

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 000
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Accreditation No: 278

Awarded to

**SIGMA POWER (Private) Limited
SIGMA POWER LABARAORY
Canal Bank 3.6 Off, Kala Khatai Road, Shahdara
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 **23-02-2023** 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 **22-02-2026**.

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

23-02-2023
Date

SD
Director General



**ACCREDITATION
DOCUMENT**

F-06/02
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LAB 000

Testing Laboratory

Accreditation Scope
of
SIGMA POWER (Private) Limited
SIGMA POWER LABARAORY
Canal Bank 3.6 Off, Kala Khatai Road, Shahdara
Lahore-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
DISTRIBUTION TRANSFORMERS (Rating up to 5 KVA to 1500 KVA)	Electrical	Measurement of Winding Resistance	IEC 60076-1:2011 DDS:84-2020
		Measurement of Voltage Ratio (Turn Ratio Test)	IEC 60076-2011 DDS:84-2020
		Measurement of Short Circuit Impedance & Load Losses (Copper Losses)	IEC 60076-2011 DDS:84-2020
		Load Losses & S. C. Impedance	IEC 60076-2011 DDS:84-2020
		Applied Voltage Test (High Voltage Test)	IEC 60076-3:2018 DDS:84-2020
		Induce Voltage Withstand Test	IEC 60076-3:2018 DDS:84-2020
		Check of Phase Displacement (Vector Group)	IEC 60076-1:2011 DDS:84-2020
		Bird Protection Test (Insulation of Top Plate)	DDS:84-2020
	Temperature Rise Test	IEC 60076-2:2011 DDS:84-2020	
Mechanical	Tightness Test (Pressure Test)	IEC 60076 -1:2011 DDS:84-2020	

23-02-2023

Date

Sd

Director