National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ALPHION Q.A. LAB, G 001, C 76, SECTOR 63, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11307 **Page No** 1 of 3

Validity 19/01/2023 to 18/01/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 0.5S	AC High Voltage Test	IS 16444 (Part 2, Clause No. 6.10.6)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 0.5S	Insulation Resistance Test	IS 16444 (Part 2, Clause No. 6.10.6)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 0.5S	Test of Limits of Error	IS 16444 (Part 2, Clause No. 6.12)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 0.5S	Test of Meter Constant	IS 16444 (Part 2, Clause No. 6.12)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 0.5S	Test of No Load Condition	IS 16444 (Part 2, Clause No. 6.12)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 0.5S	Test of Power Consumption	IS 16444 (Part 2, Clause No. 6.11.1)
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 0.5S	Test of Repeatability of Error	IS 16444 (Part 2, Clause No. 6.12)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 0.5S	Test of Starting Condition	IS 16444 (Part 2, Clause No. 6.12)
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 1	AC High Voltage Test	IS 16444 (Part 1, Clause No. 6.10.6)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 1	Insulation Resistance Test	IS 16444 (Part 1, Clause No. 6.10.6)

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 1	Test of Limits of Error	IS 16444 (Part 1, Clause No. 6.12)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 1	Test of Meter Constant	IS 16444 (Part 1, Clause No. 6.12)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 1	Test of No Load Condition	IS 16444 (Part 1, Clause No. 6.12)
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 1	Test of Power Consumption	IS 16444 (Part 1, Clause No. 6.11.1)
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 1	Test of Repeatability of Error	IS 16444 (Part 1, Clause No. 6.12)
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Smart Meter, Class - 1	Test of Starting Condition	IS 16444 (Part 1, Clause No. 6.12)
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Watthour Meter, Class - 1	AC High Voltage Test	IS 13779 (Clause No. 12.7.6.3)
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Watthour Meter, Class - 1	Insulation Resistance Test	IS 13779 (Clause No. 12.7.6.4)
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Watthour Meter, Class - 1	Test of Limits of Error	IS 13779 (Clause No. 11.11)
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Watthour Meter, Class - 1	Test of Meter Constant	IS 13779 (Clause No. 12.15)
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Watthour Meter, Class - 1	Test of No Load Condition	IS 13779 (Clause No. 12.13)

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Watthour Meter, Class - 1	Test of Power Consumption	IS 13779 (Clause No. 12.7.1)
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Watthour Meter, Class - 1	Test of Repeatability of Error	IS 13779 (Clause No. 12.17)
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static Watthour Meter, Class - 1	Test of Starting Condition	IS 13779 (Clause No. 12.14)