Accreditation No: LAB 096

Awarded to

Transformer Testing Laboratory, Elmetec (Pvt.) Ltd.
19-Km, Main Ferozepur Road, Lahore, Pakistan.

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **06-10-2015** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017.**

The accreditation requires regular surveillance, and is valid until **20-05-2024.**

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

PAKISTAN NATIONAL ACCREDITATION COUNCIL

28-05-2021
Date

SD
Director General

Testing Laboratory.

Accreditation Scope of
Transformer Testing Laboratory, Elmetec (Pvt.) Ltd.
19-Km, Main Ferozepur Road, Lahore, Pakistan.

Permanent laboratory premises X

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
10 kV to 630 kVA Distribution & Power Transformers	**Electrical**	Measurement of Short Circuit Impedance & Load Loss (Copper Loss)	• DDS:84-2020 • P-10:67 • IEC 60076-1 clause 11.4
		Measurement of No-Load Loss & Current (Iron Loss)	• DDS:84-2020 • P-10:67 • IEC 60076-1 clause 11.5
		Power frequency over voltage withstand test (Applied Voltage Test)	• DDS:84-2020 • P-10:67 • IEC 60076-3 clause 10
		Induced voltage withstand test	• DDS:84-2020 • P-10:67 • IEC 60076-3 clause 11
		Measurement of winding resistance	• DDS:84-2020 • P-10:67 • IEC 60076-1 clause 11.2
		Measurement of Voltage ratio (Turn ratio) and vector group test	• DDS:84-2020 • P-10:67 • IEC 60076-1 clause 11.3
		Bird protection test	• DDS: 84-2020 clause 15.2.3
		Temperature rise test	• P-10:67 • IEC 60076-2 clause 7
	Mechanical	Tank pressure test (Tightness test)	• DDS: 84-2020 • IEC 60076-1 clause 15.2.1

01-11-2023
Date

Sd
Director