



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** ECOBIOCARE SOLUTIONS PRIVATE LIMITED, PLOT NO. 4496, CUTTACK- PURI BYPASS ROAD, PANDARA, RASULGARH, BHUBANESWAR, KHORDHA, ODISHA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-16883

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**Validity** 07/10/2025 to 26/02/2029

**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 Testing				
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (as NH3)	IS 5182 (Part 25)
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Oxidants (as O3)	IS 5182 (Part 9)
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen (NOx)	IS 5182 (Part 6)
4	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM10)	IS 5182 (Part 23)
5	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM2.5)	IS 5182 (Part 24)
6	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (as SO2)	IS 5182 (Part 2)
7	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise Level (Leq)	IS 9989
8	CHEMICAL-ATMOSPHERIC POLLUTION	DG Stack Emission	Carbon Dioxide (as CO2)	IS 13270
9	CHEMICAL-ATMOSPHERIC POLLUTION	DG Stack Emission	Carbon Monoxide (as CO)	IS 13270
10	CHEMICAL-ATMOSPHERIC POLLUTION	DG Stack Emission	Flow Rate	IS 11255 (Part 3)
11	CHEMICAL-ATMOSPHERIC POLLUTION	DG Stack Emission	Oxides of Nitrogen (NOx)	IS 11255 (Part 7)



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12	CHEMICAL-ATMOSPHERIC POLLUTION	DG Stack Emission	Oxygen (as O <sub>2</sub> )	IS 13270
13	CHEMICAL-ATMOSPHERIC POLLUTION	DG Stack Emission	Particulate Matter (PM)	IS 11255 (Part 1)
14	CHEMICAL-ATMOSPHERIC POLLUTION	DG Stack Emission	Pressure	IS 11255 (Part 3)
15	CHEMICAL-ATMOSPHERIC POLLUTION	DG Stack Emission	Sulphur Dioxide (as SO <sub>2</sub> )	IS 11255 (Part 2)
16	CHEMICAL-ATMOSPHERIC POLLUTION	DG Stack Emission	Temperature	IS 11255
17	CHEMICAL-ATMOSPHERIC POLLUTION	DG Stack Emission	Velocity	IS 11255 (Part 3)
18	CHEMICAL-ATMOSPHERIC POLLUTION	Source Noise (DG)	DG Noise Level (L <sub>eq</sub> )	IS 4758
19	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Ammoniacal Nitrogen	APHA 24th Edition, 4500 NH <sub>3</sub> -B,C
20	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Biochemical Oxygen Demand (3 Days at 27 °C)	IS 3025 (Part 44)
21	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Boron (as B)	APHA 24th Edition, 4500 B-B
22	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Calcium (as Ca)	APHA 24th Edition, 3500 Ca-B
23	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Chemical Oxygen Demand	APHA 24th Edition, 5220 B



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24	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Chloride (as Cl)	APHA 24th Edition, 3500 Mg-B
25	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Colour	IS 3025 (Part 4)
26	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Conductivity at 25 °C	APHA 24th Edition, 2510 B
27	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Cyanide (as CN)	APHA 24th Edition, 4500 CN-B,D
28	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Dissolved Oxygen	APHA 24th Edition, 4500 O-C
29	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Fixed Solids	APHA 24th Edition, 2540 E
30	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Fluoride (as F)	APHA 24th Edition, 4500 F-D
31	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Free Residual Chlorine	APHA 24th Edition, 4500 CI-B
32	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Hexavalent Chromium (as Cr6+)	APHA 24th Edition, 3500 Cr-B
33	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Iron (as Fe)	APHA 24th Edition, 3500 Fe-B
34	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Magnesium (as Mg)	APHA 24th Edition, 3500 Mg-B
35	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Nitrate (as NO3)	APHA 24th Edition, 4500 NO3-B



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36	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Nitrite (as NO <sub>2</sub> )	APHA 24th Edition, 4500 NO <sub>2</sub> -B
37	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Odour	APHA 24th Edition, 2150 B
38	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Oil & Grease	APHA 24th Edition, 5520 B
39	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	pH at 25 °C	APHA 24th Edition, 4500 H+-B
40	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Phenol (as C <sub>6</sub> H <sub>5</sub> OH)	APHA 24th Edition, 5530 D
41	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Phosphate (as P)	APHA 24th Edition, 4500 P-D
42	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Potassium (as K)	APHA 24th Edition, 3500 K-B
43	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Silica (as SiO <sub>2</sub> )	APHA 24th Edition, 4500 SiO <sub>2</sub> -C
44	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Sodium (as Na)	APHA 24th Edition, 3500 Na-B
45	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Sulphate (as SO <sub>4</sub> )	APHA 24th Edition, 4500 SO <sub>4</sub> -2-E
46	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Sulphide (as S <sub>2</sub> -)	APHA 24th Edition, 4500 S-2-F
47	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Sulphite (as SO <sub>3</sub> -2)	APHA 24th Edition, 4500 SO <sub>3</sub> -2-B



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48	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Temperature	APHA 24th Edition, 2550 B
49	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Alkalinity (as CaCO <sub>3</sub> )	APHA 24th Edition, 2320 B
50	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Dissolved Solids at 180 °C	APHA 24th Edition, 2500 C
51	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Hardness (as CaCO <sub>3</sub> )	APHA 24th Edition, 2340 C
52	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Kjeldahl Nitrogen (as N)	APHA 24th Edition, 4500-N
53	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Solids	APHA 24th Edition, 2540 B
54	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Total Suspended Solids	APHA 24th Edition, 2540 D
55	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Turbidity	APHA 24th Edition, 2130 B
56	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent Water	Volatile Solids	APHA 24th Edition, 2540 E
57	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Ammoniacal Nitrogen	APHA 24th Edition, 4500 NH <sub>3</sub> -B,C
58	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Biochemical Oxygen Demand (3 Days at 27 °C)	IS 3025 (Part 44)
59	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Boron (as B)	APHA 24th Edition, 4500 B-B



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60	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Calcium (as Ca)	APHA 24th Edition, 3500 Ca-B
61	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Chemical Oxygen Demand	APHA 24th Edition, 5220 B
62	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Chloride (as Cl)	APHA 24th Edition, 4500 Cl-B
63	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Colour	IS 3025 (Part 4)
64	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Conductivity at 25 °C	APHA 24th Edition, 2510 B
65	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Cyanide (as CN)	APHA 24th Edition, 4500 CN-B,D
66	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Dissolved Oxygen	APHA 24th Edition, 4500 O-C
67	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Fixed Solids	APHA 24th Edition, 2540 E
68	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Fluoride (as F)	APHA 24th Edition, 4500 F-D
69	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Free Residual Chlorine	APHA 24th Edition, 4500 CI-B
70	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Hexavalent Chromium (as Cr <sub>6+</sub> )	APHA 24th Edition, 3500 Cr-B
71	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Iron (as Fe)	APHA 24th Edition, 3500 Fe-B



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72	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Magnesium (as Mg)	APHA 24th Edition, 3500 Mg-B
73	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Nitrate (as NO <sub>3</sub> )	APHA 24th Edition, 4500 NO <sub>3</sub> -B
74	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Nitrite (as NO <sub>2</sub> )	APHA 24th Edition, 4500 NO <sub>2</sub> -B
75	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Odour	APHA 24th Edition, 2150 B
76	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Oil & Grease	APHA 24th Edition, 5520 B
77	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	pH at 25 °C	APHA 24th Edition, 4500 H+-B
78	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Phenol (C <sub>6</sub> H <sub>5</sub> OH)	APHA 24th Edition, 5530 D
79	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Phosphate (as P)	APHA 24th Edition, 4500 P-D
80	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Potassium (as K)	APHA 24th Edition, 3500 K-B
81	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Silica (as SiO <sub>2</sub> )	APHA 24th Edition, 4500 SiO <sub>2</sub> -C
82	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Sodium (as Na)	APHA 24th Edition, 3500 Na-B
83	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Sulphate (as SO <sub>4</sub> )	APHA 24th Edition, 4500 SO <sub>4</sub> -2-E



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84	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Sulphide (as S <sub>2</sub> -)	APHA 24th Edition, 4500 S-2-F
85	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Sulphite (as SO <sub>3</sub> -2)	APHA 24th Edition, 4500 SO3-2-B
86	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Temperature	APHA 24th Edition, 2550 B
87	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Total Alkalinity	APHA 24th Edition, 2320 B
88	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Total Dissolved Solids at 180 °C	APHA 24th Edition, 2540 C
89	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Total Hardness (as CaCO <sub>3</sub> )	APHA 24th Edition, 2340 C
90	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Total Kjeldahl Nitrogen (as N)	APHA 24th Edition, 4500-N
91	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Total Solids	APHA 24th Edition, 2540 B
92	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Total Suspended Solids	APHA 24th Edition, 2540 D
93	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Turbidity	APHA 24th Edition, 2130 B
94	CHEMICAL-POLLUTION & ENVIRONMENT	Sewage Water	Volatile Solids	APHA 24th Edition, 2540 E



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95	CHEMICAL- SOIL AND ROCK	Soil	Available Phosphorus (as P)	EGS/SOP/SOIL/04 (Version: 1.0, Issue Date: 30.08.2024) - by Olsen's Method
96	CHEMICAL- SOIL AND ROCK	Soil	Available Potassium (as K)	IS 9497
97	CHEMICAL- SOIL AND ROCK	Soil	Available Sodium (as Na)	IS 9497
98	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate (CaCO <sub>3</sub> )	IS 2720 (Part 23)
99	CHEMICAL- SOIL AND ROCK	Soil	Electrical Conductivity at 25 °C	IS 14767
100	CHEMICAL- SOIL AND ROCK	Soil	Exchangeable Calcium (as Ca)	EGS/SOP/SOIL/01 (Version 1.0, Issue Date: 30.08.2024) - by EDTA Titrimetric Method
101	CHEMICAL- SOIL AND ROCK	Soil	Exchangeable Magnesium (as Mg)	EGS/SOP/SOIL/02 (Version: 1.0, Issue Date: 30.08.2024) - by EDTA Titrimetric Method
102	CHEMICAL- SOIL AND ROCK	Soil	Organic Carbon	IS 2720 (Part 22)
103	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 (Part 22)
104	CHEMICAL- SOIL AND ROCK	Soil	pH at 25 °C	IS 2720 (Part 26)
105	CHEMICAL- SOIL AND ROCK	Soil	Total Available Nitrogen (as N)	EGS/SOP/SOIL/06 (Version: 1.0, Issue Date: 30.08.2024) - by Distillation Method
106	CHEMICAL- SOIL AND ROCK	Soil	Total Iron (as Fe)	EGS/SOP/SOIL/07 (Version: 1.0, Issue Date: 30.08.2024) - by Titration Method



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107	CHEMICAL- SOIL AND ROCK	Soil	Total Kjeldahl Nitrogen (as N)	EGS/SOP/SOIL/05 (Version: 1.0, Issue Date: 30.08.2024) - by Digestion & Distillation Method
108	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate (as SO4)	IS 2720 (Part 27)
109	CHEMICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
110	CHEMICAL- SOIL AND ROCK	Soil	Water Soluble Chloride (as Cl)	EGS/SOP/SOIL/03 (Version 1.0, Issue Date: 30.08.2024)- by Agravometric Method
111	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand	APHA 24th Edition, 5220 B
112	CHEMICAL- WATER	Drinking Water	Ammoniacal Nitrogen	APHA 24th Edition, 4500 NH3-B,C
113	CHEMICAL- WATER	Drinking Water	Biochemical Oxygen Demand (3 Days at 27 °C)	IS 3025 (Part 44)
114	CHEMICAL- WATER	Drinking Water	Boron (as B)	APHA 24th Edition, 4500 B-C
115	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	APHA 24th Edition, 3500 Ca-B
116	CHEMICAL- WATER	Drinking Water	Chloride (as Cl)	APHA 24th Edition, 4500 Cl-B
117	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
118	CHEMICAL- WATER	Drinking Water	Conductivity at 25 °C	APHA 24th Edition, 2510 B
119	CHEMICAL- WATER	Drinking Water	Cyanide (as CN)	APHA 24th Edition, 4500 CN-B,D
120	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	APHA 24th Edition, 4500 O-C
121	CHEMICAL- WATER	Drinking Water	Fixed Solids	APHA 24th Edition, 2540 E



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122	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	APHA 24th Edition, 4500 F-D
123	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	APHA 24th Edition, 4500 Cl-B
124	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium (as Cr6+)	APHA 24th Edition, 3500 Cr-B
125	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	APHA 24th Edition, 3500 Fe-B
126	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg)	APHA 24th Edition, 3500 Mg-B
127	CHEMICAL- WATER	Drinking Water	Nitrate (as NO3)	APHA 24th Edition, 4500 NO3-B
128	CHEMICAL- WATER	Drinking Water	Nitrite (as NO2)	APHA 24th Edition, 4500 NO2-B
129	CHEMICAL- WATER	Drinking Water	Odour	APHA 24th Edition, 2150 B
130	CHEMICAL- WATER	Drinking Water	Oil & Grease	APHA 24th Edition, 5520 B
131	CHEMICAL- WATER	Drinking Water	pH at 25 °C	APHA 24th Edition, 4500 H+-B
132	CHEMICAL- WATER	Drinking Water	Phenol (as C6H5OH)	APHA 24th Edition, 5530 D
133	CHEMICAL- WATER	Drinking Water	Phosphate (as P)	APHA 24th Edition, 4500 P-D
134	CHEMICAL- WATER	Drinking Water	Potassium (as K)	APHA 24th Edition, 3500 K-B
135	CHEMICAL- WATER	Drinking Water	Silica (as SiO2)	APHA 24th Edition, 4500 SiO2-C
136	CHEMICAL- WATER	Drinking Water	Sodium (as Na)	APHA 24th Edition, 3500 Na-B
137	CHEMICAL- WATER	Drinking Water	Sulphate (as SO4)	APHA 24th Edition, 4500 SO4-2-E



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138	CHEMICAL- WATER	Drinking Water	Sulphide (S2-)	APHA 24th Edition, 4500 S-2-F
139	CHEMICAL- WATER	Drinking Water	Sulphite (as SO3-2)	APHA 24th Edition, 4500 SO3-2-B
140	CHEMICAL- WATER	Drinking Water	Temperature	APHA 24th Edition, 2550 B
141	CHEMICAL- WATER	Drinking Water	Total Alkalinity (as CaCO3)	APHA 24th Edition, 2320 B
142	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids at 180 °C	APHA 24th Edition, 2540 C
143	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	APHA 24th Edition, 2340 C
144	CHEMICAL- WATER	Drinking Water	Total Kjeldahl Nitrogen (as N)	APHA 24th Edition, 4500 N
145	CHEMICAL- WATER	Drinking Water	Total Solids	APHA 24th Edition, 2540 B
146	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	APHA 24th Edition, 2540 D
147	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 24th Edition, 2130 B
148	CHEMICAL- WATER	Drinking Water	Volatile Solids	APHA 24th Edition, 2540 E
149	CHEMICAL- WATER	Ground Water	Biochemical Oxygen Demand (3 Days at 27 °C)	IS 3025 (Part 44)
150	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA 24th Edition, 2540 D
151	CHEMICAL- WATER	Ground Water	Ammoniacal Nitrogen	APHA 24th Edition, 4500 NH3-B,C
152	CHEMICAL- WATER	Ground Water	Boron	APHA 24th Edition, 4500 B-C
153	CHEMICAL- WATER	Ground Water	Calcium (as Ca)	APHA 24th Edition, 3500 Ca-B
154	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	APHA 24th Edition, 5520 B



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** ECOBIOCARE SOLUTIONS PRIVATE LIMITED, PLOT NO. 4496, CUTTACK- PURI BYPASS ROAD, PANDARA, RASULGARH, BHUBANESWAR, KHORDHA, ODISHA, INDIA

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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
155	CHEMICAL- WATER	Ground Water	Chloride (as Cl)	APHA 24th Edition, 4500 CI-B
156	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part 4)
157	CHEMICAL- WATER	Ground Water	Conductivity at 25 °C	APHA 24th Edition, 2510 B
158	CHEMICAL- WATER	Ground Water	Cyanide (as CN)	APHA 24th Edition, 4500 CN-B,D
159	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	APHA 24th Edition, 4500 O-C
160	CHEMICAL- WATER	Ground Water	Fixed Solids	APHA 24th Edition, 2540 E
161	CHEMICAL- WATER	Ground Water	Fluoride (as F)	APHA 24th Edition, 4500 F-D
162	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	APHA 24th Edition, 4500 CI-B
163	CHEMICAL- WATER	Ground Water	Hexavalent Chromium (as Cr6+)	APHA 24th Edition, 3500 Cr-B
164	CHEMICAL- WATER	Ground Water	Iron (as Fe)	APHA 24th Edition, 3500 Fe-B
165	CHEMICAL- WATER	Ground Water	Magnesium (as Mg)	APHA 24th Edition, 3500 Mg-B
166	CHEMICAL- WATER	Ground Water	Nitrate (as NO3)	APHA 24th Edition, 4500 NO3-B
167	CHEMICAL- WATER	Ground Water	Nitrite (as NO2)	APHA 24th Edition, 4500 NO2-B
168	CHEMICAL- WATER	Ground Water	Odour	APHA 24th Edition, 2150 B
169	CHEMICAL- WATER	Ground Water	Oil & Grease	APHA 24th Edition, 5520 B
170	CHEMICAL- WATER	Ground Water	pH at 25 °C	APHA 24th Edition, 4500 H+-B
171	CHEMICAL- WATER	Ground Water	Phenol (as C6H5OH)	APHA 24th Edition, 5530 D



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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
172	CHEMICAL- WATER	Ground Water	Phosphate (as P)	APHA 24th Edition, 4500 P-D
173	CHEMICAL- WATER	Ground Water	Potassium (as K)	APHA 24th Edition, 3500 K-B
174	CHEMICAL- WATER	Ground Water	Silica (as SiO <sub>2</sub> )	APHA 24th Edition, 4500 SiO <sub>2</sub> -C
175	CHEMICAL- WATER	Ground Water	Sodium (as Na)	APHA 24th Edition, 3500 Na-B
176	CHEMICAL- WATER	Ground Water	Sulphate (as SO <sub>4</sub> )	APHA 24th Edition, 4500 SO <sub>4</sub> -2-E
177	CHEMICAL- WATER	Ground Water	Sulphide (as S <sub>2</sub> -)	APHA 24th Edition, 4500 S-2-F
178	CHEMICAL- WATER	Ground Water	Sulphite (as SO <sub>3</sub> -2)	APHA 24th Edition, 4500 SO <sub>3</sub> -2-B
179	CHEMICAL- WATER	Ground Water	Temperature	APHA 24th Edition, 2550 B
180	CHEMICAL- WATER	Ground Water	Total Alkalinity (as CaCO <sub>3</sub> )	APHA 24th Edition, 2320 B
181	CHEMICAL- WATER	Ground Water	Total Dissolved Solids at 180 °C	APHA 24th Edition, 2540 C
182	CHEMICAL- WATER	Ground Water	Total Hardness (as CaCO <sub>3</sub> )	APHA 24th Edition, 2340 C
183	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen (as N)	APHA 24th Edition, 4500 N
184	CHEMICAL- WATER	Ground Water	Total Solids	APHA 24th Edition, 2540 B
185	CHEMICAL- WATER	Ground Water	Turbidity	APHA 24th Edition, 2130 B
186	CHEMICAL- WATER	Ground Water	Volatile Solids	APHA 24th Edition, 2540 E
187	CHEMICAL- WATER	Industrial Water	Ammoniacal Nitrogen	APHA 24th Edition, 4500 NH <sub>3</sub> -B,C
188	CHEMICAL- WATER	Industrial Water	Biochemical Oxygen Demand (3 Days at 27 °C)	IS 3025 (Part 44)



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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
189	CHEMICAL- WATER	Industrial Water	Boron (as B)	APHA 24th Edition, 4500 B-C
190	CHEMICAL- WATER	Industrial Water	Calcium (as Ca)	APHA 24th Edition, 3500 Ca-B
191	CHEMICAL- WATER	Industrial Water	Chemical Oxygen Demand	APHA 24th Edition, 5220 B
192	CHEMICAL- WATER	Industrial Water	Chloride (as Cl)	APHA 24th Edition, 4500 Cl-B
193	CHEMICAL- WATER	Industrial Water	Colour	IS 3025 (Part 4)
194	CHEMICAL- WATER	Industrial Water	Conductivity at 25 °C	APHA 24th Edition, 4500 B-C
195	CHEMICAL- WATER	Industrial Water	Cyanide (as CN)	APHA 24th Edition, 4500 CN-B,D
196	CHEMICAL- WATER	Industrial Water	Dissolved Oxygen	APHA 24th Edition, 4500 O-C
197	CHEMICAL- WATER	Industrial Water	Fixed Solids	APHA 24th Edition, 2540 E
198	CHEMICAL- WATER	Industrial Water	Fluoride (as F)	APHA 24th Edition, 4500 F-D
199	CHEMICAL- WATER	Industrial Water	Free Residual Chlorine	APHA 24th Edition, 4500 Cl-B
200	CHEMICAL- WATER	Industrial Water	Hexavalent Chromium (as Cr6+)	APHA 24th Edition, 3500 Cr-B
201	CHEMICAL- WATER	Industrial Water	Iron (as Fe)	APHA 24th Edition, 3500 Fe-B
202	CHEMICAL- WATER	Industrial Water	Magnesium (as Mg)	APHA 24th Edition, 3500 Mg-B
203	CHEMICAL- WATER	Industrial Water	Nitrate (as NO3)	APHA 24th Edition, 4500 NO3-B
204	CHEMICAL- WATER	Industrial Water	Nitrite (as NO2)	APHA 24th Edition, 4500 NO2-B
205	CHEMICAL- WATER	Industrial Water	Odour	APHA 24th Edition, 2150 B



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206	CHEMICAL- WATER	Industrial Water	Oil & Grease	APHA 24th Edition, 5520 B
207	CHEMICAL- WATER	Industrial Water	pH at 25 °C	APHA 24th Edition, 4500 H+-B
208	CHEMICAL- WATER	Industrial Water	Phenol (as C6H5OH)	APHA 24th Edition, 5530 D
209	CHEMICAL- WATER	Industrial Water	Phosphate (as P)	APHA 24th Edition, 4500 P-D
210	CHEMICAL- WATER	Industrial Water	Potassium (as K)	APHA 24th Edition, 3500 K-B
211	CHEMICAL- WATER	Industrial Water	Silica (as SiO2)	APHA 24th Edition, 4500 SiO2-C
212	CHEMICAL- WATER	Industrial Water	Sodium (as Na)	APHA 24th Edition, 3500 Na-B
213	CHEMICAL- WATER	Industrial Water	Sulphate (as SO4)	APHA 24th Edition, 4500 SO4-2-E
214	CHEMICAL- WATER	Industrial Water	Sulphide (as S2-)	APHA 24th Edition, 4500 S-2-F
215	CHEMICAL- WATER	Industrial Water	Sulphite (SO3-2)	APHA 24th Edition, 4500 SO3-2-B
216	CHEMICAL- WATER	Industrial Water	Temperature	APHA 24th Edition, 2550 B
217	CHEMICAL- WATER	Industrial Water	Total Alkalinity (as CaCO3)	APHA 24th Edition, 2320 B
218	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids at 180 °C	APHA 24th Edition, 2540 C
219	CHEMICAL- WATER	Industrial Water	Total Hardness (as CaCO3)	APHA 24th Edition, 2340 C
220	CHEMICAL- WATER	Industrial Water	Total Kjeldahl Nitrogen (as N)	APHA 24th Edition, 4500 N
221	CHEMICAL- WATER	Industrial Water	Total Solids	APHA 24th Edition, 2540 B



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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
222	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	APHA 24th Edition, 2540 D
223	CHEMICAL- WATER	Industrial Water	Turbidity	APHA 24th Edition, 2130 B
224	CHEMICAL- WATER	Industrial Water	Volatile Solids	APHA 24th Edition, 2540 E
225	CHEMICAL- WATER	Irrigation Water	Ammoniacal Nitrogen	APHA 24th Edition 4500, NH3-B,C
226	CHEMICAL- WATER	Irrigation Water	Biochemical Oxygen Demand (3 Days at 27 °C)	IS 3025 (Part 44)
227	CHEMICAL- WATER	Irrigation Water	Boron (as B)	APHA 24th Edition, 4500 B-C
228	CHEMICAL- WATER	Irrigation Water	Calcium (as Ca)	APHA 24th Edition, 3500 Ca-B
229	CHEMICAL- WATER	Irrigation Water	Chemical Oxygen Demand	APHA 24th Edition, 5220 B
230	CHEMICAL- WATER	Irrigation Water	Chloride (as Cl)	APHA 24th Edition, 4500 Cl-B
231	CHEMICAL- WATER	Irrigation Water	Colour	IS 3025 (Part 4)
232	CHEMICAL- WATER	Irrigation Water	Conductivity at 25 °C	APHA 24th Edition, 2510 B
233	CHEMICAL- WATER	Irrigation Water	Cyanide (as CN)	APHA 24th Edition, 4500 CN-B,D
234	CHEMICAL- WATER	Irrigation Water	Dissolved Oxygen	APHA 24th Edition, 4500 O-C
235	CHEMICAL- WATER	Irrigation Water	Fixed Solids	APHA 24th Edition, 2540 E
236	CHEMICAL- WATER	Irrigation Water	Fluoride (as F)	APHA 24th Edition, 4500 F-D
237	CHEMICAL- WATER	Irrigation Water	Free Residual Chlorine	APHA 24th Edition, 4500 Cl-B
238	CHEMICAL- WATER	Irrigation Water	Hexavalent Chromium (as Cr6+)	APHA 24th Edition, 3500 Cr-B
239	CHEMICAL- WATER	Irrigation Water	Iron (as Fe)	APHA 24th Edition, 3500 Fe-B



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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
240	CHEMICAL- WATER	Irrigation Water	Magnesium (as Mg)	APHA 24th Edition, 3500 Mg-B
241	CHEMICAL- WATER	Irrigation Water	Nitrate (as NO3)	APHA 24th Edition, 4500 NO3-B
242	CHEMICAL- WATER	Irrigation Water	Nitrite (as NO2)	APHA 24th Edition, 4500 NO2-B
243	CHEMICAL- WATER	Irrigation Water	Odour	APHA 24th Edition, 2150 B
244	CHEMICAL- WATER	Irrigation Water	Oil & Grease	APHA 24th Edition, 5520 B
245	CHEMICAL- WATER	Irrigation Water	pH at 25 °C	APHA 24th Edition, 4500 H+-B
246	CHEMICAL- WATER	Irrigation Water	Phenol (as C6H5OH)	APHA 24th Edition, 5530 D
247	CHEMICAL- WATER	Irrigation Water	Phosphate (as P)	APHA 24th Edition, 4500 P-D
248	CHEMICAL- WATER	Irrigation Water	Potassium (as K)	APHA 24th Edition, 3500 K-B
249	CHEMICAL- WATER	Irrigation Water	Silica (as SiO2)	APHA 24th Edition, 4500 SiO2-C
250	CHEMICAL- WATER	Irrigation Water	Sodium (as Na)	APHA 24th Edition, 3500 Na-B
251	CHEMICAL- WATER	Irrigation Water	Sulphate (as SO4)	APHA 24th Edition, 4500 SO4-2-E
252	CHEMICAL- WATER	Irrigation Water	Sulphide (as S2-)	APHA 24th Edition, 4500 S-2-F
253	CHEMICAL- WATER	Irrigation Water	Sulphite (as SO3-2)	APHA 24th Edition, 4500 SO3-2-B
254	CHEMICAL- WATER	Irrigation Water	Temperature	APHA 24th Edition, 2550 B
255	CHEMICAL- WATER	Irrigation Water	Total Alkalinity (as CaCO3)	APHA 24th Edition, 2320 B



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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
256	CHEMICAL- WATER	Irrigation Water	Total Dissolved Solids at 180 °C	APHA 24th Edition, 2540 C
257	CHEMICAL- WATER	Irrigation Water	Total Hardness (as CaCO <sub>3</sub> )	APHA 24th Edition, 2340 C
258	CHEMICAL- WATER	Irrigation Water	Total Kjeldahl Nitrogen (as N)	APHA 24th Edition, 4500 N
259	CHEMICAL- WATER	Irrigation Water	Total Solids	APHA 24th Edition, 2540 B
260	CHEMICAL- WATER	Irrigation Water	Total Suspended Solids	APHA 24th Edition, 2540 D
261	CHEMICAL- WATER	Irrigation Water	Turbidity	APHA 24th Edition, 2130 B
262	CHEMICAL- WATER	Irrigation Water	Volatile Solids	APHA 24th Edition, 2540 E
263	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	APHA 24th Edition, 5220 B
264	CHEMICAL- WATER	Surface Water	Ammoniacal Nitrogen	APHA 24th Edition, 4500 NH <sub>3</sub> -B,C
265	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand (3 Days at 27 °C)	IS 3025 (Part 44)
266	CHEMICAL- WATER	Surface Water	Boron (as B)	APHA 24th Edition, 4500 B-C
267	CHEMICAL- WATER	Surface Water	Calcium (as Ca)	APHA 24th Edition, 3500 Ca-B
268	CHEMICAL- WATER	Surface Water	Chloride (as Cl)	APHA 24th Edition, 4500 Cl-B
269	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part 4)
270	CHEMICAL- WATER	Surface Water	Conductivity at 25 °C	APHA 24th Edition, 2510 B
271	CHEMICAL- WATER	Surface Water	Cyanide (as CN)	APHA 24th Edition, 4500 CN-B,D
272	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 24th Edition, 4500 O-C
273	CHEMICAL- WATER	Surface Water	Fixed Solids	APHA 24th Edition, 2540 E



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274	CHEMICAL- WATER	Surface Water	Fluoride (as F)	APHA 24th Edition, 4500 F-D
275	CHEMICAL- WATER	Surface Water	Free Residual Chlorine	APHA 24th Edition, 4500 Cl-B
276	CHEMICAL- WATER	Surface Water	Hexavalent Chromium (Cr6+)	APHA 24th Edition, 3500 Cr-B
277	CHEMICAL- WATER	Surface Water	Iron (as Fe)	APHA 24th Edition, 3500 Fe-B
278	CHEMICAL- WATER	Surface Water	Magnesium (as Mg)	APHA 24th Edition, 3500 Mg-B
279	CHEMICAL- WATER	Surface Water	Nitrate (as NO3)	APHA 24th Edition, 4500 NO3-B
280	CHEMICAL- WATER	Surface Water	Nitrite (as NO2)	APHA 24th Edition, 4500 NO2-B
281	CHEMICAL- WATER	Surface Water	Odour	APHA 24th Edition, 2150 B
282	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA 24th Edition, 5520 B
283	CHEMICAL- WATER	Surface Water	pH at 25 °C	APHA 24th Edition, 4500 H+-B
284	CHEMICAL- WATER	Surface Water	Phenol (as C6H5OH)	APHA 24th Edition, 5530 D
285	CHEMICAL- WATER	Surface Water	Phosphate (as P)	APHA 24th Edition, 4500 P-D
286	CHEMICAL- WATER	Surface Water	Potassium (as K)	APHA 24th Edition, 3500 K-B
287	CHEMICAL- WATER	Surface Water	Silica (as SiO2)	APHA 24th Edition, 4500 SiO2-C
288	CHEMICAL- WATER	Surface Water	Sodium (as Na)	APHA 24th Edition, 3500 Na-B
289	CHEMICAL- WATER	Surface Water	Sulphate (as SO4)	APHA 24th Edition, 4500 SO4-2-E



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290	CHEMICAL- WATER	Surface Water	Sulphide (as S2-)	APHA 24th Edition, 4500 S-2-F
291	CHEMICAL- WATER	Surface Water	Sulphite (as SO3-2)	APHA 24th Edition, 4500 SO3-2-B
292	CHEMICAL- WATER	Surface Water	Temperature	APHA 24th Edition, 2550 B
293	CHEMICAL- WATER	Surface Water	Total Alkalinity (as CaCO3)	APHA 24th Edition, 2320 B
294	CHEMICAL- WATER	Surface Water	Total Dissolved Solids at 180 °C	APHA 24th Edition, 2540 C
295	CHEMICAL- WATER	Surface Water	Total Hardness (as CaCO3)	APHA 24th Edition, 2340 C
296	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen (as N)	APHA 24th Edition, 4500 N
297	CHEMICAL- WATER	Surface Water	Total Solids	APHA 24th Edition, 2540 B
298	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA 24th Edition, 2540 D
299	CHEMICAL- WATER	Surface Water	Turbidity	APHA 24th Edition, 2130 B
300	CHEMICAL- WATER	Surface Water	Volatile Solids	APHA 24th Edition, 2540 E
301	CHEMICAL- WATER	Water for Construction Purpose	Chloride (as Cl)	APHA 24th Edition, 4500 Cl-B
302	CHEMICAL- WATER	Water for Construction Purpose	pH at 25 °C	APHA 24th Edition, 4500 H+-B
303	CHEMICAL- WATER	Water for Construction Purpose	Sulphate (as SO4)	APHA 24th Edition, 4500 SO4-2-E