National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : METER TESTING LABORATORY, TORRENT POWER LIMITED, NARANPURA ZONAL OFFICE PREMISES, SOLA ROAD, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7157 **Page No** 1 of 5

Validity 22/12/2022 to 21/12/2024 **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	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Effect of Self Heating	CBIP - 325
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Frequency variation	CBIP - 325
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Insulation Resistance test	CBIP - 325
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Limits of Error	CBIP - 325
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Repeatability of Errors	CBIP - 325
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Reverse Phase sequence	CBIP - 325
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Start up tests of Energy meter	CBIP - 325
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Starting Condition	CBIP - 325
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Voltage unbalance	CBIP - 325
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Voltage variation	CBIP - 325

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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
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Meter Constant	CBIP - 325
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	No Load Condition	CBIP - 325
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Power consumption	CBIP - 325
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1)	Waveform	CBIP - 325
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Effect of Self Heating	IS 14697
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Frequency variation	IS 14697
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Insulation Resistance test	IS 14697
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Limits of Error	IS 14697
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Meter Constant	IS 14697
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	No Load Condition	IS 14697
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Power consumption	IS 14697

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Repeatability of Errors	IS 14697
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Reverse Phase sequence	IS 14697
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Start up tests of Energy meter	IS 14697
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Starting Condition	IS 14697
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Voltage unbalance	IS 14697
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Voltage variation	IS 14697
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 0.2S, 0.5S & 1.0S)	Waveform	IS 14697
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Effect of Self Heating	IS 13779
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Frequency variation	IS 13779
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Insulation Resistance test	IS 13779
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Limits of Error	IS 13779

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33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Meter Constant	IS 13779
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	No Load Condition	IS 13779
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Power consumption	IS 13779
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Repeatability of Errors	IS 13779
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Reverse Phase sequence	IS 13779
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Start up tests of Energy meter	IS 13779
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Starting Condition	IS 13779
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Voltage unbalance	IS 13779
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Voltage variation	IS 13779
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters (Class 1 & 2)	Waveform	IS 13779
43	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers 0.1, 0.2S, 0.2, 0.5S, 0.5, 1.0, 3.0, 5.0	Limits of Errors: Phase Error	IS 16227 (Part 2)

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44	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers 0.1, 0.2S, 0.2, 0.5S, 0.5, 1.0, 3.0, 5.0	Limits of Errors: Ratio Error	IS 16227 (Part 2)
45	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers 0.1, 0.2S, 0.2, 0.5S, 0.5, 1.0, 3.0, 5.0	Limits of Errors: Phase Error	IS 2705 (Part 2) (Withdrawn Standard)
46	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers 0.1, 0.2S, 0.2, 0.5S, 0.5, 1.0, 3.0, 5.0	Limits of Errors: Ratio Error	IS 2705 (Part 2) (Withdrawn Standard)