



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

(उपभोक्ता मामले, खाद्य और सार्वजनिक वितरण मंत्रालय)
भारत सरकार
(Ministry of Consumer Affairs, Food & Public Distribution)
Government of India

प्रश्चिम क्षेत्रीय
प्रयोगशाला

Western Regional
Laboratory

: 'मानकालय', ई-9, रोड नं.8,
एमआईडीसी, अंधेरी (पूर्व), मुंबई - 400 093.
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By Speed Post

Our Ref: WROL/LRS/OSL(7121526)

31 Jan 2020

M/s Karandikar Laboratories Pvt. Ltd.
Gat No. 142, BoisarChillar Road,
Boisar (East), Tal-Palghar
Thane-401501.

Kind Attn.: Sh. Ajit Karandikar, Director

Sub: Inclusion of ISS in the scope of recognition under BIS Lab Recognition Scheme 2018


Dear Sir,

This has reference to the inclusion of IS/IEC 60079-1 : 2014. We are pleased to inform you that the Competent Authority has considered and granted the inclusion of IS/IEC 60079-1 : 2014 w.e.f. 31 Jan 2020. The approved scope and testing charges are as per Annex-1.

The other Terms & Conditions of BIS LRS 2018 shall remain same.

Thanking you

Yours faithfully,


(Adbhut Singh)
OIC (LRS)

Encl: as above



उत्पाद प्रमाणन / Product Certification



हालमार्क / Hall Mark



ईको मार्क / Eco Mark



पद्धति प्रमाणन / System Certification

मुख्यालय : मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली 110 002
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OSL CODE 7121526
 NAME Karandikar Laboratories Pvt Ltd.
 ADDRESS Gat No. 142, Boisar chillar Road ,
 Boisar (East), Tal- Palghar
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CONTACT : Shri Ajit Karandikar, Director
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 E-mail sales@karandikarlab.com
 REMARKS Scope modified on 31 Jan 2020

IS Number	Product	Testing Charge	Remark
1	IS 616 : 2017 Audio, Video and Similar Electronic Apparatus - Safety Requirements	Rs. 68,000/- for Electronic Games (Video), Optical Disc Players with build in amplifiers of input power 200W and above, Amplifiers with input power 2000W and above, Electronic Musical System with input power 200W and above, Power Adapters for Audio, Video and Similar Electronic Apparatus; Rs. 82,000/- for Plasma /LCD/LED TVs of screen size 32" above restricted to 65" and Rs. 75,000/- for Plasma /LCD/LED TVs of screen size upto 32".	Exclusions : Cl. 6 Hazardous Radiations, Cl. 7.2 Vicat Softening Temperature, Cl. 8.16 Requirements for Insulated winding wires for use without additional interleaved insulation, Cl. 8.17 Endurance Test for wound components with insulated windings wires without additional interleaved insulation, Cl. 12.3 Tumbling Barrel Test, Cl. 13.5 Printed Boards, Cl. 14 Components, Cl. 16 External flexible cords, Cl. 18 Mechanical Strength of the picture tubes and protection against the effects of Implosion.
2	IS 10322(Part 5/Sec 1): 2012 Luminaires: Part 5 Particular requirements Sec 1 General purpose luminaires	Rs. 68,000/- per Sample.	Exclusions : Cl. 4.14 Suspensions and adjusting Devices, Cl. 4.24 UV Radiation, Cl. 4.26.2 Short circuit Protection, Cl. 17 Photometric Test, Annex A Photometric Data.
3	IS 13252(Part 1): 2010 Information Technology Equipment- Safety (General Requirements)	Wireless Keyboard : Rs. 48,000/-; Laptop/ Notebook/ Tablets : Rs. 78,000/- ; Visual Display Units/Video Monitors : Rs. 78,000/- ; Printers/Plotters : Rs. 78,000/- ; Scanners : Rs. 78,000/- ; Telephone Answering Machines : Rs. 78,000/- ; Set Top Box : Rs. 78,000/- ; Automatic Data Processing Machines : Rs. 78,000/- ; Power Adapters for IT Equipments : Rs. 48,000/- ; Mobile Phones : Rs. 48,000/- ; Cash Registers : Rs. 78,000/- ; Point of Sale Terminals : Rs. 88,500/- ; Copying Machine/ Duplicators : Rs. 78,000/- ; Smart Card Readers : Rs. 48,000/- ; Mail Processing Machine/Postage Machine/ Franking Machines : Rs. 78,000/- ; Passport Readers : Rs. 48,000/- ; Power Banks for use in portable applications : Rs. 78,000/- ; Rs. 75,000/- for CCTV Cameras/CCTV Recorders, Rs. 75,000/- For USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, Rs. 75,000/- for Smart Watches.	Exclusions : Cl. 1.5 Components, Cl. 2.8.5 Moving Parts, Cl. 2.8.7 Switches and Relays and Related circuits, Cl. 2.10.5.4 Semiconductor Devices, Cl. 2.10.8.4 Abrasion Resistance Test, Cl. 4.2.8 Cathode Ray Tube, Cl. 4.3.10 Gases, Cl. 4.3.12 Flammable Liquids, Cl. 4.3.13 Radiation, Cl. 4.6.2 Bottoms of fire Enclosure, Annex U Insulated Winding Wires for use, Annex Y Ultraviolet Light conditioning Test, Annex EE Household and Home/Office Document/media, Annex CC Evaluation of Integrated Circuit (IC), Annex EE Household and Home/Office Document/media shredders.
4	IS 16102(Part 1): 2012 Self - Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Rs. 68,000/- per Sample.	

IS Number	Product	Testing Charge	Remark
5	IS 60034(Part 5): 2000	Rotating electrical machines : Part 5 Degrees of protection provided by the integral design of rotating electrical machines (IP CODE) - Classification	IPXX for each center-height : Rs. 10,000/- for Frame-63 to 100; Rs. 20,000/- for Frame-112 to 180; Rs. 40,000/- for Frame-200 to 280.
6	IS 60079(Part 1): 2007	Explosive Atmospheres - Part 1 : Equipment Protection by Flameproof Enclosures	(i) For Junction Box & Enclosures (Ex. Gas Testing) : Rs. 25,000/- upto 5 lit; Rs. 30,000/- above 5 lit to 15 lit; Rs. 50,000/- above 15 lit to 50 lit; (ii) For Plugs, Sockets, Bushings, Adaptors etc. : Rs. 4,500/- for 15 mm size; Rs. 7,500/- for 50 mm size; Rs. 8,500/- above 100 mm size; (iii) Rotating Electrical Machines : Rs. 28,500/- upto 112 frame size; Rs. 38,500/- from 112 to 280 frame size; Rs. 75,000/- for frame size 280 and above; (iv) Cable Gland : Rs. 15,000/- upto 2 inch entry size; Rs. 20,000/- for 2 to 5 inch entry size; Rs. 25,000/- for above 5 inch entry size; (v) Luminaries & Lamps : Rs. 18,000; Rs. 23,500/- for Sintered disc (less than 2 cm dia.); Rs. 27,500/- for Sintered disc (more than 2 cm dia.); Rs. 27,500/- for metal foam elements; Rs. 27,500/- for pressed metal wires; Rs. 31,500/- for Enclosures containing Breathing & Draining devices.
7	IS 60079(Part 1): 2014	Explosive Atmospheres - Part 1 : Equipment Protection by Flameproof Enclosures	i) For Junction Box & Enclosures (Ex. Gas Testing) : Rs. 25,000/- upto 5 lit; Rs. 30,000/- above 5 lit to 15 lit; Rs. 50,000/- above 15 lit to 50 lit; (ii) For Plugs, Sockets, Bushings, Adaptors etc. : Rs. 4,500/- for 15 mm size; Rs. 7,500/- for 50 mm size; Rs. 8,500/- above 100 mm size; (iii) Rotating Electrical Machines : Rs. 28,500/- upto 112 frame size; Rs. 38,500/- from 112 to 280 frame size; Rs. 75,000/- for frame size 280 and above; (iv) Cable Gland : Rs. 15,000/- upto 2 inch entry size; Rs. 20,000/- for 2 to 5 inch entry size; Rs. 25,000/- for above 5 inch entry size; (v) Luminaries & Lamps : Rs. 18,000; Rs. 23,500/- for Sintered disc (less than 2 cm dia.); Rs. 27,500/- for Sintered disc (more than 2 cm dia.); Rs. 27,500/- for metal foam elements; Rs. 27,500/- for pressed metal wires; Rs. 31,500/- for Enclosures containing Breathing & Draining devices.
			Valid till 25 July 2020. Additional Applicable test charges for General Requirements as per IS/IEC 60079 (Part 0) : 2007; Impact Test : Rs. 3,000/-; Degree of Protection : Rs. 6,850/- for Enclosures upto 10 lit; Rs. 8,750/- for Enclosures 10 to 20 lit; Rs. 12,500/- for Enclosure larger than 20 lit; Drop test (portable apparatus) Rs. 1,500/- ; Temperature Classification : Rs. 14,500/- ; Thermal Shock (Glass Parts); Rs. 3,000/-; Thermal Endurance to Heat/cold : Rs. 22,500/- ; For Cable Gland : Cable Pull Test : Rs. 5,000/-; Torque Test : Rs. 2,000/- (Mandrel to be provided by manufacturer.) Drawing Verification : Rs. 12,500/-
			Included w.e.f. 31 Jan 2020. Additional Applicable test charges for General Requirements as per IS/IEC 60079 (Part 0) : 2007; Impact Test : Rs. 3,000/-; Degree of Protection : Rs. 6,850/- for Enclosures upto 10 lit; Rs. 8,750/- for Enclosures 10 to 20 lit; Rs. 12,500/- for Enclosure larger than 20 lit; Drop test (portable apparatus) Rs. 1,500/- ; Temperature Classification : Rs. 14,500/- ; Thermal Shock (Glass Parts); Rs. 3,000/-; Thermal Endurance to Heat/cold : Rs. 22,500/- ; For Cable Gland : Cable Pull Test : Rs. 5,000/-; Torque Test : Rs. 2,000/- (Mandrel to be provided by manufacturer.) Drawing Verification : Rs. 12,500/-

IS Number	Product	Testing Charge	Remark
8	IS 60079(Part 7): 2015 IS/IEC 60079-7:2006 - Explosive atmospheres: Part 7 Equipment protection by increased safety "e"	(i) For Junction Box & Enclosures : Rs. 12,500/- upto 5 lit; Rs. 17,500/- above 5 lit to 15 lit; Rs. 25,000/- above 15 lit to 50 lit; (ii) Rotating Electrical Machines : Rs. 50,000/- for low voltage less than 100kW capacity; Rs. 1,25,000/- for low voltage more than 100kW capacity; Rs. 1,75,000/- for high voltage capacity.	Additional Applicable test charges General Requirements as per IS/IEC 60079 (Part 0) : 2007 as listed against Sr. No. 1 ; and Exclusions: Cl. 6.3.4 Abnormal operation of luminaires, Cl. 6.3.4.3 Power dissipation of cathodes of lamps supplied by electronic ballasts , Cl. 6.3.5 Sulphur dioxide test for Level of Protection "eb" for the connection of bi-pin lamp caps to lampholders, Cl. 6.6.4 Test for ventilation of Level of Protection "eb" battery container, Cl. 6.7.4 Test for ventilation of Level of Protection "ec" battery container, Annex G Test procedure for T5 (only 8 W), T8, T10 and T12 lamps, G.1 Asymmetric pulse test, G.2 Asymmetric power test.
9	IS 60079(Part 11): 2006 IS/IEC 60079-11-2006: Explosive atmospheres : Part 11 Equipment protection by intrinsic safety "I"	Rs. 48,500/- for Intrinsic Safe Circuits/ equipments having 1 intrinsically safe point; Additional charge of Rs. 8,500/- per point for each subsequent point.	Additional Applicable test charges General Requirements as per IS/IEC 60079 (Part 0) : 2007 as listed against Sr. No. 1 ; and Exclusion : Cl. 10.8 Type tests for diode safety barriers and safety shunt.
10	IS 60079(Part 18): 2014 Electrical apparatus for explosive gas atmospheres : Part 18 Construction, test and marking of type of protection encapsulation "m" electrical apparatus	Rs. 78,500/-	
11	IS 60079(Part 31): 2013 Explosive Atmospheres : Part 31 Equipment Dust Ignition Protection by Enclosure t	Rs. 68,500/-	Additional Applicable test charges for General Requirements as per IS/IEC 60079 (Part 0) : 2007; Impact Test : Rs. 3,000/-; Degree of Protection : Rs. 6,850/- for Enclosures upto 10 lit; Rs. 8,750/- for Enclosures 10 to 20 lit; Rs. 12,500/- for Enclosure larger than 20 lit; Drop test (portable apparatus) Rs. 1,500/- ; Temperature Classification : Rs. 14,500/- ; Thermal Shock (Glass Parts); Rs. 3,000/-; Thermal Endurance to Heat/cold : Rs. 22,500/- ; For Cable Gland : Cable Pull Test : Rs. 5,000/-; Torque Test : Rs. 2,000/- (Mandrel to be provided by manufacturer.) Drawing Verification : Rs. 12,500/-