National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CONDUCTOR TESTING LABORATORY OF HINDUSTHAN URBAN INFRASTRUCTURE LIMITED, 321, 325/1386, CHAMPAJHARA, MALIPADA, KHURDA, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5805 **Page No** 1 of 11

Validity 12/06/2021 to 11/06/2023 **Last Amended on** 22/06/2021

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	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	ASTM A370
2	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	ASTM B557
3	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	ASTM B557M
4	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	BS 215 (Part 1) Cl. 4.3
5	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	BS 215 (Part 2) Cl. 4.3.1
6	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	BS EN 50182 Cl. 6.5.2
7	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	IEC 61089 Cl. 6.6.4
8	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	IEC 62004 Cl. 7.3.3
9	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	IS 398 (Part 1) Cl. 12.3
10	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	IS 398 (Part 2) Cl. 13.3.1
11	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	IS 398 (Part 4) Cl. 12.2
12	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	IS 398 (Part 5) Cl. 13.5.2
13	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Breaking Load	SS 4240814 Cl. 5

SCOPE OF ACCREDITATION

Laboratory Name : CONDUCTOR TESTING LABORATORY OF HINDUSTHAN URBAN INFRASTRUCTURE LIMITED, 321, 325/1386, CHAMPAJHARA, MALIPADA, KHURDA, ODISHA, INDIA

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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
14	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	ASTM B 193
15	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	ASTM B 263
16	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	BS 215 (Part 1) Cl. 4.3
17	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	BS 215 (Part 2) Cl. 4.3.1
18	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	IEC 60889
19	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	IEC 61089
20	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	IEC 62004 Cl. 7.3.5
21	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	IS 398 (Part 1) Cl. 12.5
22	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	IS 398 (Part 2) Cl. 13.6
23	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	IS 398 (Part 4) Cl. 12.4
24	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	IS 398 (Part 5) Cl. 13.8
25	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	DC Resistance (Resistivity)	SS 4240814
26	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	ASTM B230 Cl. 14.1
27	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	ASTM B800

SCOPE OF ACCREDITATION

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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
28	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	BS 215 (Part 1) Cl. 1.2
29	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	BS 215 (Part 2) Cl. 3.1
30	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	BS EN 50182 Cl. 6.5.2
31	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	IEC 61089 Cl. 6.6.1.3
32	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	IEC 62004 Cl. 7.3.2
33	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	IS 398 (Part 1) Cl. 12.2
34	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	IS 398 (Part 2) Cl. 13.2
35	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	IS 398 (Part 4) Cl. 3.1.2
36	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	IS 398 (Part 5) Cl. 13.3
37	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Diameter	SS 4240814 Cl. 4
38	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Elongation	ASTM B 557
39	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Elongation	BS 215 (Part 1) Cl. 4.3
40	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Elongation	BS 215 (Part 2) Cl. 4.3.1
41	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Elongation	BS EN 50182

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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
42	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Elongation	IEC 61089
43	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Elongation	IEC 62004 Cl. 7.3.4
44	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Elongation	IS 398 (Part 4) Cl. 12.3
45	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Elongation	SS 4240813
46	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Elongation	SS 4240814
47	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Lay Ratio	BS 215 (Part 1) Cl. 3.4.2
48	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Lay Ratio	BS 215 (Part 2) Cl. 3.4.2
49	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Lay Ratio	BS EN 50182 Cl. 5.5.5
50	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Lay Ratio	IEC 61089 Cl. 6.6.6
51	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Lay Ratio	IEC 62004
52	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Lay Ratio	IS 398 (Part 1) Cl. 12.6
53	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Lay Ratio	IS 398 (Part 2) Cl. 13.8
54	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Lay Ratio	IS 398 (Part 4) Cl. 3.1.4
55	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Lay Ratio	IS 398 (Part 5) Cl. 13.4

SCOPE OF ACCREDITATION

Laboratory Name : CONDUCTOR TESTING LABORATORY OF HINDUSTHAN URBAN INFRASTRUCTURE LIMITED, 321, 325/1386, CHAMPAJHARA, MALIPADA, KHURDA, ODISHA, INDIA

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Validity 12/06/2021 to 11/06/2023 **Last Amended on** 22/06/2021

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
56	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Lay Ratio	SS 4240814
57	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	ASTM B 498
58	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	BS 215 (Part 1) Cl. 4.3
59	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	BS 215 (Part 2) Cl. 4.3.1
60	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	BS EN 50182 Cl. 6.5.2
61	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	IEC 60889
62	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	IEC 61089
63	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	IEC 62004 Cl. 7.3.7
64	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	IS 398 (Part 1) Cl. 12.4
65	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	IS 398 (Part 2) Cl. 13.5.1
66	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	IS 398 (Part 4)
67	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	IS 398 (Part 5) Cl. 13.7.1
68	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	SS 4240814
69	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	AAC ACSR AAAC ACAR AACSR AL-59 HTLS Conductor AL/Alloy Rod/Wire	Wrapping	SS 424813

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Laboratory Name : CONDUCTOR TESTING LABORATORY OF HINDUSTHAN URBAN INFRASTRUCTURE LIMITED, 321, 325/1386, CHAMPAJHARA, MALIPADA, KHURDA, ODISHA, INDIA

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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
70	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Adhesion of Zinc Coating	ASTM A 263
71	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Adhesion of Zinc Coating	ASTM A 90M
72	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Adhesion of Zinc Coating	BS 215 (Part 2) Cl. 4.3.2
73	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Adhesion of Zinc Coating	BS EN 50182 Cl. 6.5.2
74	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Adhesion of Zinc Coating	IEC 60888
75	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Adhesion of Zinc Coating	IEC 61089
76	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Adhesion of Zinc Coating	IEC 61232
77	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Adhesion of Zinc Coating	IS 398 (Part 2) Cl. 13.7.2
78	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Adhesion of Zinc Coating	IS 398 (Part 5) Cl. 13.9.2
79	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Adhesion of Zinc Coating	IS 4826
80	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Breaking Load	ASTM A 370
81	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Breaking Load	ASTM B 557
82	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Breaking Load	BS 215 (Part 2) Cl. 4.3.2
83	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Breaking Load	BS EN 50182 Cl. 6.5.2

SCOPE OF ACCREDITATION

Laboratory Name : CONDUCTOR TESTING LABORATORY OF HINDUSTHAN URBAN INFRASTRUCTURE LIMITED, 321, 325/1386, CHAMPAJHARA, MALIPADA, KHURDA, ODISHA, INDIA

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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
84	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Breaking Load	IEC 61089 Cl. 6.6.4
85	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Breaking Load	IEC 61232 Cl. 6.3
86	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Breaking Load	IS 398 (Part 2) Cl. 13.3.1
87	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Breaking Load	IS 398 (Part 5) Cl. 13.5.2
88	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Diameter	ASTM B 230 Cl. 14.1
89	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Diameter	ASTM B 498 Cl. 14.3
90	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Diameter	ASTM B 800
91	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Diameter	BS 215 (Part 2) Cl. 3.1
92	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Diameter	BS EN 50182 Cl. 6.5.2
93	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Diameter	IEC 61089 Cl. 6.6.1.3
94	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Diameter	IEC 61232 Cl. 4.4
95	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Diameter	IS 398 (Part 2) Cl. 13.2
96	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Diameter	IS 398 (Part 5) Cl. 13.3
97	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Elongation	ASTM A 370

SCOPE OF ACCREDITATION

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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
98	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Elongation	ASTM B 557
99	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Elongation	BS 215 (Part 2) Cl. 4.3.2
100	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Elongation	BS EN 50182 Cl. 6.5.2
101	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Elongation	IEC 60888
102	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Elongation	IEC 61089
103	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Elongation	IEC 61232 Cl. 6.3.2
104	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Elongation	IS 398 (Part 2) Cl. 13.4.2
105	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Elongation	IS 398 (Part 5) Cl. 13.6.2
106	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Lay Ratio	BS 215 (Part 2) Cl. 3.4.2
107	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Lay Ratio	BS EN 50182 Cl. 5.5.4
108	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Lay Ratio	IEC 61089 Cl. 6.6.6
109	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Lay Ratio	IEC 61232
110	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Lay Ratio	IS 398 (Part 2) Cl. 13.8
111	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Lay Ratio	IS 398 (Part 5) Cl. 13.4

SCOPE OF ACCREDITATION

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112	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	ASTM A 90M
113	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	ASTM B 263
114	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	BS 215 (Part 2) Cl. 4.3.2
115	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	BS EN 50182 Cl. 6.5.2
116	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	IEC 60888
117	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	IEC 61089
118	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	IEC 61232
119	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	IS 398 (Part 2) Cl. 13.7.2
120	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	IS 398 (Part 5) Cl. 13.9.2
121	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	IS 4826
122	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Mass of Zinc Coating	IS 6745
123	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Torsion	BS 215 (Part 2) Cl. 4.3.2
124	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Torsion	BS EN 50182 Cl. 6.5.2
125	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Torsion	IEC 60888

SCOPE OF ACCREDITATION

Laboratory Name : CONDUCTOR TESTING LABORATORY OF HINDUSTHAN URBAN INFRASTRUCTURE LIMITED, 321, 325/1386, CHAMPAJHARA, MALIPADA, KHURDA, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5805 **Page No** 10 of 11

Validity 12/06/2021 to 11/06/2023 **Last Amended on** 22/06/2021

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
126	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Torsion	IEC 61089
127	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Torsion	IEC 61232 Cl. 6.3.3
128	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Torsion	IS 398 (Part 2) Cl. 13.4.1
129	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Torsion	IS 398 (Part 5) Cl. 13.6.1
130	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	ASTM A 90M
131	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	ASTM B 263
132	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	BS 215 (Part 2) Cl. 4.3.2
133	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	BS EN 50182 Cl. 6.5.2
134	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	IEC 60888
135	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	IEC 61089
136	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	IEC 61232
137	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	IS 2633
138	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	IS 398 (Part 2) Cl. 13.7.2
139	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	IS 398 (Part 5) Cl. 13.9.2

SCOPE OF ACCREDITATION

Laboratory Name :	CONDUCTOR TESTING LABORATORY OF HINDUSTHAN URBAN INFRASTRUCTURE LIMITED, 321, 325/1386, CHAMPAJHARA, MALIPADA, KHURDA, ODISHA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5805	**Page No**	11 of 11
Validity	12/06/2021 to 11/06/2023	**Last Amended on**	22/06/2021

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
140	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Uniformity of Zinc Coating	IS 4826
141	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Wrapping	ASTM B 498
142	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Wrapping	BS 215 (Part 2) Cl. 4.3.2
143	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Wrapping	BS EN 50182 Cl. 6.5.2
144	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Wrapping	IEC 60888
145	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Wrapping	IEC 61089
146	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Wrapping	IEC 61232
147	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Wrapping	IS 398 (Part 2) Cl. 13.5.2
148	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Galvanized Steel Core & Wire	Wrapping	IS 398 (Part 5) Cl. 13.7.2