National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT LABORATORY, TATA STEEL LIMITED, MERAMANDALI, NARENDRAPUR, PO - KUSUPANGA, MERAMANDALI, DHENKANAL, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 02/09/2022 to 01/09/2024 **Last Amended on** 28/09/2022

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	Oxides of Nitrogen	IS 5182 (Part 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM 10)	IS 5182 (Part 23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM 2.5)	IS 5182 (Part 24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide as SO2	IS 5182 (Part 2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Leq Day	Protocol for Ambient Level Noise Monitoring, CPCB
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Leq Night	Protocol for Ambient Level Noise Monitoring, CPCB
7	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise/ Work Zone Noise	Noise Level	Protocol for Ambient Level Noise Monitoring, CPCB
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide as CO2	USEPA Method-3A
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide as CO	USEPA Method-10
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen as NOx	USEPA Method-7E
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen as O2	USEPA Method-3A
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 (Part 1)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide as SO2	USEPA Method-6C
14	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Cyanide as CN	IS 3025 (Part 27)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Nitrate as N	USEPA Method-9210A
16	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Ammoniacal Nitrogen	IS 3025 (Part 34)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Chemical Oxygen Demand	IS 3025 (Part 58)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Chloride as Cl	IS 3025 (Part 32)

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Chromium as Cr	IS 3025 (Part 52/Clause 6.5.3)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Copper as Cu	IS 3025 (Part 42)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Dissolved Oxygen (DO)	IS 3025 (Part 38)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Fluoride as F	IS 3025 (Part 60)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Iron as Fe	IS 3025 (Part 53)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	Oil & Grease	IS 3025 (Part 39)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage Water	pH	IS 3025 (Part 11)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Swage Water	Biological Oxygen Demand (3 Days @ 27 °C)	IS 3025 (Part 44)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Swage Water	Phosphate	IS 3025 (Part 31)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage Water	Total Suspended Solids	IS 3025 (Part 17)
29	CHEMICAL- WATER	Surface Water	Total Suspended Solids	IS 3025 (Part 17)
30	CHEMICAL- WATER	Surface Water	Nitrate as N	IS 3025 (Part 34)
31	CHEMICAL- WATER	Surface Water	Alkalinity as CaCO3	IS 3025 (Part 23)
32	CHEMICAL- WATER	Surface Water	Biological Oxygen Demand (3 Days @ 27 °C)	IS 3025 (Part 44)
33	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part 40)
34	CHEMICAL- WATER	surface Water	Chemical Oxygen Demand	IS 3025 (Part 58)
35	CHEMICAL- WATER	Surface Water	Chloride as Cl	IS 3025 (Part 32)
36	CHEMICAL- WATER	Surface Water	Cyanide as CN	IS 3025 (Part 27)
37	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part 38)
38	CHEMICAL- WATER	Surface Water	Fluoride as F	IS 3025 (Part 60)
39	CHEMICAL- WATER	Surface Water	Iron as Fe	IS 3025 (Part 53)
40	CHEMICAL- WATER	Surface Water	Magnesium as Mg	IS 3025 (Part 46)
41	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part 11)
42	CHEMICAL- WATER	surface Water	Phosphate as PO4	IS 3025 (Part 31)

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43	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 (Part 16)
44	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	IS 3025 (Part 21)