National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	CENTRAL LABORATORY & TECHNICAL SERVICES, JINDAL STAINLESS LIMITED, KALINGA NAGAR INDUSTRIAL COMPLEX, P.O DANAGADI, JAJPUR, ODISHA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8340	**Page No**	1 of 7
Validity	11/01/2023 to 10/01/2025	**Last Amended on**	23/03/2023

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- METALS & ALLOYS	Ferro silicon	Carbon	ASTM E 1019
2	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Silicon	IS :1559 part 1
3	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Silicon content	ISO 4158
4	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Sulphur	ASTM E 1019
5	CHEMICAL- METALS & ALLOYS	Ferro Titanium	Carbon	ASTM E 1019
6	CHEMICAL- METALS & ALLOYS	Ferro Titanium	Sulphur	ASTM E 1019
7	CHEMICAL- METALS & ALLOYS	Ferro Titanium	Titanium	IS 13840
8	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Carbon	ASTM E 1019
9	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Chromium	IS 13452 (Part 5)
10	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Phosphorus	IS 13452 (Part 7)
11	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Silicon	IS 13452 (Part 1)
12	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Sulphur	ASTM E 1019
13	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Managnese	Silicon	IS 1559
14	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Manganese	Carbon	ASTM E 1019
15	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Manganese	Manganese	IS 1559
16	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Manganese	Phosphorus	IS 1559
17	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Manganese	Sulphur	ASTM E 1019
18	CHEMICAL- METALS & ALLOYS	Low alloy steel	Chromium	ASTM E 415

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19	CHEMICAL- METALS & ALLOYS	Low alloy Steel	Chromium	JIS G1253
20	CHEMICAL- METALS & ALLOYS	stainless steel	Aluminium	JIS G 1253
21	CHEMICAL- METALS & ALLOYS	Stainless Steel	Boron	JIS G 1253
22	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1019
23	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
24	CHEMICAL- METALS & ALLOYS	stainless steel	Carbon	IS 9879
25	CHEMICAL- METALS & ALLOYS	stainless steel	Carbon	JIS G 1253
26	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
27	CHEMICAL- METALS & ALLOYS	stainless steel	Chromium	IS 9879
28	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	JIS G 1253
29	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
30	CHEMICAL- METALS & ALLOYS	stainless steel	Copper	IS 9879
31	CHEMICAL- METALS & ALLOYS	stainless steel	copper	JIS G 1253
32	CHEMICAL- METALS & ALLOYS	Stainless Steel	Hydrogen	IS 228(P-22)
33	CHEMICAL- METALS & ALLOYS	Stainless steel	Lead	JIS G1253
34	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
35	CHEMICAL- METALS & ALLOYS	stainless steel	Manganese	IS 9879
36	CHEMICAL- METALS & ALLOYS	stainless steel	Manganese	JIS G 1253
37	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086

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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
38	CHEMICAL- METALS & ALLOYS	stainless steel	Molybdenum	IS 9879
39	CHEMICAL- METALS & ALLOYS	stainless steel	Molybdenum	JIS G 1253
40	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
41	CHEMICAL- METALS & ALLOYS	stainless steel	Nickel	IS 9879
42	CHEMICAL- METALS & ALLOYS	stainless steel	Nickel	JIS G 1253
43	CHEMICAL- METALS & ALLOYS	stainless steel	Niobium	JIS G 1253
44	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	ASTM E 1019
45	CHEMICAL- METALS & ALLOYS	stainless steel	Nitrogen	JIS G 1253
46	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 1086
47	CHEMICAL- METALS & ALLOYS	stainless steel	Phosphorus	IS 9879
48	CHEMICAL- METALS & ALLOYS	stainless steel	Phosphorus	JIS G 1253
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
50	CHEMICAL- METALS & ALLOYS	stainless steel	silicon	IS 9879
51	CHEMICAL- METALS & ALLOYS	stainless steel	silicon	JIS G 1253
52	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1019
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
54	CHEMICAL- METALS & ALLOYS	stainless steel	Sulphur	IS 9879
55	CHEMICAL- METALS & ALLOYS	stainless steel	Sulphur	JIS G 1253
56	CHEMICAL- METALS & ALLOYS	stainless steel	Tin	JIS G 1253

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57	CHEMICAL- METALS & ALLOYS	stainless steel	Titanium	JIS G 1253
58	CHEMICAL- METALS & ALLOYS	stainless steel	Tungsten	JIS G 1253
59	CHEMICAL- METALS & ALLOYS	stainless steel	Vanadium	JIS G 1253
60	CHEMICAL- ORES & MINERALS	Quartzite	SiO2	IS 1917 Part 3
61	CHEMICAL- SOLID FUELS	Coal	Ash Content	IS 1350 (Part 1)
62	CHEMICAL- SOLID FUELS	Coal	Ash content	ISO 1171
63	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number	IS 1353(Part-1)
64	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number	ISO 501
65	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS 1350 (Part 1)
66	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 (Part 2)
67	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	ISO 1928
68	CHEMICAL- SOLID FUELS	Coal	Moisture	ISO 5068-2
69	CHEMICAL- SOLID FUELS	Coal	Moisture	ISO 589
70	CHEMICAL- SOLID FUELS	Coal	Moisture Content	IS 1350 (Part 1)
71	CHEMICAL- SOLID FUELS	Coal	Phosphorus	IS 1350 (Part 5)
72	CHEMICAL- SOLID FUELS	Coal	Phosphorus	ISO 622
73	CHEMICAL- SOLID FUELS	Coal	Sulphur	IS 1350 (Part 3)
74	CHEMICAL- SOLID FUELS	Coal	Sulphur	ISO 334
75	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 (Part 1)
76	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ISO 562
77	CHEMICAL- SOLID FUELS	Coke	Ash Content	IS 1350 (Part 1)
78	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	IS 1350 (Part 1)
79	CHEMICAL- SOLID FUELS	Coke	Moisture of Test Sample	IS 1350 Part 1
80	CHEMICAL- SOLID FUELS	Coke	Volatile matter	IS 1350 (Part 1)
81	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Tensile Strength	IS 1608 (Part 1)
82	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Bend Test	JIS Z 2248

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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
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Brinell Hardness	JIS Z 2243
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Charpy Impact test “V” Notch	JIS Z 2242
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Vickers Hardness	JIS Z 2244
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Vickers Hardness	JIS Z 2244
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Vickers Hardness	JIS Z 2244
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Bend Test	ASTM E 290
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Bend Test	IS 1599
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Brinell Hardness	ASTM E10
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Charpy Impact test "V” Notch	ISO 148-1
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Charpy Impact test “V” Notch	ASTM E 23
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Elongation	ASTM E 8
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Elongation	JIS Z 2241
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Reduction in Area%	IS 1608 Part 1
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Rockwell Hardness HRBW	ASTM E 18

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97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Rockwell Hardness HRBW	JIS Z 2245
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Sheet and Strip-Erichsen Cupping Test (for Thickness above 2 mm)	IS 6240
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon steel/ Stainless Steel	Sheet and Strip-Erichsen Cupping Test (for Thickness upto 2 mm)	IS 10175 (Part 1)
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Tensile Strength	ASTM E 8
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Vickers Hardness	ASTM E 92
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Vickers Hardness	ASTM E 92
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Vickers Hardness	JIS Z 2244
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Vickers Hardness	JIS Z 2244
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/ Stainless Steel	Yield Strength (0.2% Proof)	IS 1608 (Part 1)
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Yield Strength (0.2 % Proof)	ASTM E 8
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Tensile Strength	JIS Z 2241
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Elongation%	IS 1608 (Part 1)
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Reduction in Area%	ASTM E 8
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Reduction in Area%	JIS Z 2241

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111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Rockwell Hardness HRC	ASTM E 18
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Vickers Hardness	ASTM E 92
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Vickers Hardness	ASTM E 92
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Vickers Hardness	ASTM E 92
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel/Stainless Steel	Yield Strength (0.2 % Proof)	JIS Z 2241
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel	Plastic Strain Ratio R for Sheet Metal	ASTM E517
117	MECHANICAL-METALLOGRAPHY TEST	Carbon Steel/ Stainless Steel	Average Grain Size by Comparison Method	ASTM E112
118	MECHANICAL-METALLOGRAPHY TEST	Carbon Steel/ Stainless Steel	Evaluation of General Microstructure	ASM Handbook Volume 9
119	MECHANICAL-METALLOGRAPHY TEST	Carbon Steel/Stainless Steel	Inclusion Rating	ASTM E 45, Method A
120	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	% Delta Ferrite	ASTM E 562
121	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Practice A	ASTM A 262
122	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Practice A	JIS G 0571
123	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Practice C	ASTM A 262
124	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Practice C	JIS G 0573
125	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Plate/Sheet	IGC Practice E	JIS G 0575
126	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Plate/Sheet	IGC Practice E	ASTM A262