National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CMS COMPUTERS LIMITED - ENERGY METER TESTING LABORATORY, 70, LAKE ROAD, KAYCEE COMPOUND, BHANDUP (WEST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11278 **Page No** 1 of 6

Validity 10/01/2023 to 09/01/2025 **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	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	AC High Voltage Test	IS 14697
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	AC High Voltage Test	CBIP 325 (Clause 5.4.6.3)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	Insulation Test	CBIP 325 (Clause 5.4.6.4)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	Insulation Test	IS 16444
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	No Load Test	CBIP 325 (Clause 5.6.4)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	No Load Test	IS 16444
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	Power Consumption Test (Current Circuit)	CBIP 325 (Clause 5.4.1.2)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	Power Consumption Test (Current Circuit)	IS 16444
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	Power Consumption Test (Voltage Circuit)	CBIP 325 (Clause 5.4.1.1)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	Power Consumption Test (Voltage Circuit)	IS 16444

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	Repeatability of Error	CBIP 325 (Clause 5.6.9)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	Starting Current Test	CBIP 325
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase and Three Phase Watthour Meters Class 1 and Class 2	Starting Current Test	IS 16444
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase Watthour Meters Class 1 and Class 2	Limits of Error	CBIP 325 (Clause 5.6.8)
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase Watthour Meters Class 1 and Class 2	Limits of Error	IS 13779
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase Watthour Meters Class 1 and Class 2	Limits of Error	IS 16444
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase Watthour Meters Class 1 and Class 2	Meter Constant	CBIP 325 (Clause 5.6.6)
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase Watthour Meters Class 1 and Class 2	Meter Constant	IS 13779
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase Watthour Meters Class 1 and Class 2	Meter Constant	IS 16444
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase Watthour Meters Class 1 and Class 2	Repeatability of Error	IS 13779
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Single Phase Watthour Meters Class 1 and Class 2	Repeatability of Error	IS 16444

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Three Phase Watthour Meters Class 1 and Class 2	Limits of Error	CBIP 325 (Clause 5.6.8)
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Three Phase Watthour Meters Class 1 and Class 2	Limits of Error	IS 13779
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Three Phase Watthour Meters Class 1 and Class 2	Limits of Error	IS 16444
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Three Phase Watthour Meters Class 1 and Class 2	Meter Constant	CBIP 325 (Clause 5.6.6)
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Three Phase Watthour Meters Class 1 and Class 2	Meter Constant	IS 13779
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Three Phase Watthour Meters Class 1 and Class 2	Meter Constant	IS 16444
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Three Phase Watthour Meters Class 1 and Class 2	Repeatability of Error	CBIP 325 (Clause 5.6.9)
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Three Phase Watthour Meters Class 1 and Class 2	Repeatability of Error	IS 13779
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Three Phase Watthour Meters Class 1 and Class 2	Repeatability of Error	IS 16444
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	AC High Voltage Test	IS 13779
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	AC High Voltage Test	IS 16444

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33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Insulation Test	IS 13779
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	No Load Test	IS 13779
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Power Consumption Test (Current Circuit)	IS 13779
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Power Consumption Test (Voltage Circuit)	IS 13779
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 & 2	Starting Current Test	IS 13779
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	AC High Voltage Test	CBIP 325 (Clause 5.4.6.3)
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	AC High Voltage Test	IS 16444 (Part 2)
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Insulation Test	CBIP 325 (CL 5.4.6.4)
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Insulation Test	IS 14697
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Insulation Test	IS 16444 (Part 2)
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Limits of Error	CBIP 325 (Clause 5.6.8)

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44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Limits of Error	IS 14697
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Limits of Error	IS 16444 (Part 2)
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Meter Constant	CBIP 325 (Clause 5.6.6)
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Meter Constant	IS 14697
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Meter Constant	IS 16444 (Part 2)
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	No Load Test	IS 14697
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	No Load Test	IS 16444 (Part 2)
51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Power Consumption Test (Current Circuit)	CBIP 325 (Clause 5.4.1.2)
52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Power Consumption Test (Current Circuit)	IS 16444 (Part 2)
53	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Power Consumption Test (Voltage Circuit)	CBIP 325 (Clause 5.4.1.1)
54	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Power Consumption Test (Voltage Circuit)	IS 16444 (Part 2)

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55	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Power Consumption Test (Current Circuit)	IS 14697
56	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Power Consumption Test (Voltage Circuit)	IS 14697
57	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Repeatability of Error	CBIP 325 (Clause 5.6.9)
58	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Repeatability of Error	IS 14697
59	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Repeatability of Error	IS 16444 (Part 2)
60	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Starting Current Test	CBIP 325
61	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Starting Current Test	CBIP 325
62	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Starting Current Test	IS 14697
63	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Static (CT) Transformer Operated Watthour Meters of Class 0.2s, 0.5s	Starting Current Test	IS 16444 (Part 2)