National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWA ENVIRONMENTAL CONSULTANTS & ENGINEERS, SURVEY 645 KAMOD CIRCLE-DHOLKA ROAD, AHMEDABAD, GUJARAT, 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	Benzene	SWA/LAB/SOP/AQ/Benzene
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Hydrogen Sulphide	IS 5182 (PART- 7)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	IS 5182 (PART-25)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Fine Particulate Matter (PM 2.5)	IS 5182 (PART 24)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Humidity	SWA/LAB/SOP/AQ/AWS
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS 5182 (PART-6)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Rainfall	SWA/LAB/SOP/AQ/AWS
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Respirable Suspended Particulate Matter (PM 10)	IS 5182 (PART 23)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Solar radiation	SWA/LAB/SOP/AQ/AWS
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (PART-2)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Toluene	SWA/LAB/SOP/AQ/Toluene
12	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Total Aromatic Compounds	SWA/LAB/SOP/AQ/TAC
13	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Total Volatile Organic Compounds (TVOC)	SWA/LAB/SOP/AQ/TVOC
14	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Wind Direction	SWA/LAB/SOP/AQ/AWS
15	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Wind Speed	SWA/LAB/SOP/AQ/AWS
16	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Xylene	SWA/LAB/SOP/AQ/Xylene
17	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Ammonia	IS 11255 (Part 6)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Carbon Dioxide	SWA/LAB/SOP/AQ/CO/CO2/O2

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19	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Carbon Disulphide	IS 11255 (Part 04)
20	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Carbon Monoxide	SWA/LAB/SOP/AQ/CO/CO2/O2
21	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Hydrogen Sulphide	IS 11255 (Part 04)
22	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Oxides of Nitrogen	IS 11255 (Part-07)
23	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Oxygen	SWA/LAB/SOP/AQ/CO/CO2/O2
24	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Particulate Matter	IS 11255 (Part-01)
25	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Sulphur Dioxides	IS 11255(Part-2)
26	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Total Fluoride	EPA Method 13 A
27	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Ammonia	IS 11255 (Part 6)
28	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide	SWA/LAB/SOP/AQ/CO/CO2/O2
29	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Disulphide	IS 11255 (Part 04)
30	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide	SWA/LAB/SOP/AQ/CO/CO2/O2
31	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Flow Rate	IS 11255 (PART-3)
32	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Hydrogen Sulphide	IS 11255 (Part 04)
33	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxide of Nitrogen	IS 11255 (Part-07)
34	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen	SWA/LAB/SOP/AQ/CO/CO2/O2
35	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (Part-01)
36	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur Dioxide	IS 11255 (Part-02)
37	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Total Fluoride	EPA Method 13 A

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/ Sewage	Alkalinity	APHA 2320 B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/ Sewage	Boron	APHA 4500- Boron B
40	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/ Sewage	Total Hardness	APHA 2340-C
41	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Acidity	APHA 2510 B
42	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Ammonical Nitrogen	APHA 4500 NH3 C
43	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Biological Oxygen Demand	IS 3025 Part-44
44	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Calcium	APHA 3500-Ca B
45	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Chemical Oxygen Demand	IS 3025: (Part 58)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Chloride	APHA 4500 Chloride B
47	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Color	APHA 2120 C
48	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Dissolved Oxygen	APHA 4500-O C
49	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Electrical Conductivity	APHA 2510 B
50	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Iron	APHA 3500-Fe - B
51	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Magnesium	APHA 3500 Mg B
52	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Nitrate	APHA 4500-NO2- B
53	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Nitrite	APHA 4500 NO2 B
54	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Oil & Grease	APHA 5520 B
55	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Orthophosphates	APHA 4500-P A, B & D
56	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	pH	APHA 4500 H+ B

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57	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Phenols	APHA 5530 D
58	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Potassium	APHA 3500 K B
59	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Residual Chlorine	APHA 4500-Chlorine B
60	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sodium	APHA 3500 Na B
61	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sodium Absorption Ratio	SWAL/WQ/SAR
62	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sulfide	APHA (4500 -S) F
63	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sulphate	APHA 4500-SO4(2-) E
64	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Temperature	APHA 2550-B
65	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Dissolved Solids	APHA 2540 C
66	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Kjehldhal Nitrogen	APHA 4500-ORG-N B
67	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Nitrogen	APHA-N A
68	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Phosphorous	APHA 4500-P A,B,D
69	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Solids	APHA 2540 B
70	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Suspended Solids	APHA 2540D
71	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Turbidity	APHA 2130 B
72	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Volatile Suspended Solids	APHA 2540 E
73	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Arsenic	APHA 3114 - B
74	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Barium	APHA 3111 - D
75	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Cadmium	APHA 3111 - B

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76	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Copper	APHA (3500-Cu-B)
77	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Copper	APHA 3111 - B
78	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Fluoride	APHA (4500-F) D
79	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Free Carbon Dioxide	APHA (4500-CO2) C
80	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Hexavalent Chromium	APHA (3500 -Cr) B
81	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Iron	APHA 3111 - B
82	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Lead	APHA 3111 - B
83	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Lithium	APHA 3111 - B
84	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Manganese	APHA 3111 - B
85	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Mercury	APHA 3112 - B
86	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Nickel	APHA 3111 - B
87	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Selenium	APHA 3114 - B
88	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Settleable Solids	APHA 2540 F
89	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Silica	APHA 23rd Edition 4500 SIO2 C
90	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Sludge Volume Index (SVI)	APHA 2710 D
91	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Total Chromium	APHA 3111 - B
92	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Vanadium	APHA 3111 - D
93	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Zinc	APHA 3111 - B
94	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Potassium	SWA/LAB/SOP/SQ/Potassium

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95	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Ammonical Nitrogen	IS 14684
96	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Arsenic	EPA 3050 B /APHA, 3114-B
97	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Barium	EPA 3050 B /APHA, 3111-D
98	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Boron	SWA/LAB/SOP/SQ/Boron
99	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cadmium	EPA 3050 B /APHA, 3111-B
100	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium	SWA/LAB/SOP/SQ/Calcium
101	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium Carbonate	IS 2720 (Part 23)
102	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cation Exchange Capacity (CEC)	SWA/LAB/SOP/SQ/CEC
103	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Chloride	SWA/LAB/SOP/SQ/Chloride
104	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Copper	EPA 3050 B /APHA, 3114-B
105	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Electrical Conductivity	IS 14767
106	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Iron	EPA 3050 B /APHA, 3111-B
107	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Lead	EPA 3050 B /APHA, 3111-B
108	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Lithium	EPA 3050 B /APHA, 3111-B
109	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Magnesium	SWA/LAB/SOP/SQ/Magnesium
110	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Manganese	EPA 3050 B /APHA, 3111-B
111	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Mercury	EPA 3050 B /APHA, 3112-B
112	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Nickel	EPA 3050 B /APHA, 3111-B
113	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Nitrate	IS 14684

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114	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Nitrite	IS 14684
115	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter/Organic Carbon	IS 2720
116	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS 2720 (Part 26)
117	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Phosphorus - Available	SWA/LAB/SOP/SQ/PHOSPHORUS - AVAILABLE
118	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Selenium	EPA 3050 B /APHA, 3114-B
119	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sodium	SWA/LAB/SOP/SQ/Sodium
120	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sodium Adsorption ratio in Soil Extract	SWA/LAB/SOP/SQ/SAR
121	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sulphate	SWA/LAB/SOP/SQ/Sulphate
122	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Chromium	EPA 3050 B /APHA, 3111-B
123	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Kjeldahl Nitrogen (TKN)	IS 14684
124	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Nitrogen - in Ammonical Form	IS 14684
125	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Phosphorus	SWA/LAB/SOP/SQ/TOTAL PHOSPHORUS
126	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Solids	IS 2720 (Part 21)
127	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Vanadium	EPA 3050 B /APHA, 3111-D
128	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Content (Moisture)	IS 2720 (Part 02)
129	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Zinc	EPA 3050 B /APHA, 3111-B
130	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Barium	EPA 3050 B /APHA, 3111-D
131	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Cadmium	EPA 3050 B /APHA, 3111-B
132	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Copper	EPA 3050 B /APHA, 3111-B

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133	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Iron	EPA 3050 B /APHA, 3111-B
134	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Manganese	EPA 3050 B /APHA, 3111-B
135	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Nickel	EPA 3050 B /APHA, 3111-B
136	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Selenium	EPA 3050 B /APHA, 3114-B
137	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Vanadium	EPA 3050 B /APHA, 3111-D
138	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Zinc	EPA 3050 B /APHA, 3111-B
139	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Arsenic	EPA 3050 B /APHA, 3114-B
140	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Lithium	EPA 3050 B /APHA, 3111-B
141	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Ammonical Nitrogen	IS 14684
142	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Boron	SWA/LAB/SOP/SQ/Boron
143	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Calcium	SWA/LAB/SOP/SQ/Calcium
144	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Calcium Carbonate	IS 2720 (Part 23)
145	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Calorific Value	IS 1350 : Part 2
146	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Cation Exchange Capacity (CEC)	SWA/LAB/SOP/SQ/CEC
147	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Chloride	SWA/LAB/SOP/SQ/Chloride
148	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Electrical Conductivity	IS 14767
149	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Lead	EPA 3050 B /APHA, 3111-B
150	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Magnesium	SWA/LAB/SOP/SQ/Magnesium
151	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Mercury	EPA 3050 B /APHA, 3112-B

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152	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Nitrate	IS 14684
153	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Nitrite	IS 14684
154	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Organic Carbon/Organic Matter	IS 2720
155	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	pH	IS 2720 (Part 26)
156	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Phosphorus - Available	SWA/LAB/SOP/SQ/PHOSPHORUS - AVAILABLE
157	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Potassium	SWA/LAB/SOP/SQ/Potassium
158	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Sodium	SWA/LAB/SOP/SQ/Sodium
159	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Sodium Adsorption Ratio in Soil Extract	SWA/LAB/SOP/SQ/SAR
160	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Sulphate	SWA/LAB/SOP/SQ/Sulphate
161	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Total Chromium	EPA 3050 B /APHA, 3111-B
162	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Total Kjeldahl Nitrogen (TKN)	IS 14684
163	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Total Nitrogen - in Ammonical Form	IS 14684
164	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Total Phosphorus	SWA/LAB/SOP/SQ/TOTAL PHOSPHORUS
165	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Total Soluble Solids	IS 2720 (Part 21)
166	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/slurry/sludge/Solid/Semi-Solid)	Water Content (Moisture)	IS 2720 (Part 2)
167	CHEMICAL- RESIDUES IN WATER	Drinking Water	Arsenic	APHA 3114 - B
168	CHEMICAL- RESIDUES IN WATER	Drinking water	Barium	APHA 3111-D
169	CHEMICAL- RESIDUES IN WATER	Drinking water	Cadmium	APHA 3111 - B
170	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper	APHA 3111 - B

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171	CHEMICAL- RESIDUES IN WATER	Drinking Water	Iron	APHA 3111 - B
172	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead	APHA 3111 - B
173	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lithium	APHA 3111 - B
174	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese	APHA 3111 - B
175	CHEMICAL- RESIDUES IN WATER	Drinking Water	Mercury	APHA 3112 - B
176	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel	APHA 3111 - B
177	CHEMICAL- RESIDUES IN WATER	Drinking Water	Selenium	APHA 3114 - B
178	CHEMICAL- RESIDUES IN WATER	Drinking Water	Total Chromium	APHA 3111 - B
179	CHEMICAL- RESIDUES IN WATER	Drinking water	Vanadium	APHA 3111 - D
180	CHEMICAL- RESIDUES IN WATER	Drinking Water	Zinc	APHA 3111-B
181	CHEMICAL- RESIDUES IN WATER	Ground Water	Arsenic	APHA 3114 - B
182	CHEMICAL- RESIDUES IN WATER	Ground Water	Barium	APHA 3111 - D
183	CHEMICAL- RESIDUES IN WATER	Ground Water	Cadmium	APHA 3111 - B
184	CHEMICAL- RESIDUES IN WATER	Ground Water	Copper	APHA 3111 - B
185	CHEMICAL- RESIDUES IN WATER	Ground Water	Iron	APHA 3111 - B
186	CHEMICAL- RESIDUES IN WATER	Ground Water	Lead	APHA 3111 - B
187	CHEMICAL- RESIDUES IN WATER	Ground Water	Lithium	APHA 3111 - B
188	CHEMICAL- RESIDUES IN WATER	Ground Water	Manganese	APHA 3111 - B
189	CHEMICAL- RESIDUES IN WATER	Ground Water	Mercury	APHA 3112 - B

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190	CHEMICAL- RESIDUES IN WATER	Ground Water	Nickel	APHA 3111 - B
191	CHEMICAL- RESIDUES IN WATER	Ground Water	Selenium	APHA 3114 - B
192	CHEMICAL- RESIDUES IN WATER	Ground Water	Total Chromium	APHA 3111 - B
193	CHEMICAL- RESIDUES IN WATER	Ground Water	Vanadium	APHA 3111 - D
194	CHEMICAL- RESIDUES IN WATER	Ground Water	Zinc	APHA 3111 - B
195	CHEMICAL- WATER	Drinking Water	Acidity	APHA 2310 B
196	CHEMICAL- WATER	Drinking Water	Alkalinity	APHA 2320 B
197	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	APHA 4500 NH3 C
198	CHEMICAL- WATER	Drinking water	Boron	APHA 4500-Boron B
199	CHEMICAL- WATER	Drinking Water	Calcium	APHA 3500-Ca B
200	CHEMICAL- WATER	Drinking Water	Carbon Dioxide	APHA (4500-CO2) C
201	CHEMICAL- WATER	Drinking Water	Chloride	APHA 4500-Chloride B
202	CHEMICAL- WATER	Drinking Water	Color	APHA 2120 C
203	CHEMICAL- WATER	Drinking Water	Copper	APHA (3500-CU B)
204	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	APHA 4500-O C
205	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	APHA 2510 B
206	CHEMICAL- WATER	Drinking Water	Fluoride	APHA (4500-F) D
207	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium	APHA (3500 -Cr) B
208	CHEMICAL- WATER	Drinking Water	Iron	APHA 3500-Fe - B
209	CHEMICAL- WATER	Drinking Water	Magnesium	APHA 3500-Mg B
210	CHEMICAL- WATER	Drinking Water	Nitrate	APHA
211	CHEMICAL- WATER	Drinking Water	Oil & Grease	APHA 5520 B
212	CHEMICAL- WATER	Drinking Water	pH	APHA 2510 B
213	CHEMICAL- WATER	Drinking Water	Phenols	APHA 5530 D
214	CHEMICAL- WATER	Drinking Water	Residual Chlorine	APHA 4500 Chlorine B
215	CHEMICAL- WATER	Drinking Water	Silica	APHA 23rd Edition 4500 SIO2 C
216	CHEMICAL- WATER	Drinking Water	Sulfide	APHA (4500 -S) F

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217	CHEMICAL- WATER	Drinking Water	Sulphate	APHA 4500-Sulphate E
218	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	APHA 2540 C
219	CHEMICAL- WATER	Drinking Water	Total Hardness	APHA 2340-C
220	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	APHA 2540 D
221	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 2130 B
222	CHEMICAL- WATER	Ground Water	Boron	APHA 4500 Boron B
223	CHEMICAL- WATER	Ground Water	Carbon Dioxide	APHA (4500-CO2) C
224	CHEMICAL- WATER	Ground Water	Copper	APHA (3500-CU B)
225	CHEMICAL- WATER	Ground Water	Fluoride	APHA (4500-F) D
226	CHEMICAL- WATER	Ground Water	Iron	APHA 3500-Fe - B
227	CHEMICAL- WATER	Ground Water	Silica	APHA 23rd Edition 4500 SIO2 C
228	CHEMICAL- WATER	Ground Water	Sodium Absorption Ratio	SWA/LAB/SOP/WQ/SAR
229	CHEMICAL- WATER	Ground Water	Sulfide	APHA (4500 -S) F
230	CHEMICAL- WATER	Ground water	Total Kjehldhal Nitrogen	APHA 4500 Org N B
231	CHEMICAL- WATER	Groundwater	Ammonical Nitrogen	APHA 4500 NH3 B&C
232	CHEMICAL- WATER	Groundwater	Calcium	APHA 3500 Ca-B
233	CHEMICAL- WATER	Groundwater	Chemical Oxygen Demand	APHA 5220 B
234	CHEMICAL- WATER	Groundwater	Chloride	APHA 4500-Chloride B
235	CHEMICAL- WATER	Groundwater	Dissolved Oxygen	APHA 4500 O-C
236	CHEMICAL- WATER	Groundwater	Electrical Conductivity	APHA 2510 B
237	CHEMICAL- WATER	Groundwater	Magnesium	APHA 3500 Mg B
238	CHEMICAL- WATER	Groundwater	Nitrate	APHA 4500 NO3-E
239	CHEMICAL- WATER	Groundwater	Nitrite	APHA 4500 NO2 B
240	CHEMICAL- WATER	Groundwater	Sodium	APHA 4500 Na B
241	CHEMICAL- WATER	Groundwater	Total Dissolved Solids	APAH 2540 C
242	CHEMICAL- WATER	Groundwater	Total Phosphorous	APHA 4500-P A,B,D
243	CHEMICAL- WATER	Grounwater	Potassium	APHA 3500 K B
244	CHEMICAL- WATER	Irrigation Water	Sodium Absorption Ratio	SWA/LAB/SOP/WQ/SAR
245	CHEMICAL- WATER	River/Lake/Sea Water	Alkalinity	APHA 2320 B
246	CHEMICAL- WATER	River/Lake/Sea Water	Ammoical Nitrogen	APHA 4500 NH3 B & C

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247	CHEMICAL- WATER	River/Lake/Sea Water	Biological Oxygen Demand	IS:3025 Part-44
248	CHEMICAL- WATER	River/Lake/Sea Water	Calcium	APHA 3500 Ca B
249	CHEMICAL- WATER	River/Lake/Sea Water	Chemical Oxygen Demand	APHA 5220 B
250	CHEMICAL- WATER	River/Lake/Sea Water	Chloride	APHA 4500 Chloride B
251	CHEMICAL- WATER	River/Lake/Sea Water	Copper	APHA (3500-CU B)
252	CHEMICAL- WATER	River/Lake/Sea Water	Electrical Conductivity	APHA 2150 B
253	CHEMICAL- WATER	River/Lake/Sea Water	Hexavalent Chromium	APHA (3500 -Cr) B
254	CHEMICAL- WATER	River/Lake/Sea Water	Iron	APHA 3500-Fe - B
255	CHEMICAL- WATER	River/Lake/Sea Water	Magnesium	APHA 3500 Mg B
256	CHEMICAL- WATER	River/Lake/Sea Water	Nitrate	APHA 4500 NO3-E
257	CHEMICAL- WATER	River/Lake/Sea Water	Nitrite	APHA NO2 B
258	CHEMICAL- WATER	River/Lake/Sea Water	Organic Nitrogen	APHA 4500 Org N B
259	CHEMICAL- WATER	River/Lake/Sea Water	Orhtophosphates	APHA 4500 P A,B,D
260	CHEMICAL- WATER	River/Lake/Sea Water	pH	APHA 4500 H+ B
261	CHEMICAL- WATER	River/Lake/Sea Water	Potassium	APHA 3500 K B
262	CHEMICAL- WATER	River/Lake/Sea Water	Sodium	APHA 3500-Na B
263	CHEMICAL- WATER	River/Lake/Sea Water	Sulphate	APHA 4500-Sulphate E
264	CHEMICAL- WATER	River/Lake/Sea Water	Total Dissolved Solids	APHA 2540 C
265	CHEMICAL- WATER	River/Lake/Sea Water	Total Hardness	APHA 2340 C
266	CHEMICAL- WATER	River/Lake/Sea Water	Total Kjehldhal Nitrogen	APHA 4500 Org N B
267	CHEMICAL- WATER	River/Lake/Sea Water	Total Phosphorous	APHA 4500-P A,B & D
268	CHEMICAL- WATER	River/Lake/Sea Water	Total Solids	APHA 2540 B
269	CHEMICAL- WATER	River/Lake/Sea Water	Total Suspended Solids	APHA 2540 D
270	CHEMICAL- WATER	Water for Swimming Pool	Residual Chlorine	APHA 4500 Chlorine B

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Hydrogen Sulphide	IS 5182 (PART- 7)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	IS 5182 (PART-25)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Barometric Pressure	SWA/LAB/SOP/AQ/AWS
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Fine Particulate Matter (PM 2.5)	IS 5182 (PART 24)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS 5182 (PART-6)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Respirable Suspended Particulate Matter (PM 10)	IS 5182 (PART 23)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (PART-2)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Temperature	SWA/LAB/SOP/AQ/AWS
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level	Ambient Noise Level Measurement (db)	IS 9989
10	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Ammonia	IS 11255 (Part 6)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Carbon Monoxide	SWA/LAB/SOP/AQ/CO/CO2/O2
12	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Flow Rate	IS 11255 (Part-3)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Oxides of Nitrogen	IS 11255 (Part-07)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Particulate Matter	IS 11255 (Part-01)
15	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Sulphur Dioxides	IS 11255(Part-2)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Ammonia	IS 11255 (Part 6)
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Flow Rate	IS 11255 (PART-3)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (Part-01)

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19	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur Dioxide	IS 11255 (Part-02)
20	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment & Indoor Noise Level	Noise Level Measurement (db)	IS 4257
21	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality - Illuminance - Lux Levels	Illuminance - Lux Levels	ASHRAE
22	CHEMICAL- WATER	Ground Water	Hexavalent Chromium	APHA (3500 -Cr) B