National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GENUS POWER METERING LABORATORY, GENUS POWER INFRASTRUCTURES LIMITED, PLOT NO. 09, SECTOR-02, SIDCUL, BHEL, RANIPUR, HARIDWAR, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 18/01/2023 to 17/01/2025 **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	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Limits of error	IS 16444 :Part -2, 6.12
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Starting condition	IS 16444 :Part -2, 6.12
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	AC high voltage test	IS 16444 : Part-1, Clause no.6.10.6
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Insulation test	IS 16444 : Part-1, 6.10.6
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Limits of error	IS 16444 : Part-1, 6.12
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Limits of error due to other influence quantities (frequency variation)	IS 16444 : Part-1, 6.12
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Limits of error due to other influence quantities (voltage variation)	IS 16444 : Part-1, 6.12
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Meter constant	IS 16444 : Part-1, 6.12
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	No-load condition	IS 16444 : Part 1, 6.12
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Power consumption test	IS 16444 : Part 1, 6.10.1

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Repeatability of error	IS 16444 : Part-1,
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Starting condition	IS 16444 : Part-1, 6.12
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	AC high voltage test	IS 16444 :Part -2, 6.10.6
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Insulation test	IS 16444 :Part -2, 6.10.6
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Limits of error due to other influence quantities (frequency variation)	IS 16444 :Part -2, 6.12
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Limits of error due to other influence quantities (voltage variation)	IS 16444 :Part -2, 6.12
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Meter constant	IS 16444 :Part -2
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	No-load condition	IS 16444 :Part -2, 6.12
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Power consumption test	IS 16444 :Part -2, 6.10.1
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Test of repeatability of error	IS 16444 :Part -2, 6.10.1
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2S AND 0.5S	AC high voltage test	IS 14697, Clause no.12.7.6.3

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2S AND 0.5S	Insulation test	IS 14697, Clause no112.7.6.4
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2S AND 0.5S	Limits of error	IS 14697, Clause no.11.1
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2S AND 0.5S	Limits of error due to other influence quantities (frequency variation)	IS 14697
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2S AND 0.5S	Limits of error due to other influence quantities (voltage variation)	IS 14697
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2S AND 0.5S	Meter constant	IS 14697, Clause no.12.14
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2S AND 0.5S	No-load condition	IS 14697, Clause no.12.12
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2S AND 0.5S	Power consumption test	IS 14697, 12.7.1
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2S AND 0.5S	Repeatability of error	IS 14697
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METERS, CLASS 0.2S AND 0.5S	Starting condition	IS 14697, Clause no.12.13
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 & 2	AC high voltage test	IS 13779, Clouse no.12.7.6.3
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 & 2	Insulation test	IS 13779, Clouse no.12.7.6.4

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33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 & 2	Limits of error	IS 13779, Clouse no.11.1
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 & 2	Limits of error due to other influence quantities (frequency variation)	IS 13779, Clouse no.11.2, table -17
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 & 2	Limits of error due to other influence quantities (voltage variation)	IS 13779, Clouse no.11.2, table-17
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 & 2	Meter constant	IS 13779. Clause no.12.15
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 & 2	No-load condition	IS 13779, Clouse no.12.13
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 & 2	Power consumption test	IS 13779
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 & 2	Repeatability of error	IS 13779, Clouse no.12.17
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 & 2	Starting condition	IS 13779, Clause nio.12.14
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 & 2)	AC high voltage test	IS 15884, Clause no.5.4.6.3
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 & 2)	Insulation test	IS 15884, Clause no.5.4.6.4
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 & 2)	Limits of error	IS 15884, Clause no.4.6.1

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44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 & 2)	Limits of error due to other influence quantities (frequency variation)	IS 15884, Clause no.4.6.2
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 & 2)	Limits of error due to other influence quantities (voltage variation)	IS 15884, Clause no.4.6.2
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 & 2)	Meter constant	IS 15884, Clause no.5.6.5
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 & 2)	No-load condition	IS 15884, Clause no.5.6.3
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 & 2)	Power consumption test	IS 15884, Clause no.5.4.1
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 & 2)	Repeatability of error	IS 15884, Clause no.5.6.7
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ALTERNATING CURRENT DIRECT CONNECTED STATIC PREPAYMENT METERS FOR ACTIVE ENERGY(CLASS 1 & 2)	Starting condition	IS 15884, Clause no.5.6.4