

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 136</b>
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## **Accreditation No: LAB 136**

**Awarded to**

**Skypower (Pvt.) Limited, Transformer Testing Labs.  
Plot No. 4536, Race Course Road, Near Halloki Station,  
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 **21-05-2018** 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 **21-05-2024**

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**

11-06-2021  
Date

Sd.  
Director General

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**Testing Laboratory.**

Skypower (Pvt.) Limited, Transformer Testing Labs.  
Plot No. 4536, Race Course Road, Near Halloki Station,  
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
Power Transformer (10KVA – 630KVA)	Electrical Testing	NO-LOAD LOSS AND CURRENT MEASUREMENT TEST/ (Iron Losses Test)	<ul style="list-style-type: none"> <li>• IEC-60076-1 :2011 Clause:11.5</li> <li>• DDS-84:2007</li> </ul>
		SHORT CIRCUIT IMPEDANCE AND LOAD LOSS MEASUREMENT TEST / (Copper Losses Test)	<ul style="list-style-type: none"> <li>• IEC-60076-1 :2011 Clause:11.4</li> <li>• DDS-84:2007</li> </ul>
		INDUCED VOLTAGE WITHSTAND TEST	<ul style="list-style-type: none"> <li>• IEC-60076-3 :2018 Clause:11.2</li> <li>• DDS-84:2007</li> </ul>
		APPLIED VOLTAGE (WITHSTAND) TEST/ (Separate Source Over Voltage Withstand Test)	<ul style="list-style-type: none"> <li>• IEC-60076-3 :2018 Clause:10</li> <li>• DDS-84:2007</li> </ul>
		VOLTAGE RATIO/ (TURN RATIO) TEST	<ul style="list-style-type: none"> <li>• IEC-60076-1 :2011 Clause:11.3</li> <li>• DDS-84:2007</li> </ul>
		WINDING RESISTANCE MEASUREMENT TEST	<ul style="list-style-type: none"> <li>• IEC-60076-3 :2018 Clause:11.2</li> <li>• DDS-84:2007</li> </ul>
VERIFICATION OF VECTOR GROUP (Check of Phase Displacement Dyn11)	<ul style="list-style-type: none"> <li>• IEC-60076-3 :2018 Clause:11.3</li> <li>• DDS-84:2007</li> </ul>		

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		CHECK OF CORE & FRAME INSULATION	<ul style="list-style-type: none"><li>• IEC-60076-1 :2011 Clause:11.12</li><li>• DDS-84:2007</li></ul>
		TEMPERATURE RISE TEST	<ul style="list-style-type: none"><li>• IEC-60076-2 :2011 Clause:7.3, 7.11</li><li>• DDS-84:2007</li></ul>
		BIRD PROTECTION TEST	<ul style="list-style-type: none"><li>• DDS-84:2007 Clause: Appendix-A</li></ul>
	Mechanical Testing	TANK GAS PRESSURE TEST (Tightness Test)	<ul style="list-style-type: none"><li>• IEC-60076-3 :2018 Clause:11.8</li><li>• DDS-84:2007</li></ul>

11-06-2021

Date

Sd.

Director