



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITRA S. K. PRIVATE LIMITED, BHUBANESWAR LBARATORY, PLOT NO 178-A, MANCHESWAR INDUSTRIAL ESTATE, BHUBANESWAR, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5256 Page No. : 1 / 13

Validity 13/12/2018 to 12/12/2020 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Carbon	ASTM E1915: 2013	0.5 % to 10 %
2	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Manganese	IS 1559 : 1961	55 % to 85 %
3	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Manganese	ISO 4159 : 1978	55 % to 85 %
4	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Phosphorus	IS 1559 : 1961	0.05 % to 1.0 %
5	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Silicon	IS 1559 : 1961	0.20 % to 10 %
6	CHEMICAL- METALS & ALLOYS	Ferro Manganese	Sulphur	ASTM E1915: 2013	0.002 % to 0.2 %
7	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Carbon	ASTM E1915: 2013	4 % to 10 %
8	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Chromium	IS 13452 : Part 5 : 2003	45 % to 70 %
9	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Chromium	ISO 4140: 1979	45 % to 70 %
10	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Manganese	IS 1559 : Part 7 : 1982	0.1 % to 0.75 %
11	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Phosphorus	IS 13452 : Part 7 : 2003	0.01 % to 0.06 %
12	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Phosphorus	SOP : TPM/MSK/8/C (Issue No .02 dated 01.04.2015): 2015	0.01 % to 0.06 %
13	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Silicon	IS 13452 : Part 1 : 1992	0.5 % to 6 %



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14	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Sulphur	ASTM E1915: 2013	0.005 % to 0.10 %
15	CHEMICAL- METALS & ALLOYS	Pig Iron/ Cast Iron	Carbon	ISO 15350 : 2000	1.5 % to 4.50 %
16	CHEMICAL- METALS & ALLOYS	Pig Iron/ Cast Iron	Manganese	IS12308 :Part -10 : 1991	0.1 % to 7.0 %
17	CHEMICAL- METALS & ALLOYS	Pig Iron/ Cast Iron	Phosphorus	IS12308 :Part -5: 1991	0.01 % to 0.50 %
18	CHEMICAL- METALS & ALLOYS	Pig Iron/ Cast Iron	Silicon	IS 12308 : Part-6 : 1991	0.1 % to 6.0 %
19	CHEMICAL- METALS & ALLOYS	Pig Iron/ Cast Iron	Sulphur	ISO 15350 : 2000	0.01 % to 0.25 %
20	CHEMICAL- METALS & ALLOYS	Silico Manganese	Carbon	ISO 15350 : 2000	0.1 % to 4.00 %
21	CHEMICAL- METALS & ALLOYS	Silico Manganese	Manganese	IS 1559 : 1961	35 % to 80 %
22	CHEMICAL- METALS & ALLOYS	Silico Manganese	Manganese	ISO 4159 : 1978	55 % to 80 %
23	CHEMICAL- METALS & ALLOYS	Silico Manganese	Phosphorus	IS 1559 : 1961	0.05 % to 3.00 %
24	CHEMICAL- METALS & ALLOYS	Silico Manganese	Silicon	IS 1559: 1961	10 % to 30 %
25	CHEMICAL- METALS & ALLOYS	Silico Manganese	Silicon	ISO 4158: 1978	10 % to 30 %
26	CHEMICAL- METALS & ALLOYS	Silico Manganese	Sulphur	ISO 15350 : 2000	0.01 % to 0.25 %
27	CHEMICAL- ORES & MINERALS	Bauxite / Aluminium Ores	Alumina	IS 2000 : Part-3 : 1985	5 % to 70 %



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28	CHEMICAL- ORES & MINERALS	Bauxite / Aluminium Ores	Ferric Oxide	IS 2000 : Part-4 : 1985	0.5 % to 30 %
29	CHEMICAL- ORES & MINERALS	Bauxite / Aluminium Ores	Loss on ignition	IS 2000 : Part-1 : 1985	1 % to 30 %
30	CHEMICAL- ORES & MINERALS	Bauxite / Aluminium Ores	Silica	IS 2000 : Part-2 : 1985	0.5 % to 10 %
31	CHEMICAL- ORES & MINERALS	Bauxite / Aluminium Ores	Titanium Oxide	IS 2000 : Part-5 : 1985	0.5 % to 10 %
32	CHEMICAL- ORES & MINERALS	Bauxite / Aluminium Ores	Total Moisture	ISO 9033 : 1989	2 % to 20 %
33	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Alumina	IS 4737 : 1982	1 % to 30 %
34	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Alumina	SOP-TPM/MSK/3/D/1 (Issue No 01 , Dated 01.04.2015: 2015	1 % to 30 %
35	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Calcium Oxide	IS 4737: 1982	0.1 % to 5 %
36	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Chromium Oxide	IS 4737 : 1982	10 % to 60 %
37	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Magnesium Oxide	IS 4737 : 1982	5 % to 25 %
38	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Phosphorous	SOP : TPM/MSK/3/G (Issue No 02 dated 01.04.2015): 2015	0.002 % to 0.025 %
39	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Phosphorous	Indian Bureau of Mines: 2004	0.002 % to 0.025 %
40	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Phosphorous	IS 5305 : 1969	0.002 % to 0.025 %



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41	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Silica	IS 4737: 1982	0.5 % to 45 %
42	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Sulphur	SOP No. TPM/MSK/2/J1 (Issue No 02 , Dated 01.04.2015): 2015	0.002 % to 0.025 %
43	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	TML (Transportable Moisture Limit)	IMSBC Code, Appendix 2, (Proctor Fagerberg Method): 2018	4 % to 15 %
44	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	TML (Transportable Moisture Limit)	ISO/TC 102 SC3N1166 / ISO/TC 102 SC3N1184: 2014	4 % to 15 %
45	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Total Iron	IS 4737 : 1982	5 % to 20 %
46	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Total Moisture	IS 8562 :1977 RA 2017& IS 4737: 1982	2 % to 20 %
47	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Transportable Moisture limit & flow Moisture Point	IMSBC Code (Appendix 2) (Flow table method): 2018	4 % to 15 %
48	CHEMICAL- ORES & MINERALS	Chromite Ore/ Chrome Concentrate	Transportable Moisture limit & flow Moisture Point	SOP : TPM/MSK/1/U (Issue No:2 Dated 01.04.2015: 2015	4 % to 15 %
49	CHEMICAL- ORES & MINERALS	Dolomite	Alumina	IS 1760 : Part-3: 1992	0.05 % to 2 %
50	CHEMICAL- ORES & MINERALS	Dolomite	Calcium Oxide	IS 1760 : Part- 3: 1992	20 % to 35 %



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51	CHEMICAL- ORES & MINERALS	Dolomite	Ferric Oxide	SOP : TPM/MSK/5/C3 (Issue No:1 Dated 22.09.2012): 2012	0.05 % to 5 %
52	CHEMICAL- ORES & MINERALS	Dolomite	Loss on ignition	IS 1760 : Part -1: 1991	25 % to 48 %
53	CHEMICAL- ORES & MINERALS	Dolomite	Magnesium Oxide	IS 1760 : Part- 3: 2017	15 % to 30 %
54	CHEMICAL- ORES & MINERALS	Dolomite	Silica	IS 1760 : Part -2: 1991	0.1 % to 10 %
55	CHEMICAL- ORES & MINERALS	Gypsum	Calcium Oxide	ASTM C471M : 2017	25 % to 35 %
56	CHEMICAL- ORES & MINERALS	Gypsum	Calcium Oxide	IS: 1288 (Method 10.1): 1982	25 % to 35 %
57	CHEMICAL- ORES & MINERALS	Gypsum	Calcium Sulfate Dihydrate	ASTM C471M : 2017	48 % to 99 %
58	CHEMICAL- ORES & MINERALS	Gypsum	Calcium Sulfate Dihydrate	IS: 1288: 1982	48 % to 99 %
59	CHEMICAL- ORES & MINERALS	Gypsum	Combined water	ASTM C471M : 2017	5 % to 22 %
60	CHEMICAL- ORES & MINERALS	Gypsum	Combined water	IS: 1288: 1982	5 % to 22 %
61	CHEMICAL- ORES & MINERALS	Gypsum	Free water	ASTM C471M : 2017	0.10 % to 10 %
62	CHEMICAL- ORES & MINERALS	Gypsum	Free water	IS: 1288: 1982	0.10 % to 10 %
63	CHEMICAL- ORES & MINERALS	Gypsum	Magnesium Oxide	ASTM C471M : 2017	0.20 % to 3 %
64	CHEMICAL- ORES & MINERALS	Gypsum	Magnesium Oxide	IS: 1288 (Method 11.1): 1982	0.20 % to 3 %

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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65	CHEMICAL- ORES & MINERALS	Gypsum	Mixed Oxide (Iron Oxide & Aluminium Oxide)	ASTM C471M : 2017	0.05 % to 2 %
66	CHEMICAL- ORES & MINERALS	Gypsum	Mixed Oxide (Iron Oxide & Aluminium Oxide)	IS: 1288: 1982	0.05 % to 2 %
67	CHEMICAL- ORES & MINERALS	Gypsum	Purity	ASTM C471M : 2017	48 % to 99 %
68	CHEMICAL- ORES & MINERALS	Gypsum	Silica (SiO ₂) and Acid Insoluble	ASTM C471M : 2017	0.5 % to 10 %
69	CHEMICAL- ORES & MINERALS	Gypsum	Silica (SiO ₂) and Acid Insoluble	IS: 1288: 1982	0.5 % to 10 %
70	CHEMICAL- ORES & MINERALS	Gypsum	Sulphur Trioxide	ASTM C471M : 2017	25 % to 55 %
71	CHEMICAL- ORES & MINERALS	Gypsum	Sulphur Trioxide	IS: 1288: 1982	25 % to 55 %
72	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Alumina	IS 1493: Part 1: 1981	0.5 % to 10 %
73	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Crushing Strength Testing	ISO 4700 : 2015	1 KN to 8 KN
74	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Crushing Strength Testing	IS 8625: 2014	1 KN to 8 KN
75	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Ferrous Iron	ISO 9035: 1989	0.1 % to 25.0 %
76	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Loss on Ignition	ISO 11536: 2015	0.5 % to 10.0 %
77	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Manganese	IS 1493: 1959	0.1 % to 1 %



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78	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Phosphorus	IS 1493: PART 1: 1981	0.01 % to 0.50 %
79	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Phosphorus	Indian Bureau of Mines. Procedure Manual: 2012	0.01 % to 0.50 %
80	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Silica	IS:1493 Part-1: 1981	0.50 % to 10 %
81	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Silica	ISO 2598-1 : 1992	2 % to 32 %
82	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Sulphur	ISO 4689-3 : 2017	0.002 % to 0.25 %
83	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	TML (Transportable Moisture Limit)	IMSBC Code, Appendix 2, (Modified Proctor Fagerberg Method) : 2018	4 % to 15 %
84	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	TML (Transportable Moisture Limit)	ISO/TC 102 SC3N1166 / ISO/TC 102 SC3N1184: 2014	4 % to 15 %
85	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Total iron	IS 1493 (Part 1): 1981	30 % to 70 %
86	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Total Iron	ISO 2597-1: 2006	30 % to 70 %
87	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Total Moisture	IS 1493: Part 1 : 1981	2 % to 20 %
88	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Total Moisture	IS 11690: 1986	2 % to 20 %
89	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Transportable Moisture limit & flow Moisture Point	IMSBC Code (Appendix 2) (Flow table method): 2018	4 % to 15 %



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90	CHEMICAL- ORES & MINERALS	Iron Ore (Lump/Fines/Pellets)	Transportable Moisture limit & flow Moisture Point	SOP : TPM/MSK/1/U (Issue No:2 Dated 01.04.2015): 2015	4 % to 15 %
91	CHEMICAL- ORES & MINERALS	Iron Ore(Lump/Fines/Pellets)	Angle of repose	IMSBC Code (Appendix 2) : 2018	20 Deg to 50 Deg
92	CHEMICAL- ORES & MINERALS	Limestone	Alumina	IS 1760 : Part-3: 1992	0.05 % to 2 %
93	CHEMICAL- ORES & MINERALS	Limestone	Calcium Oxide	IS 1760 : Part- 3: 1992	35 % to 55.5 %
94	CHEMICAL- ORES & MINERALS	Limestone	Ferric Oxide	SOP : TPM/MSK/5/C3 (Issue No:1 Dated 22.09.2012): 2012	0.05 % to 5 %
95	CHEMICAL- ORES & MINERALS	Limestone	Loss on ignition	IS 1760 : Part -1: 1991	25 % to 48 %
96	CHEMICAL- ORES & MINERALS	Limestone	Magnesium Oxide	IS 1760 : Part- 3: 1992	0.10 % to 5.0 %
97	CHEMICAL- ORES & MINERALS	Limestone	Silica	IS 1760 : Part -2: 1991	0.1 % to 10 %
98	CHEMICAL- ORES & MINERALS	Manganese Ore	Alumina	IS 1473 : 2004	0.5 % to 15 %
99	CHEMICAL- ORES & MINERALS	Manganese Ore	Alumina	SOP-TPM/MSK/2/F1 (Issue No 02 , Dated 01.04.2015) : 2015	0.5 % to 15 %
100	CHEMICAL- ORES & MINERALS	Manganese Ore	Iron	IS 1473 : 2004	1 % to 25 %
101	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese	IS 1473 : 2004	10 % to 60 %



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102	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese	ISO 4298-1984 : 2018	15 % to 60 %
103	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese Dioxide	IS 1473 : 2004	30 % to 90 %
104	CHEMICAL- ORES & MINERALS	Manganese Ore	Phosphorus	IS 1473 : 2004	0.015 % to 0.50 %
105	CHEMICAL- ORES & MINERALS	Manganese Ore	Phosphorus	Indian Bureau of Mines. Procedure Manual: 2012	0.015 % to 0.50 %
106	CHEMICAL- ORES & MINERALS	Manganese Ore	Sulphur	SOP No. TPM/MSK/2/J1 (Issue No 02 , Dated 01.04.2015: 2015	0.01 % to 0.10 %
107	CHEMICAL- ORES & MINERALS	Manganese Ore	Total Moisture	IS 1449 : 2010 & 1473 : 2004	2 % to 20 %
108	CHEMICAL- ORES & MINERALS	Manganese Ore	Transportable Moisture limit & flow Moisture Point	IMSBC Code (Appendix 2) (Flow table method): 2018	4 % to 15 %
109	CHEMICAL- ORES & MINERALS	Manganese Ore	Transportable Moisture limit & flow Moisture Point	SOP : TPM/MSK/1/U (Issue No:2 Dated 01.04.2015: 2015	4 % to 15 %
110	CHEMICAL- ORES & MINERALS	Manganese ores	Silica	IS 1473 : 2004	0.5 % to 15 %
111	CHEMICAL- SOLID FUELS	Coal	Ash	IS 1350 : Part-1: 1984	0.1 % to 60 %
112	CHEMICAL- SOLID FUELS	Coal	Ash	ISO 1171: 2010	0.1 % to 60 %
113	CHEMICAL- SOLID FUELS	Coal	Ash	ASTM D 3174 : 2012	0.1 % to 60 %



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114	CHEMICAL- SOLID FUELS	Coal	Equilibrate Moisture in Coal	IS 1350 : Part-1: 1984	0.5 % to 15 %
115	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon (By Difference)	IS 1350 : Part-1 : 1984	25 % to 98.5 %
116	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon (By Difference)	ISO 17246 : 2010	25 % to 98.5 %
117	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon (By Difference)	ASTM D 3172 : 2013	25 % to 98.5 %
118	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value(different basis)	ASTM D 5865: 2013	2000 Kcal/Kg to 8500 Kcal/Kg
119	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value(different basis)	IS 1350(Part 2): 2017	2000 Kcal/Kg to 8500 Kcal/Kg
120	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value(different basis)	ISO 1928: 2009	2000 Kcal/Kg to 8500 Kcal/Kg
121	CHEMICAL- SOLID FUELS	Coal	Moisture	IS 1350 : Part-1 : 1984	0.1 % to 25 %
122	CHEMICAL- SOLID FUELS	Coal	Moisture	ISO 11722: 2013	0.1 % to 25 %
123	CHEMICAL- SOLID FUELS	Coal	Moisture	ASTM D3173 / D3173M: 2017	0.1 % to 25 %
124	CHEMICAL- SOLID FUELS	Coal	Phosphorus	IS 1350 : Part – 5 : 2017	0.005 % to 1.0 %
125	CHEMICAL- SOLID FUELS	Coal	Sulphur	ISO 334: 2013	0.05 % to 15 %
126	CHEMICAL- SOLID FUELS	Coal	Sulphur	IS 1350 Part – 3 : 1969	0.05 % to 15 %
127	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350 : Part-1: 1984	1.0 % to 50 %



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128	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ISO 589: 2008	1.0 % to 32 %
129	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ASTM D 3302/D 3302M: 2017	1.0 % to 50 %
130	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 : Part-1: 1984	0.5 % to 50 %
131	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ISO 562: 2010	0.5 % to 50 %
132	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ASTM D 3175: 2017	0.5 % to 50 %
133	CHEMICAL- SOLID FUELS	Coke	Ash	IS 1350 : Part-1: 1984	0.3 % to 45 %
134	CHEMICAL- SOLID FUELS	Coke	Ash	ISO 1171: 2010	0.3 % to 45 %
135	CHEMICAL- SOLID FUELS	Coke	Ash	ASTM D 3174: 2012	0.3 % to 45 %
136	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon (By Difference)	IS 1350 : Part-1: 1984	35 % to 98.5 %
137	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon (By Difference)	ISO 17246: 2010	35 % to 98.5 %
138	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon (By Difference)	ASTM D 3172: 2013	35 % to 98.5 %
139	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value(different basis)	ASTM D 5865: 2013	2000 kcals/kg to 8500 kcals/kg
140	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value(different basis)	IS 1350(Part 2): 2017	2000 kcals/kg to 8500 kcals/kg
141	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value(different basis)	ISO 1928: 2009	2000 kcal/kg to 8500 kcals/kg



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITRA S. K. PRIVATE LIMITED, BHUBANESWAR LBARATORY, PLOT NO 178-A, MANCHESWAR INDUSTRIAL ESTATE, BHUBANESWAR, ODISHA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5256 Page No. : 12 / 13

Validity 13/12/2018 to 12/12/2020 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
142	CHEMICAL- SOLID FUELS	Coke	Moisture	IS 1350 : Part-1: 1984	0.1 % to 10 %
143	CHEMICAL- SOLID FUELS	Coke	Moisture	ISO 687: 2010	0.1 % to 10 %
144	CHEMICAL- SOLID FUELS	Coke	Moisture	ASTM D3173 / D3173M: 2017	0.1 % to 10 %
145	CHEMICAL- SOLID FUELS	Coke	Phosphorus	IS 1350 : Part – 5: 2017	0.002 % to 0.2 %
146	CHEMICAL- SOLID FUELS	Coke	Sulphur	IS 1350 Part – 3: 1969	0.05 % to 15 %
147	CHEMICAL- SOLID FUELS	Coke	Sulphur	ISO 334: 2013	0.2 % to 5 %
148	CHEMICAL- SOLID FUELS	Coke	Total Moisture	IS 1350 : Part-1 : 1984	1 % to 32 %
149	CHEMICAL- SOLID FUELS	Coke	Total Moisture	ISO 579 : 2013	1 % to 32 %
150	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	IS 1350 : Part-1: 1984	0.5 % to 15 %
151	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ISO 562: 2010	0.5 % to 15 %
152	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ASTM D 3175: 2017	0.5 % to 15 %



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Site Facility					
1	CHEMICAL- ORES & MINERALS	Chrome Ore	Moisture	IS 8562 : 1977 & IS 4737 : 1982	1.0 % to 20 %
2	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IS 1493: Part 1 : 1981	2.0 % to 20.0 %
3	CHEMICAL- ORES & MINERALS	Iron ore	Moisture	IS 11690: 1986	2.0 % to 20.0 %
4	CHEMICAL- ORES & MINERALS	Iron ore	Moisture	ISO 3087: 2011	2.0 % to 20 %
5	CHEMICAL- ORES & MINERALS	Manganese ore	Moisture	IS 1449 : 2010 & IS 1473: 2004	1.0 % to 20 %
6	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350 : Part-1: 1984	1.0 % to 50 %
7	CHEMICAL- SOLID FUELS	Coke	Total Moisture	IS 1350 : Part-1: 1984	1 % to 32 %