National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL ANALYSIS LAB, B-32, SHYAM PARK EXTENSION, SAHIBABAD, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 22/04/2022 to 21/04/2024 **Last Amended on** 27/12/2022

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
LOCATION 1-B-32, SHYAM PARK EXTENSION, SAHIBABAD, GHAZIABAD, UTTAR PRADESH, INDIA Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Nitrogen Dioxide (NO2)	IS 5182 (Part-6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Ozone (O3)	IS 5182 (Part-9)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (PM10)	IS 5182 (Part-23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Sulphur Dioxide (SO2)	IS 5182 (Part-2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen	IS 11255 (Part 7)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen	IS 11255 (Part-7)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (PM)	IS 11255 (Part-1)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide	IS 11255 (Part-2)
9	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Alumina as Al2O3	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Calcium Oxide (as CaO)	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Chloride as Cl	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Insoluble Residue	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Iron Oxide s Fe2O3	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Loss on Ignition	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Magnesium Oxide (as MgO)	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Potassium Oxide as K2O	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Silica as (SiO2)	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Sodium Oxide (Na2O)	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	Cement OPC & PPC	Total Sulphur (as SO3)	IS 4032
20	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Carbon	IS 228 (Part-1)
21	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Chromium	IS 228 (Part-6)
22	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Coating Thickness	IS 3203
23	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Copper	IS 228 (Part-15)
24	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Manganese	IS 228 (Part-2)
25	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Mass of Zinc Coating	IS 6745
26	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Nickel	IS 228 (Part-5)
27	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Phosphorus	IS 228 (Part 3)
28	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Silicon	IS 228 (Part 8)
29	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Sulphur	IS 228(Part 9)
30	CHEMICAL- METALS & ALLOYS	Steel (Plain Carbon & Low Alloy Steel Coating)	Uniformity of Coating	IS 2633
31	CHEMICAL- POLLUTION & ENVIRONMENT	Atmospheric Pollution	Ammonia (NH3)	Methods for Air Sampling and Analysis (3rd Edition): 1989 Method 801 (Indophenol Blue Method)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Atmospheric Pollution	Noise Level	IS 7194 : 1994 (RA 2008)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Atmospheric Pollution	Particular Matter (PM 2.5)	IS 5182: Part 24
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	BOD	IS 3025 (Part 44)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride (Cl)	IS 3025 (Part 32)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	COD	IS 3025 (Part 60)

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37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride (F)	IS 3025 (Part 60)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 (Part 39)R-2021
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 (Part 11)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate	IS 3025 (Part 31)R-2019
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Specific Conductivity	APHA 23rd Edition 2510B
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate (SO4)	IS 3025 (Part 24)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TDS	IS 3025 (Part 16)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	APHA 23rd Edition 2550B
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TSS	IS 3025 (Part 17)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	IS 3025 (Part-10)
47	CHEMICAL- WATER	Construction Water	Acidity	IS 3025 (Part 22)
48	CHEMICAL- WATER	Construction Water	Alkalinity	IS 3025 (Part 23)
49	CHEMICAL- WATER	Construction Water	Chloride (Cl)	IS 3025 (Part-32)
50	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (Part 16)
51	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18)
52	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
53	CHEMICAL- WATER	Construction Water	Sulphate (as SO3)	IS 3025 (Part-24)
54	CHEMICAL- WATER	Construction Water	TSS	IS 3025 (Part 17)
55	CHEMICAL- WATER	Drinking water	Calcium Hardness	IS 3025 (Part-40)
56	CHEMICAL- WATER	Drinking water	Chloride (Cl)	IS 3025 (Part- 32)
57	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part-4)
58	CHEMICAL- WATER	Drinking Water	Fluoride (F)	IS 3025 (Part-60)
59	CHEMICAL- WATER	Drinking water	Magnesium (Mg)	IS 3025 (Part 46)
60	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part-5)

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61	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (part-11)
62	CHEMICAL- WATER	Drinking Water	Sulphate (SO4)	IS 3025 (Part-24)
63	CHEMICAL- WATER	Drinking Water	TDS	IS 3025 (Part-16)
64	CHEMICAL- WATER	Drinking Water	Temperature	APHA 22nd Edition 2550B
65	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS 3025 (Part-23)
66	CHEMICAL- WATER	Drinking Water	Total Hardness (CaCO3)	IS 3025 (Part-21)
67	CHEMICAL- WATER	Surface Water/ Ground Water	Calcium Hardness	IS 3025 (Part 40)
68	CHEMICAL- WATER	Surface Water/ Ground Water	Chloride (Cl)	IS 3025 (Part 32)
69	CHEMICAL- WATER	Surface Water/ Ground Water	Colour	IS 3025 (Part-4)
70	CHEMICAL- WATER	Surface Water/ Ground Water	Fluoride (F)	IS 3025 (Part 60)
71	CHEMICAL- WATER	Surface Water/ Ground Water	Free Residual Chlorine	IS 3025 (Part 26)
72	CHEMICAL- WATER	Surface Water/ Ground Water	Magnesium (Mg)	IS 3025 (Part -46)
73	CHEMICAL- WATER	Surface Water/ Ground Water	Odour	IS 3025 (Part-5)
74	CHEMICAL- WATER	Surface Water/ Ground Water	Oil & Grease	IS 3025 (Part 39)
75	CHEMICAL- WATER	Surface Water/ Ground Water	pH	IS 3025 (Part 11)
76	CHEMICAL- WATER	Surface Water/ Ground Water	Specific Conductivity	APHA 22nd Edition 2510B
77	CHEMICAL- WATER	Surface Water/ Ground Water	Sulphate (SO4)	IS 3025 (Part-24)
78	CHEMICAL- WATER	Surface Water/ Ground Water	TDS	IS 3025 (Part 16)
79	CHEMICAL- WATER	Surface Water/ Ground Water	Temperature	APHA 22nd Edition 2550B
80	CHEMICAL- WATER	Surface Water/ Ground Water	Total Alkalinity	IS 3025 (Part 23)
81	CHEMICAL- WATER	Surface Water/ Ground Water	Total Hardness (CaCO3)	IS 3025(Part-21)
82	CHEMICAL- WATER	Surface Water/ Ground Water	TSS	IS 3025 (Part 17)
83	CHEMICAL- WATER	Surface Water/ Ground Water	Turbidity	APHA 22nd Edition 2130
84	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Fineness	IS 6186
85	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Moisture Content	IS 6186
86	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Sand Content	IS 6186
87	MECHANICAL- BUILDINGS MATERIALS	Building Bricks/Fly Ash Lime Bricks	Compressive Strength	IS 3495 (Part-1)

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88	MECHANICAL- BUILDINGS MATERIALS	Building Bricks/Fly Ash Lime Bricks	Dimensions	IS 1077
89	MECHANICAL- BUILDINGS MATERIALS	Building Bricks/Fly Ash Lime Bricks	Efflorescence	IS 3495 (Part-3)
90	MECHANICAL- BUILDINGS MATERIALS	Building Bricks/Fly Ash Lime Bricks	Water Absorption	IS 3495 (Part-2)
91	MECHANICAL- BUILDINGS MATERIALS	C.C Cube	Compressive Strength	IS 516
92	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part-6)
93	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part-4)
94	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part-11)
95	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031(Part-5)
96	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness (Blaine Air Permeability)	IS 4031 (Part-2)
97	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving	IS 4031 (Part-1)
98	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial Setting Time	IS 4031 (Part-5)
99	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatlier Method	IS 4031 (Part-3)
100	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fine Value	IS 2386 (Part-4)
101	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part-4)
102	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386(Part-1)
103	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386
104	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386(Part-4)
105	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Organic Impurities	IS 2386 (Part-2)
106	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Soundness	IS 2386 (Part-5)

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107	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material	IS 2386 (Part 1 & 2)
108	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386(Part 3)
109	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part-3)
110	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis	IS 2386 (Part-1)
111	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific garvity	IS 2386(Part 3)
112	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part-3)
113	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part-1)
114	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness	IS 2386 (Part-5)
115	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific gravity	IS 2386 (Part-3)
116	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part-3)
117	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS 2386 (Part-2)
118	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Total Deleterious Material	IS 2386 (Part 1 & 2)
119	MECHANICAL- SOIL AND ROCK	Soil	Free Swelling Index	IS 2720 (Part-40)
120	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
121	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
122	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)
123	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis (4.75 mm to 75 micron)	IS 2720 (Part-4)
124	MECHANICAL- SOIL AND ROCK	Soil	Water Content Dry density (Heavy Compaction)	IS 2720 (Part-8)
125	MECHANICAL- SOIL AND ROCK	Soil	Water Content Dry Density (Light Compaction)	IS 2720 (Part-7)

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LOCATION 2 - SHOP NO. 3/1, DADA MARKET, RAILWAY STATION ROAD SAHAIBABAD, GHAZIABAD, UTTAR PRADESH, INDIA Permanent Facility				
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BAR FOR REINFORMENT	MASS	IS: 1786
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS FOR REINFORCEMENT	BEND TEST	IS:1599
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS FOR REINFORCEMENT	ELONGATION	IS:1608 P1
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS FOR REINFORCEMENT	RE-BEND	IS:1786
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS FOR REINFORCEMENT	TENSILE STRENGTH	IS:1608 P 1
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS FOR REINFORCEMENT	TOTAL ELONGATION	IS:1608 P 1
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS FOR REINFORCEMENT	YIELD STRESS/0.2 %PROOF STRESS	IS:1608 P 1
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	G.I PIPE/M.S.PIPE	MASS	IS:1239 P 1
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HOLLOW SECTION STEEL	MASS	IS:4923
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HOT ROLLED STRUCTURAL STEEL	BEND TEST	IS:1599
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HOT ROLLED STRUCTURAL STEEL	BRINELL HARDNESS	ASTM A 956
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HOT ROLLED STRUCTURAL STEEL	MASS	IS:808
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HOT ROLLED STRUCTURAL STEEL	ROCKWELL HARDNESS B SCALE	ASTM A 956

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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HOT ROLLED STRUCTURAL STEEL	ROCKWELL HARDNESS C SCALE	ASTM A 956
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HOT ROLLED STRUCTURAL STEEL	TENSILE STRENGTH	IS:1608 P 1
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HOT ROLLED STRUCTURAL STEEL	VICKER HARDNESS	ASTM A 956
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HOT ROLLED STRUCTURAL STEEL	YIELD STRESS	IS:1608 P 1
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	M,.S./G.I. TUBE HOLLOW STEEL SECTION	ULTIMATE TENSILE STRENGTH	IS:1608 P 1
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	M,.S./G.I. TUBE HOLLOW STEEL SECTION	YIELD STRESS	IS:1608 P 1
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	M.S TUBE/ G.I TUBE/HOLLOW STEEL SECTION	ELONGATION	IS:1608 P 1
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	MILD STEEL TUBE/G.I TUBE	MASS	IS:1161
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PRE STRESSED STRAND WIRE/HT STRAND WIRE	0.2% PROOF LOAD	IS:1608 P 1
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PRE STRESSED STRAND WIRE/HT STRAND WIRE	BREAKING LOAD	IS:1608 P 1
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PRE STRESSED STRAND WIRE/HT STRAND WIRE	ELONGATION	IS:1608 P 1
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	PRE STRESSED STRAND WIRE/HT STRAND WIRE	MASS	IS:1608 P 1
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	REINFORCEMENT OF COUPLER FOR MECHANICAL SPLICE BAR	BREAKING LOAD	IS:1608 P 1
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	REINFORCEMENT OF COUPLER FOR MECHANICAL SPLICE BAR	LOCATION OF FAILIURE	IS:1608 P 1

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28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	REINFORCEMENT OF COUPLER FOR MECHANICAL SPLICE BAR	SLIP TEST	IS:1608 P 1
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	REINFORCEMENT OF COUPLER FOR MECHANICAL SPLICE BAR	STATIC TENSILE TEST	IS:1608 P 1
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	WELDED & WELD SPECIMENS	TENSILE STRENGTH	IS: 3600 P 4