National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : EMI/EMC TEST FACILITY, LINKWELL TELESYSTEMS PVT LTD, B-45, ELECTRONIC COMPLEX, KUSHAIGUDA, MEDCHAL MALKAJGIRI, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 30/12/2021 to 29/12/2023 **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	A.C-Static Transformer operated Trivector meters of class 0.5S	AC High voltage test	IS 14697
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C-Static Transformer operated Trivector meters of class 0.5S	Insulation Test	IS 14697
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C-Static Transformer operated Trivector meters of class 0.5S	Test of Meter Constant	IS 14697
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C-Static Transformer operated Trivector meters of class 0.5S	Test of No load condition	IS 14697
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C-Static Transformer operated Trivector meters of class 0.5S	Test of Power Consumption	IS 14697
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C-Static Transformer operated Trivector meters of class 0.5S	Test of Repeatability of error	IS 14697
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C-Static Transformer operated Trivector meters of class 0.5S	Test of Starting Condition	IS 14697
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C-Static Transformer operated Trivector meters of class 0.5S	Test on Limits of error	IS 14697
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	AC High voltage test	IS 16444 (Part 1)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Insulation Test	IS 16444 (Part 1)

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Meter Constant	IS 16444 (Part 1)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of No Load Condition	IS 16444 (Part 1)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Power Consumption Test	IS 16444 (Part 1)
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Repeatability of Error	IS 16444 (Part 1)
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Starting Current	IS 16444 (Part 1)
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test on Limits of Error	IS 16444 (Part 1)
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	AC High Voltage test	IS 16444 (Part 2)
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Insulation Test	IS 16444 (Part 2)
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Test of Meter Constant	IS 16444 (Part 2)
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Test of No load condition	IS 16444 (Part 2)
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Test of Power Consumption	IS 16444 (Part 2)

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Test of Repeatability of error	IS 16444 (Part 2)
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Test of Starting Current	IS 16444 (Part 2)
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S, 0.5S and 1.0S	Test on Limits of Error	IS 16444 (Part 2)
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC-Static kWh Meters, Class 1 & 2	AC High voltage test	IS 13779
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC-Static kWh Meters, Class 1 & 2	Insulation Test	IS 13779
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC-Static kWh Meters, Class 1 & 2	Test of Meter constant	IS 13779
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC-Static kWh Meters, Class 1 & 2	Test of No load condition	IS 13779
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC-Static kWh Meters, Class 1 & 2	Test of Power Consumption	IS 13779
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC-Static kWh Meters, Class 1 & 2	Test of Repeatability of Error	IS 13779
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC-Static kWh Meters, Class 1 & 2	Test of Starting condition	IS 13779
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC-Static kWh Meters, Class 1 & 2	Test on Limits of error	IS 13779

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33	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Kwh Meters (Class 1 & 2)	Electrostatic Discharge Immunity Test	IS 13779
34	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical & Electronic products single phase,	Electro static Discharge Immunity test	IEC 61000-4-2
35	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical & Electronic products single phase,	Immunity to conducted disturbances induced by radio frequency field (conducted Susceptibility test)	IEC 61000 4-6
36	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	A.C-Static Transformer operated Trivector meters of class 0.5S	Cold Test	IS 14697 (Cl.12.6.2)
37	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	A.C-Static Transformer operated Trivector meters of class 0.5S	Damp Heat Test (Cyclic)	IS 14697 (Cl.12.6.3)
38	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	A.C-Static Transformer operated Trivector meters of class 0.5S	Dry Heat test	IS 14697 (Cl.12.6.1)
39	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	A.C-Static Transformer operated Trivector meters of class 0.5S	Vibration (Sinusoidal)	IS 14697 (Cl.12.3.2)
40	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	AC-Static kWh Meters, Class 1 & 2	Cold Test	IS 13779 (Cl.12.6.2)
41	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	AC-Static kWh Meters, Class 1 & 2	Damp Heat (Cyclic) Test	IS 13779
42	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	AC-Static kWh Meters, Class 1 & 2	Dry Heat Test	IS 13779 (Cl.12.6.1)
43	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	AC-Static kWh Meters, Class 1 & 2	Vibration Test (Sinusoidal)	IS 13779
44	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic products Chamber Dimension-Length: 71cm, Width: 58cm, Height : 76cm	Cold Test	IS 9000 (Part II): Section 1 to 4
45	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic products Chamber Dimension-Length: 71cm, Width: 58cm, Height : 76cm	Cold Test	IEC 60068-2-1
46	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic products Chamber Dimension-Length: 71cm, Width: 58cm, Height : 76cm	Damp Heat (Cyclic) Test	IS 60068-2-30

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47	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic products Chamber Dimension-Length: 71cm, Width: 58cm, Height : 76cm	Damp Heat (Cyclic) test	IS 9000 (Part V): Section 1 and 2
48	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic products Chamber Dimension-Length: 71cm, Width: 58cm, Height : 76cm	Damp Heat (Steady State)	IEC 60068-2-78
49	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic products Chamber Dimension-Length: 71cm, Width: 58cm, Height : 76cm	Damp Heat (Steady State)	IS 9000 (Part IV)
50	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic products Chamber Dimension-Length: 71cm, Width: 58cm, Height : 76cm	Dry Heat test	IEC 60068-2-2
51	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic products Chamber Dimension-Length: 71cm, Width: 58cm, Height : 76cm	Dry Heat test	IS 9000 (Part III): Section 1 to 5
52	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic products table d Dimension-Length: 20cm, Width: 20cm, Height : 40cm	Vibration Test (Sinusoidal)	IEC 60068-2-6
53	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical and Electronic products table d Dimension-Length: 20cm, Width: 20cm, Height : 40cm	Vibration Test (Sinusoidal)	IS 9000 (Part VIII)