National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MITRA S. K. PRIVATE LIMITED, PLOT NO-97, SECTOR 1/A, KUTCH, GANDHIDHAM, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 14/10/2022 to 13/10/2024 **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- ATMOSPHERIC POLLUTION	Ambient air	Nitrogen Dioxide	IS 5182 (Part 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide	IS 5182 (Part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 10 particulate Matter	IS 5182 (Part 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM10 (particulate Matter	IS 5182 (Part 23)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM2.5 (Particulate matter	IS 5182 : Part 24
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	sulphur dioxide	IS 5182 (Part 2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (Part 2)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide	IS 13270
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide	IS 13270
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Flow rate of Flue Gas	IS 11255 (Part 3)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Moisture Content	IS 11255 (Part 3)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Nitrogen Oxides	IS 11255 (Part 7):
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen	IS 13270:1992
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 (Part 1)
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide	IS 11255 (Part 2)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Temparature	IS 11255 (Part 3)
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Velocity	IS 11255 (Part 3)
18	CHEMICAL- ORES & MINERALS	Bauxite	Alumina	IS 2000 Part 3

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19	CHEMICAL- ORES & MINERALS	Bauxite	Ferric Oxide	IS 2000 Part 4
20	CHEMICAL- ORES & MINERALS	Bauxite	LOI	IS 2000 Part 1
21	CHEMICAL- ORES & MINERALS	Bauxite	Moisture	TPM/MSK/GDM/5/A Dated 21.08.2015
22	CHEMICAL- ORES & MINERALS	Bauxite	Silica	IS 2000 Part 2
23	CHEMICAL- ORES & MINERALS	Bauxite	Titania	IS 2000 Part 5
24	CHEMICAL- ORES & MINERALS	Iron Ore	Alumina	IS 1493 Part-1
25	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IS 11690
26	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IS 1493
27	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorus	IS 1493 Part-1
28	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorus	TPM/MSK/GDM/2/D dated 01.03.2012, Rev-01
29	CHEMICAL- ORES & MINERALS	Iron Ore	SIlica	IS 1493 Part-1
30	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur	IS 1493 Part-1
31	CHEMICAL- ORES & MINERALS	Iron Ore	Total Iron (Fe)	IS 1493 Part-1
32	CHEMICAL- ORES & MINERALS	Limestone	Calcium Oxide as CaO	IS 1760 (Part 3)
33	CHEMICAL- ORES & MINERALS	Limestone	Ferric Oxide (Fe2O3)	TPM/MSK/GDM/27/00 Issue dated 10.12.2018
34	CHEMICAL- ORES & MINERALS	Limestone	Ferric Oxide as Fe2O3	IS 1760 (Part 3)
35	CHEMICAL- ORES & MINERALS	Limestone	Loss on ignition	IS 1760 (Part 1)
36	CHEMICAL- ORES & MINERALS	Limestone	Magnesium Oxide as MgO	IS 1760 (Part 3)
37	CHEMICAL- ORES & MINERALS	Limestone	Silica as SiO2	IS 1760 (Part 2)

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38	CHEMICAL- ORES & MINERALS	Mill Scale	Alumina	TPM/MSK/GDM/2/C, Issue Dated 01.03.2012 Rev-01
39	CHEMICAL- ORES & MINERALS	Mill Scale	Moisture	TPM/MSK/GDM/2/E, Issue Dated 01.03.2012, Rev-01
40	CHEMICAL- ORES & MINERALS	Mill Scale	Phosphorus	TPM/MSK/GDM/2/D Issue Dated 01.03.2012 Rev-01
41	CHEMICAL- ORES & MINERALS	Mill Scale	silica	TPM/MSK/GDM/2/A Issue Dated 01.03.2012, Rev-01
42	CHEMICAL- ORES & MINERALS	Mill Scale	Total Iron	TPM/MSK/GDM/2/B Issue Dated 01.03.2012, Rev-01
43	CHEMICAL- ORES & MINERALS	Rock phosphate	LOI	IS 11224
44	CHEMICAL- ORES & MINERALS	Rock Phosphate	Moisture	IS 11224
45	CHEMICAL- ORES & MINERALS	Rock Phosphate	Silica	IS 11224
46	CHEMICAL- ORES & MINERALS	Rock Phosphate	Total P2O5	IS 11224
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen Demand (BOD)	APHA 23rd Edition 5210B
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen Demand (BOD)	IS 3025 (Part 44)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen Demand (BOD)	IS 3025 (Part 44)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Boichemical Oxygen Demand (BOD)	APHA 23rd Edition 5210 B
51	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Chemical Oxygen Demand (COD)	APHA 23rd Edition 5220 B
52	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Chemical Oxygen Demand (COD)	APHA 23rd Edition 5220 B
53	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Chemical Oxygen Demand (COD)	APHA 23rd Edition 5220 B
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)

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57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	APHA 23rd Edition 2510 B
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	APHA 23rd Edition 2510B
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	IS 3025 (Part 14)
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	IS 3025 (Part 14)
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA 23rd Edition 5520B
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 (Part 39)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA 23rd Edition 4500 H-B
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025(Part 11)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolve Solid (TDS)	APHA 23rd Edition 2540C
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolve Solid (TDS)	APHA 23rd Edition 2540C
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolve Solid (TDS)	IS 3025 (Part 16)
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolve Solid (TDS)	IS 3025 (Part 16)
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolve Solids (TDS)	IS 3025 (Part 16)
70	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total Dissolved Solids (TDS)	APHA 23rd Edition 2540C
71	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total Suspended Solids (TSS)	APHA 23rd Edition 2540D:
72	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total Suspended Solids (TSS)	APHA 23rd Edition 2540D
73	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Total Suspended Solids (TSS)	IS 3025(Part 17)
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Total Suspended Solids (TSS)	IS 3025(Part 17)
75	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Turbidity	APHA 23rd Edition 2130B

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76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Turbidity	APHA 23rd Edition 2130B
77	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Turbidity	IS 3025(Part 10)
78	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Turbidity	IS 3025(Part 10)
79	CHEMICAL- SOLID FUELS	Coal	Equilibrated Moisture	IS 1350 Part-1
80	CHEMICAL- SOLID FUELS	Coal	Moisture	ASTM D3173 / D3173 M-17
81	CHEMICAL- SOLID FUELS	Coal	Moisture	IS 1350 Part 1
82	CHEMICAL- SOLID FUELS	Coal	Moisture	ISO 11722
83	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ASTM D3302/D3302M-19
84	CHEMICAL- SOLID FUELS	Coal	Total Moisture	IS 1350 Part-1
85	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ISO 589
86	CHEMICAL- SOLID FUELS	Coal & Coke	Ash	ASTM D 3174-12
87	CHEMICAL- SOLID FUELS	Coal & Coke	Ash	IS 1350 Part 1
88	CHEMICAL- SOLID FUELS	Coal & Coke	Ash	ISO 1171
89	CHEMICAL- SOLID FUELS	Coal & Coke	Fixed Carbon	ASTM D3172-13
90	CHEMICAL- SOLID FUELS	Coal & Coke	Fixed Carbon	IS 1350 Part 1
91	CHEMICAL- SOLID FUELS	Coal & Coke	Fixed Carbon	ISO 17246
92	CHEMICAL- SOLID FUELS	Coal & Coke	Gross Calorific Value	ASTM D5865-19
93	CHEMICAL- SOLID FUELS	Coal & Coke	Gross Calorific Value	ASTM-D5865-19
94	CHEMICAL- SOLID FUELS	Coal & Coke	Gross Calorific Value	ISO 1928
95	CHEMICAL- SOLID FUELS	Coal & Coke	Gross Calorific Value	ISO 1928
96	CHEMICAL- SOLID FUELS	Coal & Coke	Phosphorus	IS 1350 Part-5
97	CHEMICAL- SOLID FUELS	Coal & Coke	Phosphorus	TPM/MSK/GDM/3/I Issue Dated 02.02.2017, Based on IS 5305: 1969
98	CHEMICAL- SOLID FUELS	Coal & Coke	Total Sulphur	ASTM D 4239-18e1
99	CHEMICAL- SOLID FUELS	Coal & Coke	Total Sulphur	IS 1350 Part-3
100	CHEMICAL- SOLID FUELS	Coal & Coke	Total Sulphur	ISO 334
101	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile Matter	ASTM D 3175-20
102	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile Matter	IS 1350 Part 1

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103	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile Matter	ISO 562
104	CHEMICAL- SOLID FUELS	Coke	Moisture	ASTM D 3173 / D3173 M-17a
105	CHEMICAL- SOLID FUELS	Coke	Moisture	IS 1350 Part 1
106	CHEMICAL- SOLID FUELS	Coke	Moisture	ISO 687
107	CHEMICAL- SOLID FUELS	Coke	Total Moisture	ASTM D 3302 / D3302 M-19
108	CHEMICAL- SOLID FUELS	Coke	Total Moisture	IS 1350 Part 1
109	CHEMICAL- SOLID FUELS	Coke	Total Moisture	ISO 579

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Site Facility				
1	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	pH	APHA 23 rd edition 4500HB
2	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	pH	IS 3025 (Part 11)