Withstand test	IEC 60076 (Part 11)

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42	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 2 MVA, Up to 36 kV Class)	Full/Chopped wave Lightning Impulse Voltage Withstand test	IS 11171
43	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Induced Over Voltage withstand Test (or) Induced Voltage withstand Test	IEC 60076 (Part 11)
44	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Induced Over Voltage withstand Test (or) Induced Voltage withstand Test	IS 11171
45	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of sound level	IS 11171
46	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of Insulation Resistance	IS 11171
47	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of No load loss and No load current	IEC 60076 (Part 11)
48	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of No load loss and No load current	IS 11171
49	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of short-circuit Impedance and Load loss	IEC 60076 (Part 11)
50	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of short-circuit Impedance and Load loss	IS 11171
51	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of voltage ratio and check of phase displacement	IEC 60076 (Part 11)
52	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of voltage ratio and check of phase displacement	IS 11171
53	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of Winding Resistance	IEC 60076 (Part 11)
54	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of Winding Resistance	IS 11171
55	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of Zero Sequence Impedance	IEC 60076 (Part 11)
56	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Measurement of Zero Sequence Impedance	IS 11171
57	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Separate Source Voltage Withstand Test (Or) Applied Voltage Test	IEC 60076 (Part 11)
58	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Separate Source Voltage Withstand Test (Or) Applied Voltage Test	IS 11171

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59	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Temperature Rise Test	IEC 60076 (Part 11)
60	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Temperature Rise Test	IS 11171
61	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Vector Group Verification	IEC 60076 (Part 11)
62	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (25 kVA to 8 MVA, Up to 36 kV Class)	Vector Group Verification	IS 11171
63	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (5 kVA to 3333 kVA, Up to 33 kV Class, Single phase)	Polarity Test	IEC 60076 (Part 11)
64	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (5 kVA to 3333 kVA, Up to 33 kV Class, Single phase)	Polarity test	IS 11171
65	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (5 kVA to 8 MVA, Up to 36 kV Class)	Partial Discharge Measurement	IEC 60076 (Part 11)
66	ELECTRICAL- INDUCTORS & TRANSFORMERS	Dry Type Transformers (5 kVA to 8 MVA, Up to 36 kV Class)	Partial Discharge Measurement	IS 11171
67	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 420 kV-3phase	Measurement of Zero Sequence Impedance	IEC 60076 (Part 1)
68	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 420 kV-3phase	Measurement of Zero Sequence Impedance	IS 2026 (Part 1)
69	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 420 kV-3phase	Vector Group Verification	CBIP Manual on Transformers Publication No-317
70	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 420 kV-3phase	Vector Group Verification	IEC 60076 (Part 1)
71	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 420 kV-3phase	Vector Group Verification	IS 2026 (Part 1)
72	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase	Polarity Test	CBIP Manual on Transformers Publication No-317
73	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase	Polarity test	IEC 60076 (Part 1)
74	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase	Polarity Test	IS 2026 (Part 1)
75	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Applied Voltage test	IEC 60076 (Part 3)
76	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Applied Voltage test	IS 2026 (Part 3)
77	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Auxiliary wiring insulation test (AuxW)	IEC 60076 (Part 3)

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78	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Auxiliary wiring insulation test (AuxW)	IS 2026 (Part 3)
79	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Check of Core to Frame insulation for liquid immersed transformers	CBIP Manual on Transformers Publication No-317
80	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Check of Core to Frame insulation for liquid immersed transformers	IEC 60076 (Part 1)
81	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Check of Ratio, Polarity, kneepoint voltage, magnetizing current and winding resistance of built-in current transformers	IEC 60076 (Part 3)
82	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Determination capacitances windings to earth and between windings and Transformer Bushings	CBIP Manual on Transformers Publication No-317
83	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Determination of capacitances windings-to-earth and between windings	IEC 60076 (Part 1)
84	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Determination of capacitances windings-to-earth and between windings	IS 2026 (Part 1)
85	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Determination of transient voltage transfer characteristics	IEC 60076 (Part 3)
86	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Determination of transient Voltage transfer characteristics / Transfer Surge Voltage measurement	IS 2026 (Part 3)
87	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Full wave lightning impulse test for the line / Neutral terminals / Chopped wave Lightning Impulse test on line terminal	IEC 60076 (Part 3)
88	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Full wave lightning impulse test for the line / Neutral terminals / Chopped wave Lightning Impulse test on line terminal	IS 2026 (Part 3)

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89	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Induced Over voltage Withstand Test or Induced voltage Withstand Test (IVW) (or) Line terminal AC withstand test (LTAC)	IEC 60076 (Part 3)
90	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Induced Over voltage Withstand Test or Induced voltage Withstand Test (IVW) (or) Line terminal AC withstand test (LTAC)	IS 2026 (Part 3)
91	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Low voltage Short circuit impedance	CBIP Manual on Transformers Publication No-317:
92	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Magnetic Balance Test	CBIP Manual on Transformers Publication No-317
93	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Magnetizing Current at Low voltage	CBIP Manual on Transformers Publication No-317
94	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of No Load Loss and Current	IEC 60076 (Part 1)
95	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of No Load Loss and Current	IS 2026 (Part 1)
96	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Acoustic Noise Level	IEC 60076 (Part 10)
97	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Acoustic Noise Level	IS 2026 (Part 10)
98	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of d.c. insulation resistance each winding to earth and between windings & Polarization Index	CBIP Manual on Transformers Publication No-317
99	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of d.c. insulation resistance each winding to earth and between windings & Polarization Index	IEC 60076 (Part 1)
100	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of d.c. insulation resistance each winding to earth and between windings & Polarization Index	IS 2026 (Part 1)
101	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of dissipation factor (tan d) of the insulation system capacitances	CBIP Manual on Transformers Publication No-317
102	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of dissipation factor (tan d) of the insulation system capacitances	IEC 60076 (Part 1)

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103	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of dissipation factor (tan d) of the insulation system capacitances	IS 2026 (Part 1)
104	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Harmonics of No-Load Current	IS 2026 (Part 1)
105	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Power Taken by Fans and liquid Pump Motors	IEC 60076 (Part 1)
106	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Power Taken by Fans and liquid Pump Motors	IS 2026 (Part 1)
107	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Short Circuit Impedance and Load Loss	IEC 60076 (Part 1)
108	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Short Circuit Impedance and Load Loss	IS 2026 (Part 1)
109	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Voltage Ratio and Phase displacement	IEC 60076 (Part 1)
110	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Voltage Ratio and Phase displacement	IS 2026 (Part 1)
111	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Winding Resistance	IEC 60076 (Part 1)
112	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Measurement of Winding Resistance	IS 2026 (Part 1)
113	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Oil in Gas analysis/DGA of transformer oil	IEC 60567
114	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Partial Discharge(IVPD)	IEC 60076 (Part 3)
115	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Partial Discharge(IVPD)	IS 2026 (Part 3)
116	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Sweep Frequency Response Analysis	IEC 60076 (Part 18)
117	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Switching Impulse Voltage Withstand Test	IEC 60076 (Part 3)
118	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Switching Impulse Voltage Withstand Test	IS 2026 (Part 3)
119	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Temperature Rise Test	IEC 60076 (Part 2)
120	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Temperature Rise Test	IS 2026 (Part 2)

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121	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Tests on On-Load Tap Changers	IEC 60076 (Part 1)
122	ELECTRICAL- INDUCTORS & TRANSFORMERS	EHV/UHV Power Transformers up to 500 MVA, 765 kV-1phase / 420 kV-3phase	Tests on On-Load Tap Changers	IS 2026 (Part 1)
123	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Distribution Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of voltage ratio and check of phase displacement	EN 60076 (Part 1)
124	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Distribution Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of voltage ratio and check of phase displacement	IEEE C57.12.90
125	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 100 kVA, Up to 11 kV Class)	Short Circuit withstand Test	EN 60076 (Part 5)
126	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 100 kVA, Up to 11 kV Class)	Short Circuit withstand Test	IEC 60076 (Part 5)
127	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 100 kVA, Up to 11 kV Class)	Short Circuit withstand Test	IEEE C57.12.90
128	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 100 kVA, Up to 11 kV Class)	Short Circuit withstand Test	IS 2026 (Part 5)
129	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2 MVA, Up to 36 kV Class)	Full/Chopped wave Lightning Impulse Voltage Withstand test	IEEE C57.12.90
130	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Air Pressure Test	IS 1180 (Part 1)
131	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Induced Over Voltage withstand Test (or) Induced Voltage withstand Test	IS 1180 (Part 1)
132	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Measurement of Insulation Resistance	IS 1180 (Part 1)
133	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Measurement of No load loss and No load current	IS 1180 (Part 1)
134	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Measurement of short-circuit Impedance and Load loss	IS 1180 (Part 1)
135	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Measurement of voltage ratio and check of phase displacement	IS 1180 (Part 1)
136	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Measurement of Winding Resistance	IS 1180 (Part 1)
137	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Separate Source Voltage Withstand Test (Or) Applied Voltage Test	IS 1180 (Part 1)

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138	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Temperature Rise Test	IS 1180 (Part 1)
139	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Vacuum Test	IS 1180 (Part 1)
140	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 33 kV Class)	Vector Group Verification	IS 1180 (Part 1)
141	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 2.5 MVA, Up to 36 kV Class)	Permissible Flux Density and Over fluxing	IS 1180 (Part 1)
142	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Accelerated Ageing Test	IS 3024
143	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Accelerated Ageing Test	IS 649
144	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Air Pressure Test	CBIP Manual on Transformers Publication No-317
145	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Air Pressure Test	IEC 60076 (Part 1)
146	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Check of Core and Frame Insulation	EN 60076 (Part 1)
147	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Check of Core and Frame Insulation	IEC 60076 (Part 1)
148	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Check of Core and Frame Insulation	IS 2026 (Part 1)
149	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Check of Polarity of Built-In Current transformers	EN 60076 (Part 1)
150	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Check of Polarity of Built-In Current transformers	IS 2026 (Part 1)
151	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Check of Ratio of Built-In Current transformers	EN 60076 (Part 1)
152	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Check of Ratio of Built-In Current transformers	IEC 60076 (Part 1)
153	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Determination of capacitances windings-to-earth, and between windings	EN 60076 (Part 1)
154	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Determination of capacitances windings-to-earth, and between windings	IEC 60076 (Part 1)
155	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Determination of capacitances windings-to-earth, and between windings	IS 2026 (Part 1)

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156	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Determination of capacitances windings-to-earth, and between windings.	IEEE C57.12.90
157	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Determination of polarization Index and Absorption Index	CBIP Manual on TransformersPublication No-317
158	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Ductility Test [Bend Test]	IS 3024
159	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Ductility Test [Bend Test]	IS 649
160	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Frequency response Analysis	EN 60076 (Part 18)
161	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Frequency response Analysis	IEC 60076 (Part 18)
162	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Frequency response Analysis	IS 2026 (Part 18)
163	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Induced Over Voltage withstand Test (or) Induced Voltage withstand Test	EN 60076 (Part 3)
164	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Induced Over Voltage withstand Test (or) Induced Voltage withstand Test	IEC 60076 (Part 3)
165	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Induced Over Voltage withstand Test (or) Induced Voltage withstand Test	IEEE C57.12.90
166	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Induced Over Voltage withstand Test (or) Induced Voltage withstand Test	IS 2026 (Part 3)
167	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Induced voltage with Partial discharge Measurment	EN 60076 (Part 3)
168	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Induced voltage with Partial discharge Measurment	IEC 60076 (Part 3)
169	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Induced voltage with Partial discharge Measurment	IS 2026 (Part 3)
170	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Insulation of Auxiliary Wiring	EN 60076 (Part 1)
171	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Insulation of Auxiliary Wiring	IEC 60076 (Part 1)
172	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Insulation of Auxiliary Wiring	IS 2026 (Part 1)

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173	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Magnetic balance test	CBIP Manual on Transformers Publication No-317
174	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Magnetic Polarization	IS 3024
175	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Magnetic Polarization	IS 649
176	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of dissipation factor (tan delta) of the insulation system capacitances	EN 60076 (Part 1)
177	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of dissipation factor (tan delta) of the insulation system capacitances	IEC 60076 (Part 1)
178	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of dissipation factor (tan delta) of the insulation system capacitances	IEEE C57.12.90
179	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of dissipation factor (tan delta) of the insulation system capacitances	IS 2026 (Part 1)
180	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Harmonics of No load current	IS 2026 (Part 1)
181	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Insulation Resistance	EN 60076 (Part 1)
182	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Insulation Resistance	IEC: 60076 (Part 1)
183	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Insulation Resistance	IEEE C57.12.90
184	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Insulation Resistance	IS 2026 (Part 1)
185	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of magnetization current at Low voltage	CBIP Manual on Transformers Publication No-317
186	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of No load loss and No load current	EN 60076 (Part 1)
187	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of No load loss and No load current	IEC 60076 (Part 1)
188	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of No load loss and No load current	IEEE C57.12.90
189	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of No load loss and No load current	IS 2026 (Part 1)

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190	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Power taken fans	EN 60076 (Part 1)
191	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Power taken fans	IEC 60076 (Part 1)
192	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Power taken fans	IS 2026 (Part 1)
193	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of short-circuit Impedance and Load loss	EN 60076 (Part 1)
194	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of short-circuit Impedance and Load loss	IEC 60076 (Part 1)
195	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of short-circuit Impedance and Load loss	IEEE C57.12.90
196	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of short-circuit Impedance and Load loss	IS 2026 (Part 1)
197	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of sound level	EN 60076 (Part 10)
198	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of sound level	IEC 60076 (Part 10)
199	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of sound level	IEEE C57.12.90
200	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of sound level	IS 2026 (Part 10)
201	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Unbalance Current	CBIP Manual on Transformers Publication No-317
202	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of voltage ratio and check of phase displacement	IEC 60076 (Part 1)
203	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of voltage ratio and check of phase displacement	IS 2026 (Part 1)
204	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of voltage ratio and check of phase displacement	EN 60076 (Part 1)
205	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Winding Resistance	EN 60076 (Part 1)
206	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Winding Resistance	IEC 60076 (Part 1)
207	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Winding Resistance	IEEE C57.12.90

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208	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Winding Resistance	IS 2026 (Part 1)
209	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Zero Sequence Impedance	EN 60076 (Part 1)
210	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Zero Sequence Impedance	IEC 60076 (Part 1)
211	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Zero Sequence Impedance	IEEE C57.12.90
212	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Measurement of Zero Sequence Impedance	IS 2026 (Part 1)
213	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Permeability	IS 3024
214	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Permeability	IS 649
215	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Permissible Flux Density and Over fluxing	IEC 60076 (Part 1)
216	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Permissible Flux Density and Over fluxing	IS 2026 (Part 1)
217	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Separate Source Voltage Withstand Test (Or) Applied Voltage Test	EN 60076 (Part 3)
218	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Separate Source Voltage Withstand Test (Or) Applied Voltage Test	IEC 60076 (Part 3)
219	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Separate Source Voltage Withstand Test (Or) Applied Voltage Test	IEEE C57.12.90
220	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Separate Source Voltage Withstand Test (Or) Applied Voltage Test	IS 2026 (Part 3)
221	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Specific Core Loss Measurement	IS 3024
222	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Specific Core Loss Measurement	IS 649
223	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Stacking Factor	IS 3024
224	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Stacking Factor	IS 649

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225	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Temperature Rise Test	EN 60076 (Part 2)
226	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Temperature Rise Test	IEC 60076 (Part 2)
227	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Temperature Rise Test	IEEE C57.12.90
228	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Temperature Rise Test	IS 2026 (Part 2)
229	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Tests on On Load Tap Changers	IEC 60076 (Part 1)
230	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Tests on On Load Tap Changers	IS 2026 (Part 1)
231	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Unbalance Current Measurement	CBIP Manual on Transformers Publication No-317
232	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Vacuum Test	CBIP Manual on Transformers Publication No-317
233	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Vacuum Test	IEC 60076 (Part 1)
234	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Vector Group Verification	EN 60076 (Part 1)
235	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Vector Group Verification	IEC 60076 (Part 1)
236	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Vector Group Verification	IEEE C57.12.90
237	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 28 MVA, Up to 72.5 kV Class)	Vector Group Verification	IS 2026 (Part 1)
238	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 3333 kVA, Up to 33 kV Class, Single phase)	Polarity Test	EN 60076 (Part 1)
239	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 3333 kVA, Up to 33 kV Class, Single phase)	Polarity Test	IEC 60076 (Part 1)
240	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 3333 kVA, Up to 33 kV Class, Single phase)	Polarity Test	IEEE C57.12.90
241	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 3333 kVA, Up to 33 kV Class, Single phase)	Polarity Test	IS 1180 (Part 1)
242	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 3333 kVA, Up to 33 kV Class, Single phase)	Polarity Test	IS 2026 (Part 1)
243	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 40 MVA, Up to 72.5 kV Class)	Full/Chopped wave Lightning Impulse Voltage Withstand test	EN 60076 (Part 3)

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244	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 40 MVA, Up to 72.5 kV Class)	Full/Chopped wave Lightning Impulse Voltage Withstand test	IEC 60076 (Part 3)
245	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 40 MVA, Up to 72.5 kV Class)	Full/Chopped wave Lightning Impulse Voltage Withstand test	IS 2026 (Part 3)
246	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Density	IS 1448 (Part 16)
247	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Density	ISO 3675
248	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Electric Strength (BDV)	ASTM D 877
249	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Electric Strength (BDV)	IEC 60156
250	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Electric Strength (BDV)	IS 6792
251	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Interfacial Tension	ASTM D971
252	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Kinematic Viscosity @ 40 deg C	IS 1448 (Part 25)
253	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Kinematic Viscosity @ 40 deg C	ASTM D 445
254	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Neutralization Value	IEC 62021 (Part 1)
255	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Neutralization Value	ASTM D 974
256	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	PCB Content	ASTM D 4059
257	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	PCB Content	IEC 61619

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258	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	PCB Content	IS 16082
259	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Water Content	IEC 60814
260	ELECTRICAL- INSULATING MATERIALS & INSULATORS	New Insulating Oils and Mineral Insulating Oil in the Equipment	Water Content	ASTM D 445
261	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Bushings (66 kV to 420kV class	Visual inspection and dimensional check	IEC-60137
262	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Bushings (66 kV to 420kV class)	Measurement of partial discharge	IEC-60137
263	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Bushings (66 kV to 420kV class)	Tightness Tests	IEC-60137
264	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Bushings (66 kV to 420kV class)	Dry power-frequency voltage withstand test	IEC-60137
265	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Bushings (66 kV to 420 kV class)	Measurement of the resistance of the main circuit	IEC-60137
266	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (Circuit Breaker)- M2 class	IEC 62271-100
267	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (Circuit Breaker)- M2 class	"IEC 62271-100
268	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (Circuit Breaker)- M2 class	IEC 62271-100
269	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (Circuit Breaker)- M2 class	IEC 62271-100
270	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (Circuit Breaker)- M2 class	IEC 62271-100
271	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (Circuit Breaker)- M2 class	IEC 62271-100

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272	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (Circuit Breaker)- M2 class	IEC 62271-100
273	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (Circuit Breaker)- M2 class	IEC 62271-100
274	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (DS/ES (H-ES)) -- M2 class	IEC 62271-102
275	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (DS/ES (H-ES)) -- M2 class	IEC 62271-102
276	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (DS/ES (H-ES)) -- M2 class	IEC 62271-102
277	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (DS/ES (H-ES)) -- M2 class	IEC 62271-102
278	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class))	Dielectric test on the main circuit	IEC 62271 - 203
279	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Design and visual checks	IEC 62271- 203
280	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Measurement of the resistance of the main circuit	IEC 62271 - 203
281	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Mechanical operating tests (Circuit Breaker)	IEC 62271 - 100
282	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Mechanical operating tests (Circuit Breaker)	IEC 62271- 100
283	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV Class)	Mechanical operating tests (Circuit Breaker)- M2 class	IEC 62271-100
284	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Mechanical operating tests (Circuit Breaker)	IEC 62271 - 100
285	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Mechanical operating tests (Circuit Breaker)	IEC 62271 - 100

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286	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Mechanical operating tests (Circuit Breaker)	IEC 62271- 100
287	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Mechanical operating tests (DS/ES (H-ES))	IEC 62271 - 102
288	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Mechanical operating tests (DS/ES (H-ES))	IEC 62271- 102
289	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Mechanical operating tests (DS/ES (H-ES))	IEC 62271 - 102
290	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Mechanical operating tests (Circuit Breaker)	IEC 62271- 100
291	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Partial discharge measurement	IEC 62271- 203
292	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Tests on auxiliary and control circuits	IEC 62271 - 203
293	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class and 420kV class)	Tightness Test	IEC 62271 - 203
294	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Gas Insulated Metal-enclosed Switchgear (145 kV class, 245kV class)	Tests on auxiliary and control circuits	IEC 62271 - 102
295	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Determination of secondary winding resistance (Rct)	IEC 61869 (Part 2)
296	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Inter-turn overvoltage test	IEC 61869 (Part 2)
297	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Inter-turn overvoltage test	IS 16227 (Part 2)

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298	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for accuracy - Ratio Error/Turns Ratio Error	IS 16227 (Part 2)
299	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for accuracy-Composite Error measurement	IEC 61869 (Part 2)
300	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for accuracy-Composite Error measurement	IS 16227 (Part 2)
301	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for accuracy-Instrument Security Factor Test	IEC 61869 (Part 2)
302	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for accuracy-Instrument Security Factor Test	IS 16227 (Part 2)
303	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for accuracy-Phase Displacement	IEC 61869 (Part 2)
304	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for accuracy-Phase Displacement	IS 16227 (Part 2)
305	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for accuracy-Ratio Error/Turns Ratio Error	IEC 61869
306	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for exciting current at Ek	IEC 61869 (Part 2)
307	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for exciting current at Ek	IS 16227 (Part 2)
308	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for rated knee point e.m.f. (Ek)	IEC 61869 (Part 2)

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309	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Test for rated knee point e.m.f. (Ek)	IS 16227 (Part 2)
310	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Verification of markings	IEC 61869 (Part 1)
311	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Verification of markings	IS 16227 (Part 1)
312	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current transformers (System Voltage : 0.72kV/5kV); 25A to 4000A	Verification of markings	IS 16227 (Part 2)

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Site Facility				
1	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 1000 kVA, Up to 36 kV Class)	Measurement of Impedance and Load loss	IEC 60076 (Part 1)
2	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 1000 kVA, Up to 36 kV Class)	Measurement of Impedance and Load loss	IS 2026 (Part 1)
3	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 1000 kVA, Up to 36 kV Class)	Measurement of Insulation Resistance	IEC 60076 (Part 1)
4	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 1000 kVA, Up to 36 kV Class)	Measurement of Insulation Resistance	IS 2026 (Part 1)
5	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 1000 kVA, Up to 36 kV Class)	Measurement of No load loss and No load current	IEC 60076 (Part 1)
6	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 1000 kVA, Up to 36 kV Class)	Measurement of No load loss and No load current	IS 2026 (Part 1)
7	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 1000 kVA, Up to 36 kV Class)	Measurement of Winding Resistance	IEC 60076 (Part 1)
8	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 1000 kVA, Up to 36 kV Class)	Measurement of Winding Resistance	IS 2026 (Part 1)
9	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 1000 kVA, Up to 36 kV Class)	Voltage Ratio test	IEC 60076 (Part 1)
10	ELECTRICAL- INDUCTORS & TRANSFORMERS	Oil Filled Transformers (5 kVA to 1000 kVA, Up to 36 kV Class)	Voltage Ratio test	IS 2026 (Part 1)