National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENTAL LABORATORY, ADANI POWER RAJASTHAN LIMITED, VILLAGE: KAWAI, ATRU, BARAN, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5235 **Page No** 1 of 4

Validity 29/03/2023 to 28/03/2025 **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 Monitoring	Oxide of Nitrogen	IS:5180(P-6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (PM) 10	IS:5182(P-23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (PM) 2.5	IS 5182 (P-24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Sulphur Dioxide (SO2)	IS:5182(P-2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen (as NO2)	IS:11255(Part 7)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS:11255(Part 1)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulpur Dioxide	IS:11255(Part 2)
8	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Chlorine (Free Residual)	APHA-23rd 4500-Cl G, 2017 DPD Colorimetric Method
9	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Oxygen Dissolved (DO)	APHA-23rd -4500-O C, 2017Azide Modification method
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Chloride as Cl	APHA-23rd, 4500-Cl- B, Argentometric Method
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Oil & Grease	APHA-23rd Ed 2017- 5520D Soxhlet Extraction (PP 5-42 to PP 5-43)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Temperature	APHA-23rd Ed 2017- 2550 B (PP 2-69 to PP 2-70)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Total Dissolved Solids	APHA 23rd Edition, 2540 C (Gravimetric Method)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Total Solids	APHA 23rd Edition, 2540 B (Gravimetric Method)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Total Suspended Solids	APHA 23rd Edition, 2540 D (Gravimetric Method)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Turbidity	APHA 23rd Edition, 2130B (Nephelometric Method)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Chemical Oxygen Demand (COD)	APHA-23rd Ed 2017- 5220B Open Reflux Method (PP 5-17 to PP 5-18)

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18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Total Phosphorous (PO4-)	APHA-23rd -4500-P D, Stannous Chloride Method
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Biochemical Oxygen Demand (BOD)	IS: 3025 (P-44)-1993 R-1999 Ad.1 BOD 3-days at 27 ºC
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Conductivity	APHA-23rd, 2510 B
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	pH	APHA 23rd Edition/4500 H+B Electrometric Method
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Effluent	Sulphide (S)	APHA-23rd - 4500-S2 F, Idiometic Method
23	CHEMICAL- WATER	Surface & Ground Water	Total Dissolved Solids	APHA-23rd - 2540C
24	CHEMICAL- WATER	Surface & Ground Water	Total Solids	APHA-23rd - 2540B
25	CHEMICAL- WATER	Surface & Ground Water	Total Suspended Solids	APHA-23rd - 2540 D
26	CHEMICAL- WATER	Surface & Ground Water	Turbidity	APHA-23rd - 2130B, Nephelometric Method
27	CHEMICAL- WATER	Surface & Ground Water	Conductivity	APHA-23rd, 2510 B
28	CHEMICAL- WATER	Ground and surface water	Alkalinity(as CaCo3)	APHA-23rd .2320 B Titration Method /IS 3025 (part 23)
29	CHEMICAL- WATER	surface & Ground water	Chloride (as Cl)	APHA-23rd 4500-Cl- B, Argentometric Method
30	CHEMICAL- WATER	Surface & Ground Water	Chlorine (Free Residual)	APHA-23rd 4500-Cl G, 2017 DPD Colorimetric Method
31	CHEMICAL- WATER	Surface & Ground Water	Dissolved Oxygen	APHA-23rd -4500-O C, Azide Modification method
32	CHEMICAL- WATER	Surface & Ground Water	Fluoride as F	APHA-23rd -4500-FD SPADNS Method
33	CHEMICAL- WATER	surface & Ground water	Hardness	APHA-23rd -2340C, 2017 EDTA titrametric Method
34	CHEMICAL- WATER	Surface & Ground Water	pH	APHA-23rd -4500- H+B, Electrometric Method
35	CHEMICAL- WATER	Surface & Ground Water	Phosphorous (as phosphate)	APHA-23rd -4500-P D Stannous Chloride Method
36	CHEMICAL- WATER	Surface & Ground Water	Temperature	APHA-23rd - 2550 B

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Oxide of Nitrogen	IS:5180(P-6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (PM) 10	IS:5182(P-23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (PM) 2.5	IS 5182 (P-24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Sulphur Dioxide (SO2)	IS:5182(P-2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Continuous Emission Monitoring System	Oxides of Nitrogen	USEPA ALT004 Method 7E
6	CHEMICAL- ATMOSPHERIC POLLUTION	Continuous Emission Monitoring System	PM	USEPA ALT004 Method 3A & 6C
7	CHEMICAL- ATMOSPHERIC POLLUTION	Continuous Emission Monitoring System	Sulphur Dioxide	USEPA ALT004 Method 6C
8	CHEMICAL- ATMOSPHERIC POLLUTION	Continuous Weather Monitoring Station	Barometric Pressure	Lab SOP No. APRL/ENV-LB/SOP/25
9	CHEMICAL- ATMOSPHERIC POLLUTION	Continuous Weather Monitoring Station	Rain Fall	Lab SOP No. APRL/ENV-LB/SOP/25
10	CHEMICAL- ATMOSPHERIC POLLUTION	Continuous Weather Monitoring Station	Relative Humidity	APRL/ENV-LB/SOP/25
11	CHEMICAL- ATMOSPHERIC POLLUTION	Continuous Weather Monitoring Station	Temperature	Lab SOP No. APRL/ENV-LB/SOP/25
12	CHEMICAL- ATMOSPHERIC POLLUTION	Continuous Weather Monitoring Station	Wind Direction	Lab SOP No. APRL/ENV-LB/SOP/25
13	CHEMICAL- ATMOSPHERIC POLLUTION	Continuous Weather Monitoring Station	Wind Speed	APRL/ENV-LB/SOP/25
14	CHEMICAL- ATMOSPHERIC POLLUTION	Noise-Ambient	Noise Levels Leq dB(A)	IS 9989
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen (as NO2)	IS:11255(Part 7)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS:11255(Part 1)
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulpur Dioxide	IS:11255(Part 2)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Continuous Effluent Quality Monitoring System (CEQMS) Outlet of ETP	Total Suspended Solids (TSS)	Lab SOP No. APRL/ENV-LB/SOP/28

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Continuous Effluent Quality Monitoring System (CEQMS) Outlet of ETP	pH	Lab SOP No. APRL/ENV-LB/SOP/28