National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GENUS POWER METROLOGICAL LABORATORY, PLOT NO. 104, BRAHMAPUTRA INDUSTRIAL PARK, AMINGAON, GUWAHATI, KAMRUP, ASSAM, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8379 **Page No** 1 of 5

Validity 20/01/2022 to 19/01/2024 **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	A.C. STATIC DIRECT CONNECTED WATTHOUR SMART METER - CLASS 1 AND CLASS 2	A.C. High Voltage test	IS 16444 Part 1
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC DIRECT CONNECTED WATTHOUR SMART METER - CLASS 1 AND CLASS 2	Limits of error due to other influence quantities (frequency variation)	IS 16444 Part 1
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC DIRECT CONNECTED WATTHOUR SMART METER - CLASS 1 AND CLASS 2	Limits of error due to other influence quantities (voltage variation)	IS 16444 Part 1
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC DIRECT CONNECTED WATTHOURSMART METER - CLASS 1 AND CLASS 2	Test of no load condition	IS 16444 Part 1
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC DIRECT CONNECTED WATTHOURSMART METER - CLASS 1 AND CLASS 2	Insulation test	IS 16444 Part 1
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC DIRECT CONNECTED WATTHOURSMART METER - CLASS 1 AND CLASS 2	Test of limits of error	IS 16444 Part 1
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC DIRECT CONNECTED WATTHOURSMART METER - CLASS 1 AND CLASS 2	Test of meter constant	IS 16444 Part 1
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC DIRECT CONNECTED WATTHOURSMART METER - CLASS 1 AND CLASS 2	Test of power consumption test	IS 16444 Part 1
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC DIRECT CONNECTED WATTHOURSMART METER - CLASS 1 AND CLASS 2	Test of repeatability of error	IS 16444 Part 1
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC DIRECT CONNECTED WATTHOURSMART METER - CLASS 1 AND CLASS 2	Test of starting condition	IS 16444 Part 1

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR ANDVAR-HOUR SMART METERS, CLASS 0.2S, 0.5S AND 1S	Limits of error due to other influence quantities (frequency variation)	IS 16444 Part 2
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR ANDVAR-HOUR SMART METERS, CLASS 0.2S, 0.5S AND 1S	Limits of error due to other influence quantities (voltage variation)	IS 16444 Part 2
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOURAND VAR-HOUR SMART METERS, CLASS 0.2S, 0.5SAND 1S	A.C. High Voltage test	IS 16444 Part 2
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOURAND VAR-HOUR SMART METERS, CLASS 0.2S, 0.5SAND 1S	Insulation test	IS 16444 Part 2
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOURAND VAR-HOUR SMART METERS, CLASS 0.2S, 0.5SAND 1S	Test of limits of error	IS 16444 Part 2
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOURAND VAR-HOUR SMART METERS, CLASS 0.2S, 0.5SAND 1S	Test of meter constant	IS 16444 Part 2
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOURAND VAR-HOUR SMART METERS, CLASS 0.2S, 0.5SAND 1S	Test of no load condition	IS 16444 Part 2
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOURAND VAR-HOUR SMART METERS, CLASS 0.2S, 0.5SAND 1S	Test of power consumption test	IS 16444 Part 2
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOURAND VAR-HOUR SMART METERS, CLASS 0.2S, 0.5SAND 1S	Test of repeatability of error	IS 16444 Part 2
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOURAND VAR-HOUR SMART METERS, CLASS 0.2S, 0.5SAND 1S	Test of starting condition	IS 16444 Part 2
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S, 0.5 S	AC High Voltage test	IS 14697

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S, 0.5 S	Insulation test	IS 14697
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S, 0.5 S	Limits of error due to other influence quantities (frequency variation)	IS 14697
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S, 0.5 S	Limits of error due to other influence quantities (voltage variation)	IS 14697
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S, 0.5 S	Limits of Error test	IS 14697
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S, 0.5 S	Meter Constant test	IS 14697
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S, 0.5 S	No Load Condition test	IS 14697
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S, 0.5 S	Power Consumption test	IS 14697
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S, 0.5 S	Repeatability of Error test	IS 14697
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S, 0.5 S	Starting Condition test	IS 14697
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC WATTHOUR METERS CLASS 1 & 2	Insulation test	IS 13779
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC WATTHOUR METERS CLASS 1 & 2	Limits of error due to other influence quantities (frequency variation)	IS 13779

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33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC WATTHOUR METERS CLASS 1 & 2	A.C. High Voltage test	IS 13779
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC WATTHOUR METERS CLASS 1 & 2	Limits of error due to other influence quantities (voltage variation)	IS 13779
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC WATTHOUR METERS CLASS 1 & 2	Limits of Error test	IS 13779
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC WATTHOUR METERS CLASS 1 & 2	Meter Constant test	IS 13779
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC WATTHOUR METERS CLASS 1 & 2	No Load Condition test	IS 13779
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC WATTHOUR METERS CLASS 1 & 2	Power Consumption test	IS 13779
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC WATTHOUR METERS CLASS 1 & 2	Repeatability of Error test	IS 13779
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. STATIC WATTHOUR METERS CLASS 1 & 2	Starting Condition test	IS 13779
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static PrepaymentMeters For Active Energy (Class 1 and 2)	A.C. High Voltage test	IS 15884
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static PrepaymentMeters For Active Energy (Class 1 and 2)	Insulation test	IS 15884
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static PrepaymentMeters For Active Energy (Class 1 and 2)	Test of limits of error	IS 15884

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44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static PrepaymentMeters For Active Energy (Class 1 and 2)	Test of meter constant	IS 15884
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static PrepaymentMeters For Active Energy (Class 1 and 2)	Test of no load condition	IS 15884
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static PrepaymentMeters For Active Energy (Class 1 and 2)	Test of power consumption test	IS 15884
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static PrepaymentMeters For Active Energy (Class 1 and 2)	Test of repeatability of error	IS 15884
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Alternating Current Direct Connected Static PrepaymentMeters For Active Energy (Class 1 and 2)	Test of starting condition	IS 15884
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATICPREPAYMEN METERS FOR ACTIVE ENERGY(CLASS 1 AND 2)	Limits of error due to other influence quantities (frequency variation)	IS 15884
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATICPREPAYMEN METERS FOR ACTIVE ENERGY(CLASS 1 AND 2)	Limits of error due to other influence quantities (voltage variation)	IS 15884