National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SPECIALISED TESTING LABORATORY, POWER GRID CORPORATION OF INDIA LTD, 400/220KV PATNA SUB-STATION, PATNA-GAYA ROAD, VILLAGE- GAURICHAK, POST-FATEHPUR, PATNA, BIHAR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9403 **Page No** 1 of 3

Validity 05/04/2021 to 04/04/2023 **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 oil	Dissolved Gas Analysis N2	IEC 60567
2	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis C2H2	IEC 60567
3	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis C2H6	IEC 60567
4	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis O2	IEC 60567
5	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Furan Analysis 2FOL	ASTM D5837
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis C2H2	ASTM D3612
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis C2H4	ASTM D3612
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis C2H4	IEC 60567
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis C2H6	ASTM D3612
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis CH4	ASTM D3612
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis CO	ASTM D3612
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis CO	IEC 60567
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis CO2	ASTM D3612

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14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis CO2	IEC 60567
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis H2	IEC 60567
16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis H2	ASTM D3612
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis N2	ASTM D3612
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved Gas Analysis O2	ASTM D3612
19	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Furan Analysis 2ACF	IEC 61198
20	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Furan Analysis 2ACF	ASTM D5837
21	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Furan Analysis 2FAL	ASTM D5837
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Furan Analysis 2FAL	IEC 61198
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Furan Analysis 2FOL	IEC 61198
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Furan Analysis 5HMF	ASTM D5837
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Furan Analysis 5HMF	IEC 61198
26	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Furan Analysis 5MEF	ASTM D5837
27	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Furan Analysis 5MEF	IEC 61198

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28	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dielectric Dissipation Factor / Tan Delta	IEC 60247
29	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dielectric Strength / Breakdown Voltage	IEC 60156
30	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Dissolved Gas Analysis CH4	IEC 60567
31	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Flash point	ASTM D6450
32	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oils	Interfacial tension	IS 6104
33	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Neutralization Value / Total Acidity	ASTM D664
34	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oils	Specific Resistance/ Resistivity	IEC 60247
35	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oils	water content	IEC 60814
36	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oils	Water Content	IS 13567