

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 161</b>
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**Accreditation No: LAB 161**

**Awarded To**

**TRANSFORMER TESTING LAB  
POWER TECH INDUSTRIES  
UNIT NO: 3 & 4, S.I.T.E AREA KOTRI, SINDH, 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 **02-08-2018** 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 **01-02-2025**.

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**

16-02-2022

Date

SD

Director General

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**Testing Laboratory.**

Accreditation Scope of Transformer Testing Lab, Power Tech Industries,  
S.I.T.E Area Kotri, Sindh, Pakistan.

Permanent laboratory premises

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
<b>DISTRIBUTION TRANSFORMERS (10 KVA – 630 KVA)</b>	<b>Electrical</b>	Measurement of Winding Resistance	<b>IEC 60076 -1</b> (Clause 11.2)
		Measurement of Voltage Ratio (Turn Ratio Test)	<b>IEC 60076 -1</b> (Clause 11.3)
		Measurement of Short Circuit Impedance & Load Losses (Copper Losses)	<b>IEC 60076 -1</b> (Clause 11.4)
		Measurement of No-Load Losses & Current (Iron Losses)	<b>IEC 60076 -1</b> (Clause 11.5)
		Applied Voltage Test (High Voltage Test)	<b>IEC 60076 -3</b> (Clause 10)
		Induce Voltage Withstand Test	<b>IEC 60076 -3</b> (Clause 11.2)
		Check of Phase Displacement (Vector Group Dyn 11)	<b>IEC 60076-1</b> (Clause 11.3)
		Bird Protection Test	<b>DDS 84:2020</b> (Clause 18.2 vi)
	Temperature Rise Test	<b>IEC 60076-2</b> (Clause 7.3 – 7.11)	
<b>Mechanical</b>	<b>Tightness Test (Pressure Test)</b>	<b>IEC 60076-1</b> (Clause 11.8)	

16-02-2022  
Date

Sd  
Director