National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ARUN SOIL LAB PRIVATE LIMITED, 636/110 BUDH VIHAR, LUCKNOW, UTTAR PRADESH, 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- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Ion	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH Value	IS 9103 (Annexure E)
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC)	Chloride	IS : 4032
7	CHEMICAL- BUILDING MATERIAL	Cement (PPC)	Chloride	IS : 4032
8	CHEMICAL- BUILDING MATERIAL	Cement OPC	Alumina	IS 4032 (Clause 4.6)
9	CHEMICAL- BUILDING MATERIAL	Cement OPC	Calcium Oxide	IS 4032 (Clause 4.7)
10	CHEMICAL- BUILDING MATERIAL	Cement OPC	Ferric Oxide	IS 4032 (Clause 4.5)
11	CHEMICAL- BUILDING MATERIAL	Cement OPC	Insoluble Residue	IS 4032 (Clause 4.10)
12	CHEMICAL- BUILDING MATERIAL	Cement OPC	Loss on Ignition	IS 4032 (Clause 4.2)
13	CHEMICAL- BUILDING MATERIAL	Cement OPC	Magnesia	IS 4032 (Clause 4.8)
14	CHEMICAL- BUILDING MATERIAL	Cement OPC	Silica	IS 4032 (Clause 4.3)
15	CHEMICAL- BUILDING MATERIAL	Cement OPC	Sulphuric Anhydride	IS 4032 (Clause 4.9)
16	CHEMICAL- BUILDING MATERIAL	Cement PPC	Insoluble Residue	IS 4032 (Clause 7.4)
17	CHEMICAL- BUILDING MATERIAL	Cement PPC	Loss on Ignition	IS 4032 (Clause 7.1)
18	CHEMICAL- BUILDING MATERIAL	Cement PPC	Magnesia	IS 4032 (Clause 7.2)

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19	CHEMICAL- BUILDING MATERIAL	Cement PPC	Sulphuric Anhydride	IS 4032 (Clause 7.3)
20	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregate Reactivity (Reduction in Alkalinity)	IS 2386 (Part 7)
21	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate	Alkali Aggregtae Reactivity (Dissolved Silica)	IS 2386 (Part 7)
22	CHEMICAL- BUILDING MATERIAL	Fly Ash	Calcium Oxide	IS : 1727
23	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride	IS : 4032
24	CHEMICAL- BUILDING MATERIAL	Fly Ash	Ferric Oxide	IS : 1727
25	CHEMICAL- BUILDING MATERIAL	Fly Ash	Ferric Oxide +Alumina Oxide	IS : 1727
26	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on Ignition	IS :1727
27	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia	IS : 1727
28	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica	IS : 1727
29	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride	IS : 1727
30	CHEMICAL- METALS & ALLOYS	Steel	Carbon	IS 228 (Part 1)
31	CHEMICAL- METALS & ALLOYS	Steel	Manganese	IS 228 (Part 2)
32	CHEMICAL- METALS & ALLOYS	Steel	Phosphorus	IS 228 (Part 3)
33	CHEMICAL- METALS & ALLOYS	Steel	Silicon	IS 228 (Part 8)
34	CHEMICAL- METALS & ALLOYS	Steel	Sulphur	IS 228 (Part 9)
35	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate	IS 2720 (Part 23)
36	CHEMICAL- SOIL AND ROCK	Soil	Oraganic Matter	IS 2720 (Part 22)
37	CHEMICAL- SOIL AND ROCK	Soil	pH Value	IS 2720 (Part 26)

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38	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Solids	IS 2720 (Part 21)
39	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulfate	IS 2720 (Part 27)
40	CHEMICAL- WATER	Water for construction purpose	Acidity (Volume of 0.02N NaOH use to neutralize 100 ml sample using Phenolphthalein as indicator)	IS 3025 (Part 22)
41	CHEMICAL- WATER	Water for construction purpose	Alkalinity (Volume of 0.02N H2SO4 use to neutralize 100 ml sample using mixed indicator)	IS 3025 (Part 23)
42	CHEMICAL- WATER	Water for Construction Purpose	Chloride	IS 3025 (Part 32)
43	CHEMICAL- WATER	Water for Construction Purpose	Inorganic Solids	IS 3025 (Part 18)
44	CHEMICAL- WATER	Water for Construction Purpose	Organic Solids	IS 3025 (Part 18)
45	CHEMICAL- WATER	Water for Construction Purpose	pH Value	IS 3025 (Part 11)
46	CHEMICAL- WATER	Water for Construction Purpose	Sulfate as SO3	IS 3025 (Part 24)
47	CHEMICAL- WATER	Water for construction purpose	Suspended Matter	IS 3025 (Part 17)
48	CHEMICAL- WATER	Water for Construction Purpose	Total Dissolved Solids	IS 3025 (Part 16)
49	MECHANICAL- BUILDINGS MATERIALS	Autoclave (Aerated) Cellular Concrete Blocks	Compressive Strength	IS 6441 (Part 5)
50	MECHANICAL- BUILDINGS MATERIALS	Autoclave (Aerated) Cellular Concrete Blocks	Dimension (Height)	IS 2185 (Part 3)
51	MECHANICAL- BUILDINGS MATERIALS	Autoclave (Aerated) Cellular Concrete Blocks	Dimension (Width)	IS 2185 (Part 3)
52	MECHANICAL- BUILDINGS MATERIALS	Autoclave (Aerated) Cellular Concrete Blocks	Dimension Test (Length)	IS 2185 (Part 3)
53	MECHANICAL- BUILDINGS MATERIALS	Autoclave (Aerated) Cellular Concrete Blocks	Drying Shrinkage	IS 6441 (Part 2)
54	MECHANICAL- BUILDINGS MATERIALS	Autoclave (Aerated) Cellular Concrete Blocks	Water Absorption	IS 2185 (Part 4)
55	MECHANICAL- BUILDINGS MATERIALS	Autoclave Cellular (Aerated) Concrete Blocks	Unit Weight or Bulk Density and Moisture Content	IS 6441 (Part 1)
56	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Dry Fineness Percent	IS 6186 (Appendix A)
57	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Moisture Percent	IS 6186 (Appendix A)

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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
58	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Sand Content	IS 6186 (Appendix A)
59	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Swelling Power	IS 6186 (APPENDIX 6)
60	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Wet Fineness Percent	IS 6186 (Appendix A)
61	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Absolute Viscosity	IS 1206 (Part 2)
62	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Binder Content	IRC SP 11 (Appendix - 5C)
63	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Ductility	IS 1208
64	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Elastic Recovery	IS 15462 & IS 17079 (Annexure A)
65	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Fire Point (by Cleveland Open Cup Method)	IS 1448 (Part 69)
66	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Flash & Fire Point	IS 1209
67	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Flash Point (by Cleveland Open Cup Method)	IS 1448 (Part 69)
68	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
69	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Loss on Heating	IS 1212
70	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Marshal Stability Test	AASTHO T245
71	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Penetration	IS 1203
72	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Softening Point	IS 1205
73	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Solubility	IS 1216
74	MECHANICAL- BUILDINGS MATERIALS	Bitumen/ Modified Bitumen	Specific Gravity	IS 1202
75	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
76	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Consistency	IS 4031 (Part 4)

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77	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
78	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Final Setting time	IS 4031 (Part 5)
79	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness (By Blaine Air Permeability)	IS 4031 (Part 2)
80	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness (By Dry Sieving)	IS 4031 (Part 1)
81	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Initial Setting Time	IS 4031 (Part 5)
82	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Autoclave expansion	IS 4031 (Part 3)
83	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Soundness by Le-Chatelier expansion	IS 4031 (Part 3)
84	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines value	IS 2386 (Part 4)
85	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Crushing Value	IS 2386 (Part 4)
86	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 (Part 4)
87	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (Part 3)
88	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
89	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
90	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loss Angles Abrasion Value	IS 2386 (Part 4)
91	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (Sieve Size: 80 mm to 2.36 mm)	IS 2386 (Part 1)
92	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (with Magnesium Sulfate)	IS 2386 (Part 5)
93	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness (with Sodium Sulfate)	IS 2386 (Part 5)
94	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
95	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241

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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
96	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
97	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay, Lime/ Fly Ash Bricks	Compressive Strength	IS 3495 (Part 1)
98	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay, Lime/ Fly Ash Bricks	Dimension (Height)	IS 1077
99	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay, Lime/ Fly Ash Bricks	Dimension (Length)	IS 1077
100	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay, Lime/ Fly Ash Bricks	Dimension (Width)	IS 1077
101	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay, Lime/ Fly Ash Bricks	Efflorescence	IS 3495 (Part 3)
102	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay, Lime/ Fly Ash Bricks	Warpage	IS 3495 (Part 4)
103	MECHANICAL- BUILDINGS MATERIALS	Common Burnt Clay, Lime/ Fly Ash Bricks	Water Absorption	IS 3495 (Part 2)
104	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength Test	IS 516 (Part 1, Section 1)
105	MECHANICAL- BUILDINGS MATERIALS	Concrete Cores	Compressive Strength	IS 516 (Part 4)
106	MECHANICAL- BUILDINGS MATERIALS	Concrete Cubes	Compressive Strength	IS 516 (Part 1, Section 1)
107	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (Part 3)
108	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material (Clay Lumps)	IS 2386 (Part 2)
109	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Deleterious Material (Soft Particles)	IS 2386 (Part 2)
110	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials Finer than 75 micron	IS 2386 (Part 1)
111	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (Sieve Size: 10mm - 0.150mm)	IS 2386 (Part 1)
112	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (with Magnesium Sulfate)	IS 2386 (Part 5)
113	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness (with Sodium Sulfate)	IS 2386 (Part 5)
114	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)

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115	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
116	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Comparative Compressive Strength	IS 1727
117	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by 45 micron (Wet Sieving)	IS 1727
118	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Fineness by Blaine Air Permeability	IS 1727
119	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Lime Reactivity	IS 1727
120	MECHANICAL- BUILDINGS MATERIALS	Fly ash	Specific Gravity	IS 1727
121	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump Test	IS 1199 (Part 2)
122	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Abrasion Resistance	IS 15658
123	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Compressive Strength	IS 15658
124	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Dimension (Height)	IS 15658
125	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Dimension (Length)	IS 15658
126	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Dimension (Width)	IS 15658
127	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Water Absorption	IS 15658
128	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium & High Tensile Structural Steel	Bend Test	IS 1599
129	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium & High Tensile Structural Steel	Percentage Elongation	IS 1608 (Part 1)
130	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Medium & High Tensile Structural Steel	Yield Strength	IS 1608 (Part 1)
131	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Bend Test (Mandrel Dia - 20mm to 240mm)	IS 1599

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132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Mass per metre	IS 1786
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Percentage Elongation	IS 1608 (Part 1)
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Re-Bend Test (Mandrel Dia-32mm to 320mm)	IS 1786
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Tensile Strength	IS 1608 (Part 1)
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Bar	Yield Strength	IS 1608 (Part 1)
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcement Coupler's for Mechanical Splices of Bars in Concrete	Tensile Strength	IS 16172
138	MECHANICAL- SOIL AND ROCK	Clay & Soil	Consolidated Drained Triaxial Compression With the Measurement of Pore Water Pressure Measurement (Change in Volume)	IS 2720 (Part 12)
139	MECHANICAL- SOIL AND ROCK	Clay & Soil	Consolidated Undrained Triaxial Test with Measurement of Pore Water Pressure (Cohesion)	IS 2720 (Part 12)
140	MECHANICAL- SOIL AND ROCK	Clay & Soil	Consolidated Undrained Triaxial Test with Meaurement of Pore Water Pressure (Ø')	IS 2720 (Part 12)
141	MECHANICAL- SOIL AND ROCK	Clay & Soil	Consolidated Undrained Triaxial Test with Meaurement of Pore Water Pressure (Pore Water Pressure Measurement)	IS 2720 (Part 12)
142	MECHANICAL- SOIL AND ROCK	Clay & Soil	Differential Free Swell Index	IS 2720 (Part 40)
143	MECHANICAL- SOIL AND ROCK	Clay & Soil	Optimum Moisture Content	IS 2720 (Part 7)
144	MECHANICAL- SOIL AND ROCK	Clay & Soil	Optimum Moisture Content	IS 2720 (Part 8)

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145	MECHANICAL- SOIL AND ROCK	Clay & Soil	Unconsolidated Undrained Triaxial Compression Without the Measurement of Pore Water Pressure Measurement (Angle of Internal Friction)	IS 2720 (Part 11)
146	MECHANICAL- SOIL AND ROCK	Rock Cores	Density	IS 13030
147	MECHANICAL- SOIL AND ROCK	Rock Cores	Method for Determination of Strength of Rock Materials in Triaxial Compression (Angle of Internal Friction)	IS 13047
148	MECHANICAL- SOIL AND ROCK	Rock Cores	Method for Determination of Strength of Rock Materials in Triaxial Compression (Apparent Cohesion)	IS 13047
149	MECHANICAL- SOIL AND ROCK	Rock Cores	Moisture Content	IS 13030
150	MECHANICAL- SOIL AND ROCK	Rock Cores	Point Load Index Test	IS 8764
151	MECHANICAL- SOIL AND ROCK	Rock Cores	Slake Durability	IS 10025
152	MECHANICAL- SOIL AND ROCK	Rock Cores	Uniaxial Compressive Strength Test	IS 9143
153	MECHANICAL- SOIL AND ROCK	Soil	Atterberg Limit - Plastic Limit	IS 2720 (Part 5)
154	MECHANICAL- SOIL AND ROCK	Soil	Attereberg Limit - Liquid Limit	IS 2720 (Part 5)
155	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
156	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15)
157	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Internal Friction)	IS 2720 (Part 13)
158	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (100 mm - 0.075 mm)	IS 2720 (Part 4)
159	MECHANICAL- SOIL AND ROCK	Soil	Laboratory Vane Shear Test	IS 2720 (Part 30)
160	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density	IS 2720 (Part 7)

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161	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density	IS 2720 (Part 8)
162	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
163	MECHANICAL- SOIL AND ROCK	Soil	Permeability	IS 2720 (Part 17)
164	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
165	MECHANICAL- SOIL AND ROCK	Soil	Silt Factor	IRC 5 (Section I)
166	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/Section 1)
167	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
168	MECHANICAL- SOIL AND ROCK	Soil	Unconfined Compressive Strength	IS 2720 (Part 10)
169	MECHANICAL- SOIL AND ROCK	Soil	Unconsolidated Undrained Triaxial Compression Without the Measurement of Pore Water Pressure Measurement (Cohesion)	IS 2720 (Part 11)

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Site Facility				
1	MECHANICAL- SOIL AND ROCK	Clay & Soil	Determination of Dry Density of Soil in Place	IS 2720 (Part 28)
2	MECHANICAL- SOIL AND ROCK	Clay & Soil	Determination of Dry Density of Soil in Place	IS 2720 (Part 29)
3	MECHANICAL- SOIL AND ROCK	Clay & Soil	Determination of Modulus of Subgrade Reaction (k- Value) of Soil in Field	IS 9214
4	MECHANICAL- SOIL AND ROCK	Clay & Soil	Electrical Resistivity Test	IS 3043 (Second Revision)
5	MECHANICAL- SOIL AND ROCK	Clay & Soil	Field Determination of California Bearing Ratio	IS 2720 (Part 31)
6	MECHANICAL- SOIL AND ROCK	Clay & Soil	Plate Load Test	IS 1888
7	MECHANICAL- SOIL AND ROCK	Clay & Soil	Standard Penetration Test	IS 2131
8	MECHANICAL- SOIL AND ROCK	Clay & Soil	Subsurface Sounding of Soils	IS 4968 (Part 2)
9	MECHANICAL- SOIL AND ROCK	Clay & Soil	Subsurface Sounding of Soils	IS 4968 (Part 1)
10	MECHANICAL- SOIL AND ROCK	Flexible Pavement	Deflection Measurement using Benkelman Beam Deflection Technique	IRC 81
11	MECHANICAL- SOIL AND ROCK	Pile Foundation	Pile Load Test (Compression)	IS 2911 (Part 4)
12	MECHANICAL- SOIL AND ROCK	Pile Foundation	Pile Load Test (Lateral)	IS 2911 (Part 4)
13	MECHANICAL- SOIL AND ROCK	Pile Foundation	Pile Load Test (Uplift)	IS 2911 (Part 4)
14	MECHANICAL- SOIL AND ROCK	Subgrade of Flexible Pavement	In-situ CBR using Dynamic Cone Penetrometer	IRC SP-72
15	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Structure	Ultrasonic Pulse Velocity Test	IS : 516 (Part 5/Sec 1)
16	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Rebound Hammer Test	IS 516 (Part 5/Sec 4)

SCOPE OF ACCREDITATION

Laboratory Name :	ARUN SOIL LAB PRIVATE LIMITED, 636/110 BUDH VIHAR, LUCKNOW, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10081	**Page No**	12 of 12
Validity	16/11/2021 to 15/11/2023	**Last Amended on**	30/03/2023

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
17	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Pile Foundation	Low Strain Pile Integrity Test	IS 14893