

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 230</b>
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**Accreditation No: LAB 230**

**Awarded to**

**Grit (Pvt) Ltd. (Transformer Testing Laboratory)  
3.5 - KM, Jiliana Bridge, Off Defence 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 **22-06-2021** 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 **21-06-2024**.

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**

24-06-2021  
Date

Sd.  
Director General

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02</b> <b>Issue Date: 18/08/2020</b> <b>Rev. No: 09</b> <b>LAB 230</b>
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## Testing Laboratory.

**Accreditation Scope  
Of  
Grit (Pvt) Ltd. (Transformer Testing Laboratory)  
3.5 - KM, Jiliana Bridge, Off Defence Road,  
Lahore, Pakistan**

Permanent laboratory premises

Materials/ Products tested	Types of test/ Properties measured	Standard specification/ Techniques/ equipment used
Distribution Transformer (Rating from 10KVA to 630KVA)	NO-LOAD LOSS AND CURRENT MEASUREMENT TEST/ (Iron Losses Test)	<ul style="list-style-type: none"> <li>• IEC 60076-1:2011</li> <li>• DDS-84:2020</li> </ul>
	SHORT CIRCUIT IMPEDANCE AND LOAD LOSS MEASUREMENT TEST / (Copper Losses Test)	<ul style="list-style-type: none"> <li>• IEC 60076-1:2011</li> <li>• DDS-84:2020</li> </ul>
	INDUCED VOLTAGE WITHSTAND TEST	<ul style="list-style-type: none"> <li>• IEC 60076-3:2018</li> <li>• DDS-84:2020</li> </ul>
	APPLIED VOLTAGE (WITHSTAND) TEST/ (Separate Source Over Voltage Withstand Test)	<ul style="list-style-type: none"> <li>• IEC 60076-3:2018</li> <li>• DDS-84:2020</li> </ul>
	VOLTAGE RATIO/ (TURN RATIO) TEST	<ul style="list-style-type: none"> <li>• IEC 60076-1:2011</li> <li>• DDS-84:2020</li> </ul>
	WINDING RESISTANCE MEASUREMENT TEST	<ul style="list-style-type: none"> <li>• IEC 60076-1:2011</li> <li>• DDS-84:2020</li> </ul>
Distribution Transformer (Rating from 10kVA to 630kVA)	PHASE POLARITY CHECK	<ul style="list-style-type: none"> <li>• IEC 60076-1:2011</li> <li>• DDS-84:2020</li> </ul>
	BIRD PROTECTION TEST	<ul style="list-style-type: none"> <li>• DDS-84:2020</li> </ul>
	TANK PRESSURE TEST	<ul style="list-style-type: none"> <li>• IEC 60076-1:2011</li> <li>• DDS-84:2020</li> </ul>
	TEMPERATURE RISE TEST	<ul style="list-style-type: none"> <li>• IEC 60076-1:2011</li> <li>• DDS-84:2020</li> </ul>

22-06-2021

Date

Sd.

Director