National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : JSW - STEEL LIMITED - ENVIRONMENT LABORATORY, VIDYANAGAR PO, BELLARY, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nitrogen Dioxide	IS 5182(PART-6):2006(RA 2017)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate matter (Size less than 10 µm) or PM10	IS 5182 (Part 23):2006 (RA 2017)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter(Size less then 2.5 µm) or PM 2.5	IS5182 part24:2019
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (Part 2) : 2001 (RA 2017)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen	IS :11255(Part7):2005(RA 2017)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Sulphur	IS:11255(Part 2):1985(RA 2014)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255(Part 1):1985(RA 2014)
8	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage water	Calcium as Ca	APHA 23rd Edition, 3500 Ca, B
9	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent / Sewage Water	Free Cyanide	DIN 38405 part 13
10	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Chlorine (Residual)	APHA 23rd Edition, 4500-(Cl-)B
11	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Oxygen (Dissolved)	APHA 23rd Edition, 4500(O)B & G
12	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Total Hardness as CaCO3	APHA 23rd Edition, 2340 C
13	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Acidity as CaCO3	APHA 23rd Edition, 2310 B
14	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Ammonical Nitrogen as NH3.	APHA 23rd Edition, 4500-(NH3)C
15	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Biochemical Oxygen Demand (3 days)	IS:3025(part 44) 1993 Reaffirmed -2014
16	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Chemical Oxygen Demand	APHA 23rd Edition, 5220 D
17	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Chloride as Cl	APHA 23rd Edition, 4500- (Cl-) B
18	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Conductivity at 25°C	APHA 23rd Edition, 2510 B

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Copper as Cu	APHA 23rd Edition 3111 B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Magnesium as Mg	APHA 23rd Edition, 3500 Mg, B
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Nitrite Nitrogen as NO2.	APHA 23rd Edition, 4500(NO2-) B .
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Oil and Grease	IS:3025(part 44) 1993 Reaffirmed -2014, Partition gravimetric method
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	pH value at 25°C	APHA 23rd Edition, 4500-(H+)B
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Phenols	APHA 23rd Edition, 5530B, D
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Sulfate as (SO4)	APHA 23rd Edition, 4500(SO4 2-) E
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Sulfide as S2.	APHA 23rd Edition, 4500(S2)F
27	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Temperature	APHA 23rd Edition, 2550 B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Total Alkalinity as CaCO3.	APHA 23rd Edition, 2320 B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Total Cyanide	APHA 23rd Edition, 4500-CN- C & E
30	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Total Dissolved Solids Dried at 180°C	APHA 23rd Edition, 2540 C
31	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Total Solids Dried at 103-105°C.	APHA 23rd Edition, 2540 B
32	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Total Suspended Solids Dried at 103-105°C	APHA 23rd Edition, 2540 D
33	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Turbidity	APHA 23rd Edition, 2130 B
34	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Zinc as Zn	APHA 23rd Edition, 3111 B
35	CHEMICAL- WATER	Portable Water	Free Cyanide	DIN 38405 part 13: 2011
36	CHEMICAL- WATER	Borewell water	Acidity as CaCO3	APHA 23rd Edition, 2310 B
37	CHEMICAL- WATER	Borewell water	Alkalinity as CaCO3	APHA 23rd Edition, 2320 B
38	CHEMICAL- WATER	Borewell Water	Calcium as Ca	APHA 23rd Edition, 3500 ca, B

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39	CHEMICAL- WATER	Borewell water	Chloride as Cl	APHA 23rd Edition, 4500-(Cl-)B
40	CHEMICAL- WATER	Borewell water	Conductivity at 25 degree C	APHA 23rd Edition, 2510 B
41	CHEMICAL- WATER	Borewell Water	Copper as Cu	APHA 23rd Edition 4500 Cu
42	CHEMICAL- WATER	Borewell water	Dissolved Oxygen	APHA 23rd Edition, 4500(O)B & G
43	CHEMICAL- WATER	Borewell Water	Free Cyanide	DIN 38405 part 13: 2011
44	CHEMICAL- WATER	Borewell Water	Hardness as CaCO3	APHA 23rd Edition, 2340 C
45	CHEMICAL- WATER	Borewell Water	Magnesium as Mg	APHA 23rd Edition, 3500 Mg, B
46	CHEMICAL- WATER	Borewell Water	Nitrite Nitrogen as NO2	APHA 23rd Edition,4500(NO2)B
47	CHEMICAL- WATER	Borewell Water	pH value at 25 Degree C	APHA 23rd Edition, 4500-(H+)B
48	CHEMICAL- WATER	Borewell Water	Phenolic Compounds	APHA 23rd Edition, 5530B, D
49	CHEMICAL- WATER	Borewell Water	Residual Chlorine	APHA 23rd Edition, 4500-(Cl)B
50	CHEMICAL- WATER	Borewell Water	Sulfate as SO4	APHA 23rd Edition, 4500(SO4) E
51	CHEMICAL- WATER	Borewell Water	Temperature	APHA 23rd Edition, 2550 B
52	CHEMICAL- WATER	Borewell Water	Total Cyanide	APHA 23rd Edition, 4500-CN- C and E
53	CHEMICAL- WATER	Borewell Water	Total Dissolved Solids	APHA 23rd Edition, 2540 C
54	CHEMICAL- WATER	Borewell Water	Total Solids	APHA 23rd Edition, 2540 B
55	CHEMICAL- WATER	Borewell water	Total Suspended Solids	APHA 23rd Edition, 2540 D
56	CHEMICAL- WATER	Borewell water	Turbidity	APHA 23rd Edition, 2130 B
57	CHEMICAL- WATER	Borewell Water	Zinc as Zn	APHA 23rd Edition, 4500 Zn
58	CHEMICAL- WATER	Ground Water	Acidity as CaCO3	APHA 23rd Edition, 2310 B
59	CHEMICAL- WATER	Ground Water	Alkalinity as CaCO3	APHA 23rd Edition, 2320 B
60	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA 23rd Edition, 3500 ca, B
61	CHEMICAL- WATER	Ground Water	Chloride as Cl	APHA 23rd Edition, 4500-(Cl-)B
62	CHEMICAL- WATER	Ground Water	Conductivity at 25 Degree C	APHA 23rd Edition, 2510 B
63	CHEMICAL- WATER	Ground Water	Copper as Cu	APHA 23rd Edition 4500 Cu
64	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	APHA 23rd Edition, 4500(O)B & G
65	CHEMICAL- WATER	Ground Water	Free Cyanide	DIN 38405 part 13: 2011
66	CHEMICAL- WATER	Ground Water	Hardness as CaCO3	APHA 23rd Edition, 2340 C

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67	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA 23rd Edition, 3500 Mg, B
68	CHEMICAL- WATER	Ground water	Nitrite Nitrogen as NO2	APHA 23rd Edition,4500(NO2)B
69	CHEMICAL- WATER	Ground Water	pH value at 25 degree C	APHA 23rd Edition, 4500-(H+)B
70	CHEMICAL- WATER	Ground Water	Phenolic Compounds	APHA 23rd Edition, 5530B, D
71	CHEMICAL- WATER	Ground Water	Residual Chlorine	APHA 23rd Edition, 4500-(Cl)B
72	CHEMICAL- WATER	Ground water	Sulfate as SO4	APHA 23rd Edition, 4500(SO4) E
73	CHEMICAL- WATER	Ground Water	Temperature	APHA 23rd Edition, 2550 B
74	CHEMICAL- WATER	Ground Water	Total Cyanide	APHA 23rd Edition, 4500-CN- C and E
75	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA 23rd Edition, 2540 C
76	CHEMICAL- WATER	Ground Water	Total Solids	APHA 23rd Edition, 2540 B
77	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA 23rd Edition, 2540 D
78	CHEMICAL- WATER	Ground Water	Turbidity	APHA 23rd Edition, 2130 B
79	CHEMICAL- WATER	Ground Water	Zinc as Zn	APHA 23rd Edition, 4500 Zn
80	CHEMICAL- WATER	Potable Water	Acidity as CaCO3	APHA 23rd Edition, 2310 B
81	CHEMICAL- WATER	Potable water	Alkalinity as CaCO3	APHA 23rd Edition, 2320 B
82	CHEMICAL- WATER	Potable Water	Calcium as Ca	APHA 23rd Edition, 3500 ca, B
83	CHEMICAL- WATER	Potable Water	Chloride as Cl	APHA 23rd Edition, 4500-(Cl-)B
84	CHEMICAL- WATER	Potable water	Conductivity at 25 Degree C	APHA 23rd Edition, 2510 B
85	CHEMICAL- WATER	Potable Water	Copper as Cu	APHA 23rd Edition 4500 Cu
86	CHEMICAL- WATER	Potable Water	Dissolved Oxygen	APHA 23rd Edition, 4500(O)B & G
87	CHEMICAL- WATER	Potable water	Hardness as CaCO3	APHA 23rd Edition, 2340 C
88	CHEMICAL- WATER	Potable Water	Magnesium as Mg	APHA 23rd Edition, 3500 Mg, B
89	CHEMICAL- WATER	Potable Water	Nitrite Nitrogen as NO2	APHA 23rd Edition,4500(NO2)B
90	CHEMICAL- WATER	Potable Water	pH value at 25°C	APHA 23rd Edition, 4500-(H+)B
91	CHEMICAL- WATER	Potable Water	Phenolic Compounds	APHA 23rd Edition, 5530B, D
92	CHEMICAL- WATER	Potable Water	Residual Chlorine Residual Chlorine	APHA 23rd Edition, 4500-(Cl)B
93	CHEMICAL- WATER	Potable Water	Sulfate as SO4	APHA 23rd Edition, 4500(SO4) E

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94	CHEMICAL- WATER	Potable Water	Temperature	APHA 23rd Edition, 2550 B
95	CHEMICAL- WATER	Potable Water	Total Cyanide	APHA 23rd Edition, 4500-CN- C and E
96	CHEMICAL- WATER	Potable Water	Total Dissolved Solids	APHA 23rd Edition, 2540 C
97	CHEMICAL- WATER	Potable Water	Total Solids	APHA 23rd Edition, 2540 B
98	CHEMICAL- WATER	Potable water	Total Suspended Solids	APHA 23rd Edition, 2540 D
99	CHEMICAL- WATER	Potable Water	Turbidity	APHA 23rd Edition, 2130 B
100	CHEMICAL- WATER	Potable Water	Zinc as Zn	APHA 23rd Edition, 4500 Zn
101	CHEMICAL- WATER	Surface Water	Acidity as CaCO3	APHA 23rd Edition, 2310 B
102	CHEMICAL- WATER	Surface Water	Alkalinity as CaCO3	APHA 23rd Edition, 2320 B
103	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA 23rd Edition, 3500 ca, B
104	CHEMICAL- WATER	Surface Water	Chloride as Cl	APHA 23rd Edition, 4500-(Cl-)B
105	CHEMICAL- WATER	Surface water	Conductivity at 25 degree C	APHA 23rd Edition, 2510 B
106	CHEMICAL- WATER	Surface Water	Copper as Cu	APHA 23rd Edition 4500 Cu
107	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 23rd Edition, 4500(O)B & G
108	CHEMICAL- WATER	Surface Water	Free Cyanide	DIN 38405 part 13: 2011
109	CHEMICAL- WATER	Surface Water	Hardness as CaCO3	APHA 23rd Edition, 2340 C
110	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA 23rd Edition, 3500 Mg, B
111	CHEMICAL- WATER	Surface Water	Nitrite Nitrogen as NO2	APHA 23rd Edition,4500(NO2)B
112	CHEMICAL- WATER	Surface Water	pH value at 25 degree C	APHA 23rd Edition, 4500-(H+)B
113	CHEMICAL- WATER	Surface Water	Phenolic Compounds	APHA 23rd Edition, 5530B, D
114	CHEMICAL- WATER	Surface Water	Residual Chlorine	APHA 23rd Edition, 4500-(Cl)B
115	CHEMICAL- WATER	Surface Water	Sulfate as SO4	APHA 23rd Edition, 4500(SO4) E
116	CHEMICAL- WATER	Surface Water	Temperature	APHA 23rd Edition, 2550 B
117	CHEMICAL- WATER	Surface Water	Total Cyanide	APHA 23rd Edition, 4500-CN- C and E
118	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	APHA 23rd Edition, 2540 C
119	CHEMICAL- WATER	Surface Water	Total Solids	APHA 23rd Edition, 2540 B
120	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA 23rd Edition, 2540 D
121	CHEMICAL- WATER	Surface water	Turbidity	APHA 23rd Edition, 2130 B

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122	CHEMICAL- WATER	Surface Water	Zinc as Zn	APHA 23rd Edition, 4500 Zn