National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDUSTRIAL RADIOGRAPHIC SERVICES PRIVATE LIMITED, G-16, CHAMBAL INDUSTRIAL AREA, KOTA, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10771 **Page No** 1 of 5

Validity 01/07/2022 to 30/06/2024 **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- BUILDING MATERIAL	Aggregates	Alkali Reactivity (Chemical Method)	IS 2386 (Part 7)
2	CHEMICAL- BUILDING MATERIAL	Aggregates	Soluble Sulphate (as SO3)	IS 4032
3	CHEMICAL- BUILDING MATERIAL	Aggregates	Water Soluble Chloride	IS 14959 (Part 2)
4	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Aluminium as Al2O3	IS 4032
5	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Calcium as CaO	IS 4032
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Chloride as Cl	IS 4032
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Insoluble Residue	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Iron as Fe2O3	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Loss on Ignition	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Magnesium as MgO	IS 4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Potassium as K2O	IS 4032
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Silica as SiO2	IS 4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Sodium as Na2O	IS 4032
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC/PPC)	Sulphate as SO3	IS 4032
15	CHEMICAL- BUILDING MATERIAL	Concrete	Acid Soluble Chloride	IS 14959 (Part 2)
16	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Ash Content	IS 9103
17	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Chloride	IS 6925
18	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Density	IS 9103

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19	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Dry Material Content	IS 9103
20	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	pH Value	IS 9103
21	CHEMICAL- BUILDING MATERIAL	Fly Ash & Pozzolanic	Aluminium as Al2O3 + Iron as Fe2O3	IS 1727
22	CHEMICAL- BUILDING MATERIAL	Fly Ash & Pozzolanic	Chloride as Cl	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Fly Ash & Pozzolanic	Loss on Ignition	IS 1727
24	CHEMICAL- BUILDING MATERIAL	Fly Ash & Pozzolanic	Magnesium as MgO	IS 1727
25	CHEMICAL- BUILDING MATERIAL	Fly Ash & Pozzolanic	Potassium as K2O	IS 3812 (Part 1)
26	CHEMICAL- BUILDING MATERIAL	Fly Ash & Pozzolanic	Silica as SiO2	IS 1727
27	CHEMICAL- BUILDING MATERIAL	Fly Ash & Pozzolanic	Sodium as Na2O	IS 3812 (Part 1)
28	CHEMICAL- BUILDING MATERIAL	Fly Ash & Pozzolanic	Sulphate as SO3	IS 1727
29	CHEMICAL- WATER	Water for Construction Purpose	Acidity by 0.02 N NaOH	IS 3025 (Part 22)
30	CHEMICAL- WATER	Water for Construction Purpose	Alkalinity by 0.02 N H2SO4	IS 3025 (Part 23)
31	CHEMICAL- WATER	Water for Construction Purpose	Chloride	IS 3025 (Part 32)
32	CHEMICAL- WATER	Water for Construction Purpose	Inorganic Matter	IS 3025 (Part 18)
33	CHEMICAL- WATER	Water for Construction Purpose	Organic Matter	IS 3025 (Part 18)
34	CHEMICAL- WATER	Water for Construction Purpose	pH Value	IS 3025 (Part 11)
35	CHEMICAL- WATER	Water for Construction Purpose	Sulphate as SO3	IS 3025 (Part 24, Section 1)
36	CHEMICAL- WATER	Water for Construction Purpose	Total Suspended Matter	IS 3025 (Part 17)
37	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
38	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Length	IS 3495 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Bricks	Height	IS 3495 (Part 4)
40	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)

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41	MECHANICAL- BUILDINGS MATERIALS	Bricks	Width	IS 3495 (Part 4)
42	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 33 Gr., OPC 43 Gr., OPC 53 Gr.)	Compressive Strength	IS 4031 (Part 6)
43	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 33 Gr., OPC 43 Gr., OPC 53 Gr.)	Consistency	IS 4031 (Part 4)
44	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 33 Gr., OPC 43 Gr., OPC 53 Gr.)	Final Setting Time	IS 4031 (Part 5)
45	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 33 Gr., OPC 43 Gr., OPC 53 Gr.)	Fineness	IS 4031 (Part 2)
46	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 33 Gr., OPC 43 Gr., OPC 53 Gr.)	Initial Setting Time	IS 4031 (Part 5)
47	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 33 Gr., OPC 43 Gr., OPC 53 Gr.)	Soundness by Autoclave Method	IS 4031 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 33 Gr., OPC 43 Gr., OPC 53 Gr.)	Soundness by Le-chatelier	IS 4031 (Part 3)
49	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC-Fly Ash-Calcined Clay Based)	Compressive Strength	IS 4031 (Part 6)
50	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC-Fly Ash-Calcined Clay Based)	Consistency	IS 4031 (Part 4)
51	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC-Fly Ash-Calcined Clay Based)	Final Setting Time	IS 4031 (Part 5)
52	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC-Fly Ash-Calcined Clay Based)	Fineness	IS 4031 (Part 2)
53	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC-Fly Ash-Calcined Clay Based)	Initial Setting Time	IS 4031 (Part 5)
54	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC-Fly Ash-Calcined Clay Based)	Soundness by Autoclave	IS 4031 (Part 3)
55	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC-Fly Ash-Calcined Clay Based)	Soundness by Le-chatelier	IS 4031 (Part 3)
56	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Abrasion Value	IS 2386 (Part 4)
57	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
58	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
59	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Deleterious Matter Aggregate and Organic Impurities	IS 2386 (Part 2)

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60	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
61	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
62	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
63	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve Size: 100 mm to 1.7 mm)	IS 2386 (Part 1)
64	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (Part 5)
65	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
66	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Ten Percent Fines Value	IS 2386 (Part 4)
67	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
68	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
69	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516
70	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
71	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Matter	IS 2386 (Part 2)
72	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (Sieve Size: 4.75 mm to 75 microns)	IS 2386 (Part 1)
73	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Silt Contents	IS 2386 (Part 2)
74	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness	IS 2386 (Part 5)
75	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
76	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
77	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength at 28 Days	IS 1727
78	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness	IS 1727

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79	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Lime Reactivity	IS 1727
80	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particle Retained on 45 Micron	IS 1727
81	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by Auto Clave	IS 1727
82	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
83	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
84	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit (Liquid Limit)	IS 2720 (Part 5)
85	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit (Plastic Limit)	IS 2720 (Part 5)
86	MECHANICAL- SOIL AND ROCK	Soil	CBR California Bearing ratio (Soaked, Un Soaked)	IS 2720 (Part 16)
87	MECHANICAL- SOIL AND ROCK	Soil	FSI (Free Swelling Index)	IS 2720 (Part 40)
88	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (100 mm to 4.75 mm)	IS 2720 (Part 4)
89	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Hydro Meter 75 micron to 1 micron)	IS 2720 (Part 4)
90	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Wet 4.75 mm to 75 micron)	IS 2720 (Part 4)
91	MECHANICAL- SOIL AND ROCK	Soil	Proctor Compaction Test (Heavy)	IS 2720 (Part 8)
92	MECHANICAL- SOIL AND ROCK	Soil	Proctor Compaction Test (Light) Moisture Content	IS 2720 (Part 7)
93	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 1)