National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TECHPRO ENGINEERS PVT. LTD. (LABORATORY DIVISION), 114, RAM GANGA HOUSING SOCIETY, NARAMAU, G.T. ROAD, KANPUR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 23/12/2022 to 22/12/2024 **Last Amended on** 21/04/2023

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
Permanent Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495(Part 1)
2	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence Test	IS 3495(Part 3)
3	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Height of 20 bricks set	IS 1077
4	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Length of 20 bricks set	IS 1077
5	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495(Part 2)
6	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Width of 20 bricks set	IS 1077
7	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS 4031 (Part 6)
8	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031(Part 11)
9	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting time	IS 4031(Part 5)
10	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Blaine’s air permeability	IS 4031(Part 2)
11	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by Dry Sieving	IS 4031(Part 1)
12	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting time	IS 4031(Part 5)
13	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Autoclave method	IS 4031(Part 3)
14	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier	IS 4031(Part 3)
15	MECHANICAL- BUILDINGS MATERIALS	Cement	Standard consistency	IS 4031(Part 4)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10 % Fines Value	IS 2386(Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS 2386(Part 2)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Compacted Bulk Density	IS 2386(Part 3)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386(Part 4)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386(Part 1)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386(Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386(Part 4)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	light -weight pieces	IS 2386(Part 2)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loose Bulk Density	IS 2386(Part 3)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386(Part 4)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Material Finer than 75 micron	IS 2386(Part 1)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Particle Size	IS 2386(Part 1)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by MgSO4	IS 2386(Part 5)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness by Na2SO4	IS 2386(Part 5)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386(Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386(Part 3)
32	MECHANICAL- BUILDINGS MATERIALS	Core	Compressive Strength	IS 516 (part-4)
33	MECHANICAL- BUILDINGS MATERIALS	Core	Diameter	IS 516 (part-4)
34	MECHANICAL- BUILDINGS MATERIALS	Core	Length	IS 516 (part-4)
35	MECHANICAL- BUILDINGS MATERIALS	Cube	Compressive Strength	IS 516 (Part-1)
36	MECHANICAL- BUILDINGS MATERIALS	Cube	Height	IS 516 (Part-1)
37	MECHANICAL- BUILDINGS MATERIALS	Cube	Length	IS 516 (Part-1)

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38	MECHANICAL- BUILDINGS MATERIALS	Cube	Width	IS 516 (Part-1)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Compacted Bulk Density	IS 2386(Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Loose Bulk Density	IS 2386(Part 3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (80, 20, 4.75, 2.0, 1.0, 0.600, 0.425, 0.300, 0.150, 0.075 mm)	IS 2386(Part 1), IS 383
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by MgSO4	IS 2386(Part 5)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Soundness by Na2SO4	IS 2386(Part 5)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386(Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Abrasion Resistance	IS 15658, Annex-E
47	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Arris/chamfer	IS 15658, Annex-B
48	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Compressive Strength	IS 15658, Annex-D
49	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Length	IS 15658, Annex-B
50	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Thickness	IS 15658, Annex-B
51	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Water Absorption	IS 15658, Annex-C
52	MECHANICAL- BUILDINGS MATERIALS	Paving Block	Width	IS 15658, Annex-B
53	MECHANICAL- SOIL AND ROCK	Rock	Apparent specific gravity	IS 1124
54	MECHANICAL- SOIL AND ROCK	Rock	Brazilian test	IS 10082
55	MECHANICAL- SOIL AND ROCK	Rock	Water Absorption	IS 1124

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56	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS:2720 (Part-IV)
57	MECHANICAL- SOIL AND ROCK	Soil	Cone penetration test	IS 2720(part-5)
58	MECHANICAL- SOIL AND ROCK	Soil	Hydrometer Analysis	IS:2720 (Part-IV)
59	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS:2720 (Part-V)
60	MECHANICAL- SOIL AND ROCK	Soil	Modified Proctor Test (Dry Density)	IS;2720 (Part-VIII)
61	MECHANICAL- SOIL AND ROCK	Soil	Modified Proctor Test (OMC)	IS:2720 (Part-VIII)
62	MECHANICAL- SOIL AND ROCK	Soil	Natural Moisture Content	IS:2720 (Part-II)
63	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS:2720 (Part V)
64	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS:2720 (Part VI)
65	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity Test (Coarse Grained Soil)	IS:2720 (Part-III-Sec2)
66	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity Test (Fine Grained Soil)	IS 2720 (part- III-Sec-1)
67	MECHANICAL- SOIL AND ROCK	Soil	Standard Proctor Test (Dry Density)	IS:2720 (Part VII)
68	MECHANICAL- SOIL AND ROCK	Soil	Standard Proctor Test (OMC)	IS:2720 (Part-VIII)
69	MECHANICAL- SOIL AND ROCK	soil	total soluble soild	IS 2720(part-21)
70	MECHANICAL- SOIL AND ROCK	Soil & Rock	California Bearing Ratio Test	IS:2720 (Part-XVI)
71	MECHANICAL- SOIL AND ROCK	Soil & Rock	Consolidation Test	IS:2720 (Part-XV)
72	MECHANICAL- SOIL AND ROCK	Soil & Rock	Constant Head Permeability Test	IS:2720 (Part-36)
73	MECHANICAL- SOIL AND ROCK	Soil & Rock	Density of Rock	IS:13030
74	MECHANICAL- SOIL AND ROCK	Soil & Rock	Direct Shear Test (C Value)	IS:2720 (Part-XIII)

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75	MECHANICAL- SOIL AND ROCK	Soil & Rock	Direct Shear Test (f- Value)	IS:2720 (Part-XIII)
76	MECHANICAL- SOIL AND ROCK	Soil & Rock	Falling Head Permeability Test	IS:2720 (Part-XVII)
77	MECHANICAL- SOIL AND ROCK	Soil & Rock	Free Swell Index	IS:2720 (Part-40)
78	MECHANICAL- SOIL AND ROCK	Soil & Rock	Point Load Test	IS:8764
79	MECHANICAL- SOIL AND ROCK	Soil & Rock	Unconfined Compressive Strength of Rock	IS:9143
80	MECHANICAL- SOIL AND ROCK	Soil & Rock	Unconfined Compressive Strength of Soil	IS:2720 (Part-X)
81	MECHANICAL- SOIL AND ROCK	Soil & Rock	Unconsolidated Undrained Triaxial Compression Test (C Value)	IS:2720 (Part-XI)
82	MECHANICAL- SOIL AND ROCK	Soil & Rock	Unconsolidated Undrained Triaxial Compression Test (f- Value)	IS:2720 (Part-XI)
83	MECHANICAL- SOIL AND ROCK	Soil & Rock	Water Content Test	IS:13030