National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AES TESTING LABORATORY, #44, 45, 1ST MAIN ROAD, VINAYAKANAGAR, BAGALAGUNTE, NAGASANDRA POST, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 26/04/2021 to 25/04/2023 **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 Mointoring	Nitrogen Dioxide as NO2	IS 5182 (P 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Mointoring	Ozone (as O3)	IS 5182 (P 9)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Mointoring	Particulate Matter (PM 10)	IS 5182 (P23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Mointoring	Sulphur Dioxide (as SO2)	IS 5182 (P2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor air monitoring	Ammonia (as NH3)	AESTL/SOP/IAQM/5.1
6	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor air monitoring	Carbon Dioxide	AESTL/SOP/IAQM/5.6
7	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor Air Monitoring	HCHO	AESTL/SOP/IAQM/5.6
8	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor air monitoring	Nitrogen Dioxide (as NO2)	AESTL/SOP/IAQM/5.2
9	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor air monitoring	Ozone as O3	AESTL/SOP/IAQM/5.3
10	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor Air Monitoring	Particulate Matter (as PM 2.5)	AESTL/SOP/IAQM/5.4
11	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor Air Monitoring	Relative Humidity	AESTL/SOP/IAQM/5.6
12	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor air monitoring	Sulphur Dioxide (as SO2)	AESTL/SOP/IAQM/5.5
13	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor air monitoring	Temperature	AESTL/SOP/IAQM/5.6
14	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor air monitoring	Total Volatile Organic Compound	AESTL/SOP/IAQM/5.6
15	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor air Quality Monitoring	Particulate Matter as PM 10	AESTL/SOP/IAQM/5.6
16	CHEMICAL- ATMOSPHERIC POLLUTION	Noise level monitoring	Leq, Lmin, L max, Noise level in Leq dB(A)	IS 9989
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen	IS 11255 (P7)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (P1)

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19	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur Dioxide (as SO2)	IS 11255 (P2)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Ammonical Nitrogen	APHA 23rd Edition 4500-NH3-C
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Biological Oxygen Demand	IS 3025 (Part 44)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Calcium	APHA 23rd Edition 3500 Ca-B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Chemical Oxygen Demand	APHA 23rd Edition 5220 - B
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Chloride	APHA 23rd Edition 4500-Cl- B
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Color	APHA 23rd Edition 2120 B
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Dissolved oxygen	APHA 23rd Edition 4500-O-C
27	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Electrical Conductivity	APHA 23rd Edition 2510 B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Magnesium	APHA 23rd Edition 3500 mg-B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Nitrate	IS 3025 Part 34
30	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Odour	APHA 23rd Edition 2150- C
31	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Oil & Grease	APHA 23rd Edition 5520-B
32	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	pH	APHA 23rd Edition 4500 H+ B
33	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Residual Free chlorine	APHA 23rd Edition 4500-Cl-B
34	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Sulphate	APHA 23rd Edition4500- SO4-E
35	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Total Alkalinity	APHA 23rd Edition 2320 -B
36	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Total Dissolved Solids	APHA 23rd Edition 2540-C
37	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Total Hardness	APHA 23rd Edition 2340 C

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Total Kjedhal Nitrogen	IS 3025 Part 34
39	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Total Nitrogen	APHA 23rd Edition4500 -N0rg
40	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Total Solids	APHA 23rd Edition 2540 B
41	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Total Suspended Solids	APHA 23rd Edition 2500 D
42	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water/ STP water/ Waste water/ Treated water	Turbidity	APHA 23rd Edition 2130-B
43	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Iron	APHA 23rd Edition 3500- Fe
44	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Nitrate	IS 3025 P (34)
45	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Phosphorous as PO4	APHA 23rd Edition 4500 P-D
46	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Boron	APHA 23rd Edition 4500 B- B
47	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Calcium as Ca	APHA 23rd Edition 3500 Ca -B
48	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Chloride As Cl	APHA 23rd Edition 4500 Cl - B
49	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Fluoride	APHA 23rd Edition 4500 F - D
50	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Magnesium as Mg	APHA 23rd Edition 3500 Mg- B
51	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Oil & Grease	APHA 23rd Edition 5520 - B

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Mointoring	Ammonia (as NH3)	IS5182 (part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Mointoring	Particulate Matter (PM 2.5)	IS5182 (part 24)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Light illumination(lux)	Light illumination(lux)	IS 3646 (P1)
4	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Colour	APHA 23rd Edition 2120 B
5	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Electrical Conductivity	APHA 23rd Edition 2510 B
6	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Odour	APHA 23rd Edition 2150 - C
7	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Residual Free Chlorine as Cl2	APHA 23rd Edition 4500- Cl - B
8	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Sulphate as So4	APHA 23rd Edition 4500- SO4 - E
9	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Total Acidity	APHA 23rd Edition 2310- B
10	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Total Alkalinity	APHA 23rd Edition 2320- B
11	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Total Dissolved solids	APHA 23rd Edition 2540 -C
12	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Total Hardness	APHA 23rd Edition 2340- C
13	CHEMICAL- WATER	Drinking water/ Borewell water/ RO water	Turbidity	APHA 23rd Edition 2130- B
14	CHEMICAL- WATER	Drinking water/Borewell water/ RO water	PH	APHA 23rd Edition 4500H+ B
15	CHEMICAL- WATER	Surface water	Calcium	APHA 23rd Edition 3500 Ca- B
16	CHEMICAL- WATER	Surface water	Chloride	APHA 23rd Edition 4500 Cl- B
17	CHEMICAL- WATER	Surface water	Colour	APHA 23rd Edition 2120 B 2120 B
18	CHEMICAL- WATER	Surface water	Electrical Conductivity	APHA 23rd Edition 2510 B
19	CHEMICAL- WATER	Surface water	Magnesium	APHA 23rd Edition 3500 Mg- B
20	CHEMICAL- WATER	Surface water	Nitrate	IS 3025 P(34) 1988
21	CHEMICAL- WATER	Surface water	Odour	APHA 23rd Edition 2150 C
22	CHEMICAL- WATER	Surface water	Oil & Grease	APHA 23rd Edition 5520 B
23	CHEMICAL- WATER	surface water	pH	APHA 23rd Edition 4500 H+
24	CHEMICAL- WATER	Surface water	Residual Free Chlorine	APHA 23rd Edition 4500 Cl B
25	CHEMICAL- WATER	Surface water	Sulphate	APHA 23rd Edition 4500 SO4 E
26	CHEMICAL- WATER	Surface water	Total Acidity	APHA 23rd Edition 2310 B

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27	CHEMICAL- WATER	Surface water	Total Alkalinity	APHA 23rd Edition 2320 B
28	CHEMICAL- WATER	Surface water	Total Dissolved Solids	APHA 23rd Edition 2540 C
29	CHEMICAL- WATER	Surface water	Total Hardness	APHA 23rd Edition 2340 B
30	CHEMICAL- WATER	Surface water	Turbidity	APHA 23rd Edition 2130 B