



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

NASHIK ENGINEERING CLUSTER

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

"SAHASTRARASHMI", C-10, MIDC AMBAD, NASHIK, MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-5448

Issue Date: 04/05/2020

Valid Until:

11/03/2022

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

NASHIK ENGINEERING CLUSTER, "SAHASTRARASHMI", C-10, MIDC AMBAD, NASHIK,
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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	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Vanadium	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	BS EN 15079



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14	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	BS EN 15079
15	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Arsenic	BS EN 15079
16	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bismuth	BS EN 15079
17	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cobalt	BS EN 15079
18	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079
19	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS EN 15079
20	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079
21	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorous	BS EN 15079
22	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
23	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silver	BS EN 15079
24	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS EN 15079
25	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
26	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Aluminium	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Aluminium	IS 8811



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28	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Carbon	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Carbon	IS 8811
30	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Chromium	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Chromium	IS 8811
32	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Cobalt	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Cobalt	IS 8811
34	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Copper	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Copper	IS 8811
36	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Manganese	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Manganese	IS 8811
38	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Molybdenum	ASTM E 415
39	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Molybdenum	IS 8811
40	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Nickel	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Nickel	IS 8811



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42	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Phosphorous	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Phosphorous	IS 8811
44	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Silicon	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Silicon	IS 8811
46	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Sulphur	ASTM E 415
47	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Sulphur	IS 8811
48	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Tin	ASTM E 415
49	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Tin	IS 8811
50	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Vanadium	ASTM E 415
51	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steel	Vanadium	IS 8811
52	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
54	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
55	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879



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56	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
57	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
62	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
63	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
64	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086
65	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 9879
66	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
67	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
68	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
69	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879



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70	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Dry heat test	IS 9000-3
71	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Classic Shock test	IEC: 60068-2-27
72	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Cold test	IS 9000-2 sec 1-4
73	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Cold test	IEC 60068-3
74	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Cold test	IEC 60068-2-1
75	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Combined Damp heat,cold & vibration test	IEC : 60068-2-6



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76	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Composite temperature/humidity cyclic test	IEC 60068-2-38
77	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Damp heat (Cyclic 12 +12) test	IEC 60068-2-30
78	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Damp heat (cyclic) test	IS 9000-5
79	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Damp heat (steady state) test	IEC 60068-2-78
80	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Damp heat (Steady state) test	IS 9000-4
81	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Dry heat test	IEC 60068-2-2



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82	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Dust test	IEC: 60529
83	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Protection against penetration of Dust	IS 9000 -12
84	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Vibration (Ramdom) test	IEC 60068-2-64
85	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Vibration (sinusoidal) test	IEC 60068-2-6
86	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Vibration test (sinusoidal)	IS 9000-8
87	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Switch gear Products, Automobile Products, Moulds and dies.	Water ingress	IEC:60529



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88	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bus Duct	Dry power frequency voltage withstand test	IEC:62271-201
89	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bus Duct	Lightning impulse voltage withstand test	IEC:62271-201
90	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bus Duct	Lightning impulse voltage withstand test	IEC:62271-201
91	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bus Duct	Lightning impulse voltage withstand test	IEC:62271-201
92	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Dry power frequency voltage withstand test	IEC:60137
93	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Dry power frequency voltage withstand test	IEC:60060-1
94	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Dry power frequency voltage withstand test	IEC:60060-2



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95	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Dry power frequency voltage withstand test	IEC:60060-3
96	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Lightning Impulse voltage test	IEC 60060-1
97	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Lightning Impulse voltage test	IEC 60060-1
98	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	bushing	Lightning Impulse voltage test	IEC 60060-2
99	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Lightning Impulse voltage test	IEC 60060-2
100	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Lightning Impulse voltage test	IEC 60060-2
101	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Lightning Impulse voltage test	IEC 60060-3



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102	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Lightning Impulse voltage test	IEC 60060-3
103	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Lightning Impulse voltage test	IEC 60060-3
104	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Lightning impulse voltage withstand test	IEC 60060-1
105	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Lightning impulse voltage withstand test	IEC:60137
106	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Lightning impulse voltage withstand test	IEC:60137
107	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Partial discharge test	IEC:60060-1
108	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Partial discharge test	IEC:60060-2



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109	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Partial discharge test	IEC:60060-3
110	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Partial discharge test	IEC:60137
111	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Temperature rise test	IEC:60060-1
112	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Temperature rise test	IEC:60060-2
113	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Temperature rise test	IEC:60060-3
114	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushing	Temperature rise test	IEC:60137
115	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Bushings	Lightning impulse voltage withstand test	IEC:60137



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116	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Dry power frequency voltage withstand test	IEC:62271-1
117	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Dry power frequency voltage withstand test	IEC:62271-100
118	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Endurance test	IEC:62271-1
119	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Endurance test	IEC:62271-100
120	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Lightning impulse voltage withstand test	IEC: 62271-1
121	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Lightning impulse voltage withstand test	IEC:62271-1
122	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Lightning impulse voltage withstand test	IEC:62271-1



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123	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Lightning impulse voltage withstand test	IEC:62271-100
124	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Lightning impulse voltage withstand test	IEC:62271-100
125	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Lightning impulse voltage withstand test	IEC:62271-100
126	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Temperature rise test	IEC:62271-1
127	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Circuit Breakers, Vacuum contactor, Vacuum Interrupter	Temperature rise test	IEC:62271-100
128	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A to 3200A//1A-5A, Accuracy class 0.005	Over voltage Inter-turn Test	IS 16227- 2
129	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A to 3200A//1A-5A, Accuracy class 0.005	Verification of Terminal Marking	IEC 61869-2



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130	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A to 3200A//1A-5A, Accuracy class 0.005	Verification of Terminal Marking	IS 16227-1&2
131	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Composite error measurement	IEC:61869-2
132	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Composite error measurement	IS: 16227-2
133	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Dry power frequency voltage withstand test on primary winding	IEC:61869-1&2
134	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Dry power frequency voltage withstand test on primary winding	IS:16227-1&2
135	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Dry power frequency voltage withstand test on secondary winding	IEC:61869-1&2
136	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Dry power frequency voltage withstand test on secondary winding	IS:16227-1&2



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137	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Instrument security factor	IEC:61869-2
138	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Lightning impulse voltage withstand test	IEC:61869-1&2
139	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Lightning impulse voltage withstand test	IS:16227-1&2
140	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Measurement of knee point voltage	IEC:61869-2
141	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Measurement of knee point voltage	IS:16227-2
142	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Power frequency voltage withstand test between section	IEC:61869-1&2
143	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Power frequency voltage withstand test between section	IS:16227-1&2



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144	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Test for accuracy	IEC: 61869-1&2
145	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Test for accuracy	IEC:61869-1 & 2
146	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Test for accuracy	IS:16227-1&2
147	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Test for accuracy	IS:16227-1&2
148	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Instrument security factor	IS:16227-2
149	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Lightning impulse voltage withstand test	IS:16227-1&2
150	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Lightning impulse voltage withstand test	IEC:61869-1&2



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151	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Lightning impulse voltage withstand test	IEC:61869-1&2
152	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Lightning impulse voltage withstand test	IS:16227-1&2
153	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Partial discharge measurement	IS:16227-1&2
154	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Partial discharge measurement.	IEC:61869-1&2
155	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Temperature rise test	IEC:61869-2
156	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Temperature rise test	IS:16227-2
157	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer 5A-3200A//1A-5A Accuracy class 0.005	Over - voltage inter-turn test	IEC:61869-2



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158	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	GIS	Dry power frequency voltage withstand test	IEC:62271-203
159	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	GIS	Lightning impulse voltage withstand test	IEC:62271-203
160	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	GIS	Lightning impulse voltage withstand test	IEC:62271-203
161	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	GIS	Lightning impulse voltage withstand test	IEC:62271-203
162	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T PVC Cable	Dry power frequency voltage withstand test	IS:1554-1
163	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T PVC Cable	Dry power frequency voltage withstand test	IS:1554-2
164	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T PVC Cable	Temperature rise test	IS:1554-1



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165	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T PVC Cable	Temperature rise test	IS:1554-2
166	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Lightning impulse voltage withstand test	IS:7098-2
167	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Dry power frequency voltage withstand test	IEC:60502-2
168	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Dry power frequency voltage withstand test	IS:7098-2
169	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Dry power frequency voltage withstand test	IS:7098-3
170	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Lightning impulse voltage withstand test	IEC:60502-2
171	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Lightning impulse voltage withstand test	IEC:60502-2



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172	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Lightning impulse voltage withstand test	IEC:60502-2
173	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Lightning impulse voltage withstand test	IS: 7098-3
174	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Lightning impulse voltage withstand test	IS:7098-2
175	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Lightning impulse voltage withstand test	IS:7098-2
176	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Lightning impulse voltage withstand test	IS:7098-3
177	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Lightning impulse voltage withstand test	IS:7098-3
178	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Temperature rise test	IEC:60502-2



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179	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Temperature rise test	IS:7098-2
180	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	H.T. XLPE Cable Single / Three Core	Temperature rise test	IS:7098-3
181	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT Panel	Dry power frequency voltage withstand test	IEC:62271-200
182	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT Panel	Lightning impulse voltage withstand test	IEC:62271-200
183	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT Panel	Lightning impulse voltage withstand test	IEC:62271-200
184	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT Panel	Lightning impulse voltage withstand test	IEC:62271-200
185	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT Panel	Temperature rise test	IEC:62271-200



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186	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT PVC Cable	Lightning Impulse voltage test	IS 1554-1
187	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT PVC Cable	Lightning Impulse voltage test	IS 1554-1
188	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT PVC Cable	Lightning Impulse voltage test	IS 1554-2
189	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT PVC Cable	Lightning Impulse voltage test	IS 1554-2
190	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT PVC Cable	Lightning Impulse voltage test	IS 1554-2
191	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HT PVC Cable	Lightning Impulse voltage test	IS 1554-1
192	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulator	Dry power frequency voltage withstand test	IEC:60383-1



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193	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulator	Lightning impulse voltage withstand test	IEC:60383-1
194	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulator	Lightning impulse voltage withstand test	IEC:60383-1
195	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulator	Lightning impulse voltage withstand test	IEC:60383-1
196	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Insulator	Partial discharge test	IEC:60383-1
197	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	LT switches	Dry power frequency voltage withstand test	IEC:60947-2
198	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	LT switches	Lightning impulse voltage withstand test	IEC:60947-2
199	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	LT switches	Lightning impulse voltage withstand test	IEC:60947-2



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200	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	LT switches	Lightning impulse voltage withstand test	IEC:60947-2
201	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Test for accuracy	IS:16227-1&3
202	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Test for accuracy	IS:16227-1&3
203	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Dry power frequency voltage withstand test on secondary winding	IEC:61869-1&3
204	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Dry power frequency voltage withstand test on secondary winding	IS:16227-1&3
205	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Lightning impulse voltage withstand test	IEC: 61869-1&3
206	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Lightning impulse voltage withstand test	IEC:61869-1&3



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207	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Lightning impulse voltage withstand test	IS:16227-1&3
208	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Lightning impulse voltage withstand test	IS:16227-1&3
209	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Lightning impulse voltage withstand test	IS:16227-1&3
210	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Lightning impulse voltage withstand test	IEC: 61869-1&3
211	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Partial discharge measurement	IEC: 61869-1&3
212	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Partial discharge measurement	IS:16227-1&3
213	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Separate source voltage withstand test	IEC:61869-1&3



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214	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Separate source voltage withstand test	IS:16227-1&3
215	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Test for accuracy	IEC:61869-1&3
216	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Test for accuracy	IEC:61869-1&3
217	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Verification of terminal marking and polarity	IEC:61869-1&3
218	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Verification of terminal marking and polarity	IS:16227-1&3
219	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV to 33kV	Power frequency voltage withstand test between section	IEC:61869-1&3
220	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Potential Transformer 3.3kV To 33kV	Power frequency voltage withstand test between section	IS:16227-1&3



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221	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Dry power frequency voltage withstand test	IEC:62271-102
222	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Dry power frequency voltage withstand test	IEC:62271-103
223	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Endurance test	IEC:62271-102
224	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Endurance test	IEC:62271-103
225	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Lightning impulse voltage withstand test	IEC:62271-102
226	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Lightning impulse voltage withstand test	IEC:62271-102
227	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Lightning impulse voltage withstand test	IEC:62271-102



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228	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Lightning impulse voltage withstand test	IEC:62271-103
229	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Lightning impulse voltage withstand test	IEC:62271-103
230	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Lightning impulse voltage withstand test	IEC:62271-103
231	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Temperature rise test	IEC:62271-102
232	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	RMU, Isolator, A. B. Switch	Temperature rise test	IEC:62271-103
233	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Tap changer	Dry power frequency voltage withstand test	IEC:60214-1
234	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Tap changer	Lightning impulse voltage withstand test	IEC:60214-1



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235	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Tap changer	Lightning impulse voltage withstand test	IEC:60214-1
236	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Tap changer	Lightning impulse voltage withstand test	IEC:60214-1
237	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Micro Vickers hardness (HV 0.5)	IS 1501 (Part 1)
238	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & Products	Micro Vickers Hardness (HV 0.1)	IS 1501 (Part 1)
239	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & Products	Micro Vickers Hardness (HV 0.1)	ASTM E 384
240	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials,alloys & Products	Micro Vickers hardness (HV 0.5)	ASTM E 384