National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : WEST BENGAL WASTE MANAGEMENT LIMITED- LABORATORY, J.L. NO. 103, P.S. SUTAHATA, HALDIA, MEDINIPUR EAST, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 28/09/2021 to 27/09/2023 **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	Respirable Suspended Particulate Matter (PM10)	IS 5182 (Part 23)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Fine Particulate Matter(PM 2.5)	IS 5182 (part 24)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide	IS 5182 (Part 6)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (Part 2)
5	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi Solid)	pH	USEPA,SW-846; 9045 C
6	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid & Semi-solid)	Manganese as Mn	USEPA SW-846 7000B
7	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid & Semi-solid)	Vanadium as V	USEPA SW-846 7000B
8	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi Solid)	Calorific Value	IS 1350 (part-II)
9	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi Solid)	Copper as Cu	USEPA SW-846,7000B
10	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi Solid)	Total Chromium as Cr	USEPA SW-846,7000B
11	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Bulk Density	ASTM D 5057
12	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Cadmium as Cd	USEPA SW-846; 7000B
13	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Flash Point	USEPA , SW-846; 1020 A
14	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Hexavalent Chromium as Cr+6	APHA 23rd Edition; 3500 Cr-B
15	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Iron as Fe	APHA 23rd Edition; 3500 Fe B
16	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Loss on drying at 105oC	APHA 23rd Edition; 2540 G
17	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Loss on ignition at 550oC	APHA 23rd Edition; 2540 G
18	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Moisture content	IS 2362

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Oil & Grease	USEPA SW-846; 9071 A
20	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Paint Filter Liquid Test	USEPA SW-846; 9095 A
21	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Total Lead as Pb	USEPA SW-846 , 7000B
22	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Total Nickel as Ni	USEPA SW-846 , 7000B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Total Zinc as Zn	USEPA SW-846 , 7000B
24	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Water soluble inorganics (Fixed Solids)	APHA 23rd Edition;2540 E
25	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste (Solid and Semi-Solid)	Water soluble organics (Volatile Solids)	APHA 23rd Edition; 2540 E
26	CHEMICAL- POLLUTION & ENVIRONMENT	Metal in TCLP / Water Leachate	Cadmium as Cd	APHA 23rd Edition; 3111 B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Metal in TCLP / Water Leachate	Copper as Cu	APHA 23rd Edition; 3111 B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Metal in TCLP / Water Leachate	Hexavalent Chromium as Cr+6	APHA 23rd Edition; 3500 Cr B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Metal in TCLP / Water Leachate	Iron as Fe	APHA 23rd Edition; 3500 Fe B
30	CHEMICAL- POLLUTION & ENVIRONMENT	Metal in TCLP / Water Leachate	Lead as Pb	APHA 23rd Edition; 3111 B
31	CHEMICAL- POLLUTION & ENVIRONMENT	Metal in TCLP / Water Leachate	Nickel as Ni	APHA 23rd Edition; 3111 B
32	CHEMICAL- POLLUTION & ENVIRONMENT	Metal in TCLP / Water Leachate	TCLP (Toxicity Characteristic Leaching Procedure)	USEPA SW – 846 ;1311
33	CHEMICAL- POLLUTION & ENVIRONMENT	Metal in TCLP / Water Leachate	Total Chromium as Cr	USEPA SW-846; 7190
34	CHEMICAL- POLLUTION & ENVIRONMENT	Metal in TCLP / Water Leachate	WLT (Water Leaching Test)	DIN : 38414 Part – 4 (SA)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Metal in TCLP / Water Leachate	Zinc as Zn	APHA 23rd Edition; 3111 B
36	CHEMICAL- POLLUTION & ENVIRONMENT	Metals in TCLP/Water Leachate	Manganese as Mn	APHA 23rd Edition; 3111 B
37	CHEMICAL- POLLUTION & ENVIRONMENT	Metals in TCLP/Water Leachate	Vanadium as V	APHA 23rd Edition; 3111 B

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Alkalinity as CaCO3	APHA 23rd Edition; 2320 B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biological Oxygen Demand (3 DAYS AT 27OC)	IS: 3025 (Part 44)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cadmium as Cd	APHA 23rd Edition; 3111 B, AAS
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as Ca	APHA 23rd Edition; 3500 Ca B
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	APHA 23rd Edition; 5220 B
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chlorides as Cl-	APHA 23rd Edition; 4500 Cl- B
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Conductivity	APHA 23rd Edition; 2510 B
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper as Cu	APHA 23rd Edition; 3111 B, AAS
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	APHA 23rd Edition; 4500 O C
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fixed Solids	APHA 23rd Edition; 2540 E
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluorides as F-	APHA 23rd Edition; 4500 F- D
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition; 3500 Cr B
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA 23rd Edition; 3500 Fe B
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium as Mg	APHA 23rd Edition; 3500-Mg B
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel as Ni	APHA 23rd Edition; 3111 B, AAS
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate Nitrogen as N	APHA 23rd Edition; 4500 NO3 – B & E
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrite Nitrogen as N	APHA 23rd Edition; 4500 NO2 – B
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrogen (Ammonia) as N	APHA 23rd Edition; 4500 NH3 B, C
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrogen (Organic) as N	APHA 23rd Edition; 4500 N (org) B

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57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA 23rd Edition; 5520 B
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	pH	APHA 23rd Edition; 4500 H+ B
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium as K	APHA 23rd Edition; 3500 K B
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium as Na	APHA 23rd Edition; 3500 Na B
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphates as SO4-2	APHA 23rd Edition; 4500 SO4-2 D-Gravimetric method
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphates as SO4-2	APHA 23rd Edition; 4500 SO4-2 E
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	APHA 23rd Edition; 2550-A,B
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Chromium as Cr	APHA 23rd Edition, 2017; 3111 B, AAS
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	APHA 23rd Edition; 2540 C
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness as CaCO3	APHA 23rd Edition; 2340 C
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Lead as Pb	APHA 23rd Edition; 3111 B, AAS
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	APHA 23rd Edition; 2540 B
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	APHA 23rd Edition; 2540 D
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Volatile Solids	APHA 23rd Edition; 2540 E
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc as Zn	APHA 23rd Edition; 3111 B, AAS
72	CHEMICAL- RESIDUES IN WATER	Ground & Surface Water	Cadmium as Cd	APHA 23rd Edition; 3111 B
73	CHEMICAL- RESIDUES IN WATER	Ground & Surface Water	Copper as Cu	APHA 23rd Edition; 3111 B
74	CHEMICAL- RESIDUES IN WATER	Ground & Surface Water	Lead as Pb	APHA 23rd Edition; 3111 B
75	CHEMICAL- RESIDUES IN WATER	Ground & Surface Water	Nickel as Ni	APHA 23rd Edition; 3111 B

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76	CHEMICAL- RESIDUES IN WATER	Ground & Surface Water	Total Chromium as Cr	APHA 23rd Edition; 3111 B
77	CHEMICAL- RESIDUES IN WATER	Ground & Surface Water	Zinc as Zn	APHA 23rd Edition; 3111 B
78	CHEMICAL- RESIDUES IN WATER	Surface & Ground Water	Manganese as Mn	APHA 23rd Edition; 3111 B
79	CHEMICAL- RESIDUES IN WATER	Surface & Ground Water	Zinc as Zinc	APHA 23rd Edition; 3111 B
80	CHEMICAL- WATER	Ground & Surface Water	Phosphorus as P	APHA 23rd Edition, 4500 P D
81	CHEMICAL- WATER	Surface and ground water	Alkalinity as CaCO3	APHA 23rd Edition; 2320 B
82	CHEMICAL- WATER	Surface and Ground Water	Biological Oxygen Demand 3 DAYS AT 27OC	IS: 3025 (Part-44)
83	CHEMICAL- WATER	Surface and Ground Water	Calcium as Ca	APHA 23rd Edition; 3500 Ca B
84	CHEMICAL- WATER	Surface and Ground Water	Chemical Oxygen Demand	APHA 23rd Edition; 5220 B
85	CHEMICAL- WATER	Surface and Ground Water	Chlorides as Cl-	APHA 23rd Edition; 4500 Cl- B
86	CHEMICAL- WATER	Surface and ground water	Conductivity	APHA 23rd Edition; 2510 B
87	CHEMICAL- WATER	Surface and Ground Water	Dissolved Oxygen	APHA 23rd Edition; 4500 O C
88	CHEMICAL- WATER	Surface and Ground Water	Fluorides as F-	APHA 23rd Edition; 4500 F- D
89	CHEMICAL- WATER	Surface and Ground Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition; 3500 Cr B
90	CHEMICAL- WATER	Surface and Ground Water	Iron as Fe	APHA 23rd Edition; 3500 Fe B
91	CHEMICAL- WATER	Surface and Ground Water	Magnesium as Mg	APHA 23rd Edition; 3500-Mg B
92	CHEMICAL- WATER	Surface and Ground Water	Nitrate Nitrogen as N	APHA 23rd Edition; 4500 NO3 – B
93	CHEMICAL- WATER	Surface and Ground Water	Nitrite Nitrogen as N	APHA 23rd Edition; 4500 NO2 – B
94	CHEMICAL- WATER	Surface and Ground Water	Nitrogen (Organic) as N	APHA 23rd Edition; 4500 N (org) B
95	CHEMICAL- WATER	Surface and Ground Water	Nitrogen(Ammonia) as N	APHA 23rd Edition; 4500 NH3 B, C
96	CHEMICAL- WATER	Surface and Ground Water	pH	APHA 23rd Edition; 4500 H+ B
97	CHEMICAL- WATER	Surface and Ground Water	Potassium as K	APHA 23rd Edition; 3500 K B
98	CHEMICAL- WATER	Surface and Ground Water	Sodium as Na	APHA 23rd Edition; 3500 Na B
99	CHEMICAL- WATER	Surface and Ground Water	Sulphates as SO4-2	APHA 23rd Edition; 4500 SO4-2 D –(Gravimetric method)

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100	CHEMICAL- WATER	Surface and Ground Water	Sulphates as SO4-2	APHA 23rd Edition; 4500 SO4-2 E
101	CHEMICAL- WATER	Surface and Ground Water	Temperature	APHA 23rd Edition; 2550 –A, B
102	CHEMICAL- WATER	Surface and ground water	Total Dissolved Solids	APHA 23rd Edition; 2540 C
103	CHEMICAL- WATER	Surface and Ground Water	Total Hardness as CaCO3	APHA 23rd Edition; 2340 C
104	CHEMICAL- WATER	Surface and ground water	Total Solids	APHA 23rd Edition; 2540 B
105	CHEMICAL- WATER	Surface and Ground Water	Total Suspended Solids	APHA 23rd Edition; 2540 D
106	CHEMICAL- WATER	Surface and Ground Water	Turbidity	APHA 23rd Edition; 2130 B