National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	PRAGYAN TESTING LABORATORY, CHINTA NIKETAN, STREET NO. - 3, VIKAS NAGAR, SANDALPUR ROAD, PATNA, BIHAR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8786	**Page No**	1 of 7
Validity	26/12/2021 to 25/12/2023	**Last Amended on**	17/01/2022

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
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia as NH3	IS 5182 (Part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead (Pb)	IS 5182 (Part 22)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel (Ni)	IS 5182 (Part 26)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (as NO2)	IS 5182 (Part 6)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (O3)	IS 5182 (Part 9)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM2.5)	PTL-SOP-01, CPCB Guideline 2011
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable Particulate Matter (PM10)	IS 5182 (Part 23)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulpher dioxide (as SO2)	IS 5182 (Part 2)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels	Ambient Noise Leq	IS 9989
10	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise	Source Noise	IS 4758:1968
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide	IS 13270:1992
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide	IS 13270 : 1992
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Nitrogen Oxides (NOx)	IS 11255 (Part 7)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen	IS 13270 : 1992
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 (Part 1)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide	IS 11255 (Part 2)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water/Sewage water	Biological Oxygen Demand	IS 3025 (Part 44)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water/Sewage water	Chemical Oxygen Demand	IS 3025 (Part 58)

SCOPE OF ACCREDITATION

Laboratory Name :	PRAGYAN TESTING LABORATORY, CHINTA NIKETAN, STREET NO. - 3, VIKAS NAGAR, SANDALPUR ROAD, PATNA, BIHAR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8786	**Page No**	2 of 7
Validity	26/12/2021 to 25/12/2023	**Last Amended on**	17/01/2022

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
19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water/Sewage water	pH	IS 3025 (Part 11)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water/Sewage water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent Water/Sewage water	Total Suspended Solids	IS 3025 (Part 17)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture Content	IS 2720 (Part 2)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter	IS 2720 (Part 22)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS 2720 (Part 26)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Specific Electrical Conductivity	IS 14767: 2000
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Sulphate	IS 2720 (Part 27)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	DO (Dissolved Oxygen)	IS:3025 (Part 38)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Nitrate as NO3	IS 3025 (Part 34)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Oil & Grease	IS 3025 (Part-39)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Kjeldahl Nitrogen (TKN)	IS 3025 (Part-34)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen	IS 3025 (Part 34)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Boron	IS 3025 (Part 57)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium (as Ca)	IS 3025 (Part 40)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride (as Cl)	IS 3025 (Part 32)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Colour	IS 3025 (Part 4)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Conductivity	IS 3025 (Part 14)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluoride (as F)	IS 3025 (Part 60)

SCOPE OF ACCREDITATION

Laboratory Name :	PRAGYAN TESTING LABORATORY, CHINTA NIKETAN, STREET NO. - 3, VIKAS NAGAR, SANDALPUR ROAD, PATNA, BIHAR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8786	**Page No**	3 of 7
Validity	26/12/2021 to 25/12/2023	**Last Amended on**	17/01/2022

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- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Free residual chlorine	IS 3025 (Part 26)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Iron (as Fe)	IS 3025 (Part 53)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium (as Mg)	IS 3025 (Part 46)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Odour	IS 3025 (Part 5)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phosphate (as PO4)	IS 3025 (Part 31)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphate ((as SO4)	IS 3025 (Part 24)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solid	IS 3025 (Part 16)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness (as CaCO3)	IS 3025 (Part 21)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbidity	IS 3025 (Part 10)
47	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Arsenic as As	IS 3025 (Part-37)
48	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Cadmium as Cd	IS 3025 (Part-41)
49	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Chromium (as Cr)	IS 3025 (Part 52)
50	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Copper (as Cu)	IS 3025 (Part 42)
51	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Lead (as Pb)	IS 3025 (Part 42)
52	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Manganese (as Mn)	IS 3025 (Part 59)
53	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Mercury (as Hg)	IS 3025 (Part 48)
54	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Nickel (as Ni)	IS 3025 (Part 54)
55	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Zinc (as Zn)	IS 3025 (Part 49)
56	CHEMICAL- WATER	Construction Water	Chloride (as Cl)	IS 3025 (Part 32)
57	CHEMICAL- WATER	Construction Water	pH	IS 3025 Part 11

SCOPE OF ACCREDITATION

Laboratory Name :	PRAGYAN TESTING LABORATORY, CHINTA NIKETAN, STREET NO. - 3, VIKAS NAGAR, SANDALPUR ROAD, PATNA, BIHAR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8786	**Page No**	4 of 7
Validity	26/12/2021 to 25/12/2023	**Last Amended on**	17/01/2022

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
58	CHEMICAL- WATER	Construction Water	Sulphate (as SO3)	IS 3025 (Part 24)
59	CHEMICAL- WATER	Construction Water	Total Inorganic Matter	IS 3025 (Part 18)
60	CHEMICAL- WATER	Construction Water	Total Organic Matter	IS 3025 (Part 18)
61	CHEMICAL- WATER	Construction Water	Total suspended Solid	IS 3025 (Part 17)
62	CHEMICAL- WATER	Construction Water	Volume of 100 ml sample used to neutralize 0.02 N H2SO4, using mixed indicator (alkalinity)	IS 3025 (Part 23)
63	CHEMICAL- WATER	Construction Water	Volume of 100 ml sample used to neutralize 0.02 N NaOH, using phenolphthalein Indicator	IS 3025 (Part 22)
64	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	IS 3025 (Part 34)
65	CHEMICAL- WATER	Drinking Water	Biological Oxygen Demand	IS 3025 (Part 44)
66	CHEMICAL- WATER	Drinking Water	Boron	IS 3025 (Part 57)
67	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	IS 3025 (Part 40)
68	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand	IS 3025 (Part 58)
69	CHEMICAL- WATER	Drinking Water	Chloride (as Cl)	IS 3025 (Part 32)
70	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
71	CHEMICAL- WATER	Drinking Water	Conductivity	IS 3025 (Part 14)
72	CHEMICAL- WATER	Drinking Water	DO (Dissolved Oxygen)	IS:3025 (Part 38)
73	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	IS 3025 (Part 60)
74	CHEMICAL- WATER	Drinking Water	Free residual chlorine	IS 3025 (Part 26)
75	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	IS 3025 (Part 53)
76	CHEMICAL- WATER	Drinking Water	Magnesium Hardness (as Mg)	IS 3025 (Part 46)
77	CHEMICAL- WATER	Drinking Water	Nitrate (as NO3)	IS 3025 (Part 34)
78	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
79	CHEMICAL- WATER	Drinking Water	Oil & Grease	IS 3025 (Part 39)
80	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
81	CHEMICAL- WATER	Drinking Water	Phosphate (as PO4)	IS 3025 (Part 31)
82	CHEMICAL- WATER	Drinking Water	Sulphate ((as SO4)	IS 3025 (Part 24)
83	CHEMICAL- WATER	Drinking Water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23)
84	CHEMICAL- WATER	Drinking Water	Total Dissolved Solid	IS 3025 (Part 16)

SCOPE OF ACCREDITATION

Laboratory Name :	PRAGYAN TESTING LABORATORY, CHINTA NIKETAN, STREET NO. - 3, VIKAS NAGAR, SANDALPUR ROAD, PATNA, BIHAR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8786	**Page No**	5 of 7
Validity	26/12/2021 to 25/12/2023	**Last Amended on**	17/01/2022

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
85	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS 3025 Part 21
86	CHEMICAL- WATER	Drinking Water	Total Kjeldahl Nitrogen (TKN)	IS 3025 (Part 34)
87	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025 (Part 17)
88	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
89	CHEMICAL- WATER	Ground Water	Biological Oxygen Demand	IS 3025 (Part 44)
90	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	IS 3025 (Part 58)
91	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part 4)
92	CHEMICAL- WATER	Ground Water	Fluoride (as F)	IS 3025 (Part 60)
93	CHEMICAL- WATER	Ground Water	Free residual chlorine	IS 3025 (Part 26)
94	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen	IS 3025 (Part 34)
95	CHEMICAL- WATER	Ground Water	Boron	IS 3025 (Part 57)
96	CHEMICAL- WATER	Ground Water	Calcium (as Ca)	IS 3025 (Part 40)
97	CHEMICAL- WATER	Ground Water	Chloride (as Cl)	IS 3025 (Part 32)
98	CHEMICAL- WATER	Ground Water	Conductivity	IS 3025 (Part 14)
99	CHEMICAL- WATER	Ground Water	DO (Dissolved Oxygen)	IS:3025 (Part 38)
100	CHEMICAL- WATER	Ground Water	Iron (as Fe)	IS 3025 (Part 53)
101	CHEMICAL- WATER	Ground Water	Magnesium Hardness (as Mg)	IS 3025 (Part 46)
102	CHEMICAL- WATER	Ground Water	Nitrate (as NO3)	IS 3025 (Part 34)
103	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 5)
104	CHEMICAL- WATER	Ground Water	Oil & Grease	IS 3025 (Part 39)
105	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
106	CHEMICAL- WATER	Ground Water	Phosphate (as PO4)	IS 3025 (Part 31)
107	CHEMICAL- WATER	Ground Water	Sulphate ((as SO4)	IS 3025 (Part 24)
108	CHEMICAL- WATER	Ground Water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23)
109	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
110	CHEMICAL- WATER	Ground Water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
111	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen (TKN)	IS 3025 (Part 34)
112	CHEMICAL- WATER	Ground Water	Total Suspended Solids	IS 3025 (Part 17)
113	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
114	CHEMICAL- WATER	Industrial Water	Chloride (as Cl)	IS 3025 (Part 32)

SCOPE OF ACCREDITATION

Laboratory Name :	PRAGYAN TESTING LABORATORY, CHINTA NIKETAN, STREET NO. - 3, VIKAS NAGAR, SANDALPUR ROAD, PATNA, BIHAR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8786	**Page No**	6 of 7
Validity	26/12/2021 to 25/12/2023	**Last Amended on**	17/01/2022

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
115	CHEMICAL- WATER	Industrial Water	pH	IS 3025 (Part 11)
116	CHEMICAL- WATER	Industrial Water	Sulphate ((as SO4)	IS 3025 (Part 24)
117	CHEMICAL- WATER	Industrial Water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23)
118	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	IS 3025 (Part 17)
119	CHEMICAL- WATER	Irrigation Water	Chloride (as Cl)	IS 3025 (Part 32)
120	CHEMICAL- WATER	Irrigation Water	Conductivity	IS 3025 (Part 14)
121	CHEMICAL- WATER	Irrigation Water	pH	IS 3025 (Part 11)
122	CHEMICAL- WATER	Irrigation Water	Sulphate (as SO4)	IS 3025 (Part 24)
123	CHEMICAL- WATER	Irrigation Water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23)
124	CHEMICAL- WATER	Surface Water	Nitrate as NO3	IS 3025 (Part 34)
125	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen	IS 3025 (Part 34)
126	CHEMICAL- WATER	Surface Water	Biological Oxygen Demand	IS 3025 (Part 44)
127	CHEMICAL- WATER	Surface Water	Boron	IS 3025 (Part 57)
128	CHEMICAL- WATER	Surface Water	Calcium Hardness (as Ca)	IS 3025 (Part 40)
129	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 (Part 58)
130	CHEMICAL- WATER	Surface Water	Chloride (as Cl)	IS 3025 (Part 32)
131	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part 4)
132	CHEMICAL- WATER	Surface Water	Conductivity	IS 3025 (Part 14)
133	CHEMICAL- WATER	Surface Water	DO (Dissolved Oxygen)	IS 3025 (Part 38)
134	CHEMICAL- WATER	Surface Water	Fluoride (as F)	IS 3025 (Part 60)
135	CHEMICAL- WATER	Surface Water	Free residual chlorine	IS 3025 (Part 26)
136	CHEMICAL- WATER	Surface Water	Iron (as Fe)	IS 3025 (Part 53)
137	CHEMICAL- WATER	Surface Water	Magnesium Hardness (as Mg)	IS 3025 (Part 46)
138	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part 6)
139	CHEMICAL- WATER	Surface Water	Oil & Grease	IS 3025 (Part 39)
140	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part 11)
141	CHEMICAL- WATER	Surface Water	Phosphate (as PO4)	IS 3025 (Part 31)
142	CHEMICAL- WATER	Surface Water	Sulphate ((as SO4)	IS 3025 (Part 24)
143	CHEMICAL- WATER	Surface Water	Temperature	IS 3025 (Part-9)
144	CHEMICAL- WATER	Surface Water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23)

SCOPE OF ACCREDITATION

Laboratory Name :	PRAGYAN TESTING LABORATORY, CHINTA NIKETAN, STREET NO. - 3, VIKAS NAGAR, SANDALPUR ROAD, PATNA, BIHAR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8786	**Page No**	7 of 7
Validity	26/12/2021 to 25/12/2023	**Last Amended on**	17/01/2022

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
145	CHEMICAL- WATER	Surface Water	Total Dissolved Solid	IS 3025 (Part 16)
146	CHEMICAL- WATER	Surface Water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
147	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen (TKN)	IS 3025 (Part 34)
148	CHEMICAL- WATER	Surface Water	Total Suspended Solids	IS 3025 (Part 17)
149	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)