National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ASSOCIATED TESTING LABORATORIES INDIA PVT. LTD., 3/6, UPSIDC, SITE-II, AJANTA COMPOUND, GHAZIABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8144 **Page No** 1 of 6

Validity 09/08/2022 to 08/08/2024 **Last Amended on** 02/09/2022

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- BUILDING MATERIAL	Admixture	Ash Content	IS:9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS:9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS:9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS:9103
6	CHEMICAL- BUILDING MATERIAL	Aggregates (coarse)	Alkali aggregate reactivity	IS 2386 (Part-7)
7	CHEMICAL- BUILDING MATERIAL	Aggregates (Coarse)	Chloride	IS 14959 (part-2)
8	CHEMICAL- BUILDING MATERIAL	Aggregates (coarse)	Sulphate	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC & PPC)	Alumina as Al2O3	IS:4032
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC & PPC)	Ferric Oxide as Fe2O3	IS:4032
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC & PPC)	Insoluble Residue	IS:4032
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC & PPC)	Lime as CaO	IS:4032
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC & PPC)	Loss on Ignition	IS:4032
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC & PPC)	Magnesia as MgO	IS:4032
15	CHEMICAL- BUILDING MATERIAL	Cement (OPC & PPC)	Silica	IS:4032
16	CHEMICAL- BUILDING MATERIAL	Cement (OPC & PPC)	Sulphuric Anhydride as SO3	IS:4032
17	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Chloride	4032
18	CHEMICAL- METALS & ALLOYS	Galvanized Steel Product	Uniformity Test	IS:2633

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8144	**Page No**	2 of 6
Validity	09/08/2022 to 08/08/2024	**Last Amended on**	02/09/2022

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19	CHEMICAL- METALS & ALLOYS	Mild Steel & Low Alloy Steel	Carbon	IS:228 (Part 1)
20	CHEMICAL- METALS & ALLOYS	Mild Steel & Low Alloy Steel	Chromium	IS:228(Part-6)
21	CHEMICAL- METALS & ALLOYS	Mild Steel & Low Alloy Steel	Manganese	IS:228 (Part 2)
22	CHEMICAL- METALS & ALLOYS	Mild Steel & Low Alloy Steel	Molybdenum	IS:228(Part-7)
23	CHEMICAL- METALS & ALLOYS	Mild Steel & Low Alloy Steel	Nickel	IS:228(Part-5)
24	CHEMICAL- METALS & ALLOYS	Mild Steel & Low Alloy Steel	Phosphorus	IS:228 (Part 3)
25	CHEMICAL- METALS & ALLOYS	Mild Steel & Low Alloy Steel	Silicon	IS:228 (Part 8)
26	CHEMICAL- METALS & ALLOYS	Mild Steel & Low Alloy Steel	Sulphur	IS:228 (Part 9)
27	CHEMICAL- WATER	Construction Water	Chloride as Cl	IS:456:2000/IS:3025 (Part-32)
28	CHEMICAL- WATER	Construction Water	Inorganic matter	IS:456:2000/IS:3025 (Part-18)
29	CHEMICAL- WATER	Construction Water	Organic matter	IS:456:2000/IS:3025 (Part-18)
30	CHEMICAL- WATER	Construction Water	pH	IS:456:2000/IS:3025 (Part-11)
31	CHEMICAL- WATER	Construction Water	Sulphate as SO3	IS:456:2000/IS:3025 (Part-24)
32	CHEMICAL- WATER	Construction Water	Suspended Matter	IS:456:2000/IS:3025 (Part-17)
33	CHEMICAL- WATER	Construction Water	Vol of 0.02 H2SO4required to neutralize 100 ml sample	IS:456:2000/IS:3025 (Part-23)
34	CHEMICAL- WATER	Construction Water	Vol of 0.02 NaOH required to neutralize 100 ml sample	IS:456:2000/IS:3025 (Part-22)
35	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Bulk Density (Rodded Method)	IS:2386(Part-3)
36	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Crushing value	IS:2386(Part-4)
37	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Deleterious Material finer than 75 microns sieve	IS:2386(Part-1)
38	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Elongation Index	IS:2386 (Part-1)
39	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Impact Value	IS:2386 (Part-4)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8144	**Page No**	3 of 6
Validity	09/08/2022 to 08/08/2024	**Last Amended on**	02/09/2022

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40	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Los-Angeles Abrasion Value	IS:2386(Part-4)
41	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Soundness (MgSo4)	IS:2386(Part-5)
42	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Specific gravity	IS:2386(Part-3)
43	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Stripping Value	IS:6241
44	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Coarse)	Water Absorption	IS:2386(Part-3)
45	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulk Density (Rodded Method)	IS:2386(Part-3)
46	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Bulking of Sand	CPWD Secification
47	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Deleterious Material	IS:2386(Part-1)
48	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Material finer than 75 microns sieve	IS:2386(Part-1)
49	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Organic Impurities	IS:2386(Part-2)
50	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Sieve Analysis (10 mm to 75 micron Sieves)	IS:2386(Part-1)
51	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Soundness (MgSo4)	IS:2386(Part-5)
52	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Specific gravity	IS:2386(Part-3)
53	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Fine)	Water absorption	IS:2386(Part-3)
54	MECHANICAL- BUILDINGS MATERIALS	Bitumen Core	Binder Content	IRC:SP-11
55	MECHANICAL- BUILDINGS MATERIALS	Brick/Fly Ash Bricks	Compressive strength	IS:3495(Part-2)
56	MECHANICAL- BUILDINGS MATERIALS	Brick/Fly Ash Bricks	Dimensions (Length)	IS:1077
57	MECHANICAL- BUILDINGS MATERIALS	Brick/Fly Ash Bricks	Dimensions (Thickness)	IS:1077
58	MECHANICAL- BUILDINGS MATERIALS	Brick/Fly Ash Bricks	Dimensions (Width)	IS:1077

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8144 **Page No** 4 of 6

Validity 09/08/2022 to 08/08/2024 **Last Amended on** 02/09/2022

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59	MECHANICAL- BUILDINGS MATERIALS	Brick/Fly Ash Bricks	Efflorescence	IS:3495(Part-3)
60	MECHANICAL- BUILDINGS MATERIALS	Brick/Fly Ash Bricks	Water Absorption	IS:3495(Part-2)
61	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS:4031 (Part – 6)
62	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS:4031
63	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	4031 (P-11)
64	MECHANICAL- BUILDINGS MATERIALS	Cement	Final setting time	IS:4031 (Part – 5)
65	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness Blaine’s Method	IS:4031 (Part-2)
66	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting time	IS:4031 (Part – 5)
67	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Autoclave Method	S:4031 (Part – 3)
68	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le- Chatelier Method	IS:4031 (Part – 3)
69	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS:2386 (Part-1)
70	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate (80 mm to 2.36 mm Sieves)	Sieve Analysis (Grading)	IS:2386(Part-1)
71	MECHANICAL- BUILDINGS MATERIALS	Concrete / Concrete Cube	Compressive Strength	IS:516
72	MECHANICAL- BUILDINGS MATERIALS	Concrete / Concrete Cube	Concrete permeability	MORTH
73	MECHANICAL- BUILDINGS MATERIALS	Fresh concrete	Slump Test	IS 1199 (P-2)
74	MECHANICAL- BUILDINGS MATERIALS	Precast concrete block for paving	Compressive Strength	IS:15658
75	MECHANICAL- BUILDINGS MATERIALS	Precast concrete block for paving	Water absorption	IS:15658
76	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mild Steel & Low Alloy Steel	Bend Test	IS:1599

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8144	**Page No**	5 of 6
Validity	09/08/2022 to 08/08/2024	**Last Amended on**	02/09/2022

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77	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mild Steel & Low Alloy Steel	Elongation	IS:1608
78	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mild Steel & Low Alloy Steel	Mass per meter	IS:1786
79	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mild Steel & Low Alloy Steel	Re-bend Test	IS:1786
80	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mild Steel & Low Alloy Steel	Tensile Strength	IS:1608
81	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mild Steel & Low Alloy Steel	Yield Stress	IS:1608
82	MECHANICAL- SOIL AND ROCK	Soil	Free Swell index	IS:2720(Part-40)
83	MECHANICAL- SOIL AND ROCK	Soil	Gradation	IS:2720(Part-4)
84	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Gradation)	IS: 2720(Part-4)
85	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (MDD)	IS:2720 (Part-7)
86	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction (OMC)	IS:2720 (Part-7)
87	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS:2720(Part-5)
88	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720(Part-5)
89	MECHANICAL- SOIL AND ROCK	Soil	Proctor Test (Heavy Compaction) MDD	IS 2720 (P-8)
90	MECHANICAL- SOIL AND ROCK	Soil	Proctor test (Heavy Compaction) OMC	IS 2720 (P-8)
91	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS:2720(Part-3 Sec.1)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8144	**Page No**	6 of 6
Validity	09/08/2022 to 08/08/2024	**Last Amended on**	02/09/2022

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Carbonation test	IS 516 (Part 5/Sec 3)
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Half -cell potentials of uncoated reinforcing steel in concrete	IS 516 (Part 5/sec 2)
3	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Low strain impact Pile Integrity test	IS 14893 & ASTM D 5882
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Rebound Hammer Test	IS 516 (Part 5/Sec. 4)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Ultrasonic Pulse Velocity Test	IS 516 (part 5/Sec-1)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete Pile	Ultrasonic cross hole testing for Pile Integrity of deep foundation	ASTM D6760
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Load Test on pile	Load Test on pile	IS 2911 (P-4)