National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	TAMILNADU WASTE MANAGEMENT LIMITED, A.MUKKULAM, VIRUDHUNAGAR, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10058	**Page No**	1 of 7
Validity	03/11/2021 to 02/11/2023	**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- POLLUTION & ENVIRONMENT	Ambient air quality monitoring	Ammonia	CPCB Guidelines for the measurement of ambient air pollutants, volume-1 (National Ambient Air Quality Series: NAAQMS/36/2012-13)
2	CHEMICAL- POLLUTION & ENVIRONMENT	Ambient air quality monitoring	Arsenic	CPCB Guidelines for the measurement of ambient air pollutants, volume-1 (National Ambient Air Quality Series: NAAQMS/36/2012-13)
3	CHEMICAL- POLLUTION & ENVIRONMENT	Ambient air quality monitoring	Lead	CPCB Guidelines for the measurement of ambient air pollutants, volume-1 (National Ambient Air Quality Series: NAAQMS/36/2012-13)
4	CHEMICAL- POLLUTION & ENVIRONMENT	Ambient air quality monitoring	Nickel	CPCB Guidelines for the measurement of ambient air pollutants, volume-1 (National Ambient Air Quality Series: NAAQMS/36/2012-13)
5	CHEMICAL- POLLUTION & ENVIRONMENT	Ambient air quality monitoring	Oxides of Nitrogen	IS 5182 (Part 6)
6	CHEMICAL- POLLUTION & ENVIRONMENT	Ambient air quality monitoring	Ozone	CPCB Guidelines for the measurement of ambient air pollutants, volume-1 (National Ambient Air Quality Series: NAAQMS/36/2012-13)
7	CHEMICAL- POLLUTION & ENVIRONMENT	Ambient air quality monitoring	Particulate Matter 2.5 (PM 2.5)	CPCB Guidelines for the measurement of ambient air pollutants, volume-1 (National Ambient Air Quality Series: NAAQMS/36/2012-13)
8	CHEMICAL- POLLUTION & ENVIRONMENT	Ambient air quality monitoring	Respirable suspended particulate matter (PM 10)	IS 5182 (Part 23)
9	CHEMICAL- POLLUTION & ENVIRONMENT	Ambient air quality monitoring	Sulphur Dioxide	IS 5182 (Part 2)
10	CHEMICAL- POLLUTION & ENVIRONMENT	SLUDGE	pH	USEPA SW-846; 9045 D
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Acid Soluble & Insoluble Sulfide as H2S	USEPA SW-846;9030B,9034

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12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Ammonia as N (TCLP/WLT)	APHA 23rd Edition; 4500 NH3 B,C
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Arsenic as As	APHA 23rd Edition 3114 As B
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Arsenic as As (TCLP/WLT)	APHA 23rd Edition; 3114 As B
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Bulk Density	ASTM D 5057
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Cadmium as Cd	USEPA SW-846; 3050B,7000B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Cadmium as Cd (TCLP/WLT)	APHA 23rd Edition; 3111B
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Calorific Value	ASTM D 5468-02
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Copper as Cu	USEPA SW-846; 3050B,7000B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Copper as Cu (TCLP/WLT)	APHA 23rd Edition; 3111B,
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Cyanide as CN (TCLP/WLT)	APHA 23rd Edition; 4500 CN-C,E
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Extractable Organics (using n-Hexane)	USEPA SW-846; 9071 B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Fluorides as F- (TCLP/WLT)	APHA 23rd Edition; 3500 D
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Hexavalent Chromium as Cr+6	USEPA 1998, SW-846; 3060 A,7196A
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Hexavalent Chromium as Cr+6 (TCLP/WLT)	APHA 23rd Edition; 3500 Cr B,
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Lead as Pb	USEPA SW-846; 3050B,7000B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Lead as Pb (TCLP/WLT)	APHA 23rd Edition; 3111B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Loss on drying at 105 C	APHA 23rd Edition
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Loss on ignition at 550 C	APHA 23rd Edition
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Mercury as Hg	APHA 23rd Edition. 3112 B,

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31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Mercury as Hg (TCLP/WLT)	APHA 23rd Edition; 3112 B
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Nickel as Ni	USEPA SW-846; 3050B,7000B
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Nickel as Ni (TCLP/WLT)	APHA 23rd Edition; 3111B
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Nitrate as N (TCLP/WLT)	IS: 3025 (Part 34)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Paint Filter Liquid Test	USEPA SW-846; 9095 B
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Phenolic Compounds as C6H5OH (TCLP/WLT)	APHA 23rd Edition; 5530 B,D
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Total & Amenable Cyanide as HCN	USEPA SW-846; 9010C, 9014
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Total Chromium as Cr	USEPA SW-846; 3050B,7000B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Total Chromium as Cr (TCLP/WLT)	APHA 23rd Edition; 3111B
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Water soluble inorganics (Fixed Solids)	APHA 23rd Edition;2540 E
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Water Soluble Organics (Volatile Solids)	APHA 23rd Edition; 2540 E
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Zinc as Zn	USEPA SW-846; 3050B,7000B
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste/Sludge	Zinc as Zn (TCLP/WLT)	APHA 23rd Edition; 3111B
44	CHEMICAL- WATER	Waste water/ Effluent	Acidity as CaCO3	APHA 23rd Edition,; 2310 B
45	CHEMICAL- WATER	Waste water/ Effluent	Alkalinity as CaCO3	APHA 23rd Edition; 2320 B
46	CHEMICAL- WATER	Waste water/ Effluent	Arsenic as As	APHA 23rd Edition; 3114 As B (AAS instrument method)
47	CHEMICAL- WATER	Waste water/ Effluent	Bio Chemical Oxygen Demand (3 Days @ at 27 C)	IS : 3025 (part 44)
48	CHEMICAL- WATER	Waste water/ Effluent	Cadmium Cd	APHA 23rd Edition;3500 K B
49	CHEMICAL- WATER	Waste water/ Effluent	Calcium as Ca	APHA 23rd Edition; 3500 Ca B
50	CHEMICAL- WATER	Waste water/ Effluent	Chemical Oxygen Demand	APHA 23rd Edition; 5220 B
51	CHEMICAL- WATER	Waste water/ Effluent	Chlorides as Cl-	APHA 23rd Edition; 4500 Cl- B

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52	CHEMICAL- WATER	Waste water/ Effluent	Conductivity	APHA 23rd Edition; 2510 B
53	CHEMICAL- WATER	Waste water/ Effluent	Copper as Cu	APHA 23rd Edition; 3111 B
54	CHEMICAL- WATER	Waste water/ Effluent	Dissolved Oxygen	APHA 23rd Edition; 4500 O C
55	CHEMICAL- WATER	Waste water/ Effluent	Fixed Solids	APHA 23rd Edition; 2540 E
56	CHEMICAL- WATER	Waste water/ Effluent	Fluorides as F-	APHA 23rd Edition; 4500 F- D
57	CHEMICAL- WATER	Waste water/ Effluent	Hexavalent Chromium as Cr+6	APHA 23rd Edition; 3500 Cr B
58	CHEMICAL- WATER	Waste water/ Effluent	Lead as Pb	APHA 23rd Edition; 3111 B
59	CHEMICAL- WATER	Waste water/ Effluent	Magnesium as Mg	APHA 23rd Edition; 3500-Mg B
60	CHEMICAL- WATER	Waste water/ Effluent	Mercury as Hg	APHA 23rd Edition, ; 3112 B (AAS instrument method)
61	CHEMICAL- WATER	Waste water/ Effluent	Nickel as Ni	APHA 23rd Edition; 3111 B
62	CHEMICAL- WATER	Waste water/ Effluent	Nitrate (Nitrogen as N)	IS: 3025 (Part 34
63	CHEMICAL- WATER	Waste water/ Effluent	Nitrite (Nitrogen as N)	APHA 23rd Edition; 4500 NO2 – B (Colorimetric Method)
64	CHEMICAL- WATER	Waste water/ Effluent	Nitrogen (Ammonia) as N	APHA 23rd Edition ; 4500 NH3 B, C
65	CHEMICAL- WATER	Waste water/ Effluent	Nitrogen (Organic) as N	APHA 23rd Edition; 4500 N (org) B
66	CHEMICAL- WATER	Waste water/ Effluent	Oil & Grease	APHA 23rd Edition; 5520 B
67	CHEMICAL- WATER	Waste water/ Effluent	pH	APHA 23rd Edition; 4500 H+ B
68	CHEMICAL- WATER	Waste water/ Effluent	Residual Chlorine as Cl	APHA 23rd Edition; 4500 Cl B
69	CHEMICAL- WATER	Waste water/ Effluent	Sulphates as SO4-2	APHA 23rd Edition; 4500 Cl- B
70	CHEMICAL- WATER	Waste water/ Effluent	Sulphide as S-2	APHA 23rd Edition; 4500 SO4-2 D
71	CHEMICAL- WATER	Waste water/ Effluent	Sulphite as SO3-2	APHA 23rd Edition; 4500 SO3-2, B
72	CHEMICAL- WATER	Waste water/ Effluent	Total Chromium as Cr	APHA 23rd Edition: 3111 B
73	CHEMICAL- WATER	Waste water/ Effluent	Total Cyanides as CN-	APHA 23rd Edition; 4500 CN- C, E
74	CHEMICAL- WATER	Waste water/ Effluent	Total Dissolved Solids	APHA 23rd Edition; 2540 C
75	CHEMICAL- WATER	Waste water/ Effluent	Total Hardness as CaCO3	APHA 23rd Edition; 2340 C
76	CHEMICAL- WATER	Waste water/ Effluent	Total Phosphorus as P	APHA 23rd Edition; 4500 P B,C
77	CHEMICAL- WATER	Waste water/ Effluent	Total Solids	APHA 23rd Edition; 2540 B

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78	CHEMICAL- WATER	Waste water/ Effluent	Total Suspended Solids	APHA 23rd Edition; 2540 D
79	CHEMICAL- WATER	Waste water/ Effluent	Volatile Solids	APHA 23rd Edition; 2540 E
80	CHEMICAL- WATER	Waste water/ Effluent	Zinc as Zn	APHA 23rd Edition; 3111 B
81	CHEMICAL- WATER	Water, Bore well water and surface Water	Acidity as CaCO3	APHA 23rd Edition; 2310 B
82	CHEMICAL- WATER	Water, Bore well water and surface Water	Alkalinity as CaCO3	APHA 23rd Edition; 2320 B
83	CHEMICAL- WATER	Water, Bore well water and surface Water	Arsenic as As	APHA 23rd Edition; 3500 As B (instrument method AAS)
84	CHEMICAL- WATER	Water, Bore well water and surface Water	Biological Oxygen Demand 3 Days At 27oc	IS : 3025 (part 44)
85	CHEMICAL- WATER	Water, Bore well water and surface Water	Cadmium Cd	APHA 23rd Edition; 3111 B
86	CHEMICAL- WATER	Water, Bore well water and surface Water	Calcium as Ca	APHA 23rd Edition; 3500 Ca B
87	CHEMICAL- WATER	Water, Bore well water and surface Water	Chemical Oxygen Demand	APHA 23rd Edition; 5220 B
88	CHEMICAL- WATER	Water, Bore well water and surface Water	Chlorides as Cl-	APHA 23rd Edition; 4500 Cl- B
89	CHEMICAL- WATER	Water, Bore well water and surface Water	Conductivity	APHA 23rd Edition; 2510 B
90	CHEMICAL- WATER	Water, Bore well water and surface Water	Copper as Cu	APHA 23rd Edition; 3111 B
91	CHEMICAL- WATER	Water, Bore well water and surface Water	Dissolved Oxygen	APHA 23rd Edition; 4500 O C
92	CHEMICAL- WATER	Water, Bore well water and surface Water	Dissolved Phosphorus as P	APHA 23rd Edition; 4500 P B,C
93	CHEMICAL- WATER	Water, Bore well water and surface Water	Fixed Solids	APHA 23rd Edition; 2540 E
94	CHEMICAL- WATER	Water, Bore well water and surface Water	Fluorides as F-	APHA 23rd Edition; 4500 F- D
95	CHEMICAL- WATER	Water, Bore well water and surface Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition; 3500 Cr B
96	CHEMICAL- WATER	Water, Bore well water and surface Water	Lead as Pb	APHA 23rd Edition; 3111 B
97	CHEMICAL- WATER	Water, Bore well water and surface Water	Magnesium as Mg	APHA 23rd Edition; 3500-Mg B
98	CHEMICAL- WATER	Water, Bore well water and surface Water	Mercury as Hg	APHA 23rd Edition; 3112 B (instrument method AAS)
99	CHEMICAL- WATER	Water, Bore well water and surface Water	Nickel as Ni	APHA 23rd Edition; 3111 B
100	CHEMICAL- WATER	Water, Bore well water and surface Water	Nitrate Nitrogen as N	IS: 3025 (Part 34)
101	CHEMICAL- WATER	Water, Bore well water and surface Water	Nitrite (Nitrogen as N)	APHA 23rd Edition, 4500 NO2 – B (Colorimetric Method)
102	CHEMICAL- WATER	Water, Bore well water and surface Water	Nitrogen (Ammonia) as N	APHA 23rd Edition; 4500 NH3 B, C
103	CHEMICAL- WATER	Water, Bore well water and surface Water	Nitrogen (Organic) as N	APHA 23rd Edition; 4500 N (org) B
104	CHEMICAL- WATER	Water, Bore well water and surface Water	Oil & Grease	APHA 23rd Edition, 5520 B

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105	CHEMICAL- WATER	Water, Bore well water and surface Water	pH	APHA 23rd Edition; 4500 H+ B
106	CHEMICAL- WATER	Water, Bore well water and surface Water	Residual Chlorine as Cl	APHA 23rd Edition; 4500 Cl B
107	CHEMICAL- WATER	Water, Bore well water and surface Water	Sulphates as SO4-2	APHA 23rd Edition; 4500 SO4-2 D
108	CHEMICAL- WATER	Water, Bore well water and surface Water	Sulphide as S-2	APHA 23rd Edition; 4500 S2 F
109	CHEMICAL- WATER	Water, Bore well water and surface Water	Sulphite as SO3-2	APHA 23rd Edition; 4500 SO3-2
110	CHEMICAL- WATER	Water, Bore well water and surface Water	Total Chromium as Cr	APHA 23rd Edition; 3111 B
111	CHEMICAL- WATER	Water, Bore well water and surface Water	Total Cyanides as CN-	APHA 23rd Edition; 4500 CN- C, E
112	CHEMICAL- WATER	Water, Bore well water and surface Water	Total Dissolved Solids	APHA 23APHA 23rd Editionrd Edition; 2540 C
113	CHEMICAL- WATER	Water, Bore well water and surface Water	Total Hardness as CaCO3	APHA 23rd Edition; 2340 C
114	CHEMICAL- WATER	Water, Bore well water and surface Water	Total Solids	APHA 23rd Edition; 2540 B
115	CHEMICAL- WATER	Water, Bore well water and surface Water	Total Suspended Solids	APHA 23rd Edition; 2540 D
116	CHEMICAL- WATER	Water, Bore well water and surface Water	Volatile Solids	APHA 23rd Edition; 2540 E
117	CHEMICAL- WATER	Water, Bore well water and surface Water	Zinc as Zn	APHA 23rd Edition; 3111 B

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Site Facility				
1	CHEMICAL- POLLUTION & ENVIRONMENT	Ambient air quality monitoring	Sulphur Dioxide	IS 5182 (Part 2)