National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RTDC- OIL LAB, POWER GRID CORPORATION OF INDIA LIMITED, 400/230 KV SUB-STATION, HOSUR, KRISHNAGIRI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5422 **Page No** 1 of 3

Validity 24/04/2022 to 23/04/2024 **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	Insualting Oils	Inter Facial Tension	ASTM D971
2	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Breakdown Voltage	IEC 60156
3	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Breakdown Voltage	IS 6792
4	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Carbon Type composition: Aromatics (Ca)	IS 13155
5	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Carbon Type composition: Napthenic (Cn)	IS 13155
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Carbon Type composition: Paraffinic (Cp)	IS 13155
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dielectric Dissipation Factor / Tan-Delta	IEC 60247
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dielectric Dissipation Factor / Tan-Delta	IS 6262
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas Analysis C2H2	IEC 60567
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas Analysis C2H4	IEC 60567
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas Analysis C2H6	IEC 60567
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas Analysis CH4	IEC 60567
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas Analysis CO	IEC 60567

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14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas Analysis CO2	IEC 60567
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas Analysis H2	IEC 60567
16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas Analysis N2	IEC 60567
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas Analysis O2	IEC 60567
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Dissolved Gas Analysis TGC	IEC 60567
19	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point	ASTM D93
20	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Flash Point	IS 1448 Part21
21	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Furan Analysis	ASTM D5837
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Furan Analysis	IEC 61198
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Inhibitor Content	ASTM D2668
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Inhibitor Content	IEC 60666
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Specific Resistance	IEC 60247
26	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Specific Resistance	IS 6103
27	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Total Acidity	IEC 62021

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28	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Total Acidity	IS 1448 Part1
29	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content	IEC 60814
30	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Insulating Oils	Water Content	IS 13567