ACCREDITATION CERTIFICATE

LB-TEST-177

Emirates **I**nternational **A**ccreditation **C**entre

has accredited

DUBAI ELECTRICITY AND WATER AUTHORITY PJSC

ENERGY METER TESTING UNIT (EMTU) LABORATORY

TENDERING & ENGINEERING DEPT., DISTRIBUTION POWER DIVISION

DEWA Central Stores | Al-Warsan 2 | Dubai | United Arab Emirates

In accordance with the requirements of

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

to undertake the tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force within the validity period printed below, subject to continuing compliance with the requirements of the accreditation criteria.

Validity: 13-01-2025 to 28-02-2027

Initial Accreditation Date: 01-03-2018

Amina Ahmed Mohammed
CHIEF EXECUTIVE OFFICER

مـركـز الإمـارات الـعـالـمـي لـلاعـتـمـاد
Emirates International Accreditation Centre

Accreditation Scope

Electrical Testing

LB-TEST-177

Dubai Electricity and Water Authority PJSC

Energy Meter Testing Unit (EMTU) Laboratory

Tendering & Engineering Dept., Distribution Power Division

DEWA Central Stores | Al-Warsan 2 | Dubai | United Arab Emirates

Date: 13-01-2025

Accreditation History		
Issue no.	**Details**	**Date**
07	Reissued due to renewal of accreditation and modification in Test name and test method	13-01-2025
06	Certificate validity was extended for 6 months from 01-09-2024 up to 31-03-2025	01-09-2024
05	Certificate validity was extended for 6 months from 01-03-2024 up to 31-08-2024	01-03-2024
04	Reissued due to a change in the laboratory's name (was formerly known as Dubai Electricity and Water Authority)	30-06-2022
03	Renewal accreditation	21-05-2021
02	First issuance under the name of EIAC (Which was formerly known as 'DAC')	15-09-2020
01	Granted accreditation from Dubai Accreditation Center 'DAC'	01-03-2018

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Issue no.: 07 **Date: 13-01-2025** **Valid to: 28-02-2027**

Type of Activity	Test Materials/Products	Test Name	Test Method
Electrical Testing	Energy Meter	Test of No- Load Condition	IEC 62053 Part 11 Clause: 8.3.1
			IEC 62053 Part 21 Clause: 7.6
			IEC 62053 Part 22 Clause: 7.6
			IEC 62052 Part 11 Clause 7.6
			IEC 62058 Part 31 Clause: 5.4
		Starting Current Test	IEC 62053 Part 11 Clause: 8.3.1
			IEC 62053 Part 21 Clause: 7.7
			IEC 62053 Part 22 Clause: 7.7

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Issue no.: 07 **Date: 13-01-2025** **Valid to: 28-02-2027**

Type of Activity	Test Materials/Products	Test Name	Test Method
Electrical Testing	Energy Meter	Starting Current Test	IEC 62052 Part 11 Clause 7.7
			IEC 62058 Part 31 Clause: 5.5
		Verification of Register (Dial Test)	IEC 62058 Part 31 Clause: 5.7

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Issue no.: 07 **Date: 13-01-2025** **Valid to: 28-02-2027**

Type of Activity	Test Materials/Products	Test Name	Test Method
Electrical Testing	Energy Meter	Accuracy Test Load Characteristics: 5 % Load (0.05 Ib/In) @ PF=1 Basic Load (I b) @ PF=1 Basic Load (I b) @ PF=0.5 20 % I n @ PF=1* 20 % I n @ PF=0.5* I n @ PF=1* I n @ PF=0.5* I max @ PF=1 I max @ PF=0.5 *Applicable for CT Operated meter	IEC 62053 Part 11 Clause: 8.1
			IEC 62053 Part 21 Clause: 7.9
			IEC 62053 Part 22 Clause: 7.9
			IEC 62058 Part 31 Clause: 5.6

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Type of Activity	Test Materials/Products	Test Name	Test Method
Electrical Testing	Current Transformer	Instrument transformers Test for Ratio Error and Phase displacement of: 120 % Ir 100 % Ir 20 % Ir 5 % Ir 1 % Ir	IEC 61869 Part 2 Clause 7.2.6