National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ESENNAR TRANSFORMERS PRIVATE LIMITED (TRANSFORMER TESTING LABORATORY), PLOT NO 2, PHASE 1, IDA, PASHAMYLARAM, SANGAREDDY, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9783 **Page No** 1 of 1

Validity 23/08/2021 to 22/08/2023 **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- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transform100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage classers	Magnetic balance test	CBIP Manual , Publication No. 317, Cl 3.17
2	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Capacitance & Tandelta test	IS 2026 (Part 1), Cl.10.1.3 (b)
3	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Harmonics of no load current	Clause 10.6, IS 2026 (Part 1)
4	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Induced over voltage test 1 V to 22 KV	Clause 21.2 f, IS 1180 (Part1)
5	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Insulation resistance test	Clause 21.2 e, IS 1180 (Part 1)
6	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Measurement of no load loss and current	Clause 21.2 d, IS 1180 (Part 1)
7	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Measurement of voltage ratio and check of phase displacement	Cl 21.2 b, IS 1180 (Part 1)
8	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Measurement of Zero Sequence Impedance	Clause 10.7, IS 2026 (Part1)
9	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Oil BDV test	IS 335, IS 6792 & IS 1866
10	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Oil leakage test (0.01 kg/cm2 to 2 kg/cm2)	Clause 21.2 j, IS 1180 (Part 1)
11	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Separate source voltage test (100 V to 100KV 1mA to 1A)	Clause 21.2 g, IS 1180 (Part 1)
12	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Short circuit impedance & load loss	Clause 21.2 c, IS 1180 (Part 1)
13	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Temperature rise test	21.3 b, IS 1180 (Part 1)
14	ELECTRICAL- INDUCTORS & TRANSFORMERS	Power Transformers & Distribution Transformers 100 KVA to 2500 KVA of 11KV,22 KV& 33 KV voltage class	Winding Resistance test	Clause 21.2 a, IS 1180 (Part 1)