National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PAPER TESTING LABORATORY AND ENVIRONMENT MANAGEMENT DIVISION, CENTRAL PULP AND PAPER RESEARCH INSTITUTE, PAPER MILL ROAD, HIMMAT NAGAR, SAHARANPUR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8658 **Page No** 1 of 3

Validity 19/09/2022 to 18/09/2024 **Last Amended on** 16/12/2022

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	Air	Fine Particulate Matter (PM2.5)	IS 5182 (Part-24)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Air	Oxides of Nitrogen (NO2)	IS 5182 (Part-6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Air	Respirable Suspended Particulate Matter (PM10)	IS 5182 (Part-23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Air	Sulphur Dioxide (SO2)	IS 5182 (Part-2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Carbon Dioxide (CO2)	IS 13270 Clause 4 Orsat Analysis
6	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Carbon Monoxide (CO)	IS 13270 Clause 4 Orsat Analysis
7	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Hydrogen Sulphide (H2S)	IS 11255 (Part-4)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Oxides of Nitrogen (NOx)	IS 11255 (Part-7)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Oxygen (O2)	IS 13270 Clause 4 Orsat Analysis
10	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Particulate Matter (PM)	IS 11255 (Part-1)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Sulphur Dioxide (SO2)	IS 11255 (Part-2)
12	CHEMICAL- PAPER AND PULP	Paper	Ash- 525 °C	IS 1060 (part 4 / sec 2)
13	CHEMICAL- PAPER AND PULP	Paper	Ash- 900 °C	IS 1060 (part 4 / Sec 3)
14	CHEMICAL- PAPER AND PULP	Paper	ISO Brightness	IS :1060 (part 4 / sec 13)
15	CHEMICAL- PAPER AND PULP	Paper	Moisture	IS 1060 (Part 5 / Sec 2)
16	CHEMICAL- PAPER AND PULP	Paper	Opacity	IS / ISO 2471
17	CHEMICAL- PAPER AND PULP	Paper	pH Cold Extraction	ISO 6588-1
18	CHEMICAL- PAPER AND PULP	Paper	pH Hot Extraction	IS 1060 (Part 4 / Sec 7)

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Biochemical Oxygen Demand (BOD)	APHA 5210-B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Biochemical Oxygen Demand (BOD)	IS 3025 (Part-44)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Calcium (Ca)	IS 3025 (Part-40) Clause 5: EDTA Titrimetric Method
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Chemical Oxygen Demand (COD)	APHA 5220-B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Chemical Oxygen Demand (COD)	IS 3025 (Part-58)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Colour	APHA 2120-C
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Hardness (as CaCO3)	IS 3025 (Part-21) Clause 5 EDTA Method
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Magnesium (Mg)	IS 3025 (Part-46) Clause 6 Volumetric Method using EDTA
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Oil & Grease	IS 3025 (Part-39) Clause 5 Liquid-Liquid Partition Gravimetric Method
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	pH Value	APHA 4500-H+B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	pH Value	IS 3025 (Part-11)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Potassium (K)	IS 3025 (Part-45) Clause 5 Flame Photometry Method
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Sodium (Na)	IS 3025 (Part-45) Clause 5 Flame Photometry Method
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Total Dissolved Solids (TDS)	APHA 2540-C
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Total Dissolved Solids (TDS)	IS 3025 (Part-16)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Total Suspended Solids (TSS)	APHA 2540-D
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Total Suspended Solids (TSS)	IS 3025 (Part-17)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent)	Waste Water Sampling from Industrial Site	IS 3025 (Part-1)

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37	MECHANICAL- PAPER & PAPER PRODUCTS	Paper	Grammage/ Substance	IS 1060 (Part 5 / Sec 5)
38	MECHANICAL- PAPER & PAPER PRODUCTS	Paper	Water Absorptiveness (Cobb Value)	IS 1060 (Part 5 / Sec 4)
39	MECHANICAL- PAPER & PAPER PRODUCTS	Paper	Wax Pick	IS 1060 (Part III)