National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TRANSFORMER OIL TESTING LAB, TRAINING INSTITUTE, DR. NTTPS, APGENCO, TRAINING INSTITUTE, DR. NTTPS, IBRAHIMPATNAM, VIJAYAWADA, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6579 **Page No** 1 of 2

Validity 16/12/2022 to 15/12/2024 **Last Amended on** 29/03/2023

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	Breakdown voltage	IS 6792
2	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Density	IS 1448: P-16
3	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis of Methane(CH4)	IEC 60599
4	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis of Methane(CH4)	IS 10593
5	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis of Methane(CH4)	IS 9434
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Acetylene (C2H2)	IS 10593
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Acetylene(C2H2)	IEC 60599
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Acetylene(C2H2)	IS 9434
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Carbon Dioxide(CO2)	IEC 60599
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Carbon Dioxide(CO2)	IS 10593
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Carbon Dioxide(CO2)	IS 9434
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Carbon Monoxide(CO)	IEC 60599
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Carbon monoxide(CO)	IS 10593

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14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Ethane(C2H6)	IEC 60599
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Ethane(C2H6)	IS 10593
16	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Ethane(C2H6)	IS 9434
17	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Ethelene(C2H4)	IS 9434
18	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Ethylene(C2H4)	IEC 60599
19	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Hydrogen(H2)	IEC 60599
20	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Hydrogen(H2)	IS 10593
21	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissolved gas analysis-Hydrogen(H2)	IS 9434
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissoved gas analysis-Carbon monoxide(CO)	IS 9434
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Dissoved gas analysis-Ethylene(C2H4)	IS 10593
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Interfacial Tension	IS 6104
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Specific resistance	IS 6103
26	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer oil	Tan delta	IS 6262
27	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Water content	IS 13567