National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, HPL ELECTRIC & POWER LIMITED, PLOT NO-76B, PHASE-IV, SECTOR-57 KUNDLI, SONIPAT, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9575 **Page No** 1 of 2

Validity 04/06/2021 to 03/06/2023 **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-ENVIRONMENTAL TEST FACILITY	Luminaries, Enclosure of Control Panel & Enclosure of Electrical Products, Enclosure of Electronic Product & Electronic & Electrical Equipments	Ingress Protection Test (IPX5, IPX6)	IS/IEC 60529
2	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	D.C or A.C Supplied Electronic Controlgear for LED Modules	Circuit Power Factor	Cl. 9, IS 16104
3	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	D.C or A.C Supplied Electronic Controlgear for LED Modules	Operational Test for Abnormal Conditions	Cl. 12, IS 16104
4	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	D.C or A.C Supplied Electronic Controlgear for LED Modules	Supply Current	Cl. 10, IS 16104
5	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	D.C or A.C Supplied Electronic Controlgear for LED Modules	Total Circuit Power	Cl. 8, IS 16104
6	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	D.C or A.C Supplied Electronic Controlgear for LED Modules	Verification of Marking	Cl. 6, IS 16104
7	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	D.C or A.C Supplied Electronic Controlgear for LED Modules	Voltage and Current During Operation	Cl. 7.2, IS 16104
8	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	D.C or A.C Supplied Electronic Controlgear for LED Modules	Voltage and Current During Operation	Cl. 7.2, IS 16104
9	PHOTOMETRY-LUMINARIES	Self-Ballasted LED Lamps for General Lighting Services	Efficacy	Cl. 9.3, IS 16102 (Part 2)
10	PHOTOMETRY-LUMINARIES	Self-Ballasted LED Lamps for General Lighting Services	Luminous Flux	Cl. 9.1, IS 16102 (Part 2)
11	PHOTOMETRY-LUMINARIES	Self-Ballasted LED Lamps for General Lighting Services	Colour Rendering Index (CRI)	Cl. 10.2, IS 16102 (Part 2)
12	PHOTOMETRY-LUMINARIES	Self-Ballasted LED Lamps for General Lighting Services	Colour Variation Categories	Cl. 10.1, IS 16102 (Part 2)
13	PHOTOMETRY-LUMINARIES	Self-Ballasted LED Lamps for General Lighting Services	Colour Variation Categories	Cl. 10.1, IS 16102 (Part 2)
14	PHOTOMETRY-LUMINARIES	Self-Ballasted LED Lamps for General Lighting Services	Colour Variation Categories	Cl. 10.1, IS 16102 (Part 2)
15	PHOTOMETRY-LUMINARIES	Self-Ballasted LED Lamps for General Lighting Services	Dimension	Cl. 6, IS 16102 (Part 2)

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16	PHOTOMETRY-LUMINARIES	Self-Ballasted LED Lamps for General Lighting Services	Lamp Power	Cl. 8.1, IS 16102 (Part 2)
17	PHOTOMETRY-LUMINARIES	Self-Ballasted LED Lamps for General Lighting Services	Power Factor	Cl. 8.2, IS 16102 (Part 2)
18	PHOTOMETRY-LUMINARIES	Self-Ballasted LED Lamps for General Lighting Services	Verification of Marking	Cl. 5, IS 16102 (Part 2)
19	PHOTOMETRY-LUMINARIES	SSL PRODUCTS	Chromaticity coordinates	Cl. No. 14.0, IS 16106
20	PHOTOMETRY-LUMINARIES	SSL PRODUCTS	Chromaticity coordinates	Cl. No. 14.0, IS 16106
21	PHOTOMETRY-LUMINARIES	SSL PRODUCTS	Color Characteristics – Correlated color temperature	Cl. No. 14.0, IS 16106
22	PHOTOMETRY-LUMINARIES	SSL PRODUCTS	Color Rendering Index	Cl. No. 14.0, IS 16106
23	PHOTOMETRY-LUMINARIES	SSL PRODUCTS	Electrical Characteristics (Input Current)	Cl.10, IS 16106
24	PHOTOMETRY-LUMINARIES	SSL PRODUCTS	Electrical Characteristics (Input Voltage)	Cl.10, IS 16106
25	PHOTOMETRY-LUMINARIES	SSL PRODUCTS	Electrical Characteristics (Lamp Power)	Cl.10, IS 16106
26	PHOTOMETRY-LUMINARIES	SSL PRODUCTS	Electrical Characteristics (Power Factor)	Cl.10, IS 16106