National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TOP-NOTCH TESTING SERVICES PRIVATE LIMITED, PLOT NO. 12/ SOUTHERN PART, BLOCK A, SY. NO. 2/A, 2/E, 9 & 11, RK FARMS, HIMAYAT SAGAR VILLAGE, GANDIPET MANDAL, HYDERABAD, TELANGANA, INDIA

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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 Content	IS 9103
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	Coarse Aggregate	Chlorides	BS 812 (Part 117)
7	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Sulphate Content	BS 812 (Part 118)
8	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide(CaO)	IS 1727
9	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride	IS 4032
10	CHEMICAL- BUILDING MATERIAL	Fly Ash	Combined Ferric Oxide and Alumina(R_2O_3)	IS 1727
11	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on Ignition	IS 1767
12	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia	IS 1727
13	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica(SiO_2)	IS 1727
14	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride(SO_3)	IS 1727
15	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Alumina(Al_2O_3)	IS 4032
16	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Calcium Oxide(CaO)	IS 4032
17	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Chlorides	IS 4032
18	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Ferric Oxide(Fe_2O_3)	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Insoluble Residue	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Loss on Ignition	IS 4032
21	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Magnesia(MgO)	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Silica(SiO2)	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Sulphuric Anhydride(SO3)	IS 4032
24	CHEMICAL- BUILDING MATERIAL	OPC (Ordinary Portland Cement)/PPC (Portland Pozzolana Cement)	Alumina(Al2O3)	IS 4032
25	CHEMICAL- BUILDING MATERIAL	OPC (Ordinary Portland Cement)/PPC (Portland Pozzolana Cement)	Calcium Oxide(CaO)	IS 4032
26	CHEMICAL- BUILDING MATERIAL	OPC (Ordinary Portland Cement)/PPC (Portland Pozzolana Cement)	Chloride	IS 4032
27	CHEMICAL- BUILDING MATERIAL	OPC (Ordinary Portland Cement)/PPC (Portland Pozzolana Cement)	Ferric Oxide(Fe2O3)	IS 4032
28	CHEMICAL- BUILDING MATERIAL	OPC (Ordinary Portland Cement)/PPC (Portland Pozzolana Cement)	Insoluble Residue	IS 4032
29	CHEMICAL- BUILDING MATERIAL	OPC (Ordinary Portland Cement)/PPC (Portland Pozzolana Cement)	Loss on Ignition	IS 4032
30	CHEMICAL- BUILDING MATERIAL	OPC (Ordinary Portland Cement)/PPC (Portland Pozzolana Cement)	Magnesia(MgO)	IS 4032
31	CHEMICAL- BUILDING MATERIAL	OPC (Ordinary Portland Cement)/PPC (Portland Pozzolana Cement)	Silica(Si02)	IS 4032
32	CHEMICAL- BUILDING MATERIAL	OPC (Ordinary Portland Cement)/PPC (Portland Pozzolana Cement)	Sulphuric Anhydride(SO3)	IS 4032
33	CHEMICAL- METALS & ALLOYS	Carbon steel	Carbon	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorus	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	IS 8811
36	CHEMICAL- WATER	Construction Water	Acidity(To neutralize 100 ml of water)	IS 3025(Part-22)
37	CHEMICAL- WATER	Construction Water	Alkalinity(To neutralize 100 ml of water)	IS 3025(Part 23)

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38	CHEMICAL- WATER	Construction Water	Chloride Content	IS 3025(Part 32)
39	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025(Part 18)
40	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025(Part 18)
41	CHEMICAL- WATER	Construction Water	pH value	IS 3025(Part 11)
42	CHEMICAL- WATER	Construction Water	Sulphate Content	IS 3025(Part 24)
43	CHEMICAL- WATER	Construction Water	Total Suspended Solids	IS 3025(Part 17)
44	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Block Density	IS 6441(Part-1)
45	MECHANICAL- BUILDINGS MATERIALS	Autoclaved cellular concrete blocks	Compressive Strength	IS 6441(Part-5)
46	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Dimensional Analysis - Height	IS 2185(Part-3)
47	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Dimensional Analysis - Width	IS 2185(Part-3)
48	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Dimensional Analysis- Length	IS 2185(Part-3)
49	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/Fuel ash-Lime Bricks	Compressive Strength	IS 3495(Part-1)
50	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/Fuel ash-Lime Bricks	Dimensional Analysis - Height	IS 1077
51	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/Fuel ash-Lime Bricks	Dimensional Analysis - Length	IS 1077
52	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/Fuel ash-Lime Bricks	Dimensional Analysis - Width	IS 1077
53	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/Fuel ash-Lime Bricks	Efflorescence	IS 3495(Part 3)
54	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks/Fuel ash-Lime Bricks	Water Absorption	IS 3495(Part 2)
55	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blains Air Permeability	IS 4031 (Part 2)
56	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 percent Fines Value	IS 2386(Part 4)
57	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386(Part 4)
58	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS 2386(Part 2)

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59	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Combined Flakiness & Elongation Index	IS 2386(Part-1) & 383
60	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Compacted Bulk Density	IS 2386(Part-3)
61	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386(Part-4)
62	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386(Part-1)
63	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part-1)
64	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386(Part-4)
65	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loose Bulk Density	IS 2386(Part-3)
66	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material finer than 75 micron	IS 2386(Part-1)
67	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Sizes: 63 mm, 40 mm, 20 mm, 16 mm, 12.5 mm, 10 mm, 4.75 mm & 2.36 mm)	IS 2386(Part-1)
68	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386(Part-3)
69	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386(Part-3)
70	MECHANICAL- BUILDINGS MATERIALS	Concrete core	Compressive Strength	IS 516(Part-4)
71	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516(Part-1/Sec-1)
72	MECHANICAL- BUILDINGS MATERIALS	Concrete cubes	Compressive strength by accelarated curing method	IS 9013
73	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	IS 2386(Part 2)
74	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Compacted Bulk Density	IS 2386(Part-3)
75	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Loose Bulk Density	IS 2386(Part-1)
76	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material finer than 75 micron	IS 2386 (Part-1)

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77	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Sizes: 10 mm, 4.75 mm, 2.36 mm, 1.18 mm, 0.600 mm, 0.300 mm, 0.150 mm)	IS 2386(Part-1)
78	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386(Part-3)
79	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386(Part-3)
80	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Compacted Bulk Density	IS 2386 (Part-3)
81	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness	IS 1727
82	MECHANICAL- BUILDINGS MATERIALS	Flyash	Compressive Strength	IS 1727
83	MECHANICAL- BUILDINGS MATERIALS	Flyash	Lime Reactivity	IS 1727
84	MECHANICAL- BUILDINGS MATERIALS	Flyash	Particles retained on 45 micron	IS 1727
85	MECHANICAL- BUILDINGS MATERIALS	Flyash	Soundness by Autoclave	IS 1727
86	MECHANICAL- BUILDINGS MATERIALS	Flyash	Specific Gravity	IS 1727
87	MECHANICAL- BUILDINGS MATERIALS	GGBS	Slag Activity Index	IS 16714
88	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub Base)/WMM (Wet Mix Macadam)	Combined Flakiness & Elongation Index	IS 2386 (Part-1)
89	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub Base)/WMM (Wet Mix Macadam)	Impact value	IS 2386(Part 4)
90	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub Base)/WMM (Wet Mix Macadam)	Los Angeles Abrasion Value	IS 2386 (Part 4)
91	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub Base)/WMM (Wet Mix Macadam)	Sieve Analysis	IS 2386 (Part-1)
92	MECHANICAL- BUILDINGS MATERIALS	GSB (Granular Sub Base)/WMM (Wet Mix Macadam)	Water Absorption	IS 2386 (Part 3)
93	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Compressive Strength	IS 2185(Part-1)
94	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimensional Analysis - Length	IS 2185(Part-2)

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95	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimensional Analysis-Height	IS 2185(Part-2)
96	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Dimensional Analysis-Width	IS 2185(Part-2)
97	MECHANICAL- BUILDINGS MATERIALS	Hollow & Solid Concrete Blocks	Water Absorption	IS 2185(Part-1)
98	MECHANICAL- BUILDINGS MATERIALS	Hollow& Solid Concrete Blocks	Blocks Density	IS 2185(Part-1)
99	MECHANICAL- BUILDINGS MATERIALS	HSD bars & Wires for concrete Reinforcement	Bend (Mandrel Dia 24,30,32,36,40,48,50,54,60,64 ,72,80,88,90,100,110,112,125, 128,132,140,150,160,168,192 mm)	IS 1599
100	MECHANICAL- BUILDINGS MATERIALS	HSD bars & Wires for concrete Reinforcement	Nominal Mass	IS 1786
101	MECHANICAL- BUILDINGS MATERIALS	HSD bars & Wires for Concrete Reinforcement	Rebend (Mandrel Dia 32,40,48,50,56,60,70,72,84,96 ,108,112,120,126,132,140,144 ,150,154,162,168,175,180,192 ,196,198,224,252,288 mm)	IS 1786
102	MECHANICAL- BUILDINGS MATERIALS	HSD bars & Wires for Concrete reinforcement	Tensile Strength	IS 1608 (Part-1)
103	MECHANICAL- BUILDINGS MATERIALS	HSD bars & Wires for concrete reinforcement	Yield Stress	IS 1608(Part-1)
104	MECHANICAL- BUILDINGS MATERIALS	HSD bars& Wires for Concrete Reinforcement	Percentage of Elongation after Fracture	IS 1608 (Part-1)
105	MECHANICAL- BUILDINGS MATERIALS	OPC (Ordinary Portland Cement)	Compressive strength	IS 4031(Part-6)
106	MECHANICAL- BUILDINGS MATERIALS	OPC (Ordinary Portland Cement)	Density	IS 4031(Part 11)
107	MECHANICAL- BUILDINGS MATERIALS	OPC (Ordinary Portland Cement)	Final Setting Time	IS 4031(Part-5)
108	MECHANICAL- BUILDINGS MATERIALS	OPC (Ordinary Portland Cement)	Initial Setting Time	IS 4031(Part-5)
109	MECHANICAL- BUILDINGS MATERIALS	OPC (Ordinary Portland Cement)	Normal Consistency	IS 4031(Part-4)
110	MECHANICAL- BUILDINGS MATERIALS	OPC (Ordinary Portland Cement)	Soundness by Autoclave	IS 4031(Part-3)
111	MECHANICAL- BUILDINGS MATERIALS	OPC (Ordinary Portland Cement)	Soundness by Le-Chatelier	IS 4031(Part-3)

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112	MECHANICAL- BUILDINGS MATERIALS	OPC (Ordinary Portland Cement)/GGBS (Ground Granulated Blast Furnace Slag)	Fineness	IS 4031 (Part 2)
113	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Compressive Strength	IS 15658
114	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Water Absorption	IS 15658
115	MECHANICAL- BUILDINGS MATERIALS	PPC (Portland Pozzolana Cement)	Compressive Strength	IS 4031(Part 6)
116	MECHANICAL- BUILDINGS MATERIALS	PPC (Portland Pozzolana Cement)	Density	IS 4031(Part-11)
117	MECHANICAL- BUILDINGS MATERIALS	PPC (Portland Pozzolana Cement)	Final Setting Time	IS 4031(Part-5)
118	MECHANICAL- BUILDINGS MATERIALS	PPC (Portland Pozzolana Cement)	Fineness	IS 4031(Part 2)
119	MECHANICAL- BUILDINGS MATERIALS	PPC (Portland Pozzolana Cement)	Initial Setting Time	IS 4031(Part-5)
120	MECHANICAL- BUILDINGS MATERIALS	PPC (Portland Pozzolana Cement)	Normal Consistency	IS 4031(Part-4)
121	MECHANICAL- BUILDINGS MATERIALS	PPC (Portland Pozzolana Cement)	Soundness by Autoclave	IS 4031(Part-3)
122	MECHANICAL- BUILDINGS MATERIALS	PPC (Portland Pozzolana Cement)	Soundness by Le-Chatelier	IS 4031(Part-3)
123	MECHANICAL- SOIL AND ROCK	GSB (Granular Sub Base)/WMM (Wet Mix Macadam)	California Bearing Ratio	IS 2720 (Part 16)
124	MECHANICAL- SOIL AND ROCK	GSB (Granular Sub Base)/WMM (Wet Mix Macadam)	Liquid Limit	IS 2720 (Part-5)
125	MECHANICAL- SOIL AND ROCK	GSB (Granular Sub Base)/WMM (Wet Mix Macadam)	Maximum Dry Density	IS 2720 (Part 8)
126	MECHANICAL- SOIL AND ROCK	GSB (Granular Sub Base)/WMM (Wet Mix Macadam)	Optimum Moisture Content	IS 2720 (Part 8)
127	MECHANICAL- SOIL AND ROCK	GSB (Granular Sub Base)/WMM (Wet Mix Macadam)	Plastic Limit	IS 2720 (Part-5)
128	MECHANICAL- SOIL AND ROCK	Soil	Angle of Shearing Resistance	IS 2720(Part 13)
129	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720(Part-16)
130	MECHANICAL- SOIL AND ROCK	Soil	Cohesion	IS 2720(Part-13)

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131	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720(Part-40)
132	MECHANICAL- SOIL AND ROCK	Soil	Grain size Analysis	IS 2720(Part-4)
133	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720(Part-5)
134	MECHANICAL- SOIL AND ROCK	Soil	Max Dry Density by Heavy Compaction	IS 2720(Part-8)
135	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density by Light Compaction	IS 2720(Part-7)
136	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content by Heavy Compaction	IS 2720(Part-8)
137	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content by Light Compaction	IS 2720(Part-7)
138	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720(Part 5)
139	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720(Part 3/Sec I&II)
140	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part-2)
141	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Rebound Hammer	IS 516(Part5/Sec 4)
142	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete	Velocity	IS 516(Part 5/Sec 1)