National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LUMINO INDUSTRIES LIMITED (TESTING LABORATORY), BIPRANNAPARA, HOWRAH, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9194 **Page No** 1 of 5

Validity 04/01/2021 to 03/01/2023 **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- CABLES & WIRES	Aerial Bunched Cable	Bending Test	Cl.No. 11.4 , IS 14255
2	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable	Carbon content	IS 14255 Cl.No. 10.1.d.3,
3	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable	Conductor Resistance	IS 14255
4	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable	Elongation Test on insulation	Cl.No. 5.1.2 , IS 14255
5	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable	H.V. Test (AC) at room temperature	Cl.No. 10.1.g, IS 14255
6	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable	Tensile strength (for Aluminium conductor)	Cl.No. 10.1 a.1, IS 14255
7	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Breaking Load on Messenger Conductor	Cl.No. 6.5 , 14255
8	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Elongation at break of insulation	Cl.No. 10.1 d.i, IS 14255
9	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Elongation Test on Messenger Conductor	IS 14255
10	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Hot Set Test	Cl.No. 10.1.c.3, IS 14255
11	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Insulation resistance (Volume Resistivity)	Cl.No. 10.1 d , IS 14255
12	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Shrinkage test	Cl.No. 10.1.C.4, IS 14255
13	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Tensile Strength on insulation after ageing in air oven	Cl.No. 10.1 C.2, IS 14255
14	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Test for eccentricity and thickness of insulation	Cl.No. 10.1 e.1, IS 14255
15	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Water Absorption (Gravimetric)	Cl.No. 10.1.c.1, IS 14255
16	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables	Wrapping test for Aluminium Conductor	IS 10810 : Part 3
17	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposes Aluminium Alloy Stranded conductors	Conductor resistance test	IS :398(P-4)
18	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposes Aluminium Alloy Stranded conductors	Elongation test	IEC:61089

SCOPE OF ACCREDITATION

Laboratory Name : LUMINO INDUSTRIES LIMITED (TESTING LABORATORY), BIPRANNAPARA, HOWRAH, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9194 **Page No** 2 of 5

Validity 04/01/2021 to 03/01/2023 **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
19	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposes Aluminium Alloy Stranded Conductors	Lay Length	IS 398 part 4
20	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposes Aluminium conductors, galvanized steel - reinforced	Breaking load, Tensile strength UTS on individual wire.	IS 398 PART 2
21	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposes Aluminium conductors, galvanized steel - reinforced	Conductor Resistance	IS 398 Part 5
22	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposes Aluminium conductors, galvanized steel - reinforced	Conductor Resistance of individual wire	IS :398(P-2)
23	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposes Aluminium conductors, galvanized steel - reinforced	Lay Ratio	IS 398 part 5
24	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposes Aluminium conductors, galvanized steel - reinforced	Mass of Zinc Coating	BS:215(P-2)
25	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposes Aluminium conductors, galvanized steel - reinforced	Wire Diameter	IS :398(P-2)
26	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposesAluminium Alloy Stranded conductors	Elongation Test	IS 398 part 4
27	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposesAluminium Alloy Stranded conductorsIS 398(PART-4):1994	Breaking load of individual aluminium wire	IS :398(P-4)
28	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Adhesion Test	BS:215(P-2)
29	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Breaking Load Test on individual wire	IS 398 part 5
30	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Lay Ratio	IS :398(P-2)
31	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Measurement of lay ratio	IS 398 : Part 2
32	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Torsion Test on Galvanised Steel wire	IS :398(P-2)
33	ELECTRICAL- CABLES & WIRES	Aluminium conductors for overhead transmission purposesAluminium conductors, galvanized steel - reinforced	Wrapping test	IS :398(P-2)
34	ELECTRICAL- CABLES & WIRES	Bare Aluminium Conductors	Breaking Load on individual wire	IS 398 part 1

SCOPE OF ACCREDITATION

Laboratory Name :	LUMINO INDUSTRIES LIMITED (TESTING LABORATORY), BIPRANNAPARA, HOWRAH, HOWRAH, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9194	**Page No**	3 of 5
Validity	04/01/2021 to 03/01/2023	**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
35	ELECTRICAL- CABLES & WIRES	Bare Aluminium Conductors	Conductor Resistance	IS 398 part 1
36	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC sheathed cables	Elongation Test on insulation	cl. no. 4.1.2, IS 7098 Part-1
37	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC sheathed cables	Flammability test	IS 10810 : Part 53
38	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated PVC sheathed cables	Thickness of outer sheath	Cl.15.2.e, IS 7098 part 1
39	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Armour Resistance Test	IS 10810 : Part 42
40	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Conductor resistance	IS 8130
41	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Elongation at break of armouring material	IS 10810 : Part 37
42	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Heat shock test	IS 10810 : Part 14
43	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	High voltage Test (AC)	IS 10810 : Part 45
44	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Hot deformation test	IS 5831
45	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Hot Set Test	IS 10810 : Part 30
46	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Insulation resistance (Volume Resistivity)	IS 5831
47	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Loss of mass test	IS 5831
48	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Mass of Zinc coating	IS 10810 : Part 41
49	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Resistivity & Conductance test of Armour (Wires/strips)	IS 10810 : Part 42
50	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Shrinkage test	IS 5831
51	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Tensile Test of armour strip/wire/tape	IS 3975
52	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Test for eccentricity and thickness of insulation	IS 10810 : Part 36
53	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Thermal Stability (for sheath)	IS 10810 : Part 60

SCOPE OF ACCREDITATION

Laboratory Name : LUMINO INDUSTRIES LIMITED (TESTING LABORATORY), BIPRANNAPARA, HOWRAH, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9194 **Page No** 4 of 5

Validity 04/01/2021 to 03/01/2023 **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
54	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Thickness of Insulation & Sheath	IS 10810 : Part 6
55	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Torsion Test on Galvanised Steel wire	IS 10810 : Part 11
56	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Torsion test on Galvanised steel wire for armouring	IS 10810 : Part 38
57	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Uniformity of Zinc coating	IS 10810 : Part 40
58	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Water Absorption (Gravimetric)	IS 10810 : Part 33
59	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Winding test on Galvanised steel strips for armouring	IS 10810 : Part 39
60	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cables	Wrapping test for Aluminium Conductor	IS 10810 : Part 3
61	ELECTRICAL- CABLES & WIRES	CrossLinked Polyethylene Insulated PVC sheathed cablesIS 7098(PART-1):1988	Tensile strength on insulation after ageing in air oven	IS 5831
62	ELECTRICAL- CABLES & WIRES	Electrical cables & wires, Bare Aluminium conductor AAAC.	Lay Ratio	IS :398(P-4)
63	ELECTRICAL- CABLES & WIRES	Electrical cables & wires, Bare Aluminium conductor AAAC.	Wire Diameter	IS :398 (P-4)
64	ELECTRICAL- CABLES & WIRES	PVC Insulated PVC sheathed cables	Thermal Stability (for insulation)	IS 5831
65	ELECTRICAL- CABLES & WIRES	PVC insulated	High voltage Test (AC)	IS 10810 : Part 45
66	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Annealing test for Copper Conductor	IS 10810 : Part 1
67	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Annealing test for Copper Conductor	IS 8130
68	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Cold Bend Test	IS 1554(part-1) Cl.No.15.1.g,
69	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Conductor resistance	IS 10810 : Part 5
70	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Conductor resistance	IS 8130
71	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Elongation at break of insulation & sheath	IS 694
72	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Elongation Test on Insulation	cl. no. 4.1.3, IS 5831

SCOPE OF ACCREDITATION

Laboratory Name : LUMINO INDUSTRIES LIMITED (TESTING LABORATORY), BIPRANNAPARA, HOWRAH, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9194 **Page No** 5 of 5

Validity 04/01/2021 to 03/01/2023 **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
73	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Flammability test	IS 10810 : Part 53
74	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Heat shock test	IS 10810 : Part 14
75	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Heat shock test	IS 694
76	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	High voltage Test (AC) Water Immersion	IS 10810 : Part 45
77	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	High voltage Test (DC) Water Immersion	IS 10810 (Part 45)
78	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Hot deformation test	IS 10810 : Part 15
79	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Hot deformation test	IS 5831
80	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Insulation resistance	IS 10810 : Part 43
81	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Insulation resistance	IS 5831
82	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Shrinkage test	IS 10810 : Part 12
83	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Tensile strength for Aluminium Conductor	IS 10810 : Part 2
84	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Tensile strength on insulation after ageing in air oven	IS 694
85	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Tensile Test of Armour wire/strip/tape	IS 3975
86	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Thickness of Insulation & Sheath	IS 10810 : Part 6
87	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Thickness of outer sheath	IS 1554 PART 1
88	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Volume Resistivity	IS 10810 : Part 43
89	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables	Wrapping test for Aluminium Conductor	IS 10810 : Part 3