National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DEEP TESTING LABORATORIES, PLOT NO. 1, RAJEEV COLONY, SOHNA SAMAYPUR ROAD, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (NH3)	IS 5182 (Part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO2)	IS 5182 (Part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (O3)	IS 5182 (Part IX)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM10)	IS 5182 (Part 23)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM2.5)	IS 5182 (Part 24)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part 2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	NOX as NO2	IS 11255 (Part 7)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 (Part 1)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (SO2)	IS 11255 (Part 2)
10	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
11	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	IS 6925
12	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
13	CHEMICAL- BUILDING MATERIAL	Admixture	pH Value	IS 9103
14	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
15	CHEMICAL- BUILDING MATERIAL	OPC	Alumina	IS 4032
16	CHEMICAL- BUILDING MATERIAL	OPC	Calcium Oxide	IS 4032
17	CHEMICAL- BUILDING MATERIAL	OPC	Chloride	IS 4032
18	CHEMICAL- BUILDING MATERIAL	OPC	Iron Oxide	IS 4032

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19	CHEMICAL- BUILDING MATERIAL	OPC	Silica	IS 4032
20	CHEMICAL- BUILDING MATERIAL	OPC/PPC	Insoluble Residue	IS 4032
21	CHEMICAL- BUILDING MATERIAL	OPC/PPC	Loss on Ignition	IS 4032
22	CHEMICAL- BUILDING MATERIAL	OPC/PPC	Magnesium Oxide	IS 4032
23	CHEMICAL- BUILDING MATERIAL	OPC/PPC	Sulphuric Anhydride (As SO3)	IS 4032
24	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (Part 23)
25	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part 40)
26	CHEMICAL- WATER	Drinking Water	Chlorides	IS 3025 (Part 32)
27	CHEMICAL- WATER	Drinking Water	Fluorides	APHA 23rd Edition
28	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium	APHA 23rd Edition
29	CHEMICAL- WATER	Drinking Water	Iron	IS 3025 (Part 53)
30	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 (Part 46)
31	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
32	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS 3025 (Part 26)
33	CHEMICAL- WATER	Drinking Water	Specific Conductivity	IS 3025 (Part 14)
34	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24)
35	CHEMICAL- WATER	Drinking Water	TDS	IS 3025 (Part 16)
36	CHEMICAL- WATER	Drinking Water	Total Chromium	APHA 23rd Edition
37	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part 21)
38	CHEMICAL- WATER	Ground Water	Alkalinity	IS 3025 (Part 23)
39	CHEMICAL- WATER	Ground Water	Calcium	IS 3025 (Part 40)
40	CHEMICAL- WATER	Ground Water	Chlorides	IS 3025 (Part 32)
41	CHEMICAL- WATER	Ground Water	Flourides	APHA 23rd Edition
42	CHEMICAL- WATER	Ground Water	Hexavalent Chromium	APHA 23rd Edition
43	CHEMICAL- WATER	Ground Water	Iron	IS 3025 (Part 53)
44	CHEMICAL- WATER	Ground Water	Magnesium	IS 3025 (Part 46)
45	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 5)

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46	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
47	CHEMICAL- WATER	Ground Water	Residual Free Chlorine	IS 3025 (Part 26)
48	CHEMICAL- WATER	Ground Water	Specific Conductivity	IS 3025 (Part 14)
49	CHEMICAL- WATER	Ground Water	Sulphate	IS 3025 (Part 24)
50	CHEMICAL- WATER	Ground Water	Total Chromium	APHA 23rd Edition
51	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
52	CHEMICAL- WATER	Ground Water	Total Hardness	IS 3025 (Part 21)
53	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
54	CHEMICAL- WATER	Water for construction purpose	Acidity	IS 3025 (Part 22)
55	CHEMICAL- WATER	Water for construction purpose	Alkalinity	IS 3025 (Part 23)
56	CHEMICAL- WATER	Water for construction purpose	Chlorides	IS 3025 (Part 32)
57	CHEMICAL- WATER	Water for construction purpose	In-Organic Solids	IS 3025 (Part 18)
58	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS 3025 (Part 18)
59	CHEMICAL- WATER	Water for construction purpose	pH Value	IS 3025 (Part 11)
60	CHEMICAL- WATER	Water for construction purpose	Sulphate	IS 3025 (Part 24)
61	CHEMICAL- WATER	Water for construction purpose	TDS	IS 3025 (Part 16)
62	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
63	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 1077
64	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS 1077
65	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 1077
66	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
67	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
68	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (Part 4)
69	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
70	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Combined Flakiness & Elongation Index	IS 2386 (Part 1)

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71	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
72	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
73	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
74	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron	IS 2386 (Part 1)
75	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	SIEVE ANALYSIS	IS 2386 (Part 1)
76	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 4)
77	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
78	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 1) Sec 1
79	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1) Sec 1
80	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
81	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer Than 75 micron	IS 2386 (Part 1)
82	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)
83	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
84	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
85	MECHANICAL- BUILDINGS MATERIALS	OPC/PPc	Compressive Strength	IS 4031 (Part 6)
86	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Consistancy	IS 4031 (Part 4)
87	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Final Setting Time	IS 4031 (Part 5)
88	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Fineness by Blaine's Air Permeability	IS 4031 (Part 2)
89	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Initial Setting time	IS 4031 (Part 5)

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90	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Paver Block	Compressive Strength	IS 15658
91	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Bend Test	IS 1599
92	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Elongation	IS 1608 (Part 1)
93	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Mass per Meter	IS 1786
94	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Re-bend Test Mandrel Size: 12,16,20,25,32,40,44,48,50,60, 100,112,125,140,150mm	IS 1786
95	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Ultimate Tensile Strength	IS 1608 (Part 1)
96	MECHANICAL- BUILDINGS MATERIALS	TMT Bar	Yield Stress	IS 1608 (Part 1)
97	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous material	Ultimate Tensile Strength	IS 1608 (Part 1)
98	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Brinell Hardness Test	IS 1500 (Part 1)
99	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Elongation	IS 1608 (Part 1)
100	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Jominey Hardenability Test	IS 3848
101	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Reduction in Area	IS 1608 (Part 1)
102	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness B	IS 1586 (Part 1)
103	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Rockwell Hardness C	IS 1586 (Part 1)
104	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials	Vickers Hardness	IS 1501 (Part 1)

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105	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Pipe	Ultimate Tensile Strength	ASME Sec-9
106	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Plate	Face Band Mandrel Diameter (12 mm, 15 mm, 32 mm, 43 mm, 50 mm, 56 mm, 65 mm, 75 mm, 100 mm, 125 mm, 140 mm, 175 mm)	ASME Sec-9
107	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Plate	Root Bend Mandrel Diameter (12 mm, 15 mm, 32 mm, 43 mm, 50 mm, 56 mm, 65 mm, 75 mm, 100 mm, 125 mm, 140 mm, 175 mm)	ASME Sec-9
108	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Plate	Side Bend Mandrel Diameter (12 mm, 15 mm, 32 mm, 43 mm, 50 mm, 56 mm, 65 mm, 75 mm, 100 mm, 125 mm, 140 mm, 175 mm)	ASME Sec-9
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welded Plate	Ultimate Tensile Strength	ASME Sec-9
110	MECHANICAL- SOIL AND ROCK	Granular Sub-Base	CBR at 98% Dry Density	IS 2720 (Part 16)
111	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Internal Friction)	IS 2720 (Part 13)
112	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
113	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density (By Sand Replacement Method)	IS 2720 (Part 28)
114	MECHANICAL- SOIL AND ROCK	Soil	Field Dry Density (Core Cutter Method)`	IS 2720 (Part 29)
115	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Sand)	IS 2720 (Part 4)
116	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Maximum Dry Density)	IS 2720 (Part 8)
117	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction (Optimum Moisture Content)	IS 2720 (Part 8)
118	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
119	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)

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120	MECHANICAL- SOIL AND ROCK	Soil	Safe Bearing Capacity by Plate Load Test	IS 1888
121	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131
122	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)