

As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



Valid from 13 September 2023  
to 12 September 2026  
Issued on 13 September 2023



**ISO/IEC 17025  
TL 119-01**

## Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories  
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 119-01

**Laboratory of LTL Transformers (Pvt) Ltd,  
No. 154/11, Railway Station Road,  
Angulana,  
Moratuwa.**

**Scope of Accreditation:** Performing electrical & mechanical testing on transformers and low voltage switch gear as per the test methods appearing in this schedule.

The Laboratory is accredited for the following tests appear on page 02 & 03;

SI NO	Product(s) / Material of test	Specific tests performed	Test Method/ Standard against which tests are performed	Range of testing/ Limits of detection
01	Transformers	Insulation Resistance Test	TEM/QC/01 (IEEE C57.12.90 -2021)	0 MΩ -1000 MΩ (1000V) 1000 MΩ -10 GΩ (1000V) 0 MΩ -100 MΩ (5000V) 100 MΩ -1000 MΩ (5000V) 1000 MΩ -100 GΩ (5000V)
02		Vector Group Test	TEM/QC/02 (IEC 60076-1:2011)	All Vector Groups
03		Voltage Ratio Test	TEM/QC/03 (IEC 60076-1:2011)	1 : 1000 1:>1000 -2000
04		Winding Resistance Test	TEM/QC/04 (IEC 60076-1:2011)	0 - 415 μΩ 415 μΩ -1 mΩ 1 mΩ - 10 mΩ 10 mΩ - 100 mΩ 100 mΩ - 825 mΩ 825 mΩ - 4 kΩ
05		Oil Dielectric Strength Test	TEM/QC/05 (IEC 60076-1:2011)	10 kV - 30kV 30kV – 60kV 60kV - 80kV
06		Applied Voltage Test	TEM/QC/06 (IEC 60076-3:2013+A1:2018)	0 kV – 20 kV 20 kV – 50 kV 50 kV – 70 kV 70 kV – 100 kV
07		Induced Voltage withstand Test	TEM/QC/07 (IEC 60076-3:2013+A1:2018)	0.1 kV – 12 kV 12 kV – 24 kV
08		No Load Test	TEM/QC/08 (IEC 60076-1:2011)	0 kW – 2.8kW 2.8kW -11.5 kW
09		Full Load Test	TEM/QC/09 (IEC 60076-1:2011)	0 kW – 2.8kW 2.8kW -5 kW 5 kW – 11.5 kW 11.5 kW – 20 kW 20 kW – 35 kW

<b>SI NO</b>	<b>Product(s) / Material of test</b>	<b>Specific tests performed</b>	<b>Test Method/ Standard against which tests are performed</b>	<b>Range of testing/ Limits of detection</b>
10	Transformers	Temperature Rise Test	TEM/QC/10 (IEC 60076-2:2011)	25 °C - 60 °C 60 °C - 90 °C 0 kW – 2.8kW 2.8kW -5 kW 5 kW – 11.5 kW 11.5 kW – 20 kW 20 kW – 35 kW
11		Sweep Frequency Response Analysis Test	TEM/QC/32 (IEEE Std C57.149TM-2012)	1 Hz – 25 MHz 10dB to -100dB
12		Partial Discharge Test	TEM/QC/31 (IEC 60076-3:2013+A1:2018)	1pC - 20pC 20pC - 100pC
13		Tan- Delta Test	TEM/QC/30 (IEEE Std C57.152-2013)	15pF – 1 nF 1 nF – 10 µF
14		Sound Level Test	TEM/QC/11 (IEC 60076-10:2016)	30 dB - 70dB
15		Zero Sequence Impedance Test	TEM/QC/12 (IEC 60076-1:2011, IEC 60076-6:2007)	100-200V 2-15A

Director/CEO  
Sri Lanka Accreditation Board for Conformity Assessment