National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INSULATING OIL TESTING LABORATORY, POWER GRID CORPORATION OF INDIA LIMITED, HVDC BACK TO BACK STATION & 400 KV SUB-STATION, BHADRAVATI, CHANDRAPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10378 **Page No** 1 of 2

Validity 07/03/2022 to 06/03/2024 **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	Transformer Oils	Dielectric Dissipation Factor/ Tan Delta	IEC 60247
2	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	DIELECTRIC STRENGTH / BREAK DOWN VOLTAGE	IEC 60156
3	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-H2	ASTM D 3612
4	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-H2	IEC 60567
5	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-C2H2	ASTM D 3612
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-C2H2	IEC 60567
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-C2H4	ASTM D 3612
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-C2H4	IEC 60567
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-C2H6	ASTM D 3612
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-C2H6	IEC 60567
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-CH4	ASTM D 3612
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-CH4	IEC 60567
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-CO	ASTM D 3612

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14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-CO	IEC 60567
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-CO2	ASTM D 3612
16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-CO2	IEC 60567
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-N2	ASTM D 3612
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-N2	IEC 60567
19	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-O2	ASTM D 3612
20	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis (DGA)-O2	IEC 60567
21	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	FLASH POINT	ASTM D 6450
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Inter Facial Tension	ASTM D 971
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Specific Resistance	IEC 60247
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Total Acidity	IEC 62021-1
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	WATER CONTENT	IEC 60814