National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GLOBAL ELECTRICAL LABORATORY, 302, SUN ENCLAVE, MANJALPUR, VADODARA, GUJARAT, 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- INSULATING MATERIALS & INSULATORS	Transformer Oils	COLOUR	IEC 60422
2	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	APPEARANCE	IEC 60422
3	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	APPEARANCE	IEC 61099
4	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	APPEARANCE	IEC 61203
5	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	APPEARANCE	IEC 62770
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	APPEARANCE	IS 16081
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	APPEARANCE	IS 16099
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	APPEARANCE	IS 16659
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	APPEARANCE	IS 1866
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	APPEARANCE	IS 335
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	COLOUR	ASTM D1500
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	COLOUR	IS 1448(PART 12)
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	COLOUR	IS 1866

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14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	COLOUR	ISO 2049
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	COMPATIBILITY	ASTM D3455
16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	CORROSIVE SULPHUR	ASTM D1275
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	CORROSIVE SULPHUR	IEC 62535
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	CORROSIVE SULPHUR	IEC 62770
19	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	CORROSIVE SULPHUR	IS 16310
20	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	CORROSIVE SULPHUR	IS 16659
21	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	CORROSIVE SULPHUR	IS 1866
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oils	DEGREE OF POLYMERISATION	ASTM D4243
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DEGREE OF POLYMERISATION	IEC 60450
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	IEC 60422
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	IEC 61099
26	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	IEC 61203
27	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	IEC 62770

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28	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	IS 1448(PART 16)
29	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	IS 16081
30	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	IS 16099
31	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	IS 16659
32	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	IS 1866
33	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	IS 335
34	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DENSITY	ISO 3675
35	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IEC 60247
36	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IEC 60422
37	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IEC 61203
38	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IEC 62770
39	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IES 61099
40	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IS 16081
41	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IS 16099

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42	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IS 16659
43	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IS 16659
44	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IS 1866
45	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IS 335
46	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IS 6262
47	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC DISSIPATION FACTOR	IEC 62770
48	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DISSOLVED GAS ANALYSIS(H2,O2,N2,CO,CO2,CH4,C2H4,C2H6,C2H2,PROPENE+PROPYLENE)	IEC 60567
49	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DISSOLVED GAS ANALYSIS(H2,O2,N2,CO,CO2,CH4,C2H4,C2H6,C2H2,PROPENE+PROPYLENE)	IEC 60599
50	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DISSOLVED GAS ANALYSIS(H2,O2,N2,CO,CO2,CH4,C2H4,C2H6,C2H2,PROPENE+PROPYLENE)	IS 10593
51	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DISSOLVED GAS ANALYSIS(H2,O2,N2,CO,CO2,CH4,C2H4,C2H6,C2H2,PROPENE+PROPYLENE)	IS 16785
52	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DISSOLVED GAS ANALYSIS(H2,O2,N2,CO,CO2,CH4,C2H4,C2H6,C2H2,PROPENE+PROPYLENE)	IS 9434
53	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IEC 60156

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54	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IEC 60422
55	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IEC 61099
56	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IEC 61203
57	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IEC 62770
58	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IS 16081
59	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IS 16099
60	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IS 16659
61	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IS 1866
62	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IS 335
63	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	ELECTRICAL STRENGTH (BREAKDOWN VOLTAGE)	IS 6792
64	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Fire Point	IEC 61099
65	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Fire Point	IEC 61203
66	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Fire Point	IEC 62770
67	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Fire Point	IEC 62770

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68	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Fire Point	IS 1448 (PART 69)
69	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Fire Point	IS 16081
70	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Fire Point	IS 16099
71	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Fire Point	IS 16659
72	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Fire Point	ISO 2592
73	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash Point	IEC 60422
74	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash Point	IEC 61099
75	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash Point	IEC 61203
76	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash Point	IEC 62770
77	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash Point	IS 1448(PART-21)
78	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash Point	IS 16081
79	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash Point	IS 16099
80	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash Point	IS 16659
81	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash Point	IS 1866

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82	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oils	Flash Point	IS 335
83	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash Point	ISO 2719
84	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	FURAN CONTENT	ASTM D5837
85	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	FURAN CONTENT	IEC 61198
86	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	FURAN CONTENT	IS 15668
87	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	INTER FACIAL TENSION	IEC 60422
88	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	INTER FACIAL TENSION	IS 1866
89	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	INTER FACIAL TENSION	IS 6104
90	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	INTERFACIAL TENSION	IS 335
91	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IEC 60422
92	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IEC 61099
93	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IEC 61203
94	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IEC 62770
95	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IS 1448(PART-25)

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96	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IS 1448:PART-25:SEC 1
97	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IS 16081
98	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IS 16099
99	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IS 16659
100	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IS 1866
101	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	IS 335
102	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	KINEMATIC VISCOSITY	ISO 3104
103	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IEC 60422
104	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IEC 61099
105	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IEC 61203
106	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IEC 62021(PART 1)
107	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IEC 62021(PART 3)
108	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IEC 62021(PART-2)
109	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IEC 62770

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110	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IS 1448(PART 2)
111	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IS 16081
112	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IS 16099
113	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IS 16659
114	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IS 1866
115	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	NEUTRALISATION VALUE	IS 335
116	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	POUR POINT	IEC 60422
117	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	POUR POINT	IEC 61099
118	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	POUR POINT	IEC 62770
119	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	POUR POINT	IS 1448(PART 10) SECTION 2
120	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	POUR POINT	IS 16081
121	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	POUR POINT	IS 16659
122	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	POUR POINT	IS 1866
123	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	POUR POINT	IS 335

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124	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	POUR POINT	ISO 3016
125	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SEDIMENT AND SLUDGE	IEC 60422
126	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SEDIMENT AND SLUDGE	IS 1866
127	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SEDIMENT AND SLUDGE	IS 335
128	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SPECIFIC RESISTANCE(RESISTIVITY)	IEC 60247
129	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SPECIFIC RESISTANCE(RESISTIVITY)	IEC 60422
130	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SPECIFIC RESISTANCE(RESISTIVITY)	IEC 61099
131	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SPECIFIC RESISTANCE(RESISTIVITY)	IEC 61203
132	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SPECIFIC RESISTANCE(RESISTIVITY)	IS 16081
133	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SPECIFIC RESISTANCE(RESISTIVITY)	IS 16099
134	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SPECIFIC RESISTANCE(RESISTIVITY)	IS 1866
135	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SPECIFIC RESISTANCE(RESISTIVITY)	IS 335
136	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	SPECIFIC RESISTANCE(RESISTIVITY)	IS 6103
137	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IEC 60422

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138	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IEC 60814
139	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IEC 61099
140	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IEC 61203
141	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IEC 62770
142	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IS 13567
143	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IS 16081
144	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IS 16099
145	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IS 16659
146	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IS 1866
147	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IS 335