National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SPECTRO ANALYTICAL LABS PRIVATE LIMITED, PH. ENGINEERING STATE LAB, PALASUNI, PO. RASULGARH, BHUBANESWAR, KHORDHA, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 10/02/2022 to 15/04/2023 **Last Amended on** 23/03/2022

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
LOCATION 1-PH. ENGINEERING STATE LAB, PALASUNI, PO. RASULGARH, BHUBANESWAR, KHORDHA, ODISHA, INDIA Permanent Facility				
1	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water, Effluent Water, Treated water	Coliform	IS 15185
2	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water, Effluent Water, Treated water	Coliform	IS 1622
3	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water, Effluent Water, Treated water	E.Coli	IS 1622
4	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water, Effluent Water, Treated water	E.coli	IS: 15185
5	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water, Effluent Water, Treated water	Fecal Coliform	IS 1622
6	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water, Effluent Water, Treated water	Fecal Streptococci	IS 1622
7	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water, Effluent Water, Treated water	Fecal Streptococci	IS 15186
8	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water, Effluent Water, Treated water	Standard Plate Count	IS 1622
9	BIOLOGICAL- WATER	Drinking Water/ Ground water/ Surface water	Coliform	IS 1622
10	BIOLOGICAL- WATER	Drinking Water/ Ground water/ Surface water	Fecal Streptococci	IS 1622
11	BIOLOGICAL- WATER	Drinking Water/ Ground water/ Surface water	Coliform	IS: 15185
12	BIOLOGICAL- WATER	Drinking Water/ Ground water/ Surface water	E. Coli	IS 15185
13	BIOLOGICAL- WATER	Drinking Water/ Ground water/ Surface water	E.coli	IS 1622
14	BIOLOGICAL- WATER	Drinking Water/ Ground water/ Surface water	Fecal Streptococci	IS 15186
15	BIOLOGICAL- WATER	Drinking Water/ Ground water/ Surface water	Hepatitis A Virus	SOP/MIC/00 section no.04 Issue no.1 dated 21.01.2020
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Aluminium (as Al)	IS 3025 (Part 2)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Ammonical Nitrogen (as Total Ammonia N)	IS 3025 (Part 34)-(clause 2.5)

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18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Barium (as Ba)	IS 3025 (Part 2)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Biochemical Oxygen Demand	IS: 3025 (Part 44)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Boron (as B)	IS 3025 (Part 2)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Cadmium(as Cd)	APHA 23rd Edition 3113 B, 3030 B
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Calcium (as Ca)	IS 3025 (Part 40)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Chemical Oxygen Demand	Open reflux method, IS 3025 (Part 58)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Chloride (as Cl)	IS 3025 (Part 32)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Colour	APHA(23rd Edition) 2120 (C)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Copper (as Cu)	IS 3025 (Part 2)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Cyanide	IS 3025 (Part 27)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Dissolved Oxygen	IS 3025 (Part 38)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Electrical Conductivity	IS: 3025 (Part 14)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Free Residual Chlorine	APHA 4500-B:23rd Ed
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Hexavalent Chromium (Cr 6+)	IS 3025 (Part 52)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Iron (as Fe)	APHA 3500 Fe-B- (23rd Edition)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Lead (as Pb)	IS 3025 (Part 47)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Magnesium (as Mg)	IS 3025 (Part 46)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Manganese (as Mn)	IS 3025 (Part 2)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Mercury (as Hg)	APHA 23rd Edition 3112

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37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Nickel(as Ni)	IS 3025 (Part 2)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Nitrate (as NO3)	APHA (23rd Edition)4500 N - NO3- (B)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Nitrite	IS: 3025 (Part 34)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Odor	IS 3025 (Part 5)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Oil & Grease	APHA (23rd Edition) 5520 (B)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	pH Value	IS 3025 (Part 11)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Potassium (as K)	IS 3025 (Part 45)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Selenium (as Se)	APHA (23rd Edition)3030 F, 3114
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Silver (as Ag)	IS 3025 (Part 2)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Sodium (as Na)	IS 3025 (Part 45)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Sulphate	IS 3025 (Part 24)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Sulphide (as H2S)	IS 3025 (Part 29)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Acidity	IS 3025 (Part 22)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Alkalinity	IS 3025 (Part 23)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Arsenic (as As)	APHA 23rd Edition 3030 F, 3114 :
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Chromium (as Cr)	IS 3025 (Part 2)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Dissolved Solids	IS 3025 (Part 16)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Kjeldahl Nitrogen	APHA 4500 N (ORG) B

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56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Organic Carbon	USEPA 415.3
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Phosphate	IS 3025 (Part 31)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Phosphate	APHA (23rd Edition) 4500-P (C):
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Solids	IS 3025 (Part 18)
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Total Suspended Solids	IS 3025 (Part 17)
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Turbidity	IS 3025 (Part 10)
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent Water, Treated water	Zinc (as Zn)	IS 3025 (Part 49)
63	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Barium (as Ba)	IS 3025 (Part 2)
64	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Molybdenum (as Mo)	IS 3025 (Part 2)
65	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Residual Free Chlorine	IS 3025 (Part 26)
66	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Aluminum (as Al)	IS 3025 (Part 2)
67	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Ammonical Nitrogen (as Total Ammonia-N)	IS 3025 (Part 34)
68	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Boron (as B)	IS 3025 (Part 2)
69	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Cadmium (as Cd)	APHA (23rd Edition) 3113 B, 3030 B
70	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Calcium (as Ca)	IS 3025 (Part 40)
71	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Carbonate & Bicarbonate	IS 3025 (Part 51) (Cl.9)
72	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Chlorides (as Cl)	IS 3025 (Part 32)
73	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Colour	APHA(23rd Edition) 2120 (C)
74	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Copper (as Cu)	IS 3025 (Part 2)

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75	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Cyanide	IS 3025 (Part 27)
76	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Dissolve Oxygen	IS 3025 (Part 38)
77	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Electrical Conductivity	IS 3025 (Part 14)
78	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Fecal Coliform	IS 1622
79	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Fluoride (as F)	APHA(23rd Edition)4500 F - (D
80	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Hexavalent Chromium (Cr 6+)	IS 3025 (Part 52) (Cl.7)
81	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Iron (as Fe)	IS 3025 (Part 53)
82	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Lead (as Pb)	IS 3025 (Part 47) (Cl.7)
83	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Magnesium (as Mg)	APHA (23rd Edition)3500-Mg (B)
84	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Manganese (Mn)	IS 3025 (Part 59) (Cl.5)
85	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Mercury (as Hg)	APHA (23rd Edition) 3500Hg
86	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Nickel (as Ni)	IS 3025 (Part 2)
87	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Nitrate as NO3	APHA (23rd Edition)4500 N - NO3- (B)-
88	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Nitrite (as N)	IS 3025 (Part 34)
89	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Odour	IS 3025 (Part 5)
90	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	pH Value	IS 3025 (Part 11)
91	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Potassium (as K)	IS 3025 (Part 45) (Cl.5 & 6)
92	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Selenium (as Se)	APHA (23rd Edition) 3030 F, 3114
93	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Silica	IS 3025 (Part 35)

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94	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Silver (as Ag)	IS 3025 (Part 2)
95	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Sodium (as Na)	IS 3025 (Part 45)
96	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Standard Plate Count	IS 1622
97	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Sulphate	IS 3025 (Part 24)
98	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Sulphide (as H2S)	IS 3025 (Part 29) (Cl. 3)
99	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Taste	IS 3025 (Part 8)
100	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23)
101	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Total Arsenic (as As)	APHA(23rd Edition) 3030 F, 3114
102	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Total Chromium (as Cr)	IS 3025 (Part 2)
103	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Total Dissolved Solids	IS 3025 (Part 16)
104	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
105	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Total Organic Carbon	USEPA 415.3
106	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Total Phosphate	APHA (23rd Edition)4500- P (C)
107	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Total Suspended Solids	IS 3025 (Part 17)
108	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Turbidity	IS 3025 (Part 10)
109	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Zinc (as Zn)	IS 3025 (Part 2)
110	CHEMICAL- WATER	Reagent Grade Water	Colour retention of KMnO4	IS 1070
111	CHEMICAL- WATER	Reagent Grade Water	pH Value	IS 3025 (Part 11)
112	CHEMICAL- WATER	Reagent Grade Water	Silica	IS 3025 (Part 35)
113	CHEMICAL- WATER	Reagent Grade Water	Specific Conductivity	IS 3025 (Part 14)

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114	CHEMICAL- WATER	Reagent Grade Water	Total Solids/Non Volatile Residue	IS 3025 (Part 18)

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LOCATION 2 - PH RENT-SUB DIVISION, SATYANAGAR, BHUBANESWAR, KHORDHA, ODISHA, INDIA Permanent Facility				
1	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Waster, Effluent Water, Treated water	Coliform	IS 15185
2	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Waster, Effluent Water, Treated water	Coliform	IS 1622
3	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Waster, Effluent Water, Treated water	E. Coli	IS 15185
4	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Waster, Effluent Water, Treated water	E. Coli	IS 1622
5	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Waster, Effluent Water, Treated water	Fecal Streptococci	IS 1622
6	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Waster, Effluent Water, Treated water	Fecal Streptococci	IS15186
7	BIOLOGICAL- WATER	Drinking Water/Ground water/ Surface water	Coliform	IS 15185
8	BIOLOGICAL- WATER	Drinking Water/Ground water/ Surface water	Coliform	IS: 1622
9	BIOLOGICAL- WATER	Drinking Water/Ground water/ Surface water	E. Coli	IS 15185
10	BIOLOGICAL- WATER	Drinking Water/Ground water/ Surface water	E. Coli	IS 1622
11	BIOLOGICAL- WATER	Drinking Water/Ground water/ Surface water	Fecal Streptococci	IS 15186
12	BIOLOGICAL- WATER	Drinking Water/Ground water/ Surface water	Fecal Streptococci	IS 1622
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	Biochemical Oxygen Demand	IS 3025 (Part 44)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	Chemical Oxygen Demand	IS 3025 (Part 58)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	Dissolved Oxygen	IS 3025 (Part 38)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	Oil & Grease	APHA (23rd Edition) 5520 (B)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	pH Value	IS 3025 (Part 11)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	Total Suspended Solids	IS 3025 (Part 17)

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19	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Ammonical Nitrogen	IS 3025 (Part 34) (Cl. 2.3)
20	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Calcium (as Ca)	IS 3025 (Part 40)
21	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Chlorides (as Cl)	IS 3025 (Part 32)
22	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Colour	APHA(23rd Edition) 2120 C-
23	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Dissolve Oxygen	IS 3025 (Part 38)
24	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Electrical Conductivity	IS 3025 (Part 14)
25	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Fluoride (as F)	APHA(23rd Edition)4500 F - (D)
26	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Iron (as Fe)	IS 3025 (Part 53)
27	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Magnesium (as Mg)	APHA (23rd Edition)3500-Mg (B)
28	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Nitrate as NO3	APHA (23rd Edition)4500 N - NO3- (B)-
29	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Nitrite (as N)	IS 3025 (Part 34)
30	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Odour	IS:3025 (P-5)
31	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	pH Value	IS 3025 (P-11)
32	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Potassium (as K)	IS 3025 (Part 45) (Cl.5 & 6)
33	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Silica	IS 3025 (Part 35)
34	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Sodium (as Na)	IS 3025 (Part 45)
35	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Sulphate	IS 3025 (Part 24)
36	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Sulphide (as H2S)	IS 3025 (Part 29) (Cl. 3)
37	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Taste	IS 3025 (Part 8)

SCOPE OF ACCREDITATION

Laboratory Name :	SPECTRO ANALYTICAL LABS PRIVATE LIMITED, PH. ENGINEERING STATE LAB, PALASUNI, PO. RASULGARH, BHUBANESWAR, KHORDHA, ODISHA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9428	**Page No**	10 of 10
Validity	10/02/2022 to 15/04/2023	**Last Amended on**	23/03/2022

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
38	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23)
39	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Total Dissolved Solids	IS 3025 (Part 16)
40	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
41	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Total Phosphate	APHA (23rd Edition)4500- P (C
42	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Total Suspended Solids	IS 3025 (Part 17)
43	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/ Ground water/ Surface water	Turbidity	IS 3025 (Part 10)
44	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water / Packaged Natural Mineral Water/Ground water/ Surface water	Residual Free Chlorine	IS 3025 (Part 26)

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.