National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BHARGAVA BUILDING ATELIER (P) LTD., ARGADE KI GALI, DAL BAZAR, GWALIOR, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/08/2022 to 11/08/2024 **Last Amended on** -

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- METALS & ALLOYS	Steel TMT bars	Carbon	ASTME 415
2	CHEMICAL- METALS & ALLOYS	Steel TMT bars	Phosphorus	ASTM E 415
3	CHEMICAL- METALS & ALLOYS	Steel TMT bars	Sulphur	ASTM E 415
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Binder Content	ASTM D 2172
5	MECHANICAL- BUILDINGS MATERIALS	Bricks /Fly Ash / Burnt Clay	Width	IS 1077
6	MECHANICAL- BUILDINGS MATERIALS	Bricks/Fly Ash /Burnt clay	Height	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Bricks/Fly Ash/ Burnt clay	Compressive Strength	IS 3495 Part 1
8	MECHANICAL- BUILDINGS MATERIALS	Bricks/Fly Ash/Burnt Clay	Efflorescence	IS 3495 Part III
9	MECHANICAL- BUILDINGS MATERIALS	Bricks/Fly ash/Burnt Clay	Length	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Bricks/FlyAsh/Burnt Clay	Water Absorption	IS 3495 Part-II
11	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 53 Grade / 43 Grade & PPC)	Compressive Strength	IS:4031 Part 6
12	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 53 Grade / 43 Grade & PPC)	Final Setting Time	IS:4031 Part 5
13	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 53 Grade / 43 Grade & PPC)	Initial Setting Time	IS:4031 Part 5
14	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 53 Grade / 43 Grade & PPC)	Soundness a) Le-chatelier's Method	IS:4031 Part 3
15	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC 53 Grade / 43 Grade & PPC)	Standard Consistency	IS:4031 Part 4
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Abrasion Value by Los Angles	IS 2386 Part IV
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS:2386 Part IV
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS:2386 Part IV

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS:2386 Part 1
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS:2386 Part 1
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS:2386 (Part IV)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (20mm, 10mm, 4.75mm)	IS:2386 Part 1
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS:2386 Part 3
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS:2386 Part 3
25	MECHANICAL- BUILDINGS MATERIALS	Concrete	Compressive Strength	IS 516
26	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516
27	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Silt Content	IS:2386 Part 2
28	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS:2386 Part 3
29	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS:2386 Part 3
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS:2386 Part 3
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (0.150 mm)	Sieve Analysis	IS:2386 Part 1
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (0.600mm)	Sieve Analysis	IS:2386 Part 1
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (2.36 mm)	Sieve Analysis	IS:2386 Part 1
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates (4.75 mm)	Sieve Analysis	IS:2386 Part 1
35	MECHANICAL- BUILDINGS MATERIALS	Mix Design (coarse, fine aggregate, cement, Water admixture)	Slump cone test	IS 1199
36	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks /AAC blocks/ Concrete Paver Blocks	Compressive strength	IS 15658
37	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks /AAC blocks/ Concrete Paver Blocks	Length	IS 15658

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38	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks /AAC blocks/ Concrete Paver Blocks	Thickness	IS 15658
39	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks /AAC blocks/ Concrete Paver Blocks	Water Absorption	IS 15658
40	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks /AAC blocks/ Concrete Paver Blocks	Width	IS 15658
41	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement steel	mass per meter	IS 1786
42	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement steel	Re-Bend Test (24, 30, 32,36, 40,48,50,60,64,72,80,84,96,100,112,120, 125,128,140, 150, 160,175, 192,224 mm)	IS 1786
43	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement steel	Ultimate Tensile Strength	IS 1608 Part1
44	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement Steel	Yield Stress	IS 1608 Part 1
45	MECHANICAL- MECHANICAL PROPERTIES OF METALS	steel	% Elongation	IS: 1608 Part 1
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	steel	Bend Test (24, 30, 32,36, 40,48,50,60,64,72,80,84,96,100,112,120, 125,128,140, 150, 160,175, 192,224 mm)	IS : 1599
47	MECHANICAL- SOIL AND ROCK	Rock	Uniaxial Compressive strength	IS 9143
48	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS 2720 Part 16
49	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 Part 15
50	MECHANICAL- SOIL AND ROCK	soil	Direct Shear (Cohesion)	IS 2720 Part 13
51	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of friction)	IS 2720 Part 13
52	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 Part 40
53	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction MDD	IS 2720 Part 8

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54	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction OMC	IS 2720 Part 8
55	MECHANICAL- SOIL AND ROCK	soil	Light Compaction MDD	IS 2720 Part 7
56	MECHANICAL- SOIL AND ROCK	soil	Light Compaction OMC	IS 2720 Part 7
57	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 Part 5
58	MECHANICAL- SOIL AND ROCK	Soil	Moisture Analysis	IS:2720 Part 2
59	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
60	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3)
61	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 Part 41
62	MECHANICAL- SOIL AND ROCK	soil	Triaxial Test with Pore Pressure Measurement (angle of friction)	IS 2720 Part 12
63	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test with Pore Pressure Measurement (Cohesion)	IS 2720 Part 12
64	MECHANICAL- SOIL AND ROCK	Soil (4.75,2.00,1.18,0.600,0.300,0.150,0.075)	Grain Size Analysis	IS 2720 (Part 4)

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Site Facility				
1	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforcement cement concrete	Ultrasonic Pulse Velocity	IS 516 Part 5 : Sec 1
2	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforcement concrete structure	Rebound Hammer Test	IS 516 Part 5 : Sec 1