National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : OMRESEARCH & TESTING LABORATORY PRIVATE LIMITED, GIRWAR BHAWAN, SUKHDEO NAGAR, RATU ROAD, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8933 **Page No** 1 of 4

Validity 17/01/2023 to 16/07/2024 **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	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Compressive Strength	IS 3495 (P-1)
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Height)	IS 1077
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Length)	IS 1077
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Dimension (Width)	IS 1077
5	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Efflorescence	IS 3495 (P-3)
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Brick	Water Absorption	IS 3495(p-2)
7	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fines Value	IS 2386 (P-4)
8	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS 2386 (P-3)
9	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing value	IS 2386 (P-4)
10	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS:2386 (P-1)
11	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (P-1)
12	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (P-4)
13	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Moisture Content	IS 2386 (Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (2.36 MM, 4.75 MM, 10 MM, 12.5 MM, 16 MM, 20 MM, 40 MM, 63 MM, 80 MM, 160 MM)	IS 2386 (P-1)
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness MgSO4 &Na2SO4	IS 2386 (P-5)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS:2386 (P-3)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Total Deleterious Material	IS:2386 (P-2)

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18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (P-3)
19	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density	IS 2386 (P-3)
20	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulking of Sand	IS 2386 (Part 3)
21	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurities	IS 2386 (Part 2)
22	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (75 MICRON, 150 MICRON, 300 MICRON, 600 MICRON, 1.18 MM, 2.36 MM, 4.75 MM, 10 MM)	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness MgSO4 & Na2SO4	IS 2386 (P-5)
24	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (P-3)
25	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Total Deleterious Material	IS 2386 (P-2)
26	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (P-3)
27	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	IS 516
28	MECHANICAL- BUILDINGS MATERIALS	HardenedConcrete/CC core	Compressive Strength	IS 516
29	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for paving	Compressive Strength	IS 15658
30	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for paving	Dimension (Length)	IS 15658
31	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for paving	Dimension (Thickness)	IS 15658
32	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for paving	Dimension (Width)	IS 15658
33	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for paving	Thickness of wearing layer	IS 15658
34	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for paving	Water Absorption	IS 15658
35	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Dry Sieve	IS 6186

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36	MECHANICAL- SOIL AND ROCK	Bentonite	Fineness by Wet Sieve	IS 6186
37	MECHANICAL- SOIL AND ROCK	Bentonite	Liquid Limit	IS 2720 (P-5)
38	MECHANICAL- SOIL AND ROCK	Bentonite	Sand Content	IS 6186
39	MECHANICAL- SOIL AND ROCK	Bentonite	Swelling Index	IS 2720 (P-40)
40	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720(P-16)
41	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test (Cohesion Intercept)	IS 2720 (P-13)
42	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test (Angle of Internal Friction)	IS 2720 (P-13)
43	MECHANICAL- SOIL AND ROCK	Soil	Free Swelling Index	IS 2720 (Part 40)
44	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720(P-5)
45	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (P-2)
46	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720 (P-5)
47	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720(P-5)
48	MECHANICAL- SOIL AND ROCK	Soil	Proctor Compaction (MDD)	IS:2720(P-8)
49	MECHANICAL- SOIL AND ROCK	Soil	Proctor Compaction (OMC)	IS:2720(P-8)
50	MECHANICAL- SOIL AND ROCK	Soil	Sieve Analysis	IS:2720(P-4)
51	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS:2720(P-3,Sec. I & II)
52	MECHANICAL- SOIL AND ROCK	Stone /Granite/Marble	Compressive Strength	IS 1121(P-1)
53	MECHANICAL- SOIL AND ROCK	Stone /Granite/Marble	Dimension (Width)	IS 1130
54	MECHANICAL- SOIL AND ROCK	Stone /Granite/Marble	Durability	IS 1126

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55	MECHANICAL- SOIL AND ROCK	Stone /Granite/Marble	Hardness (Mohs)	IS 13630 (P-13)
56	MECHANICAL- SOIL AND ROCK	Stone /Granite/Marble	Specific Gravity	IS 1124
57	MECHANICAL- SOIL AND ROCK	Stone /Granite/Marble	Water Absorption	IS 1124
58	MECHANICAL- SOIL AND ROCK	Stone/Granite/Marble	Dimension (Length)	IS 1130
59	MECHANICAL- SOIL AND ROCK	Stone/Granite/Marble	Dimension (Thickness)	IS 1130