National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SCIENTIFIC SERVICES, TATA STEEL, KALINGANAGAR INDUSTRIAL COMPLEX, DUBURI, JAJPUR, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 13/04/2022 to 12/04/2024 **Last Amended on** 20/04/2022

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	Aluminium & its alloys	Copper	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
9	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Aluminium	JIS G 1253
10	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Boron	JIS G 1253
11	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Calcium	JIS G 1253
12	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Carbon	JIS G 1253

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Laboratory Name : SCIENTIFIC SERVICES, TATA STEEL, KALINGANAGAR INDUSTRIAL COMPLEX, DUBURI, JAJPUR, 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
13	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Carbon	SS/TSK/CHEM/003; Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
14	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Chromium	JIS G 1253
15	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Copper	JIS G 1253
16	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Manganese	JIS G 1253
17	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Molybdenum	JIS G 1253
18	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Nickel	JIS G 1253
19	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Niobium	JIS G 1253
20	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Nitrogen	IS 228 (Part 24)
21	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Nitrogen	JIS G 1253
22	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Oxygen	SS/TSK/CHEM/004; Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
23	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Phosphorus	JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Silicon	JIS G 1253
25	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Sulfur	JIS G 1253
26	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Sulfur	SS/TSK/CHEM/003; Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
27	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Titanium	JIS G 1253
28	CHEMICAL- METALS & ALLOYS	Carbon Steels and Low Alloy Steels	Vanadium	JIS G 1253
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E 1999

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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
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
34	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999
36	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
38	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	ASTM E1999
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	SS/TSK/CHEM/002; Issue/Effective Date-10/06/2021 Issue/Rev No-03.00

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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
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E1999
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
46	CHEMICAL- METALS & ALLOYS	Ferro-chrome alloys	Carbon	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
47	CHEMICAL- METALS & ALLOYS	Ferro-chrome alloys	Chromium	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
48	CHEMICAL- METALS & ALLOYS	Ferro-chrome alloys	Phosphorus	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
49	CHEMICAL- METALS & ALLOYS	Ferro-chrome alloys	Silicon	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
50	CHEMICAL- METALS & ALLOYS	Ferro-chrome alloys	Sulfur	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
51	CHEMICAL- METALS & ALLOYS	Ferro-chrome alloys	Titanium	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
52	CHEMICAL- METALS & ALLOYS	Ferro-Manganese alloys	Carbon	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
53	CHEMICAL- METALS & ALLOYS	Ferro-Manganese alloys	Manganese	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00

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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
54	CHEMICAL- METALS & ALLOYS	Ferro-Manganese alloys	Phosphorus	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
55	CHEMICAL- METALS & ALLOYS	Ferro-Manganese alloys	Silicon	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
56	CHEMICAL- METALS & ALLOYS	Ferro-Manganese alloys	Sulfur	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
57	CHEMICAL- METALS & ALLOYS	Ferro-Molybdenum Alloys	Carbon	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
58	CHEMICAL- METALS & ALLOYS	Ferro-Molybdenum Alloys	Molybdenum	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
59	CHEMICAL- METALS & ALLOYS	Ferro-Molybdenum Alloys	Sulfur	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
60	CHEMICAL- METALS & ALLOYS	Ferro-Niobium Alloys	Carbon	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
61	CHEMICAL- METALS & ALLOYS	Ferro-Niobium Alloys	Niobium	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
62	CHEMICAL- METALS & ALLOYS	Ferro-Niobium Alloys	Phosphorus	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
63	CHEMICAL- METALS & ALLOYS	Ferro-Niobium Alloys	Sulfur	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
64	CHEMICAL- METALS & ALLOYS	Ferro-Phosphorous Alloys	Carbon	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00

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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
65	CHEMICAL- METALS & ALLOYS	Ferro-Phosphorous Alloys	Sulfur	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
66	CHEMICAL- METALS & ALLOYS	Ferro-Silicon Alloys	Carbon	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
67	CHEMICAL- METALS & ALLOYS	Ferro-Silicon Alloys	Phosphorus	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
68	CHEMICAL- METALS & ALLOYS	Ferro-Silicon Alloys	Silicon	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
69	CHEMICAL- METALS & ALLOYS	Ferro-Silicon Alloys	Sulfur	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
70	CHEMICAL- METALS & ALLOYS	Ferro-Silicon Alloys	Titanium	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
71	CHEMICAL- METALS & ALLOYS	Ferro-Titanium Alloys	Carbon	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
72	CHEMICAL- METALS & ALLOYS	Ferro-Titanium Alloys	Silicon	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
73	CHEMICAL- METALS & ALLOYS	Ferro-Titanium Alloys	Sulfur	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
74	CHEMICAL- METALS & ALLOYS	Ferro-Titanium Alloys	Titanium	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
75	CHEMICAL- METALS & ALLOYS	Ferro-Vanadium Alloys	Carbon	SS/TSK/CHEM/003; Issue/Effective Date-10/06/2021 Issue/Rev No-04.00

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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
76	CHEMICAL- METALS & ALLOYS	Ferro-Vanadium Alloys	Phosphorus	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
77	CHEMICAL- METALS & ALLOYS	Ferro-Vanadium Alloys	Sulfur	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
78	CHEMICAL- METALS & ALLOYS	Ferro-Vanadium Alloys	Vanadium	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
79	CHEMICAL- METALS & ALLOYS	Silico-manganese Alloys	Carbon	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
80	CHEMICAL- METALS & ALLOYS	Silico-manganese Alloys	Manganese	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
81	CHEMICAL- METALS & ALLOYS	Silico-manganese Alloys	Phosphorus	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
82	CHEMICAL- METALS & ALLOYS	Silico-manganese Alloys	Silicon	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
83	CHEMICAL- METALS & ALLOYS	Silico-manganese Alloys	Sulfur	SS/TSK/CHEM/003 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
84	CHEMICAL- METALS & ALLOYS	Silico-manganese Alloys	Titanium	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
85	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Aluminium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
86	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Aluminium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00

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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
87	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Calcium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
88	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Calcium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
89	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Chromium(III) oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
90	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Magnesium oxide	SS/TSK/CHEM/002; Issue/Effective Date-10/06/2021 Issue/Rev No-03.00
91	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Magnesium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
92	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Manganese(II) oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
93	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Manganese(II) oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
94	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Phosphorous Pentaoxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
95	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Potasium oxide	SS/TSK/CHEM/002; Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
96	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Silicon dioxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
97	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Silicon dioxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00

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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	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Sodium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
99	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Sulfur	SS/TSK/CHEM/002; Issue/Effective Date-10/06/2021 Issue/Rev No-03.00
100	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Titanium dioxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
101	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Titanium dioxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
102	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Total Iron	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
103	CHEMICAL- ORES & MINERALS	Iron & Steel Making Slags	Total Iron	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
104	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Manganese(II) oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
105	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Phosphorus	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
106	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Aluminium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
107	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Aluminium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
108	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Calcium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00

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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
109	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Calcium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
110	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Chromium(III) oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
111	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Chromium(III) oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
112	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Iron(II) oxide	SS/TSK/CHEM/010; Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
113	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Magnesium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
114	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Magnesium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
115	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Manganese(II) oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
116	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Phosphorus	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
117	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Potassium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
118	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Reducibility Index (RI)	SS/TSK/CHEM/022; Issue/Effective Date-01/01/2019 Issue/Rev No-01.00
119	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Reduction Degradation Index (RDI)	SS/TSK/CHEM/023; Issue/Effective Date-01/01/2019 Issue/Rev No-01.00

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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
120	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Silicon dioxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
121	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Silicon dioxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
122	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Sodium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
123	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Sulfur	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
124	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Titanium dioxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
125	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Titanium dioxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
126	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Total Iron	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
127	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Total Iron	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
128	CHEMICAL- ORES & MINERALS	Iron Ore, Sinter, Pellet	Total Iron	SS/TSK/CHEM/012; Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
129	CHEMICAL- ORES & MINERALS	Lime Stone & Dolomite	Aluminium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
130	CHEMICAL- ORES & MINERALS	Lime Stone & Dolomite	Iron(III) oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00

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131	CHEMICAL- ORES & MINERALS	Lime Stone & Dolomite	Manganese(II) oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
132	CHEMICAL- ORES & MINERALS	Lime Stone & Dolomite	Potassium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
133	CHEMICAL- ORES & MINERALS	Lime Stone & Dolomite	Silicon dioxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
134	CHEMICAL- ORES & MINERALS	Lime Stone & Dolomite	Sodium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
135	CHEMICAL- ORES & MINERALS	Lime Stone & Dolomite	Titanium dioxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
136	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Aluminium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
137	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Calcium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
138	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Calcium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
139	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Iron(III) oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
140	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Magnesium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
141	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Magnesium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00

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142	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Manganese(II) oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
143	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Potassium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
144	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Silicon dioxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
145	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Sodium oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
146	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Titanium Dioxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
147	CHEMICAL- ORES & MINERALS	Pyroxenite	Aluminium oxide	SS/TSK/CHEM/005 Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
148	CHEMICAL- ORES & MINERALS	Pyroxenite	Aluminum Oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
149	CHEMICAL- ORES & MINERALS	Pyroxenite	Calcium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
150	CHEMICAL- ORES & MINERALS	Pyroxenite	Calcium oxide	SS/TSK/CHEM/005 Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
151	CHEMICAL- ORES & MINERALS	Pyroxenite	chromium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
152	CHEMICAL- ORES & MINERALS	Pyroxenite	Chromium(III) oxide	SS/TSK/CHEM/005 Issue/Effective Date-10/06/2021 Issue/Rev No-05.00

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153	CHEMICAL- ORES & MINERALS	Pyroxenite	Magnesium oxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
154	CHEMICAL- ORES & MINERALS	Pyroxenite	Magnesium oxide	SS/TSK/CHEM/005 Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
155	CHEMICAL- ORES & MINERALS	Pyroxenite	Silicon dioxide	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
156	CHEMICAL- ORES & MINERALS	Pyroxenite	Silicon dioxide	SS/TSK/CHEM/005 Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
157	CHEMICAL- ORES & MINERALS	Pyroxenite	Total Iron	SS/TSK/CHEM/002 Issue/Effective Date-10/06/2021 Issue/Rev No-04.00
158	CHEMICAL- ORES & MINERALS	Pyroxenite	Total Iron	SS/TSK/CHEM/005 Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
159	CHEMICAL- ORES & MINERALS	Quartzite	Aluminum Oxide	SS/TSK/CHEM/005; Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
160	CHEMICAL- ORES & MINERALS	Quartzite	Ferric Oxide	SS/TSK/CHEM/005 Issue/Effective Date-10/06/2021 Issue/Rev No-05.00
161	CHEMICAL- ORES & MINERALS	Quartzite	Silicon dioxide	IS 1917-1
162	CHEMICAL- SOLID FUELS	Coal	Carbon	ASTM D5373
163	CHEMICAL- SOLID FUELS	Coal	Hydrogen	ASTM D5373
164	CHEMICAL- SOLID FUELS	Coal	Moisture	ASTM D7582
165	CHEMICAL- SOLID FUELS	Coal	Nitrogen	ASTM D5373
166	CHEMICAL- SOLID FUELS	Coal	Sulfur(S)	ASTM D4239
167	CHEMICAL- SOLID FUELS	Coal & Coke	Ash	ASTM D7582

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168	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile Matter	ASTM D7582
169	CHEMICAL- SOLID FUELS	Coke	Coke Reactivity Index (CRI)	IS 4023
170	CHEMICAL- SOLID FUELS	Coke	Coke strength after reaction (CSR)	IS 4023
171	CHEMICAL- SOLID FUELS	Coke	Moisture	ASTM D7582
172	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Brinell Hardness	ASTM E10
173	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Brinell Hardness	IS 1500 (Part 1)
174	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Rockwell Hardness (HRBW)	ASTM E18
175	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Rockwell Hardness (HRBW)	IS 1586 (Part 1)
176	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Rockwell Hardness (HRC)	ASTM E18
177	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Rockwell Hardness (HRC)	IS 1586 (Part 1)
178	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Vickers Hardness (HV10)	ASTM E92
179	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Vickers Hardness (HV10)	IS 1501 (Part 1)
180	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Vickers Hardness (HV30)	ASTM E92
181	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Vickers Hardness (HV30)	IS 1501 (Part 1)
182	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Vickers Hardness (HV5)	ASTM E384

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183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Vickers Hardness (HV5)	ASTM E92
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel	Vickers Hardness (HV5)	IS 1501 (Part 1)
185	MECHANICAL-METALLOGRAPHY TEST	Steel	Depth of Decarburization layer measurement by Microscopic Method	ASTM E1077
186	MECHANICAL-METALLOGRAPHY TEST	Steel	Depth of Decarburization layer measurement by Microscopic Method	IS 6396
187	MECHANICAL-METALLOGRAPHY TEST	Steel	Estimation of Apparent grain size by comparison method	ASTM E112
188	MECHANICAL-METALLOGRAPHY TEST	Steel	Estimation of Apparent Grain Size by Planimetric method	ASTM E112
189	MECHANICAL-METALLOGRAPHY TEST	Steel	Estimation of Apparent Grain size measurement by comparison method	IS 4748
190	MECHANICAL-METALLOGRAPHY TEST	Steel	Macro etching test	ASTME381
191	MECHANICAL-METALLOGRAPHY TEST	Steel	Microscopic Examination	ASM Metal Handbook Vol#9
192	MECHANICAL-METALLOGRAPHY TEST	Steel	Non metallic Inclusion Rating	ASTM E45
193	MECHANICAL-METALLOGRAPHY TEST	Steel	Non metallic Inclusion Rating	IS 4163