National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENTAL LABORATORY- ADANI POWER (MUNDRA) LIMITED, VILLAGE: TUNDA & SIRACHA, TALUKA: MUNDRA, MUNDRA, KUTCH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5215 **Page No** 1 of 2

Validity 29/05/2022 to 28/05/2024 **Last Amended on** 22/06/2022

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	Oxides of Nitrogen (NOX)	IS 5182 (Part-6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (PM 10)	IS 5182 (Part-23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (PM 2.5)	IS 5182 (Part 24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Sulphur Dioxide (SO2)	IS 5182 (part-2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Noise-Ambient	Noise Levels Leq dB(A) Ambient	IS 9989
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emissions	Particulate Matter (Stack Emissions)	IS 11255 (Part-1)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emissions	Sulphur Dioxide (Stack Emissions)	IS 11255 (Part-2)
8	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Ammonia (NH3-N)	APHA-23rd Ed.4500- MH3 (F)
9	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Biochemical Oxygen Demand (BOD) for 3 days at 27 AºC	IS: 3025 (Part-44)
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Chemical Oxygen Demand (COD)	APHA-23rd Ed. 5220 (B)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Chloride (As Cl)	APHA-23rd Ed.4500- Cl (B)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Chlorine (Free Residual)	APHA-23rd Ed.4500- Cl (B)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Color	APHA-23rd Ed.2120 (C)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Conductivity	APHA-23rd Ed.2510 (B)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Dissolved Oxygen (DO)	APHA-23rd Ed.4500- O (C)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Fluoride as F	APHA-23rd Ed.4500- F (D)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Hexavalent Chromium	APHA-23rd Ed.3500- Cr (B)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Nitrate (as NO3)	APHA-23rd Ed.4500- NO3 (B)

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Certificate Number TC-5215 **Page No** 2 of 2

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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
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Oil & Grease	APHA-23rd Ed.5220 (B)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	pH Value	APHA-23rd Ed.4500- H+ (B)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Phosphorous (P)	APHA-23rd Ed.4500- P (D)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Sulphate (as SO4)	APHA-23rd Ed.4500- SO42- (E)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Temperature	APHA-23rd Ed.2550 (B)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Total Dissolved Solids	APHA-23rd Ed.2540 (C)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Total Solids	APHA-23rd Ed.2540 (B)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water / Effluent	Total Suspended Solids	APHA-23rd Ed.2540 (D)
27	CHEMICAL- WATER	Surface & Ground Water	Alkalinity (as CaCO3)	APHA-23rd Ed.2320 (B)
28	CHEMICAL- WATER	Surface & Ground Water	Ammonia (NH3-N)	PHA-23rd Ed. 4500-NH3(F)
29	CHEMICAL- WATER	Surface & Ground Water	Calcium Hardness	APHA-23rd Ed.2340 (C)
30	CHEMICAL- WATER	Surface & Ground Water	Chloride (As Cl)	APHA-23rd Ed.4500-Cl (B)
31	CHEMICAL- WATER	Surface & Ground Water	Chlorine (Free Residual)	APHA-23rd Ed.4500- Cl (B) (B)
32	CHEMICAL- WATER	Surface & Ground Water	Conductivity	APHA-23rd Ed.2510 (B)
33	CHEMICAL- WATER	Surface & Ground Water	Dissolved Oxygen (DO)	APHA-23rd Ed. 4500-O (C)
34	CHEMICAL- WATER	Surface & Ground Water	Fluoride as F	APHA-23rd Ed. 4500-F (D)
35	CHEMICAL- WATER	Surface & Ground Water	Hexavalent Chromium	APHA-23rd Ed. 3500-Cr (B)
36	CHEMICAL- WATER	Surface & Ground Water	Nitrate, Nitrogen (as NO3-N)	APHA-23rd Ed.4500- NO3 (B)
37	CHEMICAL- WATER	Surface & Ground Water	Phosphorous (P)	APHA-23rd Ed.4500- P (D)
38	CHEMICAL- WATER	Surface & Ground Water	Sulphate (as SO4)	APHA-23rd Ed.4500- SO4 (E)
39	CHEMICAL- WATER	Surface & Ground Water	Temperature	APHA-23rd Ed.2550 (B)
40	CHEMICAL- WATER	Surface & Ground Water	Total Dissolved Solids	APHA-23rd Ed.2540 (C)
41	CHEMICAL- WATER	Surface & Ground Water	Total Hardness(as CaCO3)	APHA-23rd Ed.2340 (C)
42	CHEMICAL- WATER	Surface & Ground Water	Total Solids	APHA-23rd Ed.2540 (B)
43	CHEMICAL- WATER	Surface & Ground Water	Total Suspended Solids	APHA-23rd Ed.2540 (D)
44	CHEMICAL- WATER	Surface and Ground Water	pH Value	APHA-23rd Ed. 4500H+ (B)