National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TRANSFORMER OIL TESTING LABORATORY, STEAG ENERGY SERVICES (I) PVT. LTD., A-29, SECTOR-16, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5987 **Page No** 1 of 2

Validity 18/02/2023 to 17/02/2025 **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	Appearance	IS 1448 (P-12) / IS 1866 / IS 335
2	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Density	IS 1448 [P:16]
3	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dielectric dissipation factor (tan delta) at 90 °C	IS 16840
4	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved gas analysis C2H2=Acetylene	IS 9434
5	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved gas analysis C2H4=Ethylene	IS 9434
6	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved Gas Analysis C2H6=Ethane	IS 9434
7	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved gas analysis CH4=Methane	IS 9434
8	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved gas analysis CO = Carbon monoxide	IS 9434
9	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved gas analysis CO2 = carbondioxide	IS 9434
10	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Dissolved gas analysis H2 = Hydrogen	IS 9434
11	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Electric Strength	IS 6792
12	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Flash Point	IS 1448 [P:21]
13	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Neutralization value	IEC62021-2

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	TRANSFORMER OIL TESTING LABORATORY, STEAG ENERGY SERVICES (I) PVT. LTD., A-29, SECTOR-16, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5987	**Page No**	2 of 2
Validity	18/02/2023 to 17/02/2025	**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
14	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Specific Resistance at 90 °C	IS 16840
15	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Transformer Oil	Water Content	IS 13567