National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KARNATAKA WASTE MANAGEMENT PROJECT LABORATORY, NH-207, KIADB INDUSTRIAL AREA, DABASPET, NELMANGALA, BENGALURU, BENGALURU RURAL, KARNATAKA, 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
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	KWMP/SOP/LAB-296 Issue No 3, Jan 10
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	KWMP/SOP/LAB-297 Issue No 3, Jan 10
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	KWMP/SOP/LAB-298 Issue No 3, Jan 10
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen	IS 5182 (Part 6)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	KWMP/SOP/LAB-295 Issue No 3, Jan 10
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable Suspended Particulate Matter (PM10)	IS 5182 (Part 23)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (Part 2)
8	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Arsenic as As in TCLP	USEPA 1311 (Extraction) APHA 23rd Edition 3500 As , B
9	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Bulk Density	ASTM D 5057-90
10	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Cadmium as Cd	USEPA SW-846; 7130
11	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Cadmium as Cd in TCLP	USEPA 1311 (Extraction) USEPA SW-846 ; 7130
12	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Calorific Value	KWMP/SOP/LAB-253 Issue No 3, Jan 10
13	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Cobalt as Co	USEPA SW-846; 3050A 7200
14	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Cobalt as Co in STLC	KWMP/SOP/LAB-287((Extraction) USEPA SW-846; 3050 A ,7200
15	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Colour	KWMP/SOP/LAB-300 Issue No 3, Jan 10
16	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Copper as Cu	USEPA SW-846; 7210
17	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Copper as Cu in STLC	KWMP/SOP/LAB-287(2018) (Extraction) USEPA SW-846; 7210

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18	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Extractable organics	USEPA SW-846; 3540 C
19	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Flash Point	USEPA , SW-846; 1020 A
20	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Hexavalent Chromium as Cr6+	USEPA SW-846; 7196A
21	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Hexavalent Chromium as Cr6+ in WLT	DIN 38414-4 1984 (Extraction); APHA 23rd Edition 3500 Cr , B
22	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Iron as Fe	USEPA SW-846; 7380
23	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Iron as Fe in TCLP	USEPA 1311 (Extraction) APHA 23rd Edition 3111 B
24	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Lead as Pb	USEPA SW-846; 7420
25	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Lead as Pb in TCLP	USEPA 1311 (Extraction) USEPA SW-846 ; 7420
26	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Loss on drying at 105oC	KWMP/SOP/LAB-256 Issue No 3, Jan 10
27	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Loss on ignition at 550oC	KWMP/SOP/LAB-257 Issue No 3, Jan 10
28	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Manganese as Mn	USEPA SW-846; 7460
29	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Manganese as Mn in TCLP	USEPA 1311(1998) (Extraction) USEPA SW-846 ; 7460
30	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Moisture content	IS 326 (Part 21)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Nickel as Ni	USEPA SW-846; 7520
32	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Nickel as Ni in STLC	KWMP/SOP/LAB-287(2018) (Extraction) USEPA SW-846 ; 7520
33	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Paint Filter Liquid Test	USEPA , SW-846; 9095 B
34	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	pH	USEPA SW-846; 9045 C
35	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Physical State	KWMP/SOP/LAB-299 Issue No 3, Jan 10

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36	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Reactive Cyanide as HCN	USEPA , SW-846; 9014
37	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Reactive Sulfide as H2S	USEPA SW-846; 9034 (Iodometric Method)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Selenium as Se in TCLP	USEPA 1311(1998) (Extraction) APHA 23rd Edition 3500 Se ,C
39	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Silver as Ag	USEPA SW-846; 3050A, 7760A
40	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Silver as Ag in TCLP	USEPA 1311(1998) (Extraction)USEPA SW-846;3050 A , 7760 A
41	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Texture	KWMP/SOP/LAB-301 Issue No 3, Jan 10
42	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Total Chromium as Cr	USEPA SW-846; 7190
43	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Total Chromium as Cr in TCLP	USEPA 1311(1998) (Extraction) USEPA SW-846 ; 7190
44	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Total Cyanide as CN-	USEPA SW-846 ; 9014 ; 1998, APHA 23rd Edition 4500 CN , C&E
45	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Total Sulfide as S-2	USEPA SW-846; 9215
46	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Water soluble Inorganics	KWMP/SOP/LAB-264 & 265 Issue No 3 Jan 10
47	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Water soluble organics	KWMP/SOP/LAB-264 & 265 Issue No 3 Jan 10
48	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Zinc as Zn	USEPA SW-846; 7950
49	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Zinc as Zn in STCL	KWMP/SOP/LAB-287(2018) (Extraction) USEPA SW-846; 7950
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium as Mg	APHA 23rd Edition 3500 Mg , B
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Acidity as CaCO3	APHA 23rd Edition 2310 B
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Alkalinity as CaCO3	APHA 23rd Edition 2320 B
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Aluminum as Al	APHA 23rd Edition 3500 Al , B (Colorimetric)

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54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Arsenic as As	APHA 23rd Edition 3500 As , B
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biological Oxygen Demand at 27oC 3 Days	IS 3025 (Part 44)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Boron as B	APHA 23rd Edition 4500 B ,B (Curcumin Method)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Cadmium as Cd	APHA 23rd Edition 3111 B
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as Ca	APHA 23rd Edition 3500 Ca , B
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	APHA 23rd Edition 5220 B
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chlorides as Cl-	APHA 23rd Edition 4500 Cl- , B
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cobalt as Co	APHA 23rd Edition 3111 B
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Colour	APHA 23rd Edition 2120 C
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	APHA 23rd Edition 2510 B
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper as Cu	APHA 23rd Edition 3111 B
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cyanides Total as CN-	APHA 23rd Edition 4500 CN- ,E
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	APHA 23rd Edition 4500 O , C
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fixed Solids	APHA 23rd Edition 2540 E
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluorides as F-	APHA 23rd Edition 4500 F- , D
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexavalent Chromium as Cr6+	APHA 23rd Edition 3500 Cr , B
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA 23rd Edition 3111 B
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Kjeldahl Nitrogen as N	APHA 23rd Edition 4500 N (org) B
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead as Pb	APHA 23rd Edition 3111 B

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73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Manganese as Mn	APHA 23rd Edition 3111 B
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel as Ni	APHA 23rd Edition 3111 B
75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate Nitrogen as N	IS 3025 (Part 34) ,APHA 23rd Edition 4500 NO3- , B
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrite Nitrogen as N	APHA 23rd Edition 4500 NO2 , B
77	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrogen (Ammonia) as N	APHA 23rd Edition 4500 NH3 ,C
78	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA 23rd Edition 5520 B
79	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA 23rd Edition 4500 H+ , B
80	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phenolic Compounds as C6H5O6	APHA 23rd Edition 5530 D
81	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphorous as P	APHA 23rd Edition 4500 P , D
82	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium as K	APHA 23rd Edition 3500 K , B
83	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual Chlorine as Cl-	APHA 23rd Edition 4500 Cl ,B
84	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Silica as SiO2	APHA 23rd Edition 4500 SiO2 , C
85	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Silver as Ag	APHA 23rd Edition 3111 B
86	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium as Na	APHA 23rd Edition 3500 Na , B
87	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphates as SO4-2	APHA 23rd Edition 4500 SO4 -2 E
88	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphides as S-2	APHA 23rd Edition 4500 S-2 , F
89	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphite as SO3-2	APHA 23rd Edition 4500 SO3-2, B
90	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	APHA 23rd Edition 2550 B
91	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Chromium as Cr	APHA 23rd Edition 3111 B

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92	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	APHA 23rd Edition 2540 C
93	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
94	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	APHA 23rd Edition 2540 B
95	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	APHA 23rd Edition 2540 D
96	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	APHA 23rd Edition 2130 B
97	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Vanadium as V	APHA 23rd Edition 3500 V ,B (Colorimetric)
98	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Volatile Solids	APHA 23rd Edition 2540 E
99	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc as Zn	APHA 23rd Edition 3111 B
100	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Aluminum as Al	APHA 23rd Edition 3500 Al ,B Colorimetric
101	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Cadmium as Cd	APHA 23rd Edition 3111 B
102	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Calcium as Ca	APHA 23rd Edition 3500 Ca ,B
103	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Cobalt as Co	APHA 23rd Edition 3111 B
104	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Copper as Cu	APHA 23rd Edition 3111 B
105	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Hexavalent Chromium as Cr6+	APHA 23rd Edition 3111 Cr B
106	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Iron as Fe	APHA 23rd Edition 3111 B
107	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Lead as Pb	APHA 23rd Edition 3111 B
108	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Magnesium as Mg	APHA 23rd Edition 3500 Mg , B
109	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Manganese as Mn	APHA 23rd Edition 3111 B
110	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Nickel as Ni	APHA 23rd Edition 3111 B

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111	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Silver as Ag	APHA 23rd Edition 3111 B
112	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Total Chromium as Cr	APHA 23rd Edition 3111 B
113	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Vanadium	APHA 23rd Edition 3500 V ,B Colorimetric
114	CHEMICAL- RESIDUES IN WATER	Trace metal elements	Zinc as Zn	APHA 23rd Edition 3111 B
115	CHEMICAL- WATER	Surface/Ground Water	Acidity as CaCO3	APHA 23rd Edition 2310 B
116	CHEMICAL- WATER	Surface/Ground Water	Alkalinity as CaCO3	APHA 23rd Edition 2320 B
117	CHEMICAL- WATER	Surface/Ground Water	Boron as B	APHA 23rd Edition 4500 B, B (Curcumin Method)
118	CHEMICAL- WATER	Surface/Ground Water	Chemical Oxygen Demand (COD)	APHA 23rd Edition 5220 B
119	CHEMICAL- WATER	Surface/Ground Water	Chlorides as Cl-	APHA 23rd Edition 4500 Cl- B
120	CHEMICAL- WATER	Surface/Ground Water	Colour	APHA 23rd Edition 2120 C
121	CHEMICAL- WATER	Surface/Ground Water	Conductivity	APHA 23rd Edition 2510 B
122	CHEMICAL- WATER	Surface/Ground Water	Fixed Solids	APHA 23rd Edition 2540 E
123	CHEMICAL- WATER	Surface/Ground Water	Fluorides as F-	APHA 23rd Edition 4500 F-, D
124	CHEMICAL- WATER	Surface/Ground Water	Kjeldahl Nitrogen as N	APHA 23rd Edition 4500 N (org) B
125	CHEMICAL- WATER	Surface/Ground Water	Nitrate Nitrogen as N	IS 3025 (Part 34) APHA 23rd Edition 4500 NO3 B
126	CHEMICAL- WATER	Surface/Ground Water	Nitrite Nitrogen as N	APHA 23rd Edition 4500 NO2 , B
127	CHEMICAL- WATER	Surface/Ground Water	Nitrogen (Ammonia) as N	APHA 23rd Edition 4500 NH3 B , C
128	CHEMICAL- WATER	Surface/Ground Water	Odour	APHA 23rd Edition 2150 B
129	CHEMICAL- WATER	Surface/Ground Water	Oil & Grease	APHA 23rd Edition 5520 B
130	CHEMICAL- WATER	Surface/Ground Water	pH	APHA 23rd Edition 4500 H+ B
131	CHEMICAL- WATER	Surface/Ground Water	Phenolic Compounds as C6H5O6	APHA 23rd Edition 5530 D
132	CHEMICAL- WATER	Surface/Ground Water	Phosphorus as P	APHA 23rd Edition 4500 P ,D
133	CHEMICAL- WATER	Surface/Ground Water	Residual Chlorine as Cl	APHA 23rd Edition 4500 Cl, B
134	CHEMICAL- WATER	Surface/Ground Water	Selenium	APHA 23rd Edition 3500 Se ,C

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135	CHEMICAL- WATER	Surface/Ground Water	Silica as SiO2	APHA 23rd Edition 4500 SiO2 , C
136	CHEMICAL- WATER	Surface/Ground Water	Sodium as Na	APHA 23rd Edition3500 Na ,B
137	CHEMICAL- WATER	Surface/Ground Water	Sulphates as SO4-2	APHA 23rd Edition 4500 SO4-2 E
138	CHEMICAL- WATER	Surface/Ground Water	Sulphides as S-2	APHA 23rd Edition 4500 S-2 F
139	CHEMICAL- WATER	Surface/Ground Water	Temperature	APHA 23rd Edition 2550 A , B
140	CHEMICAL- WATER	Surface/Ground Water	Total Chromium as Cr	APHA 23rd Edition 3111 B
141	CHEMICAL- WATER	Surface/Ground Water	Total Dissolved Solids	APHA 23rd Edition 2540 C
142	CHEMICAL- WATER	Surface/Ground Water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
143	CHEMICAL- WATER	Surface/Ground Water	Total Solids	APHA 23rd Edition 2540 B
144	CHEMICAL- WATER	Surface/Ground Water	Total Suspended Solids	APHA 23rd Edition 2540 D
145	CHEMICAL- WATER	Surface/Ground Water	Turbidity	APHA 23rd Edition 2130 B