Accreditation No: LAB 087

Awarded to

Pak Elektron Limited Transformer Testing Lab.
34 Km 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 **14-05-2015** 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 **23-07-2024.**

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

22-10-2021
Date

Sd.
Director General

Testing Laboratory.

Accreditation Scope of

PAK ELEKTRON LIMITED TRANSFORMER TESTING LAB

34-KM FEROZEPUR ROAD LAHORE,

PAKISTAN.

Permanent laboratory premises YES

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
Distribution Transformers (10 kVA to 10000 kVA up to 33kV)	Electrical Testing Facility	Measurement of Voltage Ratio and Check of Phase Displacement	**IEC 60076-1** (Clause 11.3)
		Measurement of Winding Resistance (HV&LV)	**IEC 60076-1** (Clause 11.2)
		Measurement of No-Load Losses and Current	**IEC 60076-1** (Clause 11.5)
		Measurement of Short Circuit Impedance and Load Losses	**IEC 60076-1** (Clause 11.4)
		Induce Over Voltage Withstand Test	**IEC 60076-3** (Clause 11.2)
		High Voltage(Separate Voltage Withstand Test)	**IEC 60076-3** (Clause 10)
		Bird Protection Test	**DDS-84:2020** (Clause 15.2.3)
		Tank Pressure Test	**IEC 60076-1** (Clause 11.8)
		Temperature Rise Test	**IEC 60076-2** (Clause 7.3 - 7.11)

22-10-2021
Date

Sd.
Director

		Impulse Voltage Withstand Test	**IEC 60076-3** (Clause 13.2) **IEC 60076-4** (Clause 7.4)
		Measurement of Di-Electric Strength of Transformer Oil	**IEC 60422** **IEC 60296** (Clause 6.4)
Switchgear	Electrical Testing Facility	Temperature Rise Test Measurement of	**IEC 62271-1,(Clause 7.5)**
		Impulse Voltage Withstand Test	**IEC 62271-1, (Clause 7.2)**

22-10-2021
Date

Sd.
Director