National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DGVCL HI-TECH LABORATORY, DAKSHIN GUJARAT VIJ COMPANY LIMITED, NANA VARACHHA ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5222 **Page No** 1 of 6

Validity 21/12/2022 to 20/12/2024 **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	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	a.c. High Voltage Test	IS 16444 (Part 2)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Insulation Resistance test	IS 16444 (Part 2)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test of immunity to earth/phase fault	IS 16444 (Part 2)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test of influence of self-heating	IS 16444 (Part 2)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test of influence quantities (i) Frequency variation (ii) Voltage variation (iii) 10 percent of 3rd Harmonic in the Current (iv) Reversed Phase Sequence (v) Voltage Unbalance	IS 16444 (Part 2)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test of no-Load Condition	IS 16444 (Part 2)
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test of repeatability of error	IS 16444 (Part 2)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test of Starting Condition	IS 16444 (Part 2)
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test on Limits of Error	IS 16444 (Part 2)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test of Meter Constant	IS 16444 (Part 2)

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test of power Consumption in current circuit	IS 16444 (Part 2)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test of power Consumption in Voltage circuit	IS 16444 (Part 2)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1.0S)	Test of power Consumption in Voltage circuit	IS 16444 (Part 2)
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	a.c. High Voltage Test	IS 14697
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Insulation Resistance test	IS 14697
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test of immunity to earth/phase fault	IS 14697
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test of influence of self-heating	IS 14697
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test of influence quantities (i) Frequency variation (ii) Voltage variation (iii) 10 percent of 3rd Harmonic in the Current (iv) Reversed Phase Sequence (v) Voltage Unbalance	IS 14697
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test of no-Load Condition	IS 14697
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test of repeatability of error	IS 14697

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21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test of Starting Condition	IS 14697
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test on Limits of Error	IS 14697
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test of Meter Constant	IS 14697
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test of power Consumption in current circuit	IS 14697
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test of power Consumption in Voltage circuit	IS 14697
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2S, 0.5S and 1S)	Test of power Consumption in Voltage circuit	IS 14697
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	a.c. High Voltage Test	IS 16444
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Insulation Resistance test	IS 16444
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of immunity to earth/phase fault	IS 16444
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of influence of self-heating	IS 16444

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31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of influence quantities (i) Frequency variation (ii) Voltage variation (iii) 10 percent of 3rd Harmonic in the Current (iv) Reversed Phase Sequence (v) Voltage Unbalance	IS 16444
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of no-Load Condition	IS 16444
33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of repeatability of error	IS 13779
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of repeatability of error	IS 16444
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of Starting Condition	IS 16444
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test on Limits of Error	IS 16444
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of Meter Constant	IS 16444
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of power Consumption in current circuit	IS 13779
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of power Consumption in current circuit	IS 16444
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of power Consumption in Voltage circuit	IS 16444

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41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of power Consumption in Voltage circuit	IS 16444
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	a.c. High Voltage Test	IS 13779
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Insulation Resistance test	IS 13779
44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of immunity to earth/phase fault	IS 13779
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of influence of self-heating	IS 13779
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of influence quantities (i) Frequency variation (ii) Voltage variation (iii) 10 percent of 3rd Harmonic in the Current (iv) Reversed Phase Sequence (v) Voltage Unbalance	IS 13779
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of Meter Constant	IS 13779
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of no-Load Condition	IS 13779
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of power Consumption in Voltage circuit	IS 13779
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of power Consumption in Voltage circuit	IS 13779

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51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test of Starting Condition	IS 13779
52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 and 2)	Test on Limits of Error	IS 13779