National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PATLIPUTRA TESTING LABORATORY, SALEMPUR, SIWAN, BIHAR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10968 **Page No** 1 of 4

Validity 06/09/2022 to 05/09/2024 **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	AAC Block	Compressive Strength	IS 6441 (Part 5)
2	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Density	IS 6441 (Part 1)
3	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension (Height)	IS 2185 (Part 3)
4	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension (Length)	IS 2185 (Part 3)
5	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension (Width)	IS 2185 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Dense Bituminous Macadam (DBM) / Bituminous Macadam (BM) / Bituminous Concrete (BC)	Bitumen Content	IRC SP 11
7	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Dense Bituminous Macadam (DBM) / Bituminous Macadam (BM) / Bituminous Concrete (BC)	Density	ASTM D2726
8	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Dense Bituminous Macadam (DBM) / Bituminous Macadam (BM) / Bituminous Concrete (BC)	Sieve Analysis (13.2 mm to 75 micron)	IS 2386 (Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension (Length)	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension (Width)	IS 1077
12	MECHANICAL- BUILDINGS MATERIALS	Brick	Efflorescence	IS 3495 (Part 3)
13	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (Part 2)
14	MECHANICAL- BUILDINGS MATERIALS	Clay / Brick	Dimension (Height)	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Coal & Lignite	IS 2386 (Part 2)
16	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10 Percent Fines Value	IS 2386 (Part 4)
17	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Crushing Value	IS 2386 (Part 4)
18	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Aggregate Impact Value	IS 2386 (Part 4)

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19	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Clay Lumps	IS 2386 (Part 2)
21	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
22	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Material Finer Than 75 micron IS Sieve	IS 2386 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (80 mm to 2.36 mm)	IS 2386 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by Sodium Sulphate & Magnesium Sulphate	IS 2386 (Part 5)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
28	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Concrete Cube	Compressive Strength	IS 516 (Part 1, Section 1)
30	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density of Sand	IS 2386 (Part 3)
31	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Clay Lumps	IS 2386 (Part 2)
32	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Coal & Lignite	IS 2386 (Part 2)
33	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Material Finer Than 75 micron IS Sieve	IS 2386 (Part 1)
34	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (10 mm to 0.150 mm)	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness by Sodium Sulphate & Magnesium Sulphate	IS 2386 (Part 5)
36	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Specific Gravity	IS 2386 (Part 3)
37	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorbtion	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Granular Sub Base (GSB) / Wet Bound Macadam (WBM) / Wet Mix Macadam (WMM)	Sieve Analysis (125 mm to 6.3 mm)	MORTH (Section 400)
39	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement (OPC)	Compressive Strength	IS 4031 (Part 6)
40	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement (OPC)	Consistency of Cement	IS 4031 (Part 4)
41	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement (OPC)	Density	IS 4031 (Part 11)
42	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement (OPC)	Final Setting Time	IS 4031 (Part 5)
43	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement (OPC)	Fineness	IS 4031 (Part 2)
44	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement (OPC)	Fineness by Dry Sieving	IS 4031 (Part 1)
45	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement (OPC)	Initial Setting Time	IS 4031 (Part 5)
46	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement (OPC)	Soundness by Autoclave	IS 4031 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Ordinary Portland Cement (OPC)	Soundness by Le-Chatelier	IS 4031 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Compressive Strength	IS 15658
49	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Height)	IS 15658
50	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Length)	IS 15658
51	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Dimension (Width)	IS 15658
52	MECHANICAL- BUILDINGS MATERIALS	Paver Block	Water Absorption	IS 15658
53	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC)	Compressive Strength	IS 4031 (Part 6)
54	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC)	Consistency	IS 4031 (Part 4)
55	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC)	Density	IS 4031 (Part 11)
56	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC)	Dry Shrinkage	IS 4031 (Part 10)

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57	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC)	Final Setting Time	IS 4031 (Part 5)
58	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC)	Fineness	IS 4031 (Part 2)
59	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC)	Fineness by Dry Sieving	IS 4031 (Part 1)
60	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC)	Initial Setting Time	IS 4031 (Part 5)
61	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC)	Soundness by Autoclave	IS 4031 (Part 3)
62	MECHANICAL- BUILDINGS MATERIALS	Portland Pozzolana Cement (PPC)	Soundness by Le-Chatelier	IS 4031 (Part 3)