National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KSE ELECTRICALS PRIVATE LIMITED (TESTING LABORATORY), JALAN INDUSTRIAL COMPLEX, 3RD MAIN ROAD, 4TH LEFT LANE,NH-6, BOMBAY HIWAY. PO.O BEGRI, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9576 **Page No** 1 of 6

Validity 04/06/2021 to 03/06/2023 **Last Amended on** 16/06/2021

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	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coating (Copper coating on steel)	Electroplated Coatings/ Electroplated thickness of copper	IS 3203
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coating	Mass of Zn Coating	IS 6745
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coating (Tin Coating on Copper)	Electroplated Coatings/ Electroplated thickness of Tin	IS 3203
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic Coating (Zinc coating on steel)	Thickness of Electroplated Coatings/ Electroplated thickness	IS 3203
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Metallic coating(Tin coating on Aluminium)	Electroplated Coatings/ Electroplated thickness	IS 3203
6	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron, Steel & Steel wire	Uniformity of Coating	BS 443
7	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron, Steel & Steel wire	Uniformity of Coating	BS 729
8	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron, Steel & Steel wire	Uniformity of Coating	IS 4826
9	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Iron, Steel & Steel wire	Uniformity of Coating	IS 2633
10	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Cr	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Cu	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Fe	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Mg	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Mn	ASTM E 1251
15	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Ni	ASTM E 1251

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9576	**Page No**	2 of 6
Validity	04/06/2021 to 03/06/2023	**Last Amended on**	16/06/2021

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16	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Pb	ASTM E 1251
17	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Si	ASTM E 1251
18	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Sn	ASTM E 1251
19	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Ti	ASTM E 1251
20	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ITS ALLOY	Zn	ASTM E 1251
21	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	C	IS 8811
22	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	Mn	IS 8811
23	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	P	IS 8811
24	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	S	IS 8811
25	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	Si	IS 8811
26	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	. i) Electrical power connectors	Resistance Test	IS 5561
27	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	a) Armour Rods	Electrical resistance test	IS 2121 (Part-I)
28	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	a) Electrical Power Connector	/ Temperature Rise(25°C-130°C)	IS 5561
29	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	a) Tension joint and Anchor Clamp b) Non tension joint	Heating Cycle/ Temperature Rise(25°C-130°C)	IS 2486 (Part -I)
30	ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES	a) Tension joint Class A	Heating Cycle/ Temperature Rise(25°C-130 deg C)	IEC 61284

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9576	**Page No**	3 of 6
Validity	04/06/2021 to 03/06/2023	**Last Amended on**	16/06/2021

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31	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	metal fitting for insulator	Electric Resistance Test/	IS 2486 (Part -I)
32	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Mid span Joint and Repair sleeves	Electric Resistance Test	IS 2121(part 2)
33	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Tension joint,Tension Termination and jumper connection which form part of fitting	Heating Cycle/ 25°C-130°C)	BS-3288, part 1
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steel, Forged Steel	Rockwell Hardness Test HRC	IS 1586 Part 1
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mild Steel, Forged Steel	Brinell Hardness Test	IS 1500 PART -1
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pure Aluminium, Aluminium Alloy	Brinell Hardness Test	IS 1500 PART -1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pure Aluminium, Aluminium Alloy, Mild Steel, Forged Steel	Rockwell Hardness Test HRB	IS 1586 Part 1
38	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Mechanical Strength Test(Component)	IS 9708
39	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Resilient test	IS 10162
40	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Resilient test	IS 2121(Part IV)
41	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electricals Power Connector	Dimension Checked	IS 2121(Part IV)
42	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connecto	Mechanical Strength Test(Accessories)	IS 2486 (Part-I)
43	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Damper Efficiency Test	IS 9708

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9576	**Page No**	4 of 6
Validity	04/06/2021 to 03/06/2023	**Last Amended on**	16/06/2021

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44	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Dimension Check	IS -9708
45	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Dimension Check	IS 2121 : Part 3
46	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Dimension Check	IS 2121 : Part 3
47	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Dimension Check	IS 2121 : Part 4
48	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Dimension Check	IS 2121(Part I)
49	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Dimension Check	IS 5561
50	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Dimension Check	IS: 2486 (Part -I)-
51	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Dynamic Characteristics Test of Vibration Damper	IS 9708
52	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Failing Load Test (Slip strength test)	IS 2121(Part II)
53	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Fatigue Test of Vibration Damper	IS 9708
54	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Mechanical Strength Test(Accessories)	IEC 61284
55	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Mechanical Strength Test(Accessories)	IEC 61284
56	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Mechanical Strength Test(Accessories)	IS 10162
57	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Mechanical Strength Test(Accessories)	IS 2121(Part I)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9576	**Page No**	5 of 6
Validity	04/06/2021 to 03/06/2023	**Last Amended on**	16/06/2021

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58	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Mechanical Strength Test(Component)	IS 2121(Part I)
59	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Mechanical Strength Test(Component)	IS 10162
60	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Mechanical Strength Test(Component)	IS 2486 (Part-I)
61	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Mechanical Strength Test(Hardware String)	IS 2486 (Part-I)
62	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Movement Test	IS 10162
63	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Resilient test	IS 9708
64	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Resilient test	IS 2121(Part I)
65	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Resilient test	IS 2486 (Part-I)
66	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Slip Strength Test	IEC 61284
67	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Slip Strength Test	IS: 2486 (Part -I)
68	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Tensile Load Test & Compression & Pull Off Test	IS 10162
69	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Tensile Test	IEC 61284
70	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Test on Locking Device	IEC 60372
71	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electrical Power Connector	Test on Locking Device	IS 2486 , Part 4

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9576	**Page No**	6 of 6
Validity	04/06/2021 to 03/06/2023	**Last Amended on**	16/06/2021

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72	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electricals Power Connector	Dimension Checked	IS - 2121(Part –II)
73	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electricals Power Connector	Dimension Checked	IS 2121(Part I)
74	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electricals Power Connector	Dimension Checked	IS 2121, Part 3
75	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electricals Power Connector	Dimension Checked	IS 2486 (Part -I)
76	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electricals Power Connector	Dimension Checked	IS 5561
77	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electricals Power Connector	Dimension Checked	IS 9708
78	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Group 1: Insulator Hardware and Accessories Fittings for overhead transmission Line above >1000V & Electricals Power Connector	Dimension Checked	,IS 2121(Part IV)