National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MITRA S. K. PRIVATE LIMITED, VISAKHAPATNAM LABORATORY, DOOR NO. 8-45-9/2/1/B,C, VIDYANAGAR COLONY, 4TH LANE, OLD CBI DOWN, VISAKHAPATNAM, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8798 **Page No** 1 of 4

Validity 13/01/2022 to 12/01/2024 **Last Amended on** -

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- ORES & MINERALS	Iron Ore	Alumina	IS:1493(Part-1)-1981 RA
2	CHEMICAL- ORES & MINERALS	Iron Ore	Alumina	ISO 6830:1986 Reconfirmed
3	CHEMICAL- ORES & MINERALS	Iron Ore	Alumina	SOP:TPM/MSK/1/C1 (Dated 01.06.2018)
4	CHEMICAL- ORES & MINERALS	Iron Ore	Flow Moisture Point(FMP)	IMSBC Code, Appendix2(By Flow Table Method)
5	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IS 11690:1986 RA
6	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IS 1493 (Part 1) 1981 RA
7	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorus	Indian Bureau of Mines Procedure Manual
8	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorus	IS 1493-1959 RA
9	CHEMICAL- ORES & MINERALS	Iron Ore	Silica	IS: 1493(Part-1)-1981 RA
10	CHEMICAL- ORES & MINERALS	Iron Ore	Silica	ISO 2598-1
11	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur	ASTM E1915-13
12	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur	ISO 4689-3
13	CHEMICAL- ORES & MINERALS	Iron Ore	Total Iron	IS 1493(Part-1)-1981 RA
14	CHEMICAL- ORES & MINERALS	Iron Ore	Total Iron	ISO 2597-1
15	CHEMICAL- ORES & MINERALS	Iron Ore	Transportable Moisture Limit(TML)	IMSBC Code, Appendix 2(By Flow Table Method)
16	CHEMICAL- ORES & MINERALS	Manganese Ore	Alumina	IS:1473 : 2004 RA
17	CHEMICAL- ORES & MINERALS	Manganese Ore	Alumina	SOP:TPM/MSK/2/D1,(Dated 01.06.2018)
18	CHEMICAL- ORES & MINERALS	Manganese Ore	Iron	IS: 1473:2004 RA

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19	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese	IS: 1473:2004 RA
20	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese	ISO 4298:1984(By Potentiometric Method)
21	CHEMICAL- ORES & MINERALS	Manganese Ore	Moisture	ISO : 4299
22	CHEMICAL- ORES & MINERALS	Manganese Ore	Phosphorus	IS: 1473:2004 RA
23	CHEMICAL- ORES & MINERALS	Manganese Ore	Silica	IS:1473:2004 RA
24	CHEMICAL- ORES & MINERALS	Manganese Ore	Silica	ISO 5890
25	CHEMICAL- ORES & MINERALS	Manganese Ore	Sulphur	ASTM E1915-13
26	CHEMICAL- ORES & MINERALS	Rock Phosphate	Calcium Oxide	IS:9386:1979 RA
27	CHEMICAL- ORES & MINERALS	Rock Phosphate	Carbon Dioxide	SOP:TPM/MSK/26/H(Issue No.01 Dated 01.06.2018)
28	CHEMICAL- ORES & MINERALS	Rock Phosphate	Chloride	IS:11224:1985 (A-10) RA
29	CHEMICAL- ORES & MINERALS	Rock Phosphate	Loss on Ignition (LOI)	IS:11224:1985 (A-11.1) RA
30	CHEMICAL- ORES & MINERALS	Rock Phosphate	Magnesium Oxide	IS: 11224:1985 RA
31	CHEMICAL- ORES & MINERALS	Rock Phosphate	Organic Matter	IS:11224:1985 (A-11.0) RA
32	CHEMICAL- ORES & MINERALS	Rock Phosphate	Silica	IS:11224:1985 (A-4) RA
33	CHEMICAL- ORES & MINERALS	Rock Phosphate	Total Moisture	IS:11224 (A-8) RA
34	CHEMICAL- ORES & MINERALS	Rock Phosphate	Total P2O5	IS: 11224:1985 RA
35	CHEMICAL- SOLID FUELS	Coal	Ash	IS: 1350(Part-1):1984 RA
36	CHEMICAL- SOLID FUELS	Coal	Ash	ISO :1171
37	CHEMICAL- SOLID FUELS	Coal	Ash in Coal	ASTM D3174-12
38	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number (CSN)	ASTM D6349-13

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39	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number (CSN)	IS:1353 (Part-1) RA
40	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number(CSN)	ASTM D720/D720M-15e1
41	CHEMICAL- SOLID FUELS	Coal	Equilibrated Moisture(at 40C and 60% Relative Humidity) in coal	IS 1350(Part-1)1984 RA
42	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	ASTM D3172-13
43	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS: 1350 (Part-1): 1984 RA
44	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS:1350 (Part-2)
45	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value in Coal	ASTM D5865-13
46	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value in Coal	ISO 1928
47	CHEMICAL- SOLID FUELS	Coal	Moisture	IS: 1350(Part 1):1984 RA
48	CHEMICAL- SOLID FUELS	Coal	Moisture	ISO 11722
49	CHEMICAL- SOLID FUELS	Coal	Moisture in Coal	ASTM D3173/D3173M-17a
50	CHEMICAL- SOLID FUELS	Coal	Phosphorus in Coal	IS:1350 (Part-5)
51	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ASTM D3302/ D3302M-17
52	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS :1350 (Part 1) :1984 RA
53	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ISO 589
54	CHEMICAL- SOLID FUELS	Coal	Total Sulphur	ISO 334
55	CHEMICAL- SOLID FUELS	Coal	Total Sulphur in Coal	IS :1350 (Part-3): 1969 RA
56	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS:1350 (Part-1) :1984 RA
57	CHEMICAL- SOLID FUELS	Coal	Volatile Matter in Coal	ASTM D3175-18
58	CHEMICAL- SOLID FUELS	Coal	Volatile Matter in Coal	ISO 562
59	CHEMICAL- SOLID FUELS	Coke	Ash	ASTM D3174-12
60	CHEMICAL- SOLID FUELS	Coke	Ash	ISO 1171
61	CHEMICAL- SOLID FUELS	Coke	Ash in Coke	IS: 1350(Part-1):1984 RA
62	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	ASTM D3172-13
63	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	IS:1350(Part-1):1984 RA
64	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value	ISO 1928
65	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value in Coke	ASTM D5865-19
66	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value in Coke	IS:1350 (Part-2)
67	CHEMICAL- SOLID FUELS	Coke	Moisture	IS:1350(Part-1):1984 RA

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68	CHEMICAL- SOLID FUELS	Coke	Moisture	ISO:687
69	CHEMICAL- SOLID FUELS	Coke	Moisture in Coke	ASTM D3173/ D3173M-17a
70	CHEMICAL- SOLID FUELS	Coke	Phosphorus in Coke	IS:1350 (Part-5)
71	CHEMICAL- SOLID FUELS	Coke	Total Moisture	IS:1350(Part-1):1984 RA
72	CHEMICAL- SOLID FUELS	Coke	Total Moisture	ISO:579
73	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	IS:1350(Part-3):1969 RA
74	CHEMICAL- SOLID FUELS	Coke	Total Sulphur in Coke	ISO:334
75	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ASTM D3175-18
76	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	IS:1350(Part-1):1984 RA
77	CHEMICAL- SOLID FUELS	Coke	Volatile Matter	ISO 562