National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CSRL-STRUCTWEL LAB (PUNE) PVT LTD, S NO 18/2, PANCHRATNA APARTMENT COMPOUND, BHAIROBA NALA, WANOWARIE, PUNE, MAHARASHTRA, INDIA

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LOCATION 1-S NO 18/2, PANCHRATNA APARTMENT COMPOUND, BHAIROBA NALA, WANOWARIE, PUNE, MAHARASHTRA, INDIA Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chlorides	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	Fly ash	Calcium Oxide (CaO)	IS 1727
7	CHEMICAL- BUILDING MATERIAL	Fly ash	Chlorides	IS 4032
8	CHEMICAL- BUILDING MATERIAL	Fly ash	Combined Alumina and Ferric oxide	IS 1727
9	CHEMICAL- BUILDING MATERIAL	Fly ash	Loss on Ignition	IS 1727
10	CHEMICAL- BUILDING MATERIAL	Fly ash	Magnesia (MgO)	IS 1727
11	CHEMICAL- BUILDING MATERIAL	Fly ash	Moisture content	IS 3812 (Part 1) (Part 2) Annex D Annex C
12	CHEMICAL- BUILDING MATERIAL	Fly ash	Silica (SiO2)	IS 1727
13	CHEMICAL- BUILDING MATERIAL	Fly ash	Sulphuric Anhydride	IS 1727
14	CHEMICAL- BUILDING MATERIAL	Glazed Ceramic Tiles	Household chemicals	IS 13630 (Part 8):
15	CHEMICAL- BUILDING MATERIAL	Glazed Ceramic Tiles	stains	IS 13630 (Part 8):
16	CHEMICAL- BUILDING MATERIAL	Glazed Ceramic Tiles	Swimming Pool salts	IS 13630 (Part 8):
17	CHEMICAL- BUILDING MATERIAL	Glazed Ceramic Tiles	Acids	IS 13630 (Part 8):
18	CHEMICAL- BUILDING MATERIAL	Glazed Ceramic Tiles	Alkalis	IS 13630 (Part 8):

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19	CHEMICAL- BUILDING MATERIAL	Ground granulated Blast furnace slag	Alumina	IS 4032
20	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Calcium Oxide	S 4032
21	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace slag	Chloride	IS 4032
22	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace slag	Insoluble Residue	IS 4032
23	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Iron Oxide	IS 4032
24	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast furnace slag	Loss on ignition	IS 4032
25	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace slag	Magnesium Oxide	IS 4032
26	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Manganese Oxide	IS 4032
27	CHEMICAL- BUILDING MATERIAL	Ground granulated Blast furnace slag	Silica Content	IS 4032
28	CHEMICAL- BUILDING MATERIAL	Ground granulated Blast furnace slag	Sulphide Sulphur	IS 4032
29	CHEMICAL- BUILDING MATERIAL	Ground Granulated Blast Furnace Slag	Sulphur Trioxide	IS 4032
30	CHEMICAL- BUILDING MATERIAL	Gypsum plaster	Calcium Oxide (CaO)	IS 1288
31	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Free Lime	IS 2547 (Part 1) App-C
32	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Loss on Ignition	IS 2547 (Part 1) App B
33	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Soluble Magnesium salt (MgO)	IS 2547 (Part 1) App. A
34	CHEMICAL- BUILDING MATERIAL	Gypsum Plaster	Sulphur Trioxide (SO3)	IS 1288 Clause 12
35	CHEMICAL- BUILDING MATERIAL	Lime	Calcium Oxide (CaO)	IS 6932:(Part 1)
36	CHEMICAL- BUILDING MATERIAL	Lime	Combined Alumina & Ferric Oxide	IS 6932 (Part 1)
37	CHEMICAL- BUILDING MATERIAL	Lime	Insoluble Residue - Hydrochloric acid	IS 6932 (Part 1)

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38	CHEMICAL- BUILDING MATERIAL	Lime	Insoluble residue in dilute acid and alkali	IS 6932 (Part 1)
39	CHEMICAL- BUILDING MATERIAL	Lime	Loss on Ignition	IS 6932 (Part 1)
40	CHEMICAL- BUILDING MATERIAL	Lime	Magnesia (MgO)	IS 6932 (Part 1)
41	CHEMICAL- BUILDING MATERIAL	Lime	Silica (SiO2)	IS 6932 (Part 1)
42	CHEMICAL- BUILDING MATERIAL	Mineral Gypsum	Calcium Oxide (CaO)	IS 1288 clause 10.2
43	CHEMICAL- BUILDING MATERIAL	Mineral Gypsum	Combined Water	IS 1288 clause 6
44	CHEMICAL- BUILDING MATERIAL	Mineral Gypsum	Free Water	IS 1288 Clause 4
45	CHEMICAL- BUILDING MATERIAL	Mineral Gypsum	Iron & Aluminium Oxides	IS 1288 Clause 9
46	CHEMICAL- BUILDING MATERIAL	Mineral Gypsum	Magnesium Oxide (MgO)	IS 1288 Clause 11.2
47	CHEMICAL- BUILDING MATERIAL	Mineral Gypsum	Silica & Acid Insoluble	IS 1288 Clause 8
48	CHEMICAL- BUILDING MATERIAL	Mineral Gypsum	Sulphur Trioxide (SO3) & Calcium Sulphate dihydrate	IS 1288 Clause 12
49	CHEMICAL- BUILDING MATERIAL	OPC, PPC, PSC and White cement	Alumina (Al2O3)	IS 4032
50	CHEMICAL- BUILDING MATERIAL	OPC, PPC, PSC and White cement	Calcium Oxide (CaO)	IS 4032
51	CHEMICAL- BUILDING MATERIAL	OPC, PPC, PSC and white cement	Chloride	IS 4032
52	CHEMICAL- BUILDING MATERIAL	OPC, PPC, PSC and white cement	Ferric Oxide (Fe2O3)	IS 4032
53	CHEMICAL- BUILDING MATERIAL	OPC, PPC, PSC and white cement	Insoluble Residue	IS 4032
54	CHEMICAL- BUILDING MATERIAL	OPC, PPC, PSC and white cement	Loss on ignition	IS 4032
55	CHEMICAL- BUILDING MATERIAL	OPC, PPC, PSC and white cement	Magnesia (MgO)	IS 4032
56	CHEMICAL- BUILDING MATERIAL	OPC, PPC, PSC and white cement	Silica (SiO2)	IS 4032

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57	CHEMICAL- BUILDING MATERIAL	OPC, PPC, PSC and white cement	Sulphuric Anhydride (SO3)	IS 4032
58	CHEMICAL- BUILDING MATERIAL	Plywood	pH value	IS 1734 (Part 8)
59	CHEMICAL- BUILDING MATERIAL	PSC	Sulphur as sulphide	IS 4032
60	CHEMICAL- BUILDING MATERIAL	Sand and Aggregate	Alkali aggregate reactivity (a) Dissolved Silica (b) Reduction in alkalinity	IS 2386 (Part 7):
61	CHEMICAL- BUILDING MATERIAL	Sand and aggregate	Deleterious Materials	IS 2386 (Part 2):
62	CHEMICAL- BUILDING MATERIAL	Sand and Aggregate	Organic Impurities	IS 2386 (Part 2)
63	CHEMICAL- BUILDING MATERIAL	Sand and aggregate	Soundness by Sodium sulphate and Magnesium Sulphate	IS 2386 (Part 5)
64	CHEMICAL- BUILDING MATERIAL	Silica Fume/ Micro silica	Loss on ignition	IS 1727
65	CHEMICAL- BUILDING MATERIAL	Silica Fume/ Micro silica	Moisture content	IS 15388 Table 1 Note 1
66	CHEMICAL- BUILDING MATERIAL	Silica Fume/ Micro silica	Silica Content	S 1727
67	CHEMICAL- BUILDING MATERIAL	Water proofing compound	Chlorides	IS 6925
68	CHEMICAL- METALS & ALLOYS	Carbon steel (High strength deformed steel bars and wires for concrete reinforcement)	Manganese	IS 228 (Part 2)
69	CHEMICAL- METALS & ALLOYS	Carbon Steel (High strength deformed steel bars and wires for concrete reinforcement)	Silicon	IS 228 (Part 8)
70	CHEMICAL- METALS & ALLOYS	Carbon Steel - High strength Deformed steel Bars and Wires for concrete Reinforcement	Carbon	IS 228 (Part 1)
71	CHEMICAL- METALS & ALLOYS	Carbon Steel - High Strength Deformed Steel Bars and Wires for concrete Reinforcement	Phosphorus	IS 228 (Part 3)
72	CHEMICAL- METALS & ALLOYS	Carbon Steel -High Strength Deformed Steel Bars and Wires for Concrete Reinforcement	Sulphur	IS 228 (Part 9)
73	CHEMICAL- SOIL AND ROCK	Soil	Calcium Carbonate	IS 2720 (Part 23)
74	CHEMICAL- SOIL AND ROCK	Soil	Organic Matter	IS 2720 (Part 22)

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75	CHEMICAL- SOIL AND ROCK	Soil	pH value	IS 2720 (Part 26
76	CHEMICAL- SOIL AND ROCK	soil	Total Soluble Solids	IS 2720 (Part 21)
77	CHEMICAL- SOIL AND ROCK	Soil	Total Soluble Sulphate	IS 2720 (Part 27)
78	CHEMICAL- SOIL AND ROCK	Soil	Water soluble chloride content	BS 1377 Part 3
79	CHEMICAL- WATER	Water	Total Dissolved Solids	IS 3025 (Part 16)
80	CHEMICAL- WATER	Water	Total Hardness	IS 3025 (Part 21)
81	CHEMICAL- WATER	Water (Construction Purpose)	Volatile Residue (Organic Residue)	IS 3025 (Part 18)
82	CHEMICAL- WATER	Water (Construction Purpose)	Sulphates	IS 3025 (Part 24)
83	CHEMICAL- WATER	Water (Construction Purpose)	Acidity- 0.02N NaOH Required to neutralize 100ml of water	IS 3025 (Part 22)
84	CHEMICAL- WATER	Water (Construction Purpose)	pH Value	IS 3025 (Part 11)
85	CHEMICAL- WATER	Water (Construction Pupose)	Chloride	IS 3025 (Part 32)
86	CHEMICAL- WATER	Water (Construction Purpose)	Alkalinity -0.02 N H2SO4 Required to neutralize 100ml of water	IS 3025 (Part 23)
87	CHEMICAL- WATER	Water (Construction Purpose)	Total Suspended Solids	IS 3025 (Part 17)
88	CHEMICAL- WATER	Water for construction purpose	Fixed Residue (Inorganic Residue)	IS 3025 (Part 18)
89	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Block	Compressive strength	IS 6441 (Part 5)
90	MECHANICAL- BUILDINGS MATERIALS	Autoclaved Cellular Concrete Block	Density	IS 6441 (Part 1)
91	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
92	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration value	IS 1203
93	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening point	IS 1205
94	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific gravity	IS 1202
95	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Bituminous Binder Content	ASTM D2172-17

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96	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix	Flow value	ASTM D6927-15
97	MECHANICAL- BUILDINGS MATERIALS	Bituminous mix	Gradation	Morth 5th Revision
98	MECHANICAL- BUILDINGS MATERIALS	Bituminous mix	Marshal stability	ASTM D6927-15
99	MECHANICAL- BUILDINGS MATERIALS	Bituminous mix	Theoretical Density	ASTM D 2041 M-19
100	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
101	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Width)	IS 1077
102	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Height)	IS 1077
103	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimensions (Length)	IS 1077
104	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
105	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption	IS 3495 (Part 2)
106	MECHANICAL- BUILDINGS MATERIALS	Cement concrete flooring tiles	Resistance to wear	IS 1237
107	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Flooring Tiles	Water absorption	IS 1237
108	MECHANICAL- BUILDINGS MATERIALS	Cement concrete Flooring tiles	Wet transverse test	IS 1237 Annex F
109	MECHANICAL- BUILDINGS MATERIALS	Ceramic TIles	Crazing Resistance	IS 13630 (Part 9)
110	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Modulus of Rupture	IS 13630 (Part 6)
111	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Scratch Hardness surface - Mohs	IS 13630 (Part 13):
112	MECHANICAL- BUILDINGS MATERIALS	Ceramic TIles	Water Absorption	IS 13630 (Part 2)
113	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Resistance to wear	IS 13801 Annex G
114	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete tiles	Water absorption	IS 13801 Annex E

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115	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Wet Transverse Test	IS 13801:Annex F
116	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Resistance - Los Angele's Abrasion Value	IS 2386 (Part 4)
117	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Bulk Density	IS 2386 (part 3)
118	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Combined Flakiness and Elongation	IS 383 Clause 5.3
119	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Crushing value	IS 2386 (Part 4)
120	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation	IS 2386 (Part 1)
121	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Flakiness Index	IS 2386 (Part 1)
122	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Impact Value	IS 2386 (Part 4)
123	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Particle Size Distribution	IS 2386 (Part 1)
124	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
125	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Ten percent fines	IS 2386 (Part 4)
126	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water absorption	IS 2386 (Part 3)
127	MECHANICAL- BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516:
128	MECHANICAL- BUILDINGS MATERIALS	Concrete core/ Cube/ Cylinder	Compressive Strength	IS 516
129	MECHANICAL- BUILDINGS MATERIALS	Concrete cube	Compressive strength by accelerated curing	IS 9013
130	MECHANICAL- BUILDINGS MATERIALS	Concrete cube	Electrical Induction of concrete's ability to resist chloride ion penetration	ASTM C 1202-19
131	MECHANICAL- BUILDINGS MATERIALS	Concrete cube	Water permeability	Din-1048 (Part - 5)
132	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk density	IS 2386 (Part 3)

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133	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulkage	IS 2386 (Part 3)
134	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Materials- Finer than 75 micron	IS 2386 (Part 1) Amd 4
135	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve analysis	IS 2386 (Part 1) Amd 4
136	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific gravity	IS 2386 (Part 3)
137	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Water absorption	IS 2386 (Part 3)
138	MECHANICAL- BUILDINGS MATERIALS	Granulated glass blast furnace slag	Compressive Strength	BS 6699
139	MECHANICAL- BUILDINGS MATERIALS	Granulated glass blast furnace slag	Final Setting Time	BS 6699
140	MECHANICAL- BUILDINGS MATERIALS	Granulated glass blast furnace slag	Initial Setting Time	BS 6699
141	MECHANICAL- BUILDINGS MATERIALS	Granulated glass blast furnace slag	Soundness	BS 6699
142	MECHANICAL- BUILDINGS MATERIALS	Ground granulated Blast Furnace Slag	Normal consistency	IS 4031 (Part 4)
143	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated Blast Furnace Slag	Slag activity Index, 7 days and 28 days	IS 16714
144	MECHANICAL- BUILDINGS MATERIALS	Ground Granulated glass Blast furnace slag	Fineness	IS 4031 (Part 2)
145	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	California Bearing ratio	Morth 5th revision
146	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Gradation	Morth 5th Revision
147	MECHANICAL- BUILDINGS MATERIALS	GSB/WMM	Proctor densiy (Heavy Compaction)	Morth 5th Revision
148	MECHANICAL- BUILDINGS MATERIALS	Gypsum	Compressive strength	IS 2542 (Part 1) Sec 5
149	MECHANICAL- BUILDINGS MATERIALS	Gypsum	Dry Bulk Density	IS 2542 (Part 1) section 5
150	MECHANICAL- BUILDINGS MATERIALS	Gypsum	Dry Set Density	IS 2542 (Part 1) Section 5
151	MECHANICAL- BUILDINGS MATERIALS	Gypsum	Normal Consistency	IS 2542 (Part 1) Sec 1

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152	MECHANICAL- BUILDINGS MATERIALS	Gypsum	Sample retained on 150µ	IS 2547 (Part 1)
153	MECHANICAL- BUILDINGS MATERIALS	Gypsum	Setting time	IS 2542 (Part 1) Sec 3
154	MECHANICAL- BUILDINGS MATERIALS	Man Hole Cover	Dimension(Length/Dia.)	IS 12592 (Part 1)
155	MECHANICAL- BUILDINGS MATERIALS	Man Hole Cover	Load test	IS 12592 (Part 1)
156	MECHANICAL- BUILDINGS MATERIALS	Manhole Cover	Dimension(width)	IS 12592 (Part 1)
157	MECHANICAL- BUILDINGS MATERIALS	Manhole Cover	Dimension(thickness)	IS 12592 (Part 1)
158	MECHANICAL- BUILDINGS MATERIALS	Marble (Block, Slab and Tiles)	Specific Gravity	IS 1122
159	MECHANICAL- BUILDINGS MATERIALS	Marble (Blocks, Slabs and Tiles)	Hardness	IS 1130 Mohs' scale
160	MECHANICAL- BUILDINGS MATERIALS	Marble (Blocks, slabs and tiles)	Moisture absorption	IS 1124
161	MECHANICAL- BUILDINGS MATERIALS	Masonry Block	Compressive Strength	IS 2185 (Part 1)
162	MECHANICAL- BUILDINGS MATERIALS	Masonry Block	Density	IS 2185 (Part 1)
163	MECHANICAL- BUILDINGS MATERIALS	Masonry Block	Water absorption	IS 2185 (Part 1)
164	MECHANICAL- BUILDINGS MATERIALS	Natural building stones/Rocks	Dry density	IS 13030
165	MECHANICAL- BUILDINGS MATERIALS	OPC, PPC, PSC, SRC	Compressive Strength	IS 4031 (Part 6)
166	MECHANICAL- BUILDINGS MATERIALS	OPC, PPC, PSC, SRC	Consistency	IS 4031 (Part 4)
167	MECHANICAL- BUILDINGS MATERIALS	OPC, PPC, PSC, SRC	Density	IS 4031 (Part 11)
168	MECHANICAL- BUILDINGS MATERIALS	OPC, PPC, PSC, SRC	Final Setting time	IS 4031 (Part 5):
169	MECHANICAL- BUILDINGS MATERIALS	OPC, PPC, PSC, SRC	Fineness - dry sieving	IS 4031 (Part 1)
170	MECHANICAL- BUILDINGS MATERIALS	OPC, PPC, PSC, SRC	Fineness - Specific surface - Blaine air permeability	IS 4031 (Part 2)

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171	MECHANICAL- BUILDINGS MATERIALS	OPC, PPC, PSC, SRC	Initial Setting time	IS 4031 (Part 5)
172	MECHANICAL- BUILDINGS MATERIALS	OPC, PPC, PSC, SRC	Soundness - Le-Chatelier method	IS 4031 (Part 3)
173	MECHANICAL- BUILDINGS MATERIALS	OPC, PPC, PSC, SRC	Soundness -Autoclave	IS 4031 (Part 3)
174	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Flexural Strength	IS 15658
175	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Abrasion Resistance	IS 15658
176	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Compressive Strength	IS 15658
177	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Tensile Splitting strength	IS 15658
178	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Water absorption	IS 15658
179	MECHANICAL- BUILDINGS MATERIALS	Pull of strength of coating(Tiles, sand plaster, Gypsum plaster)	Pull off adhesion Strength	ASTM D 4541-02:
180	MECHANICAL- BUILDINGS MATERIALS	Pull out test for Anchor bars and rock bolts	Pull out test	IS 11309
181	MECHANICAL- BUILDINGS MATERIALS	Pulverised fuel ash- Pozzolanic material	Soundness - By Le-Chatelier	IS 1727
182	MECHANICAL- BUILDINGS MATERIALS	Pulveriszed Fuel ash	Lime Reactivity	IS 1727
183	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Compressive Strength	IS 1727
184	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel ash	Density	IS 1727
185	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Final Setting Time	IS 4031 (Part 4)
186	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Fineness - Specific surface - Blaine air Permeability	IS 1727
187	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Fineness - wet sieving (Particles retained on 45 µ sieve)	IS 1727
188	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Initial Setting Time	IS 4031 (Part 4)

SCOPE OF ACCREDITATION

Laboratory Name : CSRL-STRUCTWEL LAB (PUNE) PVT LTD, S NO 18/2, PANCHRATNA APARTMENT COMPOUND, BHAIROBA NALA, WANOWARIE, PUNE, MAHARASHTRA, 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
189	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash	Standard Consistency	IS 4031 (Part 4)
190	MECHANICAL- BUILDINGS MATERIALS	Pulverized Fuel Ash- Pozzolanic Material	Soundness - Autoclave method	IS 1727
191	MECHANICAL- BUILDINGS MATERIALS	Silica Fume / Microsilica	Compressive strength at 7 days as % of control sample	IS 15388
192	MECHANICAL- BUILDINGS MATERIALS	Silica fume/ Microsilica	Oversize % retained on 45 micron IS sieve	IS 15388
193	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires for concrete reinforcement	0.2 % Proof stress	IS 1608 (Part 1)
194	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires for concrete reinforcement	Bend Test	IS 1599
195	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength Deformed steel Bars and wires for Concrete Reinforcement	Mass per meter	IS 1786 Cl 7.2
196	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength Deformed steel Bars and wires for Concrete Reinforcement	Percentage Elongation	IS 1608 (Part 1)
197	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High strength Deformed steel bars and wires for Concrete Reinforcement	Rebend test	IS 1786 Cl 9.4
198	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel Bars and wires for Concrete Reinforcement	Tensile Strength	IS 1608 (Part 1)
199	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed steel Bars and wires for Concrete Reinforcement	Yield strength	IS 1608:(Part 1)
200	MECHANICAL- SOIL AND ROCK	Natural building stone	Compressive strength	IS 1121 (part 1)
201	MECHANICAL- SOIL AND ROCK	Natural Building Stones and Rocks	Porosity	IS 1124
202	MECHANICAL- SOIL AND ROCK	Natural Building Stones and Rocks	Water absorption	IS 1124
203	MECHANICAL- SOIL AND ROCK	Natural Building Stones/ Rocks	Specific Gravity	IS 1122
204	MECHANICAL- SOIL AND ROCK	Rock	Unconfined Compressive Strength	IS 9143

SCOPE OF ACCREDITATION

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205	MECHANICAL- SOIL AND ROCK	soil	Free swell index	IS 2720 (Part 40)
206	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis	IS 2720 (Part 4)
207	MECHANICAL- SOIL AND ROCK	Soil	Laboratory California Bearing Ratio	IS 2720 (Part 16)
208	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
209	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 (Part 5)
210	MECHANICAL- SOIL AND ROCK	Soil	Proctor Density - Heavy Compaction	IS 2720 (Part 8)
211	MECHANICAL- SOIL AND ROCK	Soil	Proctor Density - Light Compaction	IS 2720 (Part 7)
212	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage limit	IS 2720 (Part 6)
213	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
214	MECHANICAL- SOIL AND ROCK	Soil	Water Content	IS 2720 (Part 2)
215	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Dimension and squareness	IS 4020 (Part 2)
216	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Edge loading test	IS 4020 (Part 7)
217	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Effect on door shutter due to slamming	IS 4020 (Part 10)
218	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	General flatness	IS 4020 (Part 3)
219	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Glue adhesion	IS 4020 (Part 15)
220	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Impact Indentation	IS 4020 (Part 5)
221	MECHANICAL- WOOD AND WOOD PRODUCTS	Door shutter	Knife Test	IS 4020 (Part 14)
222	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Planeness of the surface	IS 4020 (Part 5)
223	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Resistance to Buckling	IS 4020 (Part 9)

SCOPE OF ACCREDITATION

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224	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Resistance to end immersion in water	IS 4020 (Part 13)
225	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Resistance to misuse	IS 4020 (Part 11)
226	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Resistance to Shock	IS 4020 (Part 8)
227	MECHANICAL- WOOD AND WOOD PRODUCTS	Door Shutter	Screw withdrawal resistance of door shutter	IS 4020 (Part 16)
228	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Density	IS 2380 (Part 3)
229	MECHANICAL- WOOD AND WOOD PRODUCTS	Particle Board	Moisture content	IS 2380 (Part 3)
230	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Adhesion of plies	IS 1734 (Part 5)
231	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Density	IS 1734 (Part 1)
232	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Moisture content	IS 1734 (Part 1)
233	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Nails Holding power and screw holding power	IS 4020 (Part 16)
234	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Resistance to dry heat	IS 1734 (Part 2)
235	MECHANICAL- WOOD AND WOOD PRODUCTS	Plywood	Water Resistance	IS 1734 (Part 6)
236	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	Density	IS 1708 (Part 2)
237	MECHANICAL- WOOD AND WOOD PRODUCTS	Timber	Moisture content	IS 1708 (Part 1)
238	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened concrete	Carbonation test	IS 516 : Part 5 : Sec 3

SCOPE OF ACCREDITATION

Laboratory Name : CSRL-STRUCTWEL LAB (PUNE) PVT LTD, S NO 18/2, PANCHRATNA APARTMENT COMPOUND, BHAIROBA NALA, WANOWARIE, PUNE, MAHARASHTRA, INDIA

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LOCATION 1-S NO 18/2, PANCHRATNA APARTMENT COMPOUND, BHAIROBA NALA, WANOWARIE, PUNE, MAHARASHTRA, INDIA Site Facility				
1	MECHANICAL- SOIL AND ROCK	soil	Dry density by core cutter method	IS 2720 (Part 29)
2	MECHANICAL- SOIL AND ROCK	Soil	Dry density by sand replacement method	IS 2720 (Part 28)
3	MECHANICAL- SOIL AND ROCK	Soil	Field California Bearing Ratio	IS 2720 (Part 31)
4	MECHANICAL- SOIL AND ROCK	Soil	Plate Load test	IS 1888
5	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Cover depth and reinforcement detailing	BS 1881
7	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened concrete	Half cell potential difference test	ASTM C 876-91
8	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Schmidt Rebound Hammer	IS 13311 (Part 2):1992, IS 516 : Part 5 : Sec 4
9	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Ultrasonic Pulse Velocity	IS 516 (Part 5 / Sec 1)

SCOPE OF ACCREDITATION

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LOCATION 2 - UNIT NO. 5, WAGHERE EMPIRE, YAMUNA WAGHERE PARK, MORWADI, PIMPRI, PUNE, MAHARASHTRA, INDIA Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS 3495 (Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption	IS 3495 (Part 2)
4	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Bulk Density	IS 2386 (part 3)
5	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Elongation Index	IS 2386 (Part 1)
6	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Flakiness Index	IS 2386 (Part 1)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Particle size distribution	IS 2386 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Specific gravity	IS 2386 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Water absorption	IS 2386 (Part 3)
10	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulk Density	IS 2386 (Part 3)
11	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Bulkage	IS 2386 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Material Finer than 75 micron (Silt by weight)	IS 2386 (Part 1)
13	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Sieve anlaysis	IS 2386 (Part 1)
14	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Specific Gravity	IS 2386 (Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Water Absorption	IS 2386 (Part 3)
16	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516
17	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Compressive strength	IS 15658
18	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Water absorption	IS 15658