National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SPECIALISED TESTING LABORATORY, POWER GRID CORPORATION OF INDIA LIMITED, 400 / 220 KV SUB-STATION, ALWAR BYE PASS ROAD, POST - KHIJURIWAS, BHIWADI, ALWAR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 03/11/2022 to 02/11/2024 **Last Amended on** -

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	LIQUID DIELECTRIC MATERIALS	BREAKDOWN VOLTAGE	IEC 60156
2	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	BREAKDOWN VOLTAGE	IS 6792
3	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	CARBON TYPE ANALYSIS: AROMATIC: Ca	IS 13155
4	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	CARBON TYPE ANALYSIS: NAPHTHENIC: Cn	IS 13155
5	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	CARBON TYPE ANALYSIS: PARAFFINIC: Cp	IS 13155
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: ACETYLENE: C2H2	ASTM D 3612
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: ACETYLENE: C2H2	IEC 60567
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: ACETYLENE: C2H2	IS 9434
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: CARBON DIOXIDE: CO2	ASTM D 3612
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: CARBON DIOXIDE: CO2	IEC 60567
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: CARBON DIOXIDE: CO2	IS 9434
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: CARBON MONOXIDE: CO	ASTM D 3612
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: CARBON MONOXIDE: CO	IEC 60567

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14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: CARBON MONOXIDE: CO	IS 9434
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: ETHANE: C2H6	ASTM D 3612
16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: ETHANE: C2H6	IEC 60567
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: ETHANE: C2H6	IS 9434
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: ETHYLENE: C2H4	ASTM D 3612
19	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: ETHYLENE: C2H4	IEC 60567
20	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: ETHYLENE: C2H4	IS 9434
21	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: HYDROGEN: H2	ASTM D 3612
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: HYDROGEN: H2	IEC 60567
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: HYDROGEN: H2	IS 9434
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: METHANE: CH4	ASTM D 3612
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: METHANE: CH4	IEC 60567
26	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: METHANE: CH4	IS 9434
27	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: NITROGEN: N2	ASTM D 3612

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28	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: NITROGEN: N2	IEC 60567
29	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: NITROGEN: N2	IS 9434
30	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: OXYGEN: O2	ASTM D 3612
31	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: OXYGEN: O2	IEC 60567
32	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	DISSOLVED GAS ANALYSIS: OXYGEN: O2	IS 9434
33	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FLASH POINT	ASTM D 93
34	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FLASH POINT	ISO 2719
35	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FURAN ANALYSIS: 5-HYDROXYMETHYL-2-FURFURAL: 5HMF	ASTM D 5837
36	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FURAN ANALYSIS: 2-ACETYLFURAN: 2ACF	ASTM D 5837
37	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FURAN ANALYSIS: 2-ACETYLFURAN: 2ACF	IEC 61198
38	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FURAN ANALYSIS: 2-FURFURALDEHYDE: 2FAL	ASTM D 5837
39	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FURAN ANALYSIS: 2-FURFURALDEHYDE: 2FAL	IEC 61198
40	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FURAN ANALYSIS: 2-FURFURYLALCOHOL: 2FOL	ASTM D 5837
41	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FURAN ANALYSIS: 2-FURFURYLALCOHOL: 2FOL	IEC 61198

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42	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FURAN ANALYSIS: 5-HYDROXYMETHYL-2-FURFURAL: 5HMF	IEC 61198
43	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FURAN ANALYSIS: 5-METHYL-2-FURFURAL: 5MEF	ASTM D5837
44	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	FURAN ANALYSIS: 5-METHYL-2-FURFURAL: 5MEF	IEC 61198
45	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	INHIBITOR CONTENT	ASTM D 2668
46	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	INTERFACIAL TENSION	ASTM D 971
47	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	INTERFACIAL TENSION	IS 6104
48	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	SPECIFIC RESISTANCE / RESISTIVITY	IEC 60247
49	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	SPECIFIC RESISTANCE / RESISTIVITY	IS 6103
50	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	TAN DELTA	IEC 60247
51	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	TAN DELTA	IS 6262
52	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	TOTAL ACIDITY / NEUTRALIZATION VALUE	IEC 62021
53	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	TOTAL ACIDITY / NEUTRALIZATION VALUE	IS 1448 P-2
54	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	WATER CONTENT	IEC 60814
55	ELECTRICAL- INSULATING MATERIALS & INSULATORS	LIQUID DIELECTRIC MATERIALS	WATER CONTENT	IS 13567