National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRAGATHI LABS & CONSULTANTS PRIVATE LIMITED, PLOT NO. B15 & 16, INDUSTRIAL ESTATE, SANATH NAGAR, HYDERABAD, TELANGANA, 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	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Air	Coliforms	PLCPL-QC-SOP-AIR-001
2	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Air	Escherichia coli	PLCPL-QC-SOP-AIR-002
3	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Air	Total Plate Count	PLCPL-QC-SOP-AIR-003
4	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste Water	Aerobic Plate Count	IS 1622
5	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste Water	Coliforms	Section 9221, APHA 23 rd Edn
6	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste Water	Escherichia coli	Section 9221G(2), APHA 23rd Edn.
7	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste Water	Yeast and moulds	IS 5403
8	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Swabs	Coliforms	PLCPL-QC-SOP-SWAB-001
9	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Swabs	Escherichia coli	PLCPL-QC-SOP-SWAB-002
10	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Swabs	Total Fungi	PLCPL-QC-SOP- SWAB-004
11	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Swabs	Total plate count	PLCPL-QC-SOP-SWAB-003
12	BIOLOGICAL- WATER	Drinking Water/ Bore water	Aerobic Colony Count at 37degC for 48 hours	IS 1622
13	BIOLOGICAL- WATER	Drinking water/ Bore water	Coliform bacteria	IS 15185
14	BIOLOGICAL- WATER	Drinking Water/ Bore water	Escherichia coli	IS 15185
15	BIOLOGICAL- WATER	Drinking water/ Bore water	Yeast and Moulds	IS 5403

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16	BIOLOGICAL- WATER	Ground Water	Aerobic Colony Count at 37degC for 48 hours	IS 1622
17	BIOLOGICAL- WATER	Ground Water	Coliform bacteria	IS 15185
18	BIOLOGICAL- WATER	Ground Water	Escherichia coli	IS 15185
19	BIOLOGICAL- WATER	Ground Water	Yeast and Moulds	IS 5403
20	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Benzene	IS 5182 Part -11
21	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Benzo-a-pyrene Particulate phase	IS 5182 Part -12
22	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Aluminium as Al	USEPA Method IO 3:2
23	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Ammonia as NH3	IS 5182 , Part - 25
24	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Arsenic as As	Method 804,AWMA,3rd edn
25	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Cadmium	USEPA Method IO 3.2
26	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Carbon disulphide	IS 5182 (Part 20)
27	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Chlorine	IS 5182 (Part 19)
28	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Chromium as Cr	USEPA Method IO 3:2
29	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Copper as Cu	USEPA Method IO 3.2
30	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Hydrogen Sulphide	IS 5182 (Part 07)
31	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Iron as Fe	USEPA Method IO 3:2
32	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Lead as Pb	IS 5182 (Part 22)
33	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Nickel as Ni	IS 5182, Part -26
34	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Oxides of Nitrogen	IS 5182 (Part 6)
35	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Sulphur Dioxide as SO2	IS 5182 (Part 2)

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36	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Vanadium	USEPA Method IO 3:2
37	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Volatile Organic Compound	EPA Method 21
38	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Zinc	USEPA Method IO 3:2
39	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality/	Manganese as Mn	USEPA Method IO 3:2
40	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality/	Mercury as Hg	PLCPL-QC-SOP-AIR- 001
41	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality/Fugitive Emissions Monitoring	Carbon Monoxide	IS 5182 Part 10
42	CHEMICAL- ATMOSPHERIC POLLUTION	Fugitive Emission	VOC	USEPA 21, Photo ionization detector
43	CHEMICAL- ATMOSPHERIC POLLUTION	Metrological Measurements	Relative humidity	USEPA-454/R-99-005
44	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Cadmium as Cd	USEPA Method -29
45	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Flue Gas Velocity	IS 11255 Part3
46	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Hydrogen Sulphide	IS 11255 (Part 4)
47	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Lead	USEPA Method-0060
48	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Manganese as Mn	USEPA Method -29
49	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Mercury as Hg	USEPA Method -29
50	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Moisture	USEPA Method -04
51	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Oxides Of Nitrogen	IS 11255 Part7
52	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Oxygen	USEPA Method-3A
53	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Temperature	IS 11255 Part3
54	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Vanadium	PLCPL-QC-SOP- PROCESS/VENT EMISSION- 001

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55	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	VOC	US EPA 21, Photo Ionization
56	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Ammonia	IS 11255 (Part 6)
57	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Arsenic as As	USEPA Method-0060
58	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Copper	USEPA Method -29
59	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Nickel	USEPA Method-29
60	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Sulphur dioxide as SO2	IS 11255 Part2
61	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Zinc as Zn	USEPA Method -29
62	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Ammonia	IS 11255 (Part 6)
63	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Arsenic as As	USEPA Method -29
64	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Cadmium	USEPA Method -29
65	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Carbon Monoxide	USEPA Method-10
66	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Cobalt	USEPA Method -29
67	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Copper	USEPA Method -29
68	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Flow rate	IS 11255 (Part 3)
69	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Hydrogen Sulphide	IS 11255 (Part 4)
70	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Lead	USEPA Method -29
71	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Manganese as Mn	USEPA Method -29
72	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Mercury as Hg	USEPA Method -29
73	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Moisture	USEPA Method -04

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74	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Nickel	USEPA Method-29
75	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Oxides Of Nitrogen	IS 11255 (Part 7)
76	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Oxygen	USEPA Method-3A
77	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Sulphur dioxide as SO2	IS 11255 (Part 2):1985
78	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Vanadium	PLCPL-QC-SOP-STACK EMISSION- 001
79	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	VOC	PLCPL-QC-SOP-STACK-Emission -001 Issue No::01 date:13.09.2021
80	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Zinc as Zn	USEPA Method -29
81	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	% Relative Humidity	PLCPL-QC-SOP-IAQ-006
82	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Carbon dioxide as CO2	NIOSH 6604
83	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Carbon monoxide as CO	NIOSH 6604
84	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Oxygen as O2	NIOSH 6601
85	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Lead as Pb	NIOSH 7082
86	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Nitric Oxide	NIOSH 6014
87	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Nitrogen Dioxide	NIOSH 6014
88	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Magnesium	PLCPL-QC-SOP-SOIL-005
89	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Calcium	PLCPL-QC-SOP-SOIL-004
90	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Aluminium as Al	USEPA 3050 B
91	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Available Nitrogen	IS 14684

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92	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Available phosphorous as P2O5	PLCPL-QC-SOP- SOIL-005
93	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Boron	PLCPL-QC-SOP- SOIL-002
94	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Bulk density	IS 2720 (Part29)
95	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Cadmium as Cd	USEPA 3050 B
96	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Calcium Carbonate	IS 2720 (Part 23)
97	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Chlorides	PLCPL-QC-SOP-SOIL-003
98	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Chromium as Cr	USEPA 3050 B
99	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Cobalt as Co	USEPA 3050 B
100	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Conductivity	IS 14767
101	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Copper as Cu	USEPA 3050 B
102	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Iron as Fe	USEPA 3050 B
103	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Lead as Pb	USEPA 3050 B
104	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Manganese as Mn	USEPA 3050 B
105	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Mercury as Hg	USEPA 7471 B
106	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Moisture content	IS 2720 (Part 2)
107	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Nickel as Ni	USEPA 3050 B
108	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Organic Matter	IS 2720 (Part 22)
109	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	pH	IS 2720 (Part 26)
110	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Sodium	PLCPL-QC-SOP-SOIL-006

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111	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Soil Permeability	IS 2720 (Part 17)
112	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Sulphates	IS 2720 (Part27)
113	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Texture(Sand, Clay, silt)	PLCPL-QC-SOP- SOIL-003
114	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Total Kjeldahl Nitrogen N	IS 14684
115	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Zinc as Zn	USEPA 3050 B
116	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediments	Available potassium K	PLCPL-QC-SOP-SOIL-006
117	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Ammonical Nitrogen	IS 14684
118	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Arsenic as As	PLCPL-QC-SOP- SOIL-001
119	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/ Solid/ Semi Solid/ Slurry/ Municipal Waste	Total Kjeldhal Nitrogen	IS 10158
120	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/ Solid/ Semi Solid/ Slurry/ Municipal Waste)	Ash	PLCPL-QC-SOP- SW-MC-026
121	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/ Solid/ Semi Solid/ Slurry/ Municipal Waste)	Calorific value	IS 10158:1982
122	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/ Solid/ Semi Solid/ Slurry/ Municipal Waste)	Moisture (Loss of Drying)	IS 9235
123	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/ Solid/ Semi Solid/ Slurry/ Municipal Waste)	pH	IS 10158
124	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/ Solid/ Semi Solid/ Slurry/ Municipal Waste)	Volatile substance (Loss on ignition)	IS 10158
125	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/ Solid/ Semi Solid/ Slurry/ Municipal Waste)	Arsenic as As	USEPA 3050 B
126	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/ Solid/ Semi Solid/ Slurry/ Municipal Waste)	Calorific value	IS 1350 (Part 2)
127	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid/Semi- solid/Slurry/Municipal Waste)	Cadmium as Cd	USEPA 3050 B
128	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid/Semi- solid/Slurry/Municipal Waste)	Copper as Cu	USEPA 3050 B
129	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid/Semi- solid/Slurry/Municipal Waste)	Fluoride	PLCPL-QC-SOP-WASTE-001

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130	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid/Semi- solid/Slurry/Municipal Waste)	Iron	USEPA 3050 B
131	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid/Semi- solid/Slurry/Municipal Waste)	Lead	USEPA 3050 B
132	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid/Semi- solid/Slurry/Municipal Waste)	Mercury as Hg	USEPA 7471B
133	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid/Semi-solid/Slurry/Municipal Waste)	Flash Point	USEPA 1998, SW-846;1020-A
134	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Ammonical Nitrogen	IS 3025 (Part 34)
135	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	BOD @ 27oC for 3 days	IS 3025 (Part 44)
136	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
137	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Chloride as Cl	IS 3025 (Part 32)
138	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Fixed Residue	IS 3025 (Part 18)
139	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Nitrate as NO3	APHA 23rd edn 4500 NO3 B
140	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Nitrite as NO2	IS 3025 (Part 34) :1988
141	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Oil & Grease	IS 3025 (Part 39)
142	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Sulphate as SO4	APHA 23rd-4500 SO4¬ D
143	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Total Kjeldhal Nitrogen	IS 3025 (Part 34)
144	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Total Solids	IS 3025 (Part 15)
145	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Total Suspended Solids at 103-105 oC	IS 3025 (Part 17)
146	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Volatile Residue	IS 3025 (Part 18)
147	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Zinc	IS 3025 (Part 49)
148	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Aluminium as Al	IS 3025 (Part 55)

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149	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Arsenic as As	APHA-23rd -3114 C
150	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Bioassay	IS 6582 (Part-2)
151	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Boron as B	APHA-23rd -(4500 B)
152	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Cadmium	IS 3025 (Part 41)
153	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Chromium	IS 3025 (Part 52)
154	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Color	IS: 3025 (Part 04)
155	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Copper	IS 3025 (Part 42)
156	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Fluoride	IS 3025 (Part 60)
157	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Free Ammonia	IS 3025 (Part 34)
158	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Hexavalent Chromium	APHA-23rd -(3500-Cr B)
159	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Iron	IS 3025 (Part 53)
160	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Lead	IS 3025 (Part 47)
161	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Manganese	IS 3025 (Part 59)
162	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Mercury as Hg	USEPA 245.1
163	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Nickel as Ni	APHA-23rd - (3111-B)
164	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Odor	IS 3025 (Part 5)
165	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Percent Sodium	PLCPL-QC-SOP-WATER-001
166	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Phenolic Compounds	APHA-23rd -(5530-Phenols)
167	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Phosphates	IS 3025 (Part 31)

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168	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Residual free Chlorine	IS 3025 (Part 26)
169	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Residual Sodium Carbonate	PLCPL-QC-SOP-WATER-002
170	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Sulfide	APHA-23rd- (4500-F)
171	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Sulphate as SO4	IS 3025 (Part 24)
172	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Sulphite	IS 3025 (Part 28)
173	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Taste	IS 3025 (Part 7)
174	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Total Alkalinity	IS 3025 (Part 23)
175	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Total Hardness	IS 3025 (Part 21)
176	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Turbidity	IS 3025 (Part 10)
177	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Vanadium	APHA-23rd - (3111-B)
178	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water- ETP, STP Water, Effluents	Electrical Conductance	APHA 23rd- 2510 A
179	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water- ETP, STP Water, Effluents	Electrical Conductance	IS:3025 (Part 14)
180	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water- ETP, STP Water, Effluents	Total Dissolved Solids	IS:3025 (Part 16)
181	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Solid/Semi - Solid/Slurry/Municipal Wastage)	Available Phosphorous as P2O5	PLCPL-QC-SOP-SW-002 Issue No./Date: 01/26.09.2016
182	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Solid/Semi Solid/Sludge/Municipal Wastage)	Exchangeable/available Potassium K	PLCPL-QC-SOP-SW-003 Issue No./Date: 01/26.09.2016
183	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Aluminium as Al	IS 3025 (Part 55)
184	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Arsenic as As	APHA-23rd (3114 C)
185	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Cadmium	IS 3025 (Part 41)
186	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Chromium	IS 3025 (Part 52)

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187	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Copper	IS 3025 (Part 42)
188	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Iron	IS 3025 (Part 53)
189	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Lead	IS 3025 (Part 47)
190	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Manganese	IS 3025 (Part 59)
191	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Mercury as Hg	PLCPL-QC-SOP-WATER-003
192	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Nickel as Ni	APHA-23rd (3111-B)
193	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Selenium as Se	APHA-23rd (3114 C)
194	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Vanadium	APHA-23rd (3111-D)
195	CHEMICAL- RESIDUES IN WATER	Surface Water/ Ground Water/ Drinking Water	Zinc	IS 3025 (Part 49)
196	CHEMICAL- WATER	Drinking Water	Alkalinity as CaCO3	IS 3025 (Part 23)
197	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	IS 3025 (Part 34)
198	CHEMICAL- WATER	Drinking Water	Bioassay	IS 6582 (Part-2)
199	CHEMICAL- WATER	Drinking Water	BOD @ 27oC for 3 days	IS 3025 (Part 44)
200	CHEMICAL- WATER	Drinking Water	Boron as B	APHA-23rd -(4500 B)
201	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part 40)
202	CHEMICAL- WATER	Drinking Water	Calcium Hardness as CaCO3	IS 3025 (Part 40)
203	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
204	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 32)
205	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 04)
206	CHEMICAL- WATER	Drinking Water	Electrical Conductance	IS 3025 (Part 14)
207	CHEMICAL- WATER	Drinking Water	Fluoride	IS 3025 (Part 60)
208	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium	APHA-23rd -(3500-Cr B)
209	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 (Part 46)
210	CHEMICAL- WATER	Drinking Water	Magnesium Hardness as CaCO3	IS 3025 (Part 46)

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211	CHEMICAL- WATER	Drinking Water	Methyl Alkalinity	IS 3025 (Part 23)
212	CHEMICAL- WATER	Drinking Water	Nitrate	IS 3025 (Part 34)
213	CHEMICAL- WATER	Drinking Water	Nitrite	IS 3025 (Part 34)
214	CHEMICAL- WATER	Drinking Water	Odor	IS 3025 (Part 5)
215	CHEMICAL- WATER	Drinking Water	Oil and Grease	IS 3025 (Part 39)
216	CHEMICAL- WATER	Drinking Water	Percent Sodium	PLCPL-QC-SOP-WATER-001
217	CHEMICAL- WATER	Drinking Water	Phenolic compounds	APHA-23rd (5530-Phenols)
218	CHEMICAL- WATER	Drinking Water	Phenolphthalein Alkalinity	IS 3025 (Part 23)
219	CHEMICAL- WATER	Drinking Water	Phosphate	IS 3025 (Part 31)
220	CHEMICAL- WATER	Drinking Water	Potassium	IS 3025 (Part 45)
221	CHEMICAL- WATER	Drinking Water	Residual free chlorine	IS 3025 (Part 26)
222	CHEMICAL- WATER	Drinking Water	Residual Sodium Carbonate	PLCPL-QC-SOP-WATER-002
223	CHEMICAL- WATER	Drinking Water	Silica	IS 3025 (Part 35)
224	CHEMICAL- WATER	Drinking Water	Sodium	IS 3025 (Part 45)
225	CHEMICAL- WATER	Drinking Water	Sodium Absorption ratio	PLCPL.QC.SOP.WATER 003
226	CHEMICAL- WATER	Drinking Water	Sulphates	IS 3025 (Part 24)
227	CHEMICAL- WATER	Drinking Water	Sulphide	IS 3025 (Part 29)
228	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (Part 7)
229	CHEMICAL- WATER	Drinking Water	TKN	IS 3025 (Part 34)
230	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
231	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part 21)
232	CHEMICAL- WATER	Drinking Water	Total Suspended Solids 103-105oC	IS 3025 (Part 17)
233	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
234	CHEMICAL- WATER	Drinking Water	Water Flow	IS 3918
235	CHEMICAL- WATER	Surface Water/ Ground Water	Alkalinity as CaCO3	APHA 23rd- 2320 B
236	CHEMICAL- WATER	Surface Water/ Ground Water	Alkalinity as CaCO3	IS 3025 (Part 23)
237	CHEMICAL- WATER	Surface Water/ Ground Water	Ammonical Nitrogen	IS 3025 (Part 34)
238	CHEMICAL- WATER	Surface Water/ Ground Water	Bioassay	IS 6582 (Part-2)
239	CHEMICAL- WATER	Surface Water/ Ground Water	BOD @ 27oC for 3 days	IS 3025 (Part 44)
240	CHEMICAL- WATER	Surface Water/ Ground Water	Boron as B	APHA-23rd - (4500 B)

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241	CHEMICAL- WATER	Surface Water/ Ground Water	Calcium	IS 3025 (Part 40)
242	CHEMICAL- WATER	Surface Water/ Ground Water	Calcium Hardness as CaCO3	IS 3025 (Part 40)
243	CHEMICAL- WATER	Surface Water/ Ground Water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
244	CHEMICAL- WATER	Surface Water/ Ground Water	Chloride	IS 3025 (Part 32)
245	CHEMICAL- WATER	Surface Water/ Ground Water	Color	IS 3025 (Part 04)
246	CHEMICAL- WATER	Surface Water/ Ground Water	Dissolved Oxygen	IS 3025 (Part 38)
247	CHEMICAL- WATER	Surface Water/ Ground Water	Electrical Conductance	IS 3025 (Part 14)
248	CHEMICAL- WATER	Surface Water/ Ground Water	Fluoride	IS 3025 (Part 60)
249	CHEMICAL- WATER	Surface Water/ Ground Water	Hexavalent Chromium	APHA-23rd ed (3500-Cr B)
250	CHEMICAL- WATER	Surface Water/ Ground Water	Magnesium	IS 3025 (Part 46)
251	CHEMICAL- WATER	Surface Water/ Ground Water	Magnesium Hardness as CaCO3	IS 3025 (Part 46)
252	CHEMICAL- WATER	Surface Water/ Ground Water	Methyl Alkalinity	IS 3025 (Part 23)
253	CHEMICAL- WATER	Surface Water/ Ground Water	Nitrate	IS 3025 (Part 34)
254	CHEMICAL- WATER	Surface Water/ Ground Water	Nitrite	IS 3025 (Part 34)
255	CHEMICAL- WATER	Surface Water/ Ground Water	Odor	IS 3025 (Part 5)
256	CHEMICAL- WATER	Surface Water/ Ground Water	Oil and Grease	IS 3025 (Part 39)
257	CHEMICAL- WATER	Surface Water/ Ground Water	Percent Sodium	PLCPL-QC-SOP-WATER-001
258	CHEMICAL- WATER	Surface Water/ Ground Water	Phenolic compounds	APHA-23rd (5530-Phenols)
259	CHEMICAL- WATER	Surface Water/ Ground Water	Phenolphthalein Alkalinity	IS 3025 (Part 23)
260	CHEMICAL- WATER	Surface Water/ Ground Water	Phosphate	IS 3025 (Part 31)
261	CHEMICAL- WATER	Surface Water/ Ground Water	Potassium	IS 3025 (Part 45)
262	CHEMICAL- WATER	Surface Water/ Ground Water	Residual Free chlorine	IS 3025 (Part 26)
263	CHEMICAL- WATER	Surface Water/ Ground Water	Residual Sodium Carbonate	PLCPL-QC-SOP-WATER-002
264	CHEMICAL- WATER	Surface Water/ Ground Water	Silica	IS 3025 (Part 35)
265	CHEMICAL- WATER	Surface Water/ Ground Water	Sodium	IS 3025 (Part 45)
266	CHEMICAL- WATER	Surface Water/ Ground Water	Sodium Absorption ratio	IS 3025 (Part 23)
267	CHEMICAL- WATER	Surface Water/ Ground Water	Sulphates	IS 3025 (Part 24)
268	CHEMICAL- WATER	Surface Water/ Ground Water	Sulphide	IS 3025 (Part 29)
269	CHEMICAL- WATER	Surface Water/ Ground Water	Taste	IS 3025 (Part 7)

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270	CHEMICAL- WATER	Surface Water/ Ground Water	TKN	IS 3025 (Part 34)
271	CHEMICAL- WATER	Surface Water/ Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
272	CHEMICAL- WATER	Surface Water/ Ground Water	Total Hardness	IS 3025 (Part-21)
273	CHEMICAL- WATER	Surface Water/ Ground Water	Total Suspended Solids103-105oC	IS 3025 (Part 17)
274	CHEMICAL- WATER	Surface Water/ Ground Water	Turbidity	IS 3025 (Part 10)
275	CHEMICAL- WATER	Surface Water/ Ground Water	Water Flow	IS 3918

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Dust Fall	IS 5182 (Part 01)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Ozone as O3	IS 5182 (Part 9)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Particulate Matter (PM2.5)	IS 5182 (part-24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Respirable Suspended Particulate Matter (PM10)	IS 5182 (Part 23)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Suspended Particulate Matter	IS 5182 (Part 4)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels - Noise Monitoring	Noise level Leq dB(A) Ambient	IS 9989
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels - Noise Monitoring	Noise levels source(Machinery, vehicles, Blasts)	IS 4758
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels - Noise Monitoring	Occupational noise exposure (by noise dosimeter)	IS 7194
9	CHEMICAL- ATMOSPHERIC POLLUTION	Metrological Measurements	Rain fall	USEPA-454/R-99-005
10	CHEMICAL- ATMOSPHERIC POLLUTION	Metrological Measurements	Temperature	USEPA-454/R-99-005
11	CHEMICAL- ATMOSPHERIC POLLUTION	Metrological Measurements	Wind direction	USEPA-454/R-99-005
12	CHEMICAL- ATMOSPHERIC POLLUTION	Metrological Measurements	Wind speed	USEPA-454/R-99-005
13	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Flow Rate	IS 11255 Part3
14	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Particulate Matter	IS 11255 Part1
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Flue gas velocity	IS 11255 (Part 3)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Particulate matter	IS 11255 (Part 1)1985
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emissions / Gaseous Pollutants Excluding Vehicular	Temperature	IS 11255 (Part 3)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Illumination level	IS 3646-1

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19	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Noise level (inside commercial building, office only)	IS 7194
20	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Particulate matter	NIOSH Method 0500
21	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Noise level (inside commercial building, office only)	IS 9876
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water - ETP, STP water	Dissolved Oxygen	IS 3025 (Part 38)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water - ETP, STP Water	pH	IS 3025 (Part 11)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, ETP Water, STP Water	Temperature	APHA-23rd -(2550-B)
25	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS 3025 (Part 38)
26	CHEMICAL- WATER	Drinking Water	pH Value	APHA 23rd 4500 H+ B
27	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025 (Part 11)
28	CHEMICAL- WATER	Drinking Water	Temperature	APHA-23rd (2550-B)
29	CHEMICAL- WATER	Surface Water/ Ground Water	pH Value	APHA 23rd- 4500 H+ B
30	CHEMICAL- WATER	Surface Water/ Ground Water	pH Value	IS 3025 (Part 11)
31	CHEMICAL- WATER	Surface Water/ Ground Water	Temperature	APHA-23rd (2550-B)