National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KNACK ENGINEERING SERVICES PRIVATE LIMITED, SHOP NO.3 ,103 & 105 BUILDING B1, MMRDA COMPOUND, ANTOP HILL, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 30/01/2023 to 29/01/2025 **Last Amended on** 31/01/2023

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
LOCATION 1-SHOP NO.3 ,103 & 105 BUILDING B1, MMRDA COMPOUND, ANTOP HILL, MUMBAI, MAHARASHTRA, INDIA Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Concrete Man Hole frame & Cover	Load Test	IS 12592
2	MECHANICAL- BUILDINGS MATERIALS	Admixture	Bleeding	IS 9103
3	MECHANICAL- BUILDINGS MATERIALS	Admixture	Compressive Strength	IS 516 (Part 1/ Sec-1)
4	MECHANICAL- BUILDINGS MATERIALS	Admixture	Final Setting time	IS 1199 Part 7
5	MECHANICAL- BUILDINGS MATERIALS	Admixture	Flexural	IS 516 (Part 1/ Sec-1)
6	MECHANICAL- BUILDINGS MATERIALS	Admixture	Initial Setting time	IS 1199 Part 7
7	MECHANICAL- BUILDINGS MATERIALS	Admixture	Slump	IS 1199 Part 2
8	MECHANICAL- BUILDINGS MATERIALS	Admixture	Water Content	IS 9103
9	MECHANICAL- BUILDINGS MATERIALS	Aggregate (Water Bound Macadam)	Sieve Analysis (size 75mm, 63mm, 53mm, 45mm, 22.4mm, 11.2mm)	IS 2386 Part 1
10	MECHANICAL- BUILDINGS MATERIALS	Aggregate - Fine	Deleterious Material - Clay Lumps	IS 2386 P-2
11	MECHANICAL- BUILDINGS MATERIALS	Aggregate - Fine	Deleterious Material - Lightweight Pieces (Coal & Lignite)	IS 2386 p-2
12	MECHANICAL- BUILDINGS MATERIALS	Aggregate - Fine	Soundness - MgSO4	IS 2386 p-5
13	MECHANICAL- BUILDINGS MATERIALS	Aggregate - Fine	Soundness - Na2SO4	IS 2386 p-5
14	MECHANICAL- BUILDINGS MATERIALS	Aggregate – Coarse	Angularity test	IS 2386 (Part 1)
15	MECHANICAL- BUILDINGS MATERIALS	Aggregate – Fine	Bulkage Test	IS 2386 (Part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Granular Sub Base)	Sieve Analysis (size 75mm, 53mm, 26.5mm, 9.5mm, 4.75mm, 2.36mm, 0.850mm, 0.425mm, 0.075mm)	IS 2386 p-1

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17	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Wet Mix Macadam)	Sieve Analysis (size 53mm, 45mm, 26.5mm, 22.4mm, 11.2mm, 4.75mm, 2.36mm, 0.600mm, 0.075mm)	IS 2386 p-1
18	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Dimension - Length	IS 2185 (Part-3)
19	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Block Density	IS 6441 p-1
20	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Compressive Strength	IS 6441 p- 5
21	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Dimension - Thickness	IS 2185 (Part-3)
22	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Dimension - Width	IS 2185 (Part-3)
23	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Drying Shrinkage	IS 6441 p-2
24	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Blocks	Moisture Content	IS 6441 p- 1
25	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension - Length	IS 1077
26	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension - Thickness	IS 1077
27	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension - Width	IS 1077
28	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick & Flyash Bricks	Compressive Strength	IS 3495 Part 1
29	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick & Flyash Bricks	Water Absorption	IS 3495 Part 3
30	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick / Flyash Bricks	Efflorescence	IS 3495 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Cast Iron Man Hole frame & Cover	Load test	IS 1726
32	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC)	Drying Shrinkage	IS 4031 (Part 10)
33	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC,PPC,PSC)	fineness by blain method	IS 4031 part 2
34	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PSC/White Cement	compressive strength	IS 4031 part 6

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35	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PSC/White Cement	Density	IS 4031 Part 11
36	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PSC/White Cement	Final setting time	IS 4031 part 5
37	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PSC/White Cement	fineness by dry sieving	IS 4031 part 1
38	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PSC/White Cement	initial setting time	IS 4031 part 5
39	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PSC/White Cement	Normal Consistency	IS 4031 Part 4
40	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC/PSC/White Cement	Soundness By Lechatelier	IS 4031 part 3
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material - Clay Lumps	IS 2386 part 2
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious Material - Lightweight Pieces (Coal & Lignite)	IS 2386 part 2
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness - MgSO4	IS 2386 part 5
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% fine value	IS 2386 Part 4
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value	IS 2386 Part 4
46	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	All-in-Aggregate Grading (Size ,80 mm,40 mm,20 mm,4.75 mm,600 µm,150 µm)	IS 2386 Part-1
47	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose & Rodded)	IS 2386 Part 3
48	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 Part 4
49	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious content- Material Finer than 75 micron	IS 2386 (Part-1)
50	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 Part 1
51	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 patr1
52	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 part 4

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53	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (size 63mm, 40mm, 20mm, 16mm, 12.5mm, 10mm, 4.75mm, 2.36mm)	IS 2386 Part 1
54	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness - Na2SO4	IS 2386 Part 5
55	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 Part 3
56	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 Part 3
57	MECHANICAL- BUILDINGS MATERIALS	Concrete	Chloride Diffusion Coefficient	ASTM C 1556
58	MECHANICAL- BUILDINGS MATERIALS	Concrete	Density	IS 516 (Part 2/ Sec 1) Cl. 4.5.2 & Cl. 4.5.7
59	MECHANICAL- BUILDINGS MATERIALS	Concrete	Depth of penetration of water under pressure	BS EN 12390 (Part 8)
60	MECHANICAL- BUILDINGS MATERIALS	Concrete	Depth of penetration of water under pressure	IS 516 (Part 2/ Sec. 1)
61	MECHANICAL- BUILDINGS MATERIALS	Concrete	Drying shrinkage	ASTM C 157
62	MECHANICAL- BUILDINGS MATERIALS	Concrete	Drying shrinkage	IS 516 (Part 6)
63	MECHANICAL- BUILDINGS MATERIALS	Concrete	Initial surface absorption of concrete (ISAT)	BS 1881-208
64	MECHANICAL- BUILDINGS MATERIALS	Concrete	Initial surface absorption of concrete (ISAT)	IS 516 (Part 2/ Sec 2)
65	MECHANICAL- BUILDINGS MATERIALS	Concrete	Moisture movement	IS 516 Part-6
66	MECHANICAL- BUILDINGS MATERIALS	Concrete	Pull out Bond strength of slip 0.25mm	IS 2770 Part 1: 2022
67	MECHANICAL- BUILDINGS MATERIALS	Concrete	Pull out Bond strength of slip 0.025mm	IS 2770Part 1
68	MECHANICAL- BUILDINGS MATERIALS	Concrete	Rapid Chloride Migration (RCMT)	NT Build 492
69	MECHANICAL- BUILDINGS MATERIALS	Concrete	Rapid Chloride Penetration (RCPT)	ASTM C 1202
70	MECHANICAL- BUILDINGS MATERIALS	Concrete	Split tensile strength	IS 516 (Part -1 / Sec-1)

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71	MECHANICAL- BUILDINGS MATERIALS	Concrete	Water Absorption	BS 1881 Part 122
72	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516 (Part-1 / Sec-1)
73	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 Part-4
74	MECHANICAL- BUILDINGS MATERIALS	Concrete cube	Compressive Strength	IS 516 (Part-1 / Sec-1)
75	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength by ACT	IS 516 (Part 1/ Sec.1)
76	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose & Rodded)	IS 2386 Part 3
77	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Finer than 75 micron	IS 2386 part 1
78	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (size 10mm, 4.75mm, 2.36mm, 1.18mm, 0.600mm, 0.300mm, 0.150mm)	IS 2386 Part 1
79	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 Part 3
80	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 Part 3
81	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Drying Shrinkage	IS 1727
82	MECHANICAL- BUILDINGS MATERIALS	Flyash Brick	Dimension - Length	IS 12894
83	MECHANICAL- BUILDINGS MATERIALS	Flyash Brick	Dimension - Thickness	IS 12894
84	MECHANICAL- BUILDINGS MATERIALS	Flyash Brick	Dimension - Width	IS 12894
85	MECHANICAL- BUILDINGS MATERIALS	Fusion bond Epoxy coating	Adhesion of coating	IS 13620
86	MECHANICAL- BUILDINGS MATERIALS	Fusion bond Epoxy coating	Coating Thickness	IS 13620
87	MECHANICAL- BUILDINGS MATERIALS	Fusion bond Epoxy coating	Continuity of Coating	IS 13620
88	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Impact Value	IS 2386 p-4

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89	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Water Absorption	IS 2386 Part 3
90	MECHANICAL- BUILDINGS MATERIALS	Ground Granualated Blast Furnace Slag	Fineness by blain	IS 4031 (Part-2)
91	MECHANICAL- BUILDINGS MATERIALS	Ground Granualated Blast Furnace Slag	Slag Activity index	IS 16714
92	MECHANICAL- BUILDINGS MATERIALS	Gypsum plaster	Bulk density	IS 2542 (Part 1/sec 12)
93	MECHANICAL- BUILDINGS MATERIALS	Gypsum plaster	Compressive strength	IS 2542 (Part 1/ sec 5)
94	MECHANICAL- BUILDINGS MATERIALS	Gypsum plaster	Freedom from coarse particles	IS 2542 part 1/sec8
95	MECHANICAL- BUILDINGS MATERIALS	Gypsum plaster	Normal Consistency	IS 2542 (Part 1/ Sec-1)
96	MECHANICAL- BUILDINGS MATERIALS	Gypsum plaster	Setting time	IS 2542 part 1/sec3
97	MECHANICAL- BUILDINGS MATERIALS	HT Strand	0.2 % proof load KN	IS 1608 Part 1
98	MECHANICAL- BUILDINGS MATERIALS	HT Strand	Breaking Strength	IS 1608 Part 1
99	MECHANICAL- BUILDINGS MATERIALS	HT Strand	Elongation	IS 14268
100	MECHANICAL- BUILDINGS MATERIALS	HT Strand	Gauge Length	IS 14268
101	MECHANICAL- BUILDINGS MATERIALS	HT Strand	Lay Length	IS 14268
102	MECHANICAL- BUILDINGS MATERIALS	HT Strand	Nominal area	IS 14268
103	MECHANICAL- BUILDINGS MATERIALS	HT Strand	Nominal Mass Per unit length	IS 14268
104	MECHANICAL- BUILDINGS MATERIALS	Marsh cone compatibility test With Admixture & Cement	Flow	KES/STP/AC/01
105	MECHANICAL- BUILDINGS MATERIALS	Marsh cone compatibility test With Admixture & Cement	Optimum Dosage	KES/STP/AC/01
106	MECHANICAL- BUILDINGS MATERIALS	Micro silica/silica fume	Accelerated Pozzolanic activity index with Portland cement	ASTM C 1240
107	MECHANICAL- BUILDINGS MATERIALS	Micro silica/silica fume	compressive strength	IS 1727

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108	MECHANICAL- BUILDINGS MATERIALS	Micro silica/silica fume	Particle retained on 45 micron	IS 1727
109	MECHANICAL- BUILDINGS MATERIALS	Micro silica/silica fume	Specific gravity	IS 1727
110	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
111	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension - Length	IS 15658
112	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension - Thickness	IS 15658
113	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension - Width	IS 15658
114	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Plan Area	IS 15658
115	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Split tensile test	IS 15658
116	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
117	MECHANICAL- BUILDINGS MATERIALS	Post tensioning grout	Compressive strength	IS 4031 part 6
118	MECHANICAL- BUILDINGS MATERIALS	Post tensioning grout	Final setting time	IS 4031 Part 4
119	MECHANICAL- BUILDINGS MATERIALS	Post tensioning grout	Height change	ASTM C 1090
120	MECHANICAL- BUILDINGS MATERIALS	Post tensioning grout	Initial setting time	IS 4031 Part 6
121	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic materials	Compressive strength	IS 1727
122	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic materials	Fineness by blain	IS 1727
123	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic materials	Lime reactivity	IS 1727
124	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic materials	Particle retained on 45 micron	IS 1727
125	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic materials	Setting time	IS 1727
126	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic materials	soundness	IS 1727

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127	MECHANICAL- BUILDINGS MATERIALS	Pozzolanic materials	Density	IS 1727
128	MECHANICAL- BUILDINGS MATERIALS	PRECAST CONCRETE KERBS, CHANNELS, EDGINGS, QUADRANTS AND GUTTER APRONS	Water Absorption	IS 5758
129	MECHANICAL- BUILDINGS MATERIALS	PRECAST CONCRETE KERBS, CHANNELS, EDGINGS, QUADRANTS AND GUTTER APRONS	Bending Strength	IS 5758
130	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Block Density	IS 2185 Part-1
131	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Compressive Strength	IS 2185 Part 1
132	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Dimension-Height	IS 2185 Part 1
133	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Dimension-Length	IS 2185 Part 1
134	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Dimension-Width	IS 2185 (Part 1)
135	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Drying Shrinkage	IS 2185 Part 1
136	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Moisture Movement	IS 2185 Part 1
137	MECHANICAL- BUILDINGS MATERIALS	Solid Concrete Block	Water Absorption	IS 2185 (Part 1)
138	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam / Water Bound Macadam	Abrasion Value - Los Angeles	IS 2386 (Part-4)
139	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam / Water Bound Macadam	Elongation Index	IS 2386 (Part-1)
140	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam / Water Bound Macadam	Flakiness Index	IS 2386 (Part-1)
141	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength Steel Bar	Re bend test	IS 1786
142	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles & Reinforcement Coupler	Ultimate Tensile Strength	IS 1608 p-1
143	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles, Reinforced Coupler	% Elongation	IS 1608 p-1

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144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles, Reinforced Coupler	0.2% Proof Stress	IS 1608 p -1
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles, Reinforced Coupler	Bend test	IS 1599
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles, Reinforced Coupler	Reduction in Area	IS 1608 p-1
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles, Reinforced Coupler	Weight per meter length	IS 1786
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates, Chequered Plates, Dowel Bars, Prestressing Steel, Hollow Section, High strength Steel Bar, Steel tubes, GI Pipes, Steel Beam, Steel Column, Steel Channel, Steel Angles, Reinforced Coupler	Yield Strength	IS 1608 p-1
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tubes & Pipe	Flattening Test	IS 2328
150	MECHANICAL- SOIL AND ROCK	Granular Sub Base	California Bearing Ratio	IS 2720 (Part-16)
151	MECHANICAL- SOIL AND ROCK	Granular Sub Base / Wet Mix Macadam	Heavy Compaction OMC	IS 2720 (Part-7)
152	MECHANICAL- SOIL AND ROCK	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Heavy Compaction-MDD	IS 2720 (Part-8)
153	MECHANICAL- SOIL AND ROCK	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Liquid Limit	IS 2720 (Part-5)
154	MECHANICAL- SOIL AND ROCK	Granular Sub Base / Wet Mix Macadam / Water Bound Macadam	Plastic Limit	IS 2720 (Part- 5)
155	MECHANICAL- SOIL AND ROCK	Rock	Dry Density	IS 13030
156	MECHANICAL- SOIL AND ROCK	Rock	Porosity	IS 13030
157	MECHANICAL- SOIL AND ROCK	Rock	Saturated Specific Gravity	IS 13030
158	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength (UCS)	IS 9143

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159	MECHANICAL- SOIL AND ROCK	Rock	Water Content	IS 13030
160	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part-16)
161	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part-40)
162	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (Dry analysis) Sieve Size: 0.075 mm to 75 mm	IS 2720 (Part-4)
163	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction -MDD	IS 2720 (Part-8)
164	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction -OMC	IS 2720 (Part-8)
165	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - OMC	IS 2720 (Part-7)
166	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction -MDD	IS 2720 (Part-7)
167	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part-5)
168	MECHANICAL- SOIL AND ROCK	Soil	Moisture content	IS 2720 (Part-2)
169	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part-5)

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LOCATION 1-SHOP NO.3 ,103 & 105 BUILDING B1, MMRDA COMPOUND, ANTOP HILL, MUMBAI, MAHARASHTRA, INDIA Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Moisture Content	IS 2386 (Part 3)
2	MECHANICAL- SOIL AND ROCK	Granular Sub Base / Wet Mix Macadam	Dry Density by Sand Replacement method	IS 2720 (Part-28)
3	MECHANICAL- SOIL AND ROCK	Soil	Dry Density by Sand Replacement method	IS 2720 p-28
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Concrete Piles	Pile Integrity Test	ASTM D 5882
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Carbonation Depth	IS 516 (Part-5 /Sec-3)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Cover Depth	BS 1881 Part 204
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Crack Depth Measutment	IS 516 Pt 5 Sec 1
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Half Cell Potential	IS 516 (Part-5 Sec-2)
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Load Test	IS 456, clause 17.6
10	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer Test	IS 516 Pt 5 Sec 4
11	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultra Sonic Pulse Velocity test	IS 516 Pt 5 Sec 1

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LOCATION 2 - OFFICE NO 109, SHRAMJIVAN, BLDG. B-5, WADALA TRUCK TERMINAL, MUMBAI, MAHARASHTRA, INDIA 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	BIPOLAR CONCRETE PENETRATING CORROSION INHIBITING ADMIXTURE	Odour	RDSO SPECIFICATION NO. M&C/PCN/126/2020
7	CHEMICAL- BUILDING MATERIAL	BIPOLAR CONCRETE PENETRATING CORROSION INHIBITING ADMIXTURE	pH	IS 9103
8	CHEMICAL- BUILDING MATERIAL	BIPOLAR CONCRETE PENETRATING CORROSION INHIBITING ADMIXTURE	Skin Irritation	RDSO SPECIFICATION NO. M&C/PCN/126/2020
9	CHEMICAL- BUILDING MATERIAL	BIPOLAR CONCRETE PENETRATING CORROSION INHIBITING ADMIXTURE	Specific gravity	IS 1448 Part 16
10	CHEMICAL- BUILDING MATERIAL	BIPOLAR CONCRETE PENETRATING CORROSION INHIBITING ADMIXTURE	Viscosity by Ford Cup	IS 101 Part 1/Sec 5
11	CHEMICAL- BUILDING MATERIAL	BIPOLAR CONCRETE PENETRATING CORROSION INHIBITING ADMIXTURE	Appearance	RDSO SPECIFICATION NO. M&C/PCN/126/2020
12	CHEMICAL- BUILDING MATERIAL	Building Lime	Calcium Oxide	IS 6932(Part 1)
13	CHEMICAL- BUILDING MATERIAL	Building Lime	Combined Alumina&Ferric Oxide	IS 6932 pt 1
14	CHEMICAL- BUILDING MATERIAL	Building Lime	Insoluble Matter	IS 6932 pt 1
15	CHEMICAL- BUILDING MATERIAL	Building Lime	Insoluble residue	IS 6932 pt 1
16	CHEMICAL- BUILDING MATERIAL	Building Lime	Loss on Ignition	IS 6932 pt 1
17	CHEMICAL- BUILDING MATERIAL	Building Lime	Magnesium Oxide	IS 6932 pt 1
18	CHEMICAL- BUILDING MATERIAL	Building Lime	Silica	IS 6932 pt 1

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19	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/Fine Aggregate	Alkali Aggregate Reactivity - Dissolved Silica	IS2386 (Part 7)
20	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/Fine Aggregate	Alkali Aggregate Reactivity - Reduction in Alkalinity	IS2386(Part7)
21	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/Fine Aggregate	Chloride	BS EN 1744-1
22	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/Fine Aggregate	pH	KES/SOP/CHEM/039
23	CHEMICAL- BUILDING MATERIAL	Coarse Aggregate/Fine Aggregate	Sulphate as SO3	BS EN 1744-1
24	CHEMICAL- BUILDING MATERIAL	Crushed Sand/Natural sand/Manufactured sand	Alkali Aggregate Reactivity - Dissolved Silica	IS 2386 Part 7
25	CHEMICAL- BUILDING MATERIAL	Crushed Sand/Natural sand/Manufactured sand	Alkali Aggregate Reactivity - Reduction in Alkalinity	IS 2386 Part 7
26	CHEMICAL- BUILDING MATERIAL	Crushed Sand/Natural sand/Manufactured sand	Chloride	BS 1744 -1
27	CHEMICAL- BUILDING MATERIAL	Crushed Sand/Natural sand/Manufactured sand	pH	KES/SOP/CHEM/039
28	CHEMICAL- BUILDING MATERIAL	Crushed Sand/Natural sand/Manufactured sand	Sulphate as SO3	BS EN 1744-1
29	CHEMICAL- BUILDING MATERIAL	Fine Aggregate	Organic Impurites	IS 2386 Part 2
30	CHEMICAL- BUILDING MATERIAL	Fly Ash	Alumina (Al2O3)	IS 1727
31	CHEMICAL- BUILDING MATERIAL	Fly ash	CaO	IS 1727
32	CHEMICAL- BUILDING MATERIAL	Fly Ash	Chloride	IS 4032
33	CHEMICAL- BUILDING MATERIAL	Fly Ash	Iron Oxide	IS 1727
34	CHEMICAL- BUILDING MATERIAL	Fly Ash	Loss on ignition	IS 1727
35	CHEMICAL- BUILDING MATERIAL	Fly Ash	Magnesia(MgO)	IS 1727
36	CHEMICAL- BUILDING MATERIAL	Fly Ash	Silica (SiO2)	IS 1727
37	CHEMICAL- BUILDING MATERIAL	Fly Ash	Sulphuric Anhydride (SO3)	IS 1727

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38	CHEMICAL- BUILDING MATERIAL	GGBS/UGGBS/Alccofine	Alumina	IS 4032
39	CHEMICAL- BUILDING MATERIAL	GGBS/UGGBS/Alccofine	Chloride	IS 4032
40	CHEMICAL- BUILDING MATERIAL	GGBS/UGGBS/Alccofine	Insoluble Residue	IS 4032
41	CHEMICAL- BUILDING MATERIAL	GGBS/UGGBS/Alccofine	Iron Oxide	IS 4032
42	CHEMICAL- BUILDING MATERIAL	GGBS/UGGBS/Alccofine	Lime	IS 4032
43	CHEMICAL- BUILDING MATERIAL	GGBS/UGGBS/Alccofine	LOI	IS 4032
44	CHEMICAL- BUILDING MATERIAL	GGBS/UGGBS/Alccofine	Moisture	IS 16714/IS 16715
45	CHEMICAL- BUILDING MATERIAL	GGBS/UGGBS/Alccofine	Sulphide Sulphur	IS 4032
46	CHEMICAL- BUILDING MATERIAL	Ground -granulated blast-furnace slag(GGBS)/UGGBS/Alccofine	Silica	IS 4032
47	CHEMICAL- BUILDING MATERIAL	Ground-granulated blast-furnace slag(GGBS)/UGGBS/Alccofine	Magnesia	IS 4032
48	CHEMICAL- BUILDING MATERIAL	Ground-granulated blast-furnace slag(GGBS)/UGGBS/Alccofine	Manganese Oxide	IS 4032
49	CHEMICAL- BUILDING MATERIAL	Ground-granulated blast-furnace slag(GGBS)/UGGBS/Alccofine	Sulphuric Anhydride	IS 4032
50	CHEMICAL- BUILDING MATERIAL	Gypsum& Gypsum plaster	Combined Water	IS 1288
51	CHEMICAL- BUILDING MATERIAL	Gypsum& Gypsum plaster	Free Lime	IS 2547(Part 1)
52	CHEMICAL- BUILDING MATERIAL	Gypsum& Gypsum plaster	Free Water	IS 1288
53	CHEMICAL- BUILDING MATERIAL	Gypsum& Gypsum plaster	Lime (CaO)	IS 1288
54	CHEMICAL- BUILDING MATERIAL	Gypsum& Gypsum plaster	Loss On Ignition	IS 2547 (Part 1)
55	CHEMICAL- BUILDING MATERIAL	Gypsum& Gypsum plaster	Magnesia (MgO)	IS 2547 (Part 1)
56	CHEMICAL- BUILDING MATERIAL	Gypsum& Gypsum plaster	Sodium Oxide(Na20)	IS 2547 (Part 1)

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57	CHEMICAL- BUILDING MATERIAL	Gypsum& Gypsum plaster	Sulphate as (SO3)	IS 1288
58	CHEMICAL- BUILDING MATERIAL	Hardened Concrete / Mortar	A cid Soluble / Water Soluble Sulphate as SO3	BS1881 (Part 124)
59	CHEMICAL- BUILDING MATERIAL	Hardened Concrete / Mortar	Chloride	IS 14959 (Part 2)
60	CHEMICAL- BUILDING MATERIAL	Hardened Concrete / Mortar	pH	KES/SOP/CHEM/039
61	CHEMICAL- BUILDING MATERIAL	Hardened Concrete /Mortar	Chloride	BS 1881(Part 124)
62	CHEMICAL- BUILDING MATERIAL	Micro Silica ,Silica Fume	Available Alkalis as Na2O	IS 15388
63	CHEMICAL- BUILDING MATERIAL	Micro Silica ,Silica Fume	Chloride	IS 4032
64	CHEMICAL- BUILDING MATERIAL	Micro Silica ,Silica Fume	Loss on Ignition	IS 1727
65	CHEMICAL- BUILDING MATERIAL	Micro Silica ,Silica Fume	Moisture	IS 15388
66	CHEMICAL- BUILDING MATERIAL	Micro Silica ,Silica Fume	SiO2	IS 1727
67	CHEMICAL- BUILDING MATERIAL	Micro Silica ,Silica Fume	Sulphuric Anhydride	IS 1727
68	CHEMICAL- BUILDING MATERIAL	OPC Cement	Alumina(Al2O3)	IS 4032
69	CHEMICAL- BUILDING MATERIAL	OPC Cement	Chloride	IS4032
70	CHEMICAL- BUILDING MATERIAL	OPC Cement	Insoluble Residue	IS4032
71	CHEMICAL- BUILDING MATERIAL	OPC Cement	Loss on Ignition	IS 4032
72	CHEMICAL- BUILDING MATERIAL	OPC Cement	Magnesia(MgO)	IS 4032
73	CHEMICAL- BUILDING MATERIAL	OPC Cement	Potash(K2O)	IS4032
74	CHEMICAL- BUILDING MATERIAL	OPC Cement	Silica (SiO2)	IS 4032
75	CHEMICAL- BUILDING MATERIAL	OPC Cement	Sodium Oxide(Na2O)	IS 4032

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76	CHEMICAL- BUILDING MATERIAL	OPC Cement	Sulphuric Anhydride(SO3)	IS4032
77	CHEMICAL- BUILDING MATERIAL	OPC Cement	Iron Oxide	IS 4032
78	CHEMICAL- BUILDING MATERIAL	OPC Cement	Lime	IS4032
79	CHEMICAL- BUILDING MATERIAL	PPC Cement	Chloride	IS 4032
80	CHEMICAL- BUILDING MATERIAL	PPC Cement	Insoluble residue	IS 4032
81	CHEMICAL- BUILDING MATERIAL	PPC Cement	Loss on ignition	IS 4032
82	CHEMICAL- BUILDING MATERIAL	PPC Cement	Magnesia	IS 4032
83	CHEMICAL- BUILDING MATERIAL	PPC Cement	Potassium Oxide	IS 4032
84	CHEMICAL- BUILDING MATERIAL	PPC Cement	Sodium Oxide	IS 4032
85	CHEMICAL- BUILDING MATERIAL	PPC Cement	Sulphuric Anhydride	IS 4032
86	CHEMICAL- BUILDING MATERIAL	PSC Cement	Alumina	IS 4032
87	CHEMICAL- BUILDING MATERIAL	PSC Cement	CaO	IS 4032
88	CHEMICAL- BUILDING MATERIAL	PSC Cement	Chloride	IS 4032
89	CHEMICAL- BUILDING MATERIAL	PSC Cement	Insoluble Residue	IS 4032
90	CHEMICAL- BUILDING MATERIAL	PSC Cement	Iron Oxide	IS 4032
91	CHEMICAL- BUILDING MATERIAL	PSC Cement	Loss on ignition	IS 4032
92	CHEMICAL- BUILDING MATERIAL	PSC Cement	Magnesia	IS 4032
93	CHEMICAL- BUILDING MATERIAL	PSC Cement	Potassum Oxide	IS 4032
94	CHEMICAL- BUILDING MATERIAL	PSC Cement	Silica	IS 4032

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95	CHEMICAL- BUILDING MATERIAL	PSC Cement	Sodium Oxide	IS 4032
96	CHEMICAL- BUILDING MATERIAL	PSC Cement	Sulphide Sulphur	IS 4032
97	CHEMICAL- BUILDING MATERIAL	PSC cement	Sulphuric anhydride	IS 4032
98	CHEMICAL- BUILDING MATERIAL	Water proofing compound	Chloride	IS 6925
99	CHEMICAL- BUILDING MATERIAL	White Portland Cement	Al2O3	IS 4032
100	CHEMICAL- BUILDING MATERIAL	White Portland Cement	CaO	IS 4032
101	CHEMICAL- BUILDING MATERIAL	White Portland Cement	Fe2O3	IS 4032
102	CHEMICAL- BUILDING MATERIAL	White Portland Cement	Insoluble Residue	IS 4032
103	CHEMICAL- BUILDING MATERIAL	White Portland Cement	K2O	IS 4032
104	CHEMICAL- BUILDING MATERIAL	White Portland Cement	Loss on Ignition	IS 4032
105	CHEMICAL- BUILDING MATERIAL	White Portland Cement	MgO	IS 4032
106	CHEMICAL- BUILDING MATERIAL	White Portland Cement	Na2O	IS 4032
107	CHEMICAL- BUILDING MATERIAL	White Portland Cement	Silica	IS 4032
108	CHEMICAL- BUILDING MATERIAL	White Portland Cement	SO3	IS 4032
109	CHEMICAL- METALS & ALLOYS	Iron alloy steel & Carbon steel	Carbon	IS 228 (Part 1)
110	CHEMICAL- METALS & ALLOYS	Iron alloy steel &Carbon steel	Carbon Equivalent	IS 1786
111	CHEMICAL- METALS & ALLOYS	Iron alloy steel &Carbon steel	Chromium	IS 228 Part 6
112	CHEMICAL- METALS & ALLOYS	Iron alloy steel &Carbon steel	Manganese	IS 228 Part 2
113	CHEMICAL- METALS & ALLOYS	Iron alloy steel &Carbon steel	Molybdenum	IS 228 Part 7

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114	CHEMICAL- METALS & ALLOYS	Iron alloy steel &Carbon steel	Nickel	IS 228 Part 5
115	CHEMICAL- METALS & ALLOYS	Iron alloy steel &Carbon steel	Phosphorous	IS 228 Part 3
116	CHEMICAL- METALS & ALLOYS	Iron alloy steel &Carbon steel	Silicon	IS 228 Part 8
117	CHEMICAL- METALS & ALLOYS	Iron alloy steel &Carbon steel	Sulphur	IS 228 Part 9
118	CHEMICAL- METALS & ALLOYS	Iron alloy steel &Carbon steel	Sulphur + Phosphorous	IS 1786
119	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 228 Part 1
120	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228 Part 6
121	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 228 Part 2
122	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 228 Part 7
123	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228 Part 5
124	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 228 Part 3
125	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 228 Part 8
126	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 228 Part 9
127	CHEMICAL- WATER	Construction Water	Acidity	IS 3025 (Part22)
128	CHEMICAL- WATER	Construction Water	Akalinity	IS 3025 (Part 23)
129	CHEMICAL- WATER	Construction Water	Chloride	IS 3025 (Part 32)
130	CHEMICAL- WATER	Construction Water	Inorganic Solid	IS 3025(Part 18)
131	CHEMICAL- WATER	Construction Water	Organic Solid	IS 3025 (Part 18)
132	CHEMICAL- WATER	Construction Water	pH	IS 3025(Part 11)
133	CHEMICAL- WATER	Construction Water	Sulphate as (SO3)	IS 3025 (Part 24)
134	CHEMICAL- WATER	Construction Water	Suspended matter	IS 3025(Part 17)
135	CHEMICAL- WATER	Water	Alkali content as K2O	IS 3025(Part 45)
136	CHEMICAL- WATER	Water	Alkali content as Na2O	IS 3025(Part 45)

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137	CHEMICAL- WATER	Water	TDS	IS 3025 (Part16)
138	CHEMICAL- WATER	Water	Total Hardness as CaCO3	IS 3025(Part 21)