



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

LABORATORY UNIT, BONDADA E&E PRIVATE LIMITED, PLOT NO. 31 - A & B, ELECTRONICS COMPLEX
IDA KUSHAIGUDA, KUSHAIGUDA, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-17172

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Validity

25/11/2025 to 24/11/2029

Last Amended on

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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
Permanent Testing				
1	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and Electronics Equipment	Surge Immunity Test	IEC 61000-4-5
2	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Enclosures for Electrical & Electronics Equipment	Impact Test	Cl. No. 6 of IEC 62262
3	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Enclosures for Electrical & Electronics Equipment	Protection against Mechanical Impacts	Cl. No. 6 of IS 17050/ IEC 62262 + Amd. 1
4	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Enclosures for Electrical Equipment	Ingress Protection Test (First Characteristics Numeral IP5X)	Cl. No. 13.4 & 13.5 of IS/IEC 60529
5	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Enclosures for Electrical Equipment	Ingress Protection Test (First Characteristics Numeral IP6X)	Cl. No. 13.4 & 13.6 of IS/IEC 60529
6	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Enclosures for Electrical Equipment	Ingress Protection Test (Second Characteristics Numeral IPX5)	Cl. No. 14.2.5 of IS/IEC 60529
7	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Enclosures for Electrical Equipment	Ingress Protection Test (Second Characteristics Numeral IPX6)	Cl. No. 14.2.6 of IS/IEC 60529
8	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Resistance to Dust and Moisture	Cl. No. 9 of IS 10322-1
9	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c. or a.c. Supplied Electronic Controlgear for LED Modules	Circuit Power Factor	Cl. No. 9 of IS 16104
10	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c. or a.c. Supplied Electronic Controlgear for LED Modules	Marking	Cl. No. 6 of IS 16104
11	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c. or a.c. Supplied Electronic Controlgear for LED Modules	Operational Test for Abnormal Conditions	Cl. No. 12 of IS 16104



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12	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c. or a.c. Supplied Electronic Controlgear for LED Modules	Output Voltage and Current	Cl. No. 7 of IS 16104
13	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c. or a.c. Supplied Electronic Controlgear for LED Modules	Supply Current	Cl. No. 10 of IS 16104
14	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	d.c. or a.c. Supplied Electronic Controlgear for LED Modules	Total Circuit Power	Cl. No. 8 of IS 16104
15	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	Creepage Distances and Clearances	Cl. No. 8 of IS 10322-5-1
16	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	Endurance Test and Thermal Test	Cl. No. 13 of IS 10322-5-1
17	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	Insulation Resistance and Electric Strength	Cl. No. 15 of IS 10322-5-1
18	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	Marking	Cl. No. 6 of IS 10322-5-1
19	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Fixed General Purpose Luminaires	Resistance to Dust and Moisture	Cl. No. 14 of IS 10322-5-1
20	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Creepage Distances and Clearances	Cl. No. 8 of IS 10322-5-5
21	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Endurance Test and Thermal Test	Cl. No. 13 of IS 10322-5-5
22	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Insulation Resistance and Electric Strength	Cl. No. 15 of IS 10322-5-5
23	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Marking	Cl. No. 6 of IS 10322-5-5



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24	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Floodlights	Resistance to Dust and Moisture	Cl. No. 14 of IS 10322-5-5
25	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Creepage Distances and Clearances	Cl. No. 8 of IS 10322-5-3
26	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Endurance Test and Thermal Test	Cl. No. 13 of IS 10322-5-3
27	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Insulation Resistance and Electric Strength	Cl. No. 15 of IS 10322-5-3
28	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Marking	Cl. No. 6 of IS 10322-5-3
29	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for Road and Street Lighting	Resistance to Dust and Moisture	Cl. No. 14 of IS 10322-5-3
30	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Creepage Distances and Clearances	Cl. No. 11 of IS 10322-1
31	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Endurance Test and Thermal Test	Cl. No. 12 of IS 10322-1
32	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Insulation Resistance and Electric Strength	Cl. No. 10 of IS 10322-1
33	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaries	Marking	Cl. No. 3 of IS 10322-1
34	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Creepage Distances and Clearances	Cl. No. 8 of IS 10322-5-2
35	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Endurance Test and Thermal Test	Cl. No. 13 of IS 10322-5-2



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36	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Insulation Resistance and Electric Strength	Cl. No. 15 of IS 10322-5-2
37	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Marking	Cl. No. 6 of IS 10322-5-2
38	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Resistance to Dust and Moisture	Cl. No. 14 of IS 10322-5-2
39	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State (LED) Lighting	Color Characteristics	Cl. No. 12 of IES LM 79
40	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State (LED) Lighting	Color Characteristics	Cl. No. 14 of IS 16106
41	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State (LED) Lighting	Luminous Efficacy	Cl. No. 11 of IES LM 79
42	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State (LED) Lighting	Luminous Efficacy	Cl. No. 13 of IS 16106
43	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State (LED) Lighting	Luminous Intensity Distribution	Cl. No. 10 of IES LM 79
44	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State (LED) Lighting	Luminous Intensity Distribution	Cl. No. 12 of IS 16106
45	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State (LED) Lighting	Total Luminous Flux	Cl. No. 11 of IS 16106
46	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State (LED) Lighting	Total Luminous Flux	Cl. No. 9 of IES LM 79
47	PHOTOMETRY- LUMINARIES	Fixed General Purpose Luminaries	Photometric Test (Light Output)	Cl. No. 17 of IS 10322-5-1



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48	PHOTOMETRY-LUMINARIES	Flood Lights	Photometric Test (Light Output)	Cl. No. 17 of IS 10322-5-5 + Amd. 1
49	PHOTOMETRY-LUMINARIES	LED Street Light Luminaries	Photometric Test (Light Output)	Cl. No. 17 of IS 10322-5-3 + Amd. 1
50	PHOTOMETRY-LUMINARIES	Luminaries	Chromaticity Coordinates	Cl. No. 9.1 of IS 16107-2-1
51	PHOTOMETRY-LUMINARIES	Luminaries	Colour Rendering Index (CRI)	Cl. No. 9.3 of IS 16107-2-1
52	PHOTOMETRY-LUMINARIES	Luminaries	Correlated Colour Temperature (CCT)	Cl. No. 9.2 of IS 16107-2-1
53	PHOTOMETRY-LUMINARIES	Luminaries	LED Luminaires Life	Cl. No. 10 of IS 16107-2-1
54	PHOTOMETRY-LUMINARIES	Luminaries	Light Output	Cl. No. 8 of IS 16107-2-1
55	PHOTOMETRY-LUMINARIES	Luminaries	Marking	Cl. No. 4 of IS 16107-2-1
56	PHOTOMETRY-LUMINARIES	Luminaries	Total Input Power	Cl. No. 7 of IS 16107-2-1
57	PHOTOMETRY-LUMINARIES	Recessed Luminaries	Photometric Test (Light Output)	Cl. No. 17 of IS 10322-5-2