National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7227 **Page No** 1 of 52

Validity 16/06/2022 to 18/05/2023 **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 Static Direct connected & Transformer Operated Watthour & VAR-Hour Smart meter Class 0.2S,0.5S and 1.0S	Dielectric Strength or Ac High Voltage	Cl. No. 6.10.6 of IS 16444(Part 2)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct connected & Transformer Operated Watthour & VAR-Hour Smart meter, Class 0.2S,0.5S and 1.0S	Influence Quantities - Voltage Variation, Frequency Variation, Phase Sequence, Voltage Unbalance, Wave Form / Harmonics Components	Cl. No. 6.12 of IS 16444 (PART 2)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Electrical Energy Meter,Class0.2S,0.5S and 1.0	Dielectric Strength or Ac High Voltage	Cl. No. 5.4.6.3 of CBIP PUBLICATION: 325 JANUARY
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour & VARhour Meters,Class 0.2S and 0.5S	Dielectric Strength or Ac High Voltage	Cl. No. 12.7.6.3 of IS 14697 AMD. 1 TO 4
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour & VARhour Meters,Class 0.2S and 0.5S	Effect of Self Heating	Cl. No. 12.7.4 of IS 14697 AMD. 1 TO 4
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour & VARhour Meters,Class 0.2S and 0.5S	Repeatability of Errors Test	Cl. No. 12.16 of IS 14697 AMD. 1 TO 4
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour meter, Class 1 and 2	Immunity to Earth Fault / Abnormal Voltage Condition	Cl. 12.8 OF IS 13779 AMD. 1 TO 5
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour meter, Class 1 and 2	Effect of Self Heating	Cl. No. 12.7.4 of IS 13779 AMD. 1 TO 5
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour meter, Class 1 and 2	Repeatability of Errors Test	Cl. No. 12.17 of IS 13779 AMD. 1 TO 5
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments , Class 0.2,0.5 and 1.0	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 5.4.1 of CBIP Publication No. 304

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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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, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments , Class 0.2,0.5,1 and 1.5	INFLUENCE QUNTITIES - VOLTAGE VARIATION - FREQUENCY VARIATION - PHASE SEQUENCE - VOLTAGE UNBALANCE - WAVE FORM	Cl. No. 5 of NMI M 6-1:JULY
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments , Class 0.2S and 0.5S	INFLUENCE QUNTITIES - VOLTAGE VARIATION - FREQUENCY VARIATION - PHASE SEQUENCE - VOLTAGE UNBALANCE - WAVE FORM	Cl. No. 8.2 of IEC 62053-22
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments , Class 0.2S and 0.5S	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. 11.1 OF IS 14697 AMD: 1 TO 4
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments , Class 0.2S,0.5S and 1.0	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. 4.6.2 of CBIP PUBLICATION NO.: 325 JANUARY
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments ,Class 0.2S and 0.5S	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	Cl. 12.17 of IS 14697 AMD. 1 TO 4
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments ,Class 0.2S,0.5S and 1.0	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	Cl. 4.4.7 of CBIP PUBLICATION NO.: 325 , JANUARY
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments with its CT PT Unit, Class 0.2S,0.5S,1S ,0.2,0.5,1,1.5 and 2	Tampered Meter Verification	DERC Supply Codes and Performance Standards Regulations, 2017
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2, 0.5 and 1.0	GENERAL & CONSTRUCTIONAL REQUIREMENTS	Cl. No. 4.2 of CBIP PUBLICATION: 304
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	EFFECT OF SELF HEATING	Cl. No. 5.4.4 of CBIP PUBLICATION: 304

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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
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	Cl. 4.4.7 of CBIP PUBLICATION NO: 304
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INFLUENCE OF HEATING	Cl. No. 5.4.5 of CBIP PUBLICATION No. : 304
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INFLUENCE OF HEATING	Cl. No. 5.4.5 of CBIP PUBLICATION NO.: 304
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INFLUENCE OF HEATING	Cl. No. 5.4.5 of CBIP PUBLICATION: 304
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 5.4.2 of CBIP PUBLICATION NO.: 304
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 5.4.2 of CBIP PUBLICATION: 304
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 5.6.2 of CBIP PUBLICATION: 304
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 5.6.2 of CBIP PUBLICATION: 304
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 5.6.2 of CBIP PUBLICATION: 304

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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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
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 5.6.2 of CBIP PUBLICATION: 304
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INSULATION RESISTANCE	Cl. No. 5.4.6.4 of CBIP Publication No. :304
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 5.6.7 of CBIP PUBLICATION: 304
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. 4.6.3 of CBIP PUBLICATION: 304
33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	METER CONSTANT	Cl. No. 5.6.6 of CBIP PUBLICATION: 304
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	REPEATABILITY OF ERRORS TEST	Cl. No. 5.6.9 of CBIP PUBLICATION: 304
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 5.6.4 of CBIP PUBLICATION: 304
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	STARTING CONDITIONS, START UP	Cl. No. 5.6.5 of CBIP PUBLICATION: 304
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 5.4.1 of CBIP Publication No. : 304

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38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5 and 1.0	VERIFICATION OF MARKING	Cl. No. 4.2.2.11 of CBIP PUBLICATION: 304
39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5,1 and 1.5	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	A.2.14 of NMI M 6-1: JULY
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5,1 and 1.5	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	A.2.14 of NMI M 6-1: JULY
41	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5,1 and 1.5	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 5 of NMI M 6-1:JULY
42	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5,1 and 1.5	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 5 of NMI M 6-1:JULY
43	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5,1 and 1.5	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 5 of NMI M 6-1:JULY
44	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5,1 and 1.5	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. No. 4.8 of NMI M 6-1:JULY
45	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5,1 and 1.5	METER CONSTANT	Cl. No. 4.6 of NMI M 6-1:JULY
46	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5,1 and 1.5	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 5.7 of NMI M 6-1:JULY

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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
47	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5,1 and 1.5	STARTING CONDITIONS, START UP	Cl. No. 5.7 of NMI M 6-1:JULY
48	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2,0.5,1 and 1.5	VERIFICATION OF MARKING	Cl. No. 8 of NMI M 6-1: JULY
49	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S ,0.5S and 1.0S	EFFECT OF SELF HEATING	Cl. No. 6.10.4 of IS 16444 (PART 2)
50	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	GENERAL & CONSTRUCTIONAL REQUIREMENTS	Cl. No. 6.6 of IS 14697 AMD. 1 TO 4
51	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	GENERAL & CONSTRUCTIONAL REQUIREMENTS	Cl.No.5 of IEC: 62053-22
52	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	IEC 62053-22
53	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE OF HEATING	Cl. No. 12.7.5 IS 14697 AMD. 1 TO 4
54	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE OF HEATING	Cl. No. 12.7.5 of IS 14697 AMD. 1 TO 4
55	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE OF HEATING	Cl. No. 12.7.5 of IS 14697 AMD. 1 TO 5

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56	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 12.7.2 of IS 14697 AMD. 1 TO 4
57	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	IEC 62053-22
58	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	IEC 62053-22
59	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 12.7.2 14697 AMD. 1 TO 4
60	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 12.10 of IS 14697 AMD. 1 TO 4
61	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 12.10 of IS 14697 AMD. 1 TO 4
62	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 12.10 of IS 14697 AMD. 1 TO 4
63	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 12.10 of IS 14697 AMD. 1 TO 4
64	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.2 of IEC 62053-22

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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
65	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.2 of IEC 62053-22
66	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.2 of IEC 62053-22
67	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INFLUENCE QUNTITIES - VOLTAGE VARIATION - FREQUENCY VARIATION - PHASE SEQUENCE - VOLTAGE UNBALANCE - WAVE FORM	Cl. No. 8.2 of IEC 62053-22
68	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INSULATION RESISTANCE	Cl. No. 12.7.6.4 of IS 14697 AMD 1 TO 4
69	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 12.15 of IS 14697 AMD. 1 TO 4
70	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 8.6 of IEC 62053-22
71	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. No. 8.1 of IEC 62053-22
72	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	METER CONSTANT	Cl. No. 8.4 of IEC 62053-22
73	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	METER CONSTANT	Cl. No. 12.14 of IS 14697 AMD 1 TO 4

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74	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 8.3 of IEC 62053-22
75	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 12.12 of IS 14697 AMD. 1 TO 4
76	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	STARTING CONDITIONS, START UP	Cl. No. 12.13 of IS 14697 AMD. 1 TO 4
77	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	STARTING CONDITIONS, START UP	Cl. No. 8.3 of IEC 62053-22
78	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 12.7.1 of IS 14697 AMD. 1 TO 4
79	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 12.7.1 of IS 14697 AMD. 1 TO 4
80	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 7.1 of IEC 62053-22
81	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 7.1 of IEC: 62053-22
82	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	VERIFICATION OF MARKING	Cl. No. 7 of IS 14697 AMD. 1 TO 4

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83	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S and 0.5S	VERIFICATION OF MARKING	Cl.No, 5 of IEC 62053-22
84	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	Effect of Self Heating	Cl. No. 5.4.4 of CBIP PUBLICATION NO.: 325 , JANUARY
85	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	GENERAL & CONSTRUCTIONAL REQUIREMENTS	Cl. No. 4.2 of CBIP PUBLICATION NO.: 325 , JANUARY
86	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	INFLUENCE OF HEATING	Cl. No. 5.4.5 of CBIP PUBLICATION NO.: 325 , JANUARY
87	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	INFLUENCE OF HEATING	Cl. No. 5.4.5 of CBIP PUBLICATION NO.: 325 , JANUARY
88	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	INFLUENCE OF HEATING	Cl. No. 5.4.5 of CBIP PUBLICATION NO.: 325 , JANUARY
89	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 5.4.2 of CBIP PUBLICATION NO.: 325 , JANUARY
90	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 5.4.2 of CBIP PUBLICATION NO.: 325 , JANUARY
91	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 5.6.2 of CBIP PUBLICATION: 325 January

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92	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 5.6.2 of CBIP PUBLICATION: 325 January
93	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 5.6.2 of CBIP PUBLICATION: 325 January
94	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	INSULATION RESISTANCE	Cl. No. 5.4.6.4 of CBIP PUBLICATION : 325 JANUARY
95	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 5.6.7 of CBIP PUBLICATION NO.: 325 JANUARY
96	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	METER CONSTANT	Cl. No. 5.6.6 of CBIP PUBLICATION NO.: 325 , JANUARY
97	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	REPEATABILITY OF ERRORS TEST	Cl. No. 5.6.9 of CBIP PUBLICATION NO.: 325 , JANUARY
98	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 5.6.4 of CBIP PUBLICATION NO.: 325 , JANUARY
99	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	STARTING CONDITIONS, START UP	Cl. No. 5.6.5 of CBIP PUBLICATION NO.: 325 , JANUARY
100	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 5.4.1 of CBIP Publication No. : 325 January

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101	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 5.4.1 of CBIP Publication No. : 325 January
102	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0	VERIFICATION OF MARKING	Cl. No. 4.2.2.11 of CBIP PUBLICATION NO.: 325 , JANUARY
103	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1.0S	GENERAL & CONSTRUCTIONAL REQUIREMENTS	Cl. No. 6.2 of IS 16444(PART 2)
104	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	Cl.6.10.7 of IS 16444 (PART 2)
105	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	INFLUENCE OF HEATING	Cl. No. 6.10.5 IS 16444(Part 2)
106	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	INFLUENCE OF HEATING	Cl. No. 6.10.5 of IS 16444(Part 2)
107	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	INFLUENCE OF HEATING	Cl. No. 6.10.5 of IS 16444(Part 2)
108	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl.No. 6.10.2 of IS 16444 (PART 2)
109	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl.No. 6.10.2 of IS 16444 (PART 2)

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110	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 6.12 of IS 16444(PART 2)
111	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 6.12 of IS 16444(PART 2)
112	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 6.12 of IS 16444(PART 2)
113	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	INSULATION RESISTANCE	CL. No. 6.10.6 of IS 16444(PART 2)
114	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 6.12 of IS 16444(PART 2)
115	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. No. 6.12 of IS 16444(PART 2)
116	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	METER CONSTANT	Cl. No. 6.12 of IS 16444(PART 2)
117	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	REPEATABILITY OF ERRORS TEST	Cl. No. 6.12 of IS 16444(PART 2)
118	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 6.12 of IS 16444(PART 2)

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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
119	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	STARTING CONDITIONS, START UP	Cl. No. 6.12 of IS 16444(PART 2)
120	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 6.10.1 of IS 16444
121	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 6.10.1 of IS 16444 (Part 2)
122	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 6.10.1 of IS 16444(Part 2)
123	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	VERIFICATION OF MARKING	Cl. No. 6.8 of IS 16444 (PART 2)
124	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	EFFECT OF SELF HEATING	Cl. No. 6.2.2 of OIML R 46-1 AND 2:12 AUGUST
125	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	EFFECT OF SELF HEATING	IEC 62052-11
126	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	GENERAL & CONSTRUCTIONAL REQUIREMENTS	Cl. No. 5.6 of IEC 62052-11
127	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	Cl. 6.4.11 of OIML R 46-1 & 2:12 AUGUST

SCOPE OF ACCREDITATION

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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
128	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	Cl. 7.4 of IEC: 62052-11
129	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 7.1.2 of IEC: 62052-11
130	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 6.4.5 of OIML R 46-1 & 2:12 AUGUST
131	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 6.4.5 of OIML R 46-1 & 2:12 AUGUST
132	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 7.1.2 of IEC: 62052-11
133	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 3.3.5 of OIML R 46-1 AND 2:12 AUGUEST
134	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 3.3.5 of OIML R 46-1 AND 2:12 AUGUEST
135	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 3.3.5 of OIML R 46-1 AND 2:12 AUGUEST
136	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 3.3.5 of OIML R 46-1 AND 2:12 AUGUEST

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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137	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	IEC 62052-11
138	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	IEC 62052-11
139	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	IEC 62052-11
140	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	IEC 62052-11
141	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	IEC: 62052-11
142	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. No. 3.3 of OIML R 46-1 AND 2:12 AUGUEST
143	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	LIMITS OF ERRORS / ACCURACY REQUIREMENT	IEC 62052-11
144	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	METER CONSTANT	Cl. No. 6.2.5 of OIML R 46-1 AND 2: 12 AUGUEST
145	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	METER CONSTANT	IEC: 62052-11

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Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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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
146	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 6.2.4 of OIML R 46-1 AND 2:12 AUGUST
147	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	RUNNING WITH NO LOAD / NO-LOAD CONDITION	IEC: 62052-11
148	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	STARTING CONDITIONS, START UP	Cl. No. 6.2.3 of OIML R 46-1 AND 2:12 AUGUST
149	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	STARTING CONDITIONS, START UP	IEC: 62052-11
150	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	TEST OF POWER CONSUMPTION / POWER LOSS	IEC 62052-11
151	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	TEST OF POWER CONSUMPTION / POWER LOSS	IEC 62052-11
152	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	VERIFICATION OF MARKING	Cl. No. 3.5 of OIML R 46-1 AND 2:12 AUGUST
153	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S,1,2 and 3	VERIFICATION OF MARKING	Cl. No. 5.12 of IEC: 62052-11
154	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	GENERAL & CONSTRUCTIONAL REQUIREMENTS	IEC 62053-24

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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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
155	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	INFLUENCE OF HEATING	IEC 62053-24
156	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	INFLUENCE OF HEATING	IEC 62053-24
157	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	IEC 62053-24
158	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	IEC 62053-24
159	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.3 of IEC 62053-24
160	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.3 of IEC 62053-24
161	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.3 of IEC 62053-24
162	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.3 of IEC 62053-24
163	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 8.7 of IEC 62053-24

SCOPE OF ACCREDITATION

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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
164	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. No. 8.2 of IEC 62053-24
165	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	METER CONSTANT	Cl. No. 8.5 of IEC 62053-24
166	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 8.4 of IEC 62053-24
167	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	STARTING CONDITIONS, START UP	Cl. No. 8.4 of IEC 62053-24
168	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 7.2 of IEC 62053-24
169	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 7.2 of IEC 62053-24
170	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S and 1	VERIFICATION OF MARKING	IEC 62053-24
171	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	GENERAL & CONSTRUCTIONAL REQUIREMENTS	IS 15707
172	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	IS 15707

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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173	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	INFLUENCE OF HEATING	IS 15707
174	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	INFLUENCE OF HEATING	IS 15707
175	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	INFLUENCE OF HEATING	IS 15707
176	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	IS 15707
177	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	IS 15707
178	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	IS 15707
179	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	INFLUENCE QUNTITIES - VOLTAGE VARIATION - FREQUENCY VARIATION - PHASE SEQUENCE - VOLTAGE UNBALANCE - WAVE FORM	IS 15707
180	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	INSULATION RESISTANCE	IS 15707
181	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	IS 15707

SCOPE OF ACCREDITATION

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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
182	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	LIMITS OF ERRORS / ACCURACY REQUIREMENT	IS 15707
183	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	METER CONSTANT	IS 15707
184	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	REPEATABILITY OF ERRORS TEST	IS 15707
185	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	RUNNING WITH NO LOAD / NO-LOAD CONDITION	IS 15707
186	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	STARTING CONDITIONS, START UP	IS 15707
187	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	IS 15707
188	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	IS 15707
189	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.5S,1S,1 and 2	VERIFICATION OF MARKING	IS 15707
190	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	Cl. 4.4.2.6 of IS 15884

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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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
191	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	EFFECT OF SELF HEATING	Cl. No. 5.4.4 of IS 15884
192	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	EFFECT OF SELF HEATING	Cl. No. 6.10.4 of IS 16444
193	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	EFFECT OF SELF HEATING	Cl. No. 7.3 of IEC 62053-21
194	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	EFFECT OF SELF HEATING	Cl. No. 7.6 of IEC 62055-31
195	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	GENERAL & CONSTRUCTIONAL REQUIREMENTS	Cl. No. 4.2.6 of IS 15884
196	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	GENERAL & CONSTRUCTIONAL REQUIREMENTS	Cl. No. 6.2 of IS 16444
197	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	GENERAL & CONSTRUCTIONAL REQUIREMENTS	Cl. No. 6.6 of IS 13779 AMD. 1 TO 5
198	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	GENERAL & CONSTRUCTIONAL REQUIREMENTS	IEC 62053-21
199	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	GENERAL & CONSTRUCTIONAL REQUIREMENTS	IEC 62055-31

SCOPE OF ACCREDITATION

Laboratory Name :	BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA		
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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
200	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	Cl No. 7.4 of IEC 62053-21
201	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	Cl. 6.10.7 of IS 16444
202	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	Cl. 7.2.3 of IEC 62055-31
203	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 12.7.5 of IS 13779 AMD 1 TO 5
204	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 12.7.5 oF IS 13779 AMD. 1 TO 5
205	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 12.7.5 of IS 13779 AMD. 1 TO 5
206	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 5.4.5 of IS 15884
207	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 5.4.5 of IS 15884
208	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 5.4.5 of IS 15884

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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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
209	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 6.10.5 of IS 16444
210	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 6.10.5 of IS 16444
211	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 6.10.5 of IS 16444
212	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 7.5 of IEC 62055-31
213	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 7.5 of IEC 62055-31
214	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF HEATING	Cl. No. 7.5 of IEC 62055-31
215	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 12.7.2 of IS 13779 AMD. 1 TO 5
216	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 12.7.2 of IS 13779 AMD. 1 TO 5
217	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 4.4.2. & 5.4.2 of IS 15884

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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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
218	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 4.4.2. & 5.4.2 of IS 15884
219	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 6.10.2 of IS 16444
220	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 6.10.2 of IS 16444
221	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 7.2.2 of IEC 62055-31
222	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	Cl. No. 7.2.2 of IEC 62055-31
223	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	IEC 62053-21
224	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	IEC 62053-21
225	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 12.11 of IS 13779 AMD. 1 TO 5
226	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 12.11 of IS 13779 AMD. 1 TO 5

SCOPE OF ACCREDITATION

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227	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 12.11 of IS 13779 AMD. 1 TO 5
228	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 12.11 of IS 13779 AMD. 1 TO 5
229	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 4.6.2 of IS 15884
230	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 4.6.2 of IS 15884
231	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 4.6.2 of IS 15884
232	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 6.12 of IS 16444
233	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 6.12 of IS 16444
234	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 6.12 of IS 16444
235	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8 of IEC 62055-31

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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236	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8 of IEC 62055-31
237	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8 of IEC 62055-31
238	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8 of IEC 62055-31
239	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.2 of IEC 62053-21
240	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.2 of IEC 62053-21
241	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.2 of IEC 62053-21
242	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUNTITIES - VOLTAGE VARIATION - FREQUENCY VARIATION - PHASE SEQUENCE - VOLTAGE UNBALANCE - WAVE FORM	Cl. No. 4.6.2 of IS 15884
243	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUNTITIES - VOLTAGE VARIATION - FREQUENCY VARIATION - PHASE SEQUENCE - VOLTAGE UNBALANCE - WAVE FORM	Cl. No. 6.12 of IS 16444
244	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INSULATION RESISTANCE	Cl. No. 5.4.6.4 of IS 15884

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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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
245	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INSULATION RESISTANCE	Cl. No. 6.10.6 of IS 16444
246	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 8.6 of IEC 62053-21
247	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 12.16 of IS 13779 AMD. 1 TO 5
248	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 5.6.6 of IS 15884
249	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 6.12 of IS 16444
250	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 8 of IEC 62055-31
251	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. 11.1 OF IS 13779 AMD: 1 TO 5
252	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. 4.6.1 of IS 15884
253	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. 6.12 of IS 16444

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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254	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. 8.1 of IEC 62053-21
255	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. No. 8 of IEC 62055-31
256	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	METER CONSTANT	Cl. No. 6.12 of IS 16444
257	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	METER CONSTANT	Cl. No. 5.6.5 of IS 15884
258	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	METER CONSTANT	Cl. No. 8 of IEC 62055-31
259	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	METER CONSTANT	Cl. No. 12.15 of IS 13779 AMD.1 TO 5
260	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	METER CONSTANT	Cl. No. 8.4 of IEC 62053-21
261	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	REPEATABILITY OF ERRORS TEST	Cl. No. 5.6.7 of IS 15884
262	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	REPEATABILITY OF ERRORS TEST	Cl. No. 6.12 of IS 16444

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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263	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 12.13 of IS 13779 AMD. 1 TO 5
264	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 6.12 of IS 16444
265	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 8 of IEC 62055-31
266	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 8.3 of IEC 62053-21
267	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 5.6.3 of IS 15884
268	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	STARTING CONDITIONS, START UP	Cl. No. 5.6.4 of IS 15884
269	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	STARTING CONDITIONS, START UP	Cl. No. 6.12 of IS 16444
270	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	STARTING CONDITIONS, START UP	Cl. No. 8 of IEC 62055-31
271	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	STARTING CONDITIONS, START UP	Cl. No. 8.3 of IEC 62053-21

SCOPE OF ACCREDITATION

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272	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	STARTING CONDITIONS, START UP	Cl. No. 12.14 of IS 13779 AMD. 1 TO 5
273	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 12.7.1 of IS 13779 AMD. 1 TO 5
274	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 12.7.1 of IS 13779 AMD. 1 TO 5
275	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 5.4.1 of IS 15884
276	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 5.4.1 of IS 15884
277	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 6.10.1 of IS 16444
278	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 7.1 of IEC 62053-21
279	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 7.1 of IEC: 62053-21
280	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 7.3 of IEC 62055-31

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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281	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 7.3 of 62055-31
282	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	VERIFICATION OF MARKING	Cl. No. 4.2.11 of IS 15884
283	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	VERIFICATION OF MARKING	Cl. No. 5.13 of IEC 62055-31
284	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	VERIFICATION OF MARKING	Cl. No. 6.8 of IS 16444
285	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	VERIFICATION OF MARKING	IEC 62053-21
286	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	EFFECT OF SELF HEATING	Cl. No. 7.3 of IEC 62053-23
287	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	GENERAL & CONSTRUCTIONAL REQUIREMENTS	IEC 62053-23
288	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	IEC 62053-23
289	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	IEC 62053-23

SCOPE OF ACCREDITATION

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290	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	IEC 62053-23
291	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.2 of IEC 62053-23
292	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.2 of IEC 62053-23
293	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	INFLUENCE QUANTITIES - VOLTAGE VARIATION, FRIQUENCY VARIATION, PHASE SEQUENCE, VOLTAGE UNBALANCE,WAVE FORM	Cl. No. 8.2 of IEC 62053-23
294	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	INFLUENCE QUNTITIES - VOLTAGE VARIATION - FREQUENCY VARIATION - PHASE SEQUENCE - VOLTAGE UNBALANCE - WAVE FORM	Cl. No. 8.2 of IEC 62053-23
295	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	INTERPRETATION OF TEST RESULTS AND ADJUSTMENTS	Cl. No. 8.6 of IEC 62053-23
296	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	LIMITS OF ERRORS / ACCURACY REQUIREMENT	Cl. NO. 8.1 of IEC 62053-23
297	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	METER CONSTANT	Cl. 8.4 of IEC 62053-23
298	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	RUNNING WITH NO LOAD / NO-LOAD CONDITION	Cl. No. 8.3 of IEC 62053-23

SCOPE OF ACCREDITATION

Laboratory Name : BARODA CALIBRATION SERVICES, SURVEY NO: 88, RAMAN GAMDI TO KASHIPURA ROAD, RAMAN GAMDI, POR, VADODARA, GUJARAT, INDIA

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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
299	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	STARTING CONDITIONS, START UP	Cl. No. 8.3 of IEC 62053-23
300	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 7.1 of IEC 62053-23
301	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 7.1 of IEC 62053-23
302	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 2 and 3	VERIFICATION OF MARKING	IEC 62053-23
303	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class0.2,0.5,1 and 1.5	GENERAL & CONSTRUCTIONAL REQUIREMENTS	NMI M 6-1: JULY
304	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments,Class 0.2,0.5,1 and 1.5	Dielectric Strength or Ac High Voltage	A.2.20 of NMI M 6-1: JULY
305	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments,Class 0.5S,1S and 1	IMMUNITY TO EARTH FAULT / ABNORMAL VOLTAGE CONDITION	IEC 62053-24
306	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments,Class 1 and 2	VERIFICATION OF MARKING	Cl. No. 7 of IS 13779 AMD. 1 OT 5
307	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff and load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	DIELECTRIC STRENGTH OR AC HIGH VOLTAGE	Cl. 12.7.6.3 of IS 13779 AMD. 1 TO 5

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308	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff and load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments,Class 1 and 2	INSULATION RESISTANCE (500V DC)	Cl. No. 12.7.6.4 of IS 13779 AMD 1 TO 5
309	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ELECTRICAL AND ELECTRONIC (STATIC) ENERGY METERSElectrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE QUNTITIES - VOLTAGE VARIATION - FREQUENCY VARIATION - PHASE SEQUENCE - VOLTAGE UNBALANCE - WAVE FORM	Cl. No. 8.2 of IEC 62053-21
310	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Static Energy Meter for Reactive Energy, Class 0.5S,1S and 1	Influence of Heating	IEC 62053-24
311	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Static Energy Meter for Reactive Energy,Class 0.2S,0.5S and 1	Influence Quantities - Voltage Variation, Frequency Variation, Phase Sequence, Voltage Unbalance, Wave Form / Harmonics Components	Cl. No. 5.6.2 of CBIP PUBLICATION: 325 January
312	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 0.2S and 0.5S	Dielectric Strength or Ac High Voltage	Cl. No. 7.4 of IEC 62053-22
313	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 0.2S and 0.5S	Effect of Self Heating	Cl. No. 7.3 of IEC 62053-22
314	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 0.5S,1S and 1	Effect of Self Heating	Cl. No. 7.4 of IEC 62053-24
315	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 0.5S,1S,1 and 2	Dielectric Strength or Ac High Voltage	IS 15707
316	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 1 and 2	Dielectric Strength or Ac High Voltage	Cl. No. 7.7 of IEC 62055-31
317	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 1 and 2	Dielectric Strength or Ac High Voltage	Cl. No. 5.4.6.3 of IS 15884

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318	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 1 and 2	Dielectric Strength or Ac High Voltage	Cl. No. 6.10.6 of IS 16444
319	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 1 and 2	Dielectric Strength or Ac High Voltage	Cl. No. 7.4 of IEC 62053 - 21
320	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 2 and 3	Dielectric Strength or Ac High Voltage	Cl. No. 7.4 of IEC 62053-23
321	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy,Class 0.2S ,0.5S ,1 2 and 3	Dielectric Strength or Ac High Voltage	Cl.No. 7.3.3 of IEC: 62052 - 11
322	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy,Class 0.5S,1S and 1	Dielectric Strength OR AC High Voltage	Cl. No. 7.5 of IEC 62053-24
323	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Meters,Class 0.5S,1S ,1 and 2	Effect of Self Heating	IS 15707
324	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Partial Discharge Measurement	CL. NO. 7.3.2.1, 7.3.2.2 OF IS 16227 (Part 3)
325	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Partial Discharge Measurement	CL. NO. 7.3.2.1, 7.3.2.2 OF IEC 61869 -1
326	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Partial Discharge Measurement	CL. NO. 7.3.2.1, 7.3.2.2 OF IEC 61869 -3
327	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Partial Discharge Measurement	CL. NO. 7.3.2.1, 7.3.2.2 OF IS 16227 (Part 1)
328	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage : 600V to 66kV	Partial Discharge Measurement	CL. NO. 7.3.2.1, 7.3.2.2 OF IS 16227 (Part 1)
329	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage : 600V to 66kV	Partial Discharge Measurement	IS 11322
330	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage : 600V to 66kV	Partial Discharge Measurement	CL. NO. 7.3.2.1, 7.3.2.2 OF IEC 61869 -1

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331	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage : 600V to 66kV	Partial Discharge Measurement	IS 2705 (Part 1) CL. 9.1.2(e)
332	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Partial Discharge Measurement	CL. NO. 7.3.2.1, 7.3.2.2 OF IEC 61869 -3
333	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Partial Discharge Measurement	IS 11322
334	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Partial Discharge Measurement	CL. NO. 7.3.2.1, 7.3.2.2 OF IS 16227 (Part 3)
335	ELECTRICAL- HIGH VOLTAGE TEST FACILITY	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Partial Discharge Measurement	IS 3156 (Part1) Cl. No. 9.1.2(d)
336	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer, 1A to 2000A / 5A-1A, Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Temperature Rise Test	CL. NO. 7.2.2 OF IS 16227 (Part 2)
337	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Determination of Instrument Security Factor	CL. NO. 7.2.6.202 OF IEC 61869 – 2
338	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Determination of Instrument Security Factor	CL. NO. 7.2.6.202 OF IS 16227 (Part 2)
339	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Determination of The Secondary Winding Resistance	CL. NO. 7.3.201 OF IEC 61869 – 2
340	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Determination of The Secondary Winding Resistance	CL. NO. 7.3.201 OF IS 16227 (Part 2)
341	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Inter-Turn Overvoltage Test	CL. NO. 7.3.204 OF IS 16227 (Part 2)
342	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Inter-Turn Overvoltage Test	CL. NO. 7.3.204 OF IEC 61869 – 2
343	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IEC 61869 – 1
344	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IEC 61869 – 1

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345	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IS 16227 (Part 1)
346	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IS 16227 (Part 1)
347	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IEC 61869 – 4
348	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IEC 61869 – 4
349	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IS 16227 (Part 4)
350	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IS 16227 (Part 4)
351	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IEC 61869 – 1
352	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IEC 61869 -1
353	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IS 16227 (Part 1)
354	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IS 16227 (Part 1)
355	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Rated Knee Point e.m.f. and Maximum Exciting Current	CL. NO. 7.3.203 OF IS 16227 (Part 2)
356	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy	CL. NO. 7.3.5.401 OF IEC 61869 – 4
357	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy	CL. NO. 7.3.5.401 OF IEC 61869 – 4
358	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy	CL. NO. 7.3.5.401 OF IS 16227 (Part 4)

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359	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy	CL. NO. 7.3.5.401 OF IS 16227 (Part 4)
360	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy (Ratio Error & Phase Displacement, Composite Error, & Turns Ratio Error)	CL. NO. 7.3.5.401 OF IEC 61869 – 4
361	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy (Ratio Error & Phase Displacement, Composite Error, & Turns Ratio Error)	CL. NO. 7.3.5.401 OF IEC 61869 – 4
362	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy (Ratio Error & Phase Displacement, Composite Error, & Turns Ratio Error)	CL. NO. 7.3.5.401 OF IS 16227 (Part 4)
363	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy (Ratio Error & Phase Displacement, Composite Error, & Turns Ratio Error)	CL. NO. 7.3.5.401 OF IS 16227 (Part 4)
364	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Verification of Markings	CL. NO. 6.13.401, 6.13.402 OF IEC 61869 - 4
365	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Verification of Markings	CL. NO. 6.13.401, 6.13.402 OF IS 16227 (Part 4)
366	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Rated Knee Point e.m.f. and Maximum Exciting Current	CL. NO. 7.3.203 OF IEC 61869 – 2
367	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Temperature Rise Test	CL. NO. 7.2.2 OF IEC 61869 - 4
368	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Temperature Rise Test	CL. NO. 7.2.2 OF IEC 61869-4
369	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Temperature Rise Test	CL. NO. 7.2.2 OF IS 16227 (Part 4)
370	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Temperature Rise Test	CL. NO. 7.2.2 OF IS 16227 (Part 4)

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371	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test For Rated Knee Point e.m.f. and Exciting Current at Rated Knee Point e.m.f	CL. NO. 7.3.203 OF IEC 61869 -2
372	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS System Voltage : 600V to 66kV	Power Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IEC 61869 - 2
373	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage : 600V to 66kV	High Voltage Power Frequency Test on Primary Windings	CL. NO. 9.3 OF IS 2705 (Part 1)
374	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination of Instrument Security Factor	CL. NO. 7.2.6.202 OF IS 16227 (Part 2)
375	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Composite Error Test	CL. NO. 7.1.2 & 7.2.2 OF IS 2705 (Part 3)
376	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination of Error According to Requirements of Appropriate Accuracy Class (Accuracy Test)	CL. NO. 7.2.1 OF IS 2705 (Part 2 & 3)
377	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination of Error According to Requirements of Appropriate Accuracy Class (Accuracy Test)	CL. NO. 7.2.1 OF IS 2705 (Part 2 & 3)
378	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination of Instrument Security Factor	CL. NO. 7.2.6.202 OF IEC 61869 - 2
379	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	High Voltage Power Frequency Test On Secondary Windings	CL. NO. 9.4 OF IS 2705 (Part 1)
380	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Instrument Security Factor	CL. NO. 7.1.2 OF IS 2705 (Part 2)
381	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Inter-Turn Overvoltage Test	CL. NO. 7.3.204 OF IS 16227 (Part 2)
382	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Inter-Turn Overvoltage Test	CL. NO. 7.3.204 OF IEC 61869 -2
383	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Over Voltage Inter-Turn Test	CL. NO. 9.5 OF IS 2705 (Part 1)
384	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IEC 61869 -1
385	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IS 16227 (Part 1)

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386	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IEC 61869 -1
387	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IS 16227 (Part 1)
388	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Composite Error)	CL. NO. 7.3.5.203 OF IS 16227 (Part 2)
389	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Composite Error)	CL. NO. 7.3.5.203 OF IEC 61869 – 2
390	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Ratio Error & Phase Displacement)	CL. NO. 7.3.5.201, 7.3.5.202, 7.3.5.204 OF IS 16227 (Part 2)
391	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Ratio Error & Phase Displacement)	CL. NO. 7.3.5.201, 7.3.5.202, 7.3.5.204 OF IEC 61869 - 2
392	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Ratio Error & Phase Displacement)	CL. NO. 7.3.5.201, 7.3.5.202, 7.3.5.204 OF IEC 61869 - 2
393	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test for Ratio Error & Phase Displacement)	CL. NO. 7.3.5.201, 7.3.5.202, 7.3.5.204 OF IS 16227 (Part 2)
394	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Turns Ratio Error)	CL. NO. 7.3.5.206 OF IS 16227 (Part 2)
395	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Turns Ratio Error)	CL. NO. 7.3.5.206 OF IEC 61869 – 2
396	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Turns Ratio Error	CL. NO. 6.3 OF IS 2705 (Part 4)
397	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Verification of Markings	CL. NO. 6.13.201, 6.13.202 OF IEC 61869 -2
398	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Verification of Markings	CL. NO. 6.13.201, 6.13.202 OF IS 16227 (Part 2)
399	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Verification of Terminal Markings & Polarity	CL. NO. 9.2 OF IS 2705 (Part 1)
400	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 66kV	Power Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IS 16227 (Part 2))
401	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination Of The Secondary Winding Resistance	CL. NO. 7.3.201 OF IS 16227 (Part 2)

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402	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination of The Secondary Winding Resistance	CL. NO. 7.3.201 OF IEC 61869 – 2
403	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Knee Point Voltage & Exciting Current	CL. NO. 6.1 OF IS 2705 (Part 4)
404	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Measurement of Secondary Winding Resistance	CL. NO. 6.2 OF IS 2705 (Part 4)
405	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test For Rated Knee Point e.m.f. and Exciting Current at Rated Knee Point e.m.f	CL. NO. 7.3.203 OF IS 16227 (Part 2)
406	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer, 1A to 2000A / 5A-1A, Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Temperature Rise Test	CL. NO. 7.2.2 OF IEC 61869 -2
407	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer, 1A to 2000A / 5A-1A, Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Temperature Rise Test	CL. NO. 7.2 OF IS 2705 (Part 1)
408	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Determination of Error According to Requirements of Appropriate Accuracy Class (Accuracy Test)	CL. NO. 8.1.1, 8.2.1 and CL. NO.10.1.1.2 , 10.1.2.1 OF IS 3156 (Part 2 & Part 3)
409	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Determination of Error According to Requirements of Appropriate Accuracy Class (Accuracy Test)	CL. NO. 8.1.1, 8.2.1 and CL. NO.10.1.1.2 , 10.1.2.1 OF IS 3156 (Part 2 & Part 3)
410	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	High Voltage Power - Frequency Dry Test on Secondary Windings	CL. NO. 9.4 OF IS 3156 (Part 1)
411	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	High Voltage Power - Frequency Test on Primary Windings (Separate Source Voltage Withstand Test)	CL. NO. 9.3.1.1 & 9.3.2.1 OF IS 3156 (Part 1)
412	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Verification of Terminal Marking & Polarity	CL. NO. 8.2 OF IS 3156 (Part 1)
413	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	High Voltage Power - Frequency Test on Primary Windings (Induced Over Voltage Test)	CL. NO. 9.3.1.2 & 9.3.2.2 OF IS 3156 (Part 1)
414	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Temperature Rise Test	CL. NO. 7.2.2 OF IS 16227 (Part 3)
415	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test between sections	CL. NO. 7.3.3 OF IEC 61869 – 1

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416	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test between sections	CL. NO. 7.3.3 OF IS 16227 (Part 1)
417	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test on primary terminals [Differential mode (induced) AC voltage test on primary terminals]	CL. NO. 7.3.1.303 OF IEC 61869 – 3
418	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test on primary terminals [Differential mode (induced) AC voltage test on primary terminals]	CL. NO. 7.3.1.303 OF IS 16227 (Part 3)
419	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test on primary terminals [Common mode (separate source) power-frequency withstand test on primary terminals]	CL. NO. 7.3.1.302 OF IEC 61869 – 3
420	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test on primary terminals [Common mode (separate source) power-frequency withstand test on primary terminals]	CL. NO. 7.3.1.302 OF IS 16227 (Part 3)
421	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test on secondary terminals	CL. NO. 7.3.4 OF IEC 61869 – 1
422	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test on secondary terminals	CL. NO. 7.3.4 OF IS 16227 (Part 1)
423	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Test for Accuracy	CL. NO. 7.3.5.301, 7.3.5.302 OF IEC 61869 -3
424	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Test for Accuracy	CL. NO. 7.3.5.301, 7.3.5.302 OF IEC 61869 -3
425	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Test for Accuracy	CL. NO. 7.3.5.301, 7.3.5.302 OF IS 16227 (Part 3)
426	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Test for Accuracy	CL. NO. 7.3.5.301, 7.3.5.302 OF IS 16227 (Part 3)

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427	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Verification of Markings	CL. NO. 6.13.301, 6.13.302 OF IEC 61869 -3
428	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Verification of Markings	CL. NO. 6.13.301, 6.13.302 OF IS 16227 (Part 3)
429	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV/ Root3//110V/ Root3 Class: 0.1 to 6P	Temperature Rise Test	CL. NO. 7.2 OF IS 3156 (Part 1)
430	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV/ Root3//110V/ Root3, Class: 0.1 to 6P	Temperature Rise Test	CL. NO. 7.2.2 OF IEC 61869 -3

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Site Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Direct connected & Transformer Operated Watthour & VAR-Hour Smart meter Class 0.2S,0.5S and 1.0S	Dielectric Strength or Ac High Voltage	Cl. No. 6.10.6 of IS 16444(Part 2)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Electrical Energy Meter,Class0.2S,0.5S and 1.0	Dielectric Strength or Ac High Voltage	Cl. No. 5.4.6.3 of CBIP PUBLICATION: 325 JANUARY
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour & VARhour Meters,Class 0.2S and 0.5S	Dielectric Strength or Ac High Voltage	Cl. No. 12.7.6.3 of IS 14697 AMD. 1 TO 4
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments with its CT PT Unit, Class 0.2S,0.5S,1S ,0.2,0.5,1,1.5 and 2	Tampered Meter Verification	DERC Supply Codes and Performance Standards Regulations, 2017
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 0.2S,0.5S and 1S	TEST OF POWER CONSUMPTION / POWER LOSS	Cl. No. 6.10.1 of IS 16444
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	INFLUENCE OF SUPPLY VOLTAGE / VOLTAGE DIPS AND INTERRUPTIONS	IEC 62053-21
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff & load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments,Class 0.2,0.5,1 and 1.5	Dielectric Strength or Ac High Voltage	A.2.20 of NMI M 6-1: JULY
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy Meters, Prepayment Meters, Smart Meters and Tariff and load control equipment, Electrical/Electronic Equipment, Electrical & Electronic Multi-function Measuring Instruments, Class 1 and 2	DIELECTRIC STRENGTH OR AC HIGH VOLTAGE	Cl. 12.7.6.3 of IS 13779 AMD. 1 TO 5
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 0.2S and 0.5S	Dielectric Strength or Ac High Voltage	Cl. No. 7.4 of IEC 62053-22

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10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 0.5S,1S,1 and 2	Dielectric Strength or Ac High Voltage	IS 15707
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 1 and 2	Dielectric Strength or Ac High Voltage	Cl. No. 7.7 of IEC 62055-31
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 1 and 2	Dielectric Strength or Ac High Voltage	Cl. No. 5.4.6.3 of IS 15884
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 1 and 2	Dielectric Strength or Ac High Voltage	Cl. No. 6.10.6 of IS 16444
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 1 and 2	Dielectric Strength or Ac High Voltage	Cl. No. 7.4 of IEC 62053 - 21
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy, Class 2 and 3	Dielectric Strength or Ac High Voltage	Cl. No. 7.4 of IEC 62053-23
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy,Class 0.2S ,0.5S ,1 2 and 3	Dielectric Strength or Ac High Voltage	Cl.No. 7.3.3 of IEC: 62052 - 11
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity Metering Equipment, Tariff & load control equipment, Static Energy Meter for Reactive Energy,Class 0.5S,1S and 1	Dielectric Strength OR AC High Voltage	Cl. No. 7.5 of IEC 62053-24
18	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Determination of Instrument Security Factor	CL. NO. 7.2.6.202 OF IEC 61869 – 2
19	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Determination of Instrument Security Factor	CL. NO. 7.2.6.202 OF IS 16227 (Part 2)
20	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Determination of The Secondary Winding Resistance	CL. NO. 7.3.201 OF IEC 61869 – 2

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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
21	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Determination of The Secondary Winding Resistance	CL. NO. 7.3.201 OF IS 16227 (Part 2)
22	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Inter-Turn Overvoltage Test	CL. NO. 7.3.204 OF IS 16227 (Part 2)
23	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Inter-Turn Overvoltage Test	CL. NO. 7.3.204 OF IEC 61869 – 2
24	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IEC 61869 – 1
25	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IEC 61869 – 1
26	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IS 16227 (Part 1)
27	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IS 16227 (Part 1)
28	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IEC 61869 – 4
29	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IEC 61869 – 4
30	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IS 16227 (Part 4)
31	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IS 16227 (Part 4)
32	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IEC 61869 – 1
33	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IEC 61869 -1
34	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IS 16227 (Part 1)

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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
35	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IS 16227 (Part 1)
36	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Rated Knee Point e.m.f. and Maximum Exciting Current	CL. NO. 7.3.203 OF IS 16227 (Part 2)
37	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy	CL. NO. 7.3.5.401 OF IEC 61869 – 4
38	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy	CL. NO. 7.3.5.401 OF IEC 61869 – 4
39	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy	CL. NO. 7.3.5.401 OF IS 16227 (Part 4)
40	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy	CL. NO. 7.3.5.401 OF IS 16227 (Part 4)
41	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy (Ratio Error & Phase Displacement, Composite Error, & Turns Ratio Error)	CL. NO. 7.3.5.401 OF IEC 61869 – 4
42	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy (Ratio Error & Phase Displacement, Composite Error, & Turns Ratio Error)	CL. NO. 7.3.5.401 OF IEC 61869 – 4
43	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy (Ratio Error & Phase Displacement, Composite Error, & Turns Ratio Error)	CL. NO. 7.3.5.401 OF IS 16227 (Part 4)
44	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Test For Accuracy (Ratio Error & Phase Displacement, Composite Error, & Turns Ratio Error)	CL. NO. 7.3.5.401 OF IS 16227 (Part 4)
45	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Verification of Markings	CL. NO. 6.13.401, 6.13.402 OF IEC 61869 - 4
46	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Verification of Markings	CL. NO. 6.13.401, 6.13.402 OF IS 16227 (Part 4)

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47	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Instrument Transformer, CT Part: 1A to 600A/ 5A – 1A, Class: 0.1 to 15P & PS, PT Part: 6.6kV to 33kV/110V, Class: 0.1 to 6P	Rated Knee Point e.m.f. and Maximum Exciting Current	CL. NO. 7.3.203 OF IEC 61869 – 2
48	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test For Rated Knee Point e.m.f. and Exciting Current at Rated Knee Point e.m.f	CL. NO. 7.3.203 OF IEC 61869 -2
49	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS System Voltage : 600V to 66kV	Power Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IEC 61869 - 2
50	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage : 600V to 66kV	High Voltage Power Frequency Test on Primary Windings	CL. NO. 9.3 OF IS 2705 (Part 1)
51	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination of Instrument Security Factor	CL. NO. 7.2.6.202 OF IS 16227 (Part 2)
52	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Composite Error Test	CL. NO. 7.1.2 & 7.2.2 OF IS 2705 (Part 3)
53	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination of Error According to Requirements of Appropriate Accuracy Class (Accuracy Test)	CL. NO. 7.2.1 OF IS 2705 (Part 2 & 3)
54	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination of Error According to Requirements of Appropriate Accuracy Class (Accuracy Test)	CL. NO. 7.2.1 OF IS 2705 (Part 2 & 3)
55	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination of Instrument Security Factor	CL. NO. 7.2.6.202 OF IEC 61869 - 2
56	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	High Voltage Power Frequency Test On Secondary Windings	CL. NO. 9.4 OF IS 2705 (Part 1)
57	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Instrument Security Factor	CL. NO. 7.1.2 OF IS 2705 (Part 2)
58	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Inter-Turn Overvoltage Test	CL. NO. 7.3.204 OF IS 16227 (Part 2)
59	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Inter-Turn Overvoltage Test	CL. NO. 7.3.204 OF IEC 61869 -2
60	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Over Voltage Inter-Turn Test	CL. NO. 9.5 OF IS 2705 (Part 1)
61	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IEC 61869 -1

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62	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Power- Frequency Voltage Withstand Test Between Sections	CL. NO. 7.3.3 OF IS 16227 (Part 1)
63	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IEC 61869 -1
64	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Power- Frequency Voltage Withstand Test On Secondary Terminals	CL. NO. 7.3.4 OF IS 16227 (Part 1)
65	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Composite Error)	CL. NO. 7.3.5.203 OF IS 16227 (Part 2)
66	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Composite Error)	CL. NO. 7.3.5.203 OF IEC 61869 – 2
67	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Ratio Error & Phase Displacement)	CL. NO. 7.3.5.201, 7.3.5.202, 7.3.5.204 OF IS 16227 (Part 2)
68	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Ratio Error & Phase Displacement)	CL. NO. 7.3.5.201, 7.3.5.202, 7.3.5.204 OF IEC 61869 - 2
69	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Ratio Error & Phase Displacement)	CL. NO. 7.3.5.201, 7.3.5.202, 7.3.5.204 OF IEC 61869 - 2
70	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test for Ratio Error & Phase Displacement)	CL. NO. 7.3.5.201, 7.3.5.202, 7.3.5.204 OF IS 16227 (Part 2)
71	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Turns Ratio Error)	CL. NO. 7.3.5.206 OF IS 16227 (Part 2)
72	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test for Accuracy (Test For Turns Ratio Error)	CL. NO. 7.3.5.206 OF IEC 61869 – 2
73	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Turns Ratio Error	CL. NO. 6.3 OF IS 2705 (Part 4)
74	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Verification of Markings	CL. NO. 6.13.201, 6.13.202 OF IEC 61869 -2
75	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Verification of Markings	CL. NO. 6.13.201, 6.13.202 OF IS 16227 (Part 2)
76	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Verification of Terminal Markings & Polarity	CL. NO. 9.2 OF IS 2705 (Part 1)
77	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 3200A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 66kV	Power Frequency Voltage Withstand Test On Primary Terminals	CL. NO. 7.3.1 OF IS 16227 (Part 2))

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78	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination Of The Secondary Winding Resistance	CL. NO. 7.3.201 OF IS 16227 (Part 2)
79	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Determination of The Secondary Winding Resistance	CL. NO. 7.3.201 OF IEC 61869 – 2
80	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Knee Point Voltage & Exciting Current	CL. NO. 6.1 OF IS 2705 (Part 4)
81	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Measurement of Secondary Winding Resistance	CL. NO. 6.2 OF IS 2705 (Part 4)
82	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer 1A to 10000A/5A-1A Class: 0.1 to 15P & PS, System Voltage: 600V to 400kV	Test For Rated Knee Point e.m.f. and Exciting Current at Rated Knee Point e.m.f	CL. NO. 7.3.203 OF IS 16227 (Part 2)
83	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Determination of Error According to Requirements of Appropriate Accuracy Class (Accuracy Test)	CL. NO. 8.1.1, 8.2.1 and CL. NO.10.1.1.2 , 10.1.2.1 OF IS 3156 (Part 2 & Part 3)
84	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Determination of Error According to Requirements of Appropriate Accuracy Class (Accuracy Test)	CL. NO. 8.1.1, 8.2.1 and CL. NO.10.1.1.2 , 10.1.2.1 OF IS 3156 (Part 2 & Part 3)
85	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	High Voltage Power - Frequency Dry Test on Secondary Windings	CL. NO. 9.4 OF IS 3156 (Part 1)
86	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	High Voltage Power - Frequency Test on Primary Windings (Separate Source Voltage Withstand Test)	CL. NO. 9.3.1.1 & 9.3.2.1 OF IS 3156 (Part 1)
87	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3 Class: 0.1 to 6P	Verification of Terminal Marking & Polarity	CL. NO. 8.2 OF IS 3156 (Part 1)
88	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test between sections	CL. NO. 7.3.3 OF IEC 61869 – 1
89	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test between sections	CL. NO. 7.3.3 OF IS 16227 (Part 1)
90	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test on primary terminals [Common mode (separate source) power-frequency withstand test on primary terminals]	CL. NO. 7.3.1.302 OF IEC 61869 – 3

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Validity	16/06/2022 to 18/05/2023	**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
91	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test on primary terminals [Common mode (separate source) power-frequency withstand test on primary terminals]	CL. NO. 7.3.1.302 OF IS 16227 (Part 3)
92	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test on secondary terminals	CL. NO. 7.3.4 OF IEC 61869 – 1
93	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Power- frequency voltage withstand test on secondary terminals	CL. NO. 7.3.4 OF IS 16227 (Part 1)
94	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Test for Accuracy	CL. NO. 7.3.5.301, 7.3.5.302 OF IEC 61869 -3
95	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Test for Accuracy	CL. NO. 7.3.5.301, 7.3.5.302 OF IEC 61869 -3
96	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Test for Accuracy	CL. NO. 7.3.5.301, 7.3.5.302 OF IS 16227 (Part 3)
97	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Test for Accuracy	CL. NO. 7.3.5.301, 7.3.5.302 OF IS 16227 (Part 3)
98	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Verification of Markings	CL. NO. 6.13.301, 6.13.302 OF IEC 61869 -3
99	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer, 220V to 33kV / 110V & 220V/Root3//110V/ Root3 to 66kV / Root3//110V/ Root3, Class: 0.1 to 6P	Verification of Markings	CL. NO. 6.13.301, 6.13.302 OF IS 16227 (Part 3)