

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 083</b>
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**Accreditation No: LAB 083**

**Awarded to**

**CQTC-EP Laboratory of National Institute of Electronics (NIE)  
Plot # 17, Sector H-9/1, Islamabad, 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 **01-01-2020** 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 **31-12-2023**.

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**

15-06-2021  
Date

Sd  
Director General

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### Testing Laboratory.

Accreditation Scope of Lab of CQTC-EP Lab of National Institute of Electronics, Islamabad 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>PV Module ≤ 50V</b>	Electrical Safety Testing	Insulation Resistance Test	IEC 61215 Clause 10.3
<b>Compact Fluorescent Lamp</b>	Electrical Safety Testing	Marking and instructions	IEC 60968 Clause 5
		Insulation Resistance & Electric Strength Test After Humidity Treatment	IEC 60968 Clause 8
		Lamp wattage	IEC 60969 Clause 6.2
<b>Compact Fluorescent Lamp (MEPS)</b>	Electrical Safety Testing	General Requirement of Test	MEPS for CFL Clause 6.1
		Marking on Lamp	MEPS for CFL Clause 6.2
		Marking on Lamp packing	MEPS for CFL Clause 6.3
		Lamp Wattage	MEPS for CFL Clause 6.6
<b>Electricity Metering Equipment (AC meters)</b>	Electrical Safety Testing	Marking and instructions	IEC 62052-11 Clause 5
		Dry Heat Test	IEC 62052-11 Clause 6.3.1

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		Electrostatic Discharge Test (ESD)	IEC 62052-11 IEC 61000-4-2
<b>Battery Charger</b>	Electrical Safety Testing	Leakage Current Test	IEC 60335-2-29 Clause 16 IEC 60335-1 Clause 16.2
		Electric Strength (Di-electric Withstand) Test	IEC 60335-2-29 Clause 16.3 IEC 60335-1
<b>Fan (designed for operation at ambient temperature)</b>	Electrical Safety Testing	Classification	IEC 60335-2-80 Clause 6
		Marking and instructions	IEC 60335-2-80 Clause 7
		Power input and current	IEC 60335-2-80 Clause 10
		Leakage current and electric strength	IEC 60335-2-80 Clause 16
		Provision for earthing	IEC 60335-2-80 Clause 27
		Resistance to Rusting	IEC 60335-2-80 Clause 31
<b>Luminaires (for road and street lighting)</b>	Electrical Safety Testing	Classification of luminaries	IEC 60598-2-3 Clause 3.4
		Marking	IEC 60598-2-3 Clause 3.5
		Provision for earthing	IEC 60598-2-3 Clause 3.8

15-06-2021  
Date

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Sd  
Director