National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : APAR INDUSTRIES LTD. (CONDUCTOR DIVISION LAB) , JHARSUGUDA, KHATA NO.254/334, PLOT NO.1383,1387/1393/1390/1385, VILL & POST:RAGHUNATHPALI, TEHSIL:KOLABIRA, JHARSUGUDA, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
Permanent Facility				
1	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	ASTM B 232 (Cl No. 6)
2	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	ASTM B 399 (Cl. No. 14)
3	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	ASTM B 524 (Cl No. 13)
4	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	ASTM B 711 (Cl. No. 14)
5	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	BS 215 (Part 1) (Cl. No. 4.3)
6	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	BS 215 (Part 2) (Cl. No. 4.3.1)
7	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	EN 50182 (Cl.No. 6.5.2)
8	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	IEC 61089 (Cl. No. 6.6.4)
9	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	IS 398 (Part 1) (Cl. No. 12.3)
10	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	IS 398 (Part 2)(Cl. No. 13.3)
11	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	IS 398 (Part 4) (Cl. No. 12.2)
12	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	IS 398 (Part 5) (Cl. No. 13.5.2)
13	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Breaking Load / UTS	SS 4240814 (Cl. No. 5)

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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	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	ASTM B 232 (Cl. No.6)
15	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	ASTM B 399 (Cl No. 14)
16	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	ASTM B 524 (Cl. No. 13)
17	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	ASTM B 711 (Cl. No. 14)
18	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	BS 215 (Part 2) (Cl. No. 4.3.2)
19	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	EN 50182 (Cl. No. 6.5.2)
20	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	IEC 61089 (Cl.No. 1.1B)
21	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	IS 398 (Part 2) (Cl. No. 13.4.2
22	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	IS 398 (Part 4) (Cl.No. 12.3)
23	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	IS 398 (Part 5) (Cl. No. 13.6.2)
24	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Elongation	SS 4240814 (Cl.No. 3)
25	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	ASTM B 232 (Cl. No. 8)
26	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	ASTM B 399 (Cl. No. 7)
27	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	ASTM B 524 (Cl. No. 6)

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28	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	ASTM B 711 (Cl. No. 7)
29	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	BS 215 (Part 1)(Cl. No. 3.4)
30	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	BS 215 (Part 2) (Cl. No. 3.4)
31	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	EN 50182 (Cl. No. 5.5)
32	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	IEC 61089 (Cl. No. 5.4)
33	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	IS 398 (Part 1) (Cl.No. 3.4)
34	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	IS 398 (Part 2) (Cl. No. 3.4)
35	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	IS 398 (Part 4) (Cl. No. 3.1.4)
36	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	IS 398 (Part 5) (Cl.No. 13.4)
37	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Length	SS 4240814 (Cl No. 4)
38	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	ASTM B 232 (Cl. No. 8)
39	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	ASTM B 399 (Cl. No. 7)
40	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	ASTM B 524 (Cl. No. 6)
41	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	ASTM B 711 (Cl. No. 7)

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42	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	BS 215 (Part 1) (C.l No. 3.4)
43	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	BS 215 (Part 2) (Cl. No. 3.4)
44	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	EN 50182 (Cl. No. 5.5)
45	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	IEC 61089 (Cl. No. 5.4)
46	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	IS 398 (Part 1) (Cl. No. 3.4)
47	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	IS 398 (Part 2) (Cl. No. 3.4)
48	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	IS 398 (Part 4) (Cl. No. 3.1.4)
49	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	IS 398 (Part 5) (Cl. No. 13.4)
50	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Lay Ratio	SS 4240814 (Cl. No. 4)
51	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Mass of Zinc Coating On HTGS Wire	ASTM B 232 (Cl No. 6)
52	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Mass of Zinc Coating On HTGS Wire	ASTM B 711 (Cl No. 5.2)
53	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Mass of Zinc Coating On HTGS Wire	BS 215 (Part 2)(Cl No. 4.3.2)
54	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Mass of Zinc Coating On HTGS Wire	EN 50182 (Cl No. 6.5.2)
55	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Mass of Zinc Coating On HTGS Wire	IEC 888 (Cl No. 11.2 appendix A & 11.3 Appendix B))

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56	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Mass of Zinc Coating On HTGS Wire	IS 6745 (Cl No. 5)
57	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Resistance and Resistivity	ASTM B 232 (Cl.No. 6)
58	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Resistance and Resistivity	BS 215 (Part 1) (Cl. No. 4.3)
59	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Resistance and Resistivity	BS 215 (Part 2) (Cl. No. 4.3.1)
60	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Resistance and Resistivity	EN 50182 (Cl. No. 6.5.2)
61	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Resistance and Resistivity	IEC 61089 (Cl. No. 1.1A)
62	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Resistance and Resistivity	IS 398 (Part 1) (Cl. No. 13.5)
63	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Resistance and Resistivity	IS 398 (Part 2) (Cl. No.13.6)
64	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Resistance and Resistivity	IS 398 (Part 4) (Cl. No.12.4)
65	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Resistance and Resistivity	IS 398 (Part 5) (Cl. No. 13.8)
66	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Torsion Test	BS 215 (Part 2)(Cl. No. 4.3.2)
67	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Torsion Test	EN 50182 (Cl No. 6.5.2)
68	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Torsion Test	IEC 61089
69	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Torsion Test	IS 398 (Part 2)(Cl. No. 13.4.1)

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70	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Torsion Test	IS 398 (Part 5)(Cl. No. 13.6.1)
71	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Uniformity of Coating Test (On Galvanized Steel Wire – Dip Test / preece test)	BS 215 (Part 2) (Cl No. 4.3.2)
72	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Uniformity of Coating Test (On Galvanized Steel Wire – Dip Test / preece test)	EN 50182 (Cl. No. 6.5.2)
73	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Uniformity of Coating Test (On Galvanized Steel Wire – Dip Test / preece test)	IS 2633 (Cl No. 4.0)
74	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	ASTM B 232 (Cl. No. 6)
75	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	ASTM B 399 (Cl. No. 2)
76	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	ASTM B 416 (Cl. No.12)
77	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	ASTM B 524 (Cl. No. 4)
78	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	ASTM B 711 (Cl. No. 5)
79	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	BS 215 (Part 1) (Cl. No. 4.3)
80	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	BS 215 (Part 2) (Cl. No. 4.3.1)
81	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	EN 50182 (Cl No. 6.5.2)
82	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	IEC 61089 (Cl No. 6.6.1.3)
83	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	IS 398 (Part 1) (Cl No. 12.2)

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84	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	IS 398 (Part 2) (Cl No. 13.2)
85	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	IS 398 (Part 4) (Cl No. 3.1.2)
86	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	IS 398 (Part 5) (Cl. No. 13.3)
87	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wire Diameter / Size	SS 4240814 (Cl. No. 4)
88	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrap Test	ASTM B 232 (Cl No. 6)
89	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrap Test	ASTM B 399 (Cl. No. 14)
90	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrap Test	EN 50182 (Cl. No. 6.5.2)
91	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrap Test	IEC 61089
92	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrap Test	IS 398 (Part 1) (Cl. No. 12.4)
93	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrap Test	IS 398 (Part 2) (Cl. No. 13.5)
94	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrap Test	IS 398 (Part 5) (Cl. No. 13.7)
95	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrapp Test	ASTM b 524 (Cl No. 13)
96	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrapp Test	ASTM B 711 (Cl. No. 14)
97	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrapp Test	BS 215 (Part 1)(Cl. No, 4.3)

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98	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrapp Test	BS 215 (Part 2)(Cl. No. 4.3.1)
99	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	EC & Alloy Conductors for Transmission & distribution of lines	Wrapp Test	SS 4240814 (Cl. No. 3)