

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 083
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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 **31-12-2025**.

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

07-02-2023
Date

SD.
Director General

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Testing Laboratory.

Accreditation Scope 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 tests/ Properties measured	Reference to standardized method (e.g., ISO 14577-1:2003)/ Internal method reference
PV Module ≤ 50V	Electrical Safety Testing	Insulation Resistance Test	IEC 61215-2:2021, Clause 4.3
Compact Fluorescent Lamps	Electrical Safety Testing	Marking and Instructions	IEC 60968:2015, Clause 5
		Insulation Resistance and Electric Strength Test after Temperature & Humidity treatment	IEC 60968:2015, Clause 8
		Lamp Wattage	IEC 60969:2016, PS 60969:2018 Clause 6.2
Compact Fluorescent Lamp (Minimum Energy Performance Specifications/ Standard)	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
Electricity Metering Equipment (AC meters)	Electrical Safety Testing	Meter accuracy class marking	IEC 62052-11:2020, Clause 6.1
		Meter marking	IEC 62052-11:2020, Clause 6.2
		Dry Heat Test	IEC 62052-11:2020, Clause 8.3.3

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		Electrostatic Discharge Test (ESD)	IEC 62052-11:2020, Clause 9.3.3 IEC 61000-4-2
Battery Charger	Electrical Safety Testing	Leakage Current Test	IEC 60335-2-29:2016, Clause 16 IEC 60335-1:2020, Clause 16.2
		Electric Strength (Dielectric Withstand) Test	IEC 60335-2-29:2016, Clause 16.3 IEC 60335-1:2020
Fan (Designed for operation at ambient temperature)	Electrical Safety Testing	Classification	IEC 60335-2-80:2015, Clause 6
		Marking and Instructions	IEC 60335-2-80:2015, Clause 7
		Power Input and Current	IEC 60335-2-80:2015, Clause 10
		Leakage current and Electric Strength	IEC 60335-2-80:2015, Clause 16
		Provision for earthing	IEC 60335-2-80:2015, Clause 27
		Resistance to Rusting	IEC 60335-2-80:2015, Clause 31
Luminaires (For road and street lighting)	Electrical Safety Testing	Classification of luminaires	IEC 60598-2-3:2011, Clause 3.4
		Marking	IEC 60598-2-3:2011, Clause 3.5
		Provision for earthing	IEC 60598-2-3:2011, Clause 3.8

07-02-2023
Date

sd.
Director