National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SCIENTIFIC RESEARCH LABORATORY, C-144, AMAN GREEN CITY, PUNDAG, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11163 **Page No** 1 of 5

Validity 17/11/2022 to 16/11/2024 **Last Amended on** 08/12/2022

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	Arsenic as As	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead as Pb	IS 5182 (Part 22)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel as Ni	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Oxides as NO2	IS 5182 (Part 6)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone as O3	CPCB, Volume I (NAAQMS Monitoring & Analysis Guidelines)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter as PM10	IS 5182 (Part 23)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter as PM2.5	IS 5182 (Part 24)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Oxides as SO2	IS 5182 (Part 2)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise (Leq, Lmax, Lmin)	IS 9989
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Source Noise	IS 4758
12	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Carbon Dioxide as CO2	IS 13270
13	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Carbon Monoxide as CO	IS 13270
14	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Nitrogen Oxides as NOX	IS 11255 (Part 7)
15	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Oxygen as O2	IS 13270
16	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Particulate Matter	IS 11255 (Part I)
17	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Sulphur Dioxide as SO2	IS 11255 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : SCIENTIFIC RESEARCH LABORATORY, C-144, AMAN GREEN CITY, PUNDAG, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11163 **Page No** 2 of 5

Validity 17/11/2022 to 16/11/2024 **Last Amended on** 08/12/2022

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
18	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Temperature	IS 11255 (Part 3)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Acidity	APHA 23rd Edition 2310 B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Alkalinity	APHA 23rd Edition 2320 B
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonical Nitrogen	APHA 23rd Edition 4500 NH3-B C & F
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Arsenic as As	APHA 23rd Edition 3500 As-B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen Demand as BOD (03 days at 27 °C)	IS 3025 (Part 44)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as CaCO3	APHA 23rd Edition 3500 Ca-B
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand as COD	IS 3025 (Part 58)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride	APHA 23rd Edition 4500 Cl-B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	APHA 23rd Edition 2510 B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	APHA 23rd Edition 4500 O-C
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fixed & Volatile Solids	APHA 23rd Edition 2540 E
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA 23rd Edition 3500 Fe-B
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA 23rd Edition 5220 B
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA 23rd Edition 4500-H+ B
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate	APHA 23rd Edition 4500-P D
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium as K	APHA 23rd Edition 3500-K B
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Settleable Solids	APHA 23rd Edition 2540 F
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium as Na	APHA 23rd Edition 3500-Na B

SCOPE OF ACCREDITATION

Laboratory Name : SCIENTIFIC RESEARCH LABORATORY, C-144, AMAN GREEN CITY, PUNDAG, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11163 **Page No** 3 of 5

Validity 17/11/2022 to 16/11/2024 **Last Amended on** 08/12/2022

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
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate	APHA 23rd Edition 4500-SO42 E
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	APHA 23rd Edition 2540 C
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	APHA 23rd Edition 2540 B
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	APHA 23rd Edition 2540 D
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	APHA 23rd Edition 2130 B
43	CHEMICAL- WATER	Ground Water	Acidity	APHA 23rd Edition 2310 B
44	CHEMICAL- WATER	Ground Water	Alkalinity	APHA 23rd Edition 2320 B
45	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen	APHA 23rd Edition 4500 NH3-B C & F
46	CHEMICAL- WATER	Ground Water	Calcium as CaCO3	APHA 23rd Edition 3500-Ca B
47	CHEMICAL- WATER	Ground Water	Chloride	APHA 23rd Edition 4500-Cl B
48	CHEMICAL- WATER	Ground Water	Conductivity	APHA 23rd Edition 2510 B
49	CHEMICAL- WATER	Ground Water	Copper as Cu	APHA 23rd Edition 3500-Cu B
50	CHEMICAL- WATER	Ground Water	Fluoride	APHA 23rd Edition 4500-F B & D
51	CHEMICAL- WATER	Ground Water	Iron as Fe	APHA 23rd Edition 3500-Fe B
52	CHEMICAL- WATER	Ground Water	Magnesium as CaCO3	APHA 23rd Edition, 3500 Mg B
53	CHEMICAL- WATER	Ground Water	Manganese as Mn	APHA 23rd Edition 3500-Mn B
54	CHEMICAL- WATER	Ground Water	Nitrate Nitrogen	APHA 23rd Edition 4500 NO3-B E
55	CHEMICAL- WATER	Ground Water	Nitrite Nitrogen	APHA 23rd Edition 4500 NO2-B
56	CHEMICAL- WATER	Ground Water	pH	APHA 23rd Edition 4500-H+ B
57	CHEMICAL- WATER	Ground Water	Phosphate	APHA 23rd Edition 4500-P D
58	CHEMICAL- WATER	Ground Water	Potassium as K	APHA 23rd Edition 3500-K B
59	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA 23rd Edition 3500-Na B
60	CHEMICAL- WATER	Ground Water	Sulphate	APHA 23rd Edition 4500-SO42 E

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SCIENTIFIC RESEARCH LABORATORY, C-144, AMAN GREEN CITY, PUNDAG, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11163 **Page No** 4 of 5

Validity 17/11/2022 to 16/11/2024 **Last Amended on** 08/12/2022

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
61	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA 23rd Edition 2540 C
62	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
63	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen	APHA 23rd Edition 4500 NH3-B C & D and 4500-Norg B
64	CHEMICAL- WATER	Ground Water	Total Solids	APHA 23rd Edition 2540 B
65	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA 23rd Edition 2540 D
66	CHEMICAL- WATER	Ground Water	Zinc as Zn	APHA 23rd Edition 3500-Zn B
67	CHEMICAL- WATER	Surface Water	Acidity	APHA 23rd Edition 2310 B
68	CHEMICAL- WATER	Surface Water	Alkalinity	APHA 23rd Edition 2320 B
69	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen	APHA 23rd Edition 4500-NH3 B
70	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand as BOD (03 days at 27 °C)	IS 3025 (Part 44)
71	CHEMICAL- WATER	Surface Water	Calcium as CaCO3	APHA 23rd Edition 3500-Ca B
72	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand as COD	IS 3025 (Part 58)
73	CHEMICAL- WATER	Surface Water	Chloride	APHA 23rd Edition 4500-Cl B
74	CHEMICAL- WATER	Surface Water	Chlorine (Residual)	APHA 23rd Edition 4500-Cl B
75	CHEMICAL- WATER	Surface Water	Colour	APHA 23rd Edition 2120 B
76	CHEMICAL- WATER	Surface Water	Conductivity	APHA 23rd Edition 2510 B
77	CHEMICAL- WATER	Surface Water	Copper as Cu	APHA 23rd Edition 3500-Cu B
78	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 23rd Edition 4500-O C
79	CHEMICAL- WATER	Surface Water	Fluoride	APHA 23rd Edition 4500-F D
80	CHEMICAL- WATER	Surface Water	Iron as Fe	APHA 23rd Edition 3500-Fe B
81	CHEMICAL- WATER	Surface Water	Magnesium as CaCO3	APHA 23rd Edition, 3500 Mg B
82	CHEMICAL- WATER	Surface Water	Manganese as Mn	APHA 23rd Edition 3500-Mn B
83	CHEMICAL- WATER	Surface Water	Nitrate Nitrogen	APHA 23rd Edition 4500-NO3 B
84	CHEMICAL- WATER	Surface Water	Nitrite Nitrogen	APHA 23rd Edition 4500-NO2 B
85	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA 23rd Edition 5220 B
86	CHEMICAL- WATER	Surface Water	pH	APHA 23rd Edition 4500-H+ B
87	CHEMICAL- WATER	Surface Water	Phosphate	APHA 23rd Edition 4500-P D
88	CHEMICAL- WATER	Surface Water	Potassium as K	APHA 23rd Edition 3500-K B
89	CHEMICAL- WATER	Surface Water	Sodium as Na	APHA 23rd Edition 3500-Na B

SCOPE OF ACCREDITATION

Laboratory Name : SCIENTIFIC RESEARCH LABORATORY, C-144, AMAN GREEN CITY, PUNDAG, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11163 **Page No** 5 of 5

Validity 17/11/2022 to 16/11/2024 **Last Amended on** 08/12/2022

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
90	CHEMICAL- WATER	Surface Water	Sulphate	APHA 23rd Edition 4500-SO42 E
91	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	APHA 23rd Edition 2540 C
92	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
93	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen	APHA 23rd Edition 4500 NH3-B C & D and 4500 Norg-B
94	CHEMICAL- WATER	Surface Water	Total Solids	APHA 23rd Edition 2540 B
95	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA 23rd Edition 2540 D
96	CHEMICAL- WATER	Surface Water	Turbidity	APHA 23rd Edition 2130 B
97	CHEMICAL- WATER	Surface Water	Zinc as Zn	APHA 23rd Edition 3500-Zn B