National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, TELANGANA STATE POLLUTION CONTROL BOARD, PARYAVARANA BHAVAN, A-III, INDUSTRIAL ESTATE, SANATHNAGAR, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 20/07/2021 to 19/07/2023 **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 Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ammonia as NH3	CL/TSPCB/SOP/AIR/04; Version No.02, Issue date:02.01.2015
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Lead as Pb (in particulate phase)	IS ; 5182 (Part - 22)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Oxides of Nitrogen(NO2)	IS 5182(Part6)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate matter size less than 2.5 microns(PM2.5)	USEPA Quallity Assurance Hand Book, Vol. II, Part II, Quality Assurance guidance Document 2.12
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Respirable Particulate matter(PM10)	IS 5182(Part 23)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur Dioxide(SO2)	IS 5182 (Part 2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon dioxide (CO2)	CL/TSPCB/SOP/SM2/06), Version No.01, Issue date:06.02.2017
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen (NO2)	CL/TSPCB/SOP/SM1/05) Version No.01, Issue date:06.02.2017
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur Dioxide(SO2)	IS 11255(Part 2)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Suspended Particulate Matter	IS 11255(Part 1)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Ammonical Nitrogen as NH3-N	4500-NH3 C,APHA 23rd Edition
12	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Biological Oxygen demand(BOD)	IS: 3025 (Part 44)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Calcium as Ca	3500-Ca B, APHA 23rd Edition
14	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Chemical Oxygen Demand(COD)	5220 B, APHA, 23rd Edition
15	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Chlorides as Cl-	4500-Cl- B, APHA 23rd Edition
16	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Conductivity at 25 0 C	2510 B, APHA 23rd Edition
17	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Cyanide as CN-	4500-CN -E, APHA 23rd Edition 23rd Edition, 23rd Edition

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18	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Fixed Solids ignited at 550 Deg C	2540 E, APHA 23rd Edition
19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Flourides as F	4500-F B, D, APHA 23rd Edition
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Magnesium as Mg	3500-Mg B, APHA 3rd Edition
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Nitrates as NO3-	4500-NO3 B, APHA 23rd Edition
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Nitrite as NO2-	4500-NO2 B, APHA 23rd Edition
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Oil and Grease	5520-B, APHA 23rd edition
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	pH at 25 oC	4500-H+ B, APHA 23rd Edition
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Phenolic Compounds as C6H5OH	5530 D, APHA, 23rd Edition
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Phosphorous as P	4500-P B, D APHA 23rd Edition
27	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Potassium as K	3500-K B, APHA 23rd Edition
28	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Sodium as Na	3500-Na B, APHA 23rd Edition
29	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Sulphates as SO4-2	4500-SO4-2 E, APHA 23rd Edition
30	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Sulphide as S2-	4500-S2- D, APHA 23rd Edition
31	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Total Alkalinaty as CacO3	2320 B, APHA 23rd Edition
32	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Total Dissolved Solids	2540 C, APHA 23rd Edition:
33	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Total Hardness as CaCO3	2340 C, APHA,23rd Edition
34	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Total Kjeldahl Nitrogen (TKN)	4500-Norg B, APHA 23rd Edition
35	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Total Suspended solids	2540 - D,APHA 23rd Edition
36	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents	Turbidity	2130 B, APHA 23rd Edition

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37	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste, Solid Waste, Sludge and Soil(Total)	Arsenic as As	USEPA 3051 A / 7061A
38	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste, Solid Waste, Sludge and Soil(Total)	Barium as Ba	USEPA 3050 B / 3051A/ 7000B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste, Solid Waste, Sludge and Soil(Total)	cadmium as Cd	USEPA 3050 B / 3051 A / 7000B
40	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste, Solid Waste, Sludge and Soil(Total)	Chromium as Cr	USEPA 3050 B / 3051A/ 7000B
41	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste, Solid Waste, Sludge and Soil(Total)	Copper as Cu	USEPA 3050 B/ 3051A/ 7000B
42	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste, Solid Waste, Sludge and Soil(Total)	Hexavalent Chromium as Cr6+	USEPA 3060A/ 7196A
43	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste, Solid Waste, Sludge and Soil(Total)	Lead as pb	USEPA 3050 B/3051A/7000B
44	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste, Solid Waste, Sludge and Soil(Total)	Mercury as Hg	USEPA 3051 A/ SW846,7471B
45	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste, Solid Waste, Sludge and Soil(Total)	Nickel as Ni	USEPA 3050 B/3051A/7000B
46	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste, Solid Waste, Sludge and Soil(Total)	Zinc as Zn	USEPA 3050 B/3051A/7000B
47	CHEMICAL- POLLUTION & ENVIRONMENT	TCLP Extract Elements	Arsenic as As	USEPA 1311 /7061A
48	CHEMICAL- POLLUTION & ENVIRONMENT	TCLP Extract elements	Barium as Ba	USEPA 1311 /7000B
49	CHEMICAL- POLLUTION & ENVIRONMENT	TCLP Extract Elements	Cadmium as Cd	USEPA 1311 /7000B
50	CHEMICAL- POLLUTION & ENVIRONMENT	TCLP Extract Elements	Chromium as Cr	USEPA 1311 /7000B
51	CHEMICAL- POLLUTION & ENVIRONMENT	TCLP Extract Elements	Lead as Pb	USEPA 1311/ 7000B
52	CHEMICAL- POLLUTION & ENVIRONMENT	TCLP Extract Elements	Mercury as Hg	USEPA 1311 /7471B
53	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Arsenic as As	3113 B, APHA / 3114 B, 23rd Edition
54	CHEMICAL- RESIDUES IN WATER	Ground water and surface water	Barium as Ba	3113 B, APHA
55	CHEMICAL- RESIDUES IN WATER	Ground water and surface water	Cadmium as Cd	3111 B, APHA 23rd Edition

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56	CHEMICAL- RESIDUES IN WATER	Ground water and surface water	Copper as Cu	3111 B, APHA, 23rd Edition
57	CHEMICAL- RESIDUES IN WATER	Ground water and surface water	Hexavalent chromium as Cr6+	3500-Cr B, APHA 23rd edition
58	CHEMICAL- RESIDUES IN WATER	Ground water and surface water	Lead as Pb	3111 B, APHA 23rd edition
59	CHEMICAL- RESIDUES IN WATER	Ground water and surface water	Mercury as Hg	3112 B, APHA, 23rd Edition
60	CHEMICAL- RESIDUES IN WATER	Ground water and surface water	Nickel as Ni	3111 B, APHA 23rd edition
61	CHEMICAL- RESIDUES IN WATER	Ground water and surface water	Total chromium as Cr	3111 D, APHA 23rd Edition
62	CHEMICAL- RESIDUES IN WATER	Ground water and surface water	Zinc as Zn	3111 B, APHA, 23rd Edition
63	CHEMICAL- RESIDUES IN WATER	Waste water (Effluents / Sewage)	Barium as Ba	3113 B, APHA 23rd Edition
64	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Arsenic as As	3113 B, APHA / 3114 B, 23rd Edition
65	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Boron	4500-B B, APHA, 23rd Edition
66	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Cadmium as Cd	3111 B, APHA, 23rd Edition
67	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Copper as Cu	3111 B, APHA 23rd Edition
68	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Hexavalent Chromium as Cr6+	3500-Cr B, APHA 23rd Edition
69	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Lead as Pb	3111 B, APHA, 23rd Edition
70	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Mercury as Hg	3112 B, APHA, 23rd Edition
71	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Nickel as Ni	3111B, APHA 23rd Edition
72	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Total Chromium as Cr	3111D, APHA, 23rd Edition
73	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Zinc as Zn	3111 B, APHA, 23rd Edition
74	CHEMICAL- WATER	Ground water and surface water	Ammonical Nitrogen as NH3-N	4500-NH3 C, F, APHA 23rd edition

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75	CHEMICAL- WATER	Ground water and surface water	Biochemical Oxygen Demand 3 days at 27 0 C	IS 3025 (Part 44), 1993
76	CHEMICAL- WATER	Ground water and surface water	Boron	4500-B B, APHA 23rd edition
77	CHEMICAL- WATER	Ground water and surface water	Calcium as Ca	3500-Ca B, APHA 23rd Edition
78	CHEMICAL- WATER	Ground water and surface water	Chemical Oxygen Demand	5220 B, APHA 23rd edition
79	CHEMICAL- WATER	Ground water and surface water	Chlorides as Cl-	4500-Cl- B, APHA 23rd edition
80	CHEMICAL- WATER	Ground water and surface water	Conductivity at 25 0 C	2510 B, APHA 23rd edition
81	CHEMICAL- WATER	Ground water and surface water	Fixed Solids ignited at 550 Deg C	2540 E, APHA 23rd edition
82	CHEMICAL- WATER	Ground water and surface water	Fluorides as F	4500-F- D, APHA 23rd edition
83	CHEMICAL- WATER	Ground water and surface water	Magnesium as Mg	3500-Mg B, APHA 23rd Edition
84	CHEMICAL- WATER	Ground water and surface water	Nitrate as NO3	4500-NO3 B, APHA 23rd edition
85	CHEMICAL- WATER	Ground water and surface water	Nitrite as NO2	4500-NO2 B, APHA 23rd edition
86	CHEMICAL- WATER	Ground water and surface water	Oil and grease	5520-B, APHA 23rd edition
87	CHEMICAL- WATER	Ground water and surface water	pH at 25 0 C	4500-H+ B, APHA 23rd Edition
88	CHEMICAL- WATER	Ground water and surface water	Phenolic compounds as C6H5OH	5530 D, APHA 23rd edition
89	CHEMICAL- WATER	Ground water and surface water	Phosphorous as P	4500-P B, D APHA 23rd edition
90	CHEMICAL- WATER	Ground water and surface water	Potassium as K	3500-K B, APHA 23rd Edition
91	CHEMICAL- WATER	Ground water and surface water	Sodium as Na	3500-Na B, APHA 23rd Edition
92	CHEMICAL- WATER	Ground water and surface water	Sulphate as SO4-2	4500-SO4-2 B, APHA 23rd edition
93	CHEMICAL- WATER	Ground water and surface water	Sulphide as S2-	4500-S2- D, APHA 23 edition
94	CHEMICAL- WATER	Ground water and surface water	Total alkalinity as CaCO3	2320 B, APHA 23 Edition
95	CHEMICAL- WATER	Ground water and surface water	Total Dissolved Solids	2540 C, APHA 23rd Edition
96	CHEMICAL- WATER	Ground water and surface water	Total Hardness as CaCO3	2340 C, APHA 23rd Edition
97	CHEMICAL- WATER	Ground water and surface water	Total Kjeldahl Nitrogen (TKN)	4500-N (org) B, APHA 23rd Edition
98	CHEMICAL- WATER	Ground water and surface water	Total Suspended Solids	2540-D, APHA 23rd Edition
99	CHEMICAL- WATER	Ground water and surface water	Turbidity	2130 B, APHA 23rd Edition