National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : REGIONAL OIL TESTING LABORATORY (NR III), POWER GRID CORPORATION OF INDIA LIMITED, POWERGRID RESIDENTIAL COLONY, AMBEDKAR VIHAR AWAS, CHAUFATKA, PRAYAGRAJ, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10786 **Page No** 1 of 3

Validity 05/07/2022 to 04/07/2024 **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	Insulating Oil	Dissolved Gas Analysis-Ethane(C2H6)	ASTM D-3612 Method C
2	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dielectric Dissipation Factor Test(Tan Delta)	IEC 60247
3	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dielectric Dissipation Factor Test(Tan Delta)	IS 6262
4	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating oil	Dielectric Strength Test(BDV)	IEC 60156
5	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dielectric Strength Test(BDV)	IS 6792
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Acetylene(C2H2)	ASTM D-3612 Method C
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Acetylene(C2H2)	IEC 60567
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Acetylene(C2H2)	IS 9434
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Carbon Dioxide(CO2)	ASTM D-3612 Method C
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Carbon Dioxide(CO2)	IEC 60567
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Carbon Dioxide(CO2)	IS 9434
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Carbon Monoxide(CO)	ASTM D-3612 Method C
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Carbon Monoxide(CO)	IEC 60567

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14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Carbon Monoxide(CO)	IS 9434
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Ethane(C2H6)	IEC 60567
16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Ethane(C2H6)	IS 9434
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Ethylene(C2H4)	ASTM D-3612 Method C
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Ethylene(C2H4)	IEC 60567
19	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Ethylene(C2H4)	IS 9434
20	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Hydrogen(H2)	ASTM D-3612 Method C
21	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Hydrogen(H2)	IEC 60567
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Hydrogen(H2)	IS 9434
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Methane(CH4)	ASTM D-3612 Method C
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Methane(CH4)	IEC 60567
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Methane(CH4)	IS 9434
26	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Nitrogen(N2)	ASTM D-3612 Method C
27	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Nitrogen(N2)	IEC 60567

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28	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Nitrogen(N2)	IS 9434
29	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Dissolved Gas Analysis-Oxygen(O2)	ASTM D-3612 Method C
30	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating oil	Flash Point Test	ASTM D-93
31	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Flash Point Test	ISO 2719
32	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Inter Facial Tension Test	ASTM D-971
33	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Inter Facial Tension Test	IS 6104
34	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating oil	Pour Point Test	ASTM D-97
35	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Pour Point Test	ISO 3016
36	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Specific Resistance Test(Resistivity)	IEC 60247
37	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Total Acidity Test(Neutralization value)	IEC 62021 Part 1
38	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Total Acidity Test(Neutralization value)	IS 1488 P-2
39	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Water Content Test	IEC 60814
40	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oil	Water Content Test	IS 13567