National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ROYALTY TESTING & CONSULTANTS PRIVATE LIMITED, MOHUDDINPUR, GATA NO. 349/1, JALESAR ROAD, FIROZABAD, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 09/06/2022 to 08/06/2024 **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	Bitumen	Ductility	IS 1208
2	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash Point	IS 1209
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
5	MECHANICAL- BUILDINGS MATERIALS	Bituminous Concrete/ Asphalt	Bitumen Content	IRC SP - 11
6	MECHANICAL- BUILDINGS MATERIALS	Bituminous/ Concrete Road Section	Bridge Load Test (Bituminous/ Concrete Road Section)	IRC SP - 51
7	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Compressive Strength	IS 3495 (Part 1)
8	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
9	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
10	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimensions (Length)	IS 1077
11	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Efflorescence	IS 3495 (Part 3)
12	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Water Absorption	IS 3495 (Part 2)
13	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Compressive Strength	IS 3495 (Part 1)
14	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimension (Height)	IS 13757
15	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimension (Length)	IS 13757
16	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Dimension (Width)	IS 13757
17	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Efflorescence	IS 3495 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Fly Ash Building Bricks	Water Absorption	IS 3495 (Part 2)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Compressive Strength	IS 4031 (Part 6)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Consistency	IS 4031 (Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Density	IS 4031 (Part 11)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Fineness by Blaine's Air Permeability Method	IS 4031 (Part 2)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Setting Time (Final)	IS 4031 (Part 5)
24	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Setting Time (Initial)	IS 4031 (Part 5)
25	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Soundness by Le- Chatelier	IS 4031 (Part 3)
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (Sieve Size in mm 80, 63, 40, 20, 16, 12.5, 10, 4.75, 2.36)	IS 2386 (Part 1)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by MgSO4	IS 2386 (Part 5)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness by Na2SO4	IS 2386 (Part 5)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Total Deleterious Materials	IS 2386 (Part 1 & 2)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)

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37	MECHANICAL- BUILDINGS MATERIALS	Concrete Core	Compressive Strength	IS 516
38	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking of Sand	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Material	IS 2386 (Part 1 & 2)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS 2386 (Part 1 & 2)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (Size of Sieve in mm 10, 4.75, 2.36, 1.18, 0.600, 0.300, 0.150, 0.075)	IS 2386 (Part 1)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness by MgSO4	IS 2386 (Part 5)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness by Na2SO4	IS 2386 (Part 5)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727
48	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Density	IS 1727
49	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Blaine Air Permeability Method	IS 1727
50	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Particles Retained on 45 micron IS Sieve	IS 1727
51	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash - Lime Bricks	Compressive Strength	IS 3495 (Part 1)
52	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash - Lime Bricks	Dimension (Height)	IS 12894
53	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash - Lime Bricks	Dimension (Width)	IS 12894
54	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash - Lime Bricks	Dimensions (Length)	IS 12894

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55	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash - Lime Bricks	Efflorescence	IS 3495 (Part 3)
56	MECHANICAL- BUILDINGS MATERIALS	Fuel Ash - Lime Bricks	Water Absorption	IS 3495 (Part 2)
57	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive Strength	IS 516
58	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Dimensions (Length)	IS 15658
59	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Compressive Strength	IS 15658
60	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Dimensions (Thickness)	IS 15658
61	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Dimensions (Width)	IS 15658
62	MECHANICAL- BUILDINGS MATERIALS	Precast Concrete Block for Paving	Water Absorption	IS 15658
63	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio (CBR)	IS 2720 (Part 16)
64	MECHANICAL- SOIL AND ROCK	Soil	Density by Core cutter Method	IS 2720 (Part 29)
65	MECHANICAL- SOIL AND ROCK	Soil	Density by Sand Replacement Method	IS 2720 (Part 28)
66	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion)	IS 2720 (Part 13)
67	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Angle of Internal Friction)	IS 2720 (Part 13)
68	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
69	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis/ Sieve Analysis	IS 2720 (Part 4)
70	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density (MDD)	IS 2720 (Part 7)
71	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content (OMC)	IS 2720 (Part 8)
72	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density (MDD)	IS 2720 (Part 8)
73	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content (OMC)	IS 2720 (Part 7)

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74	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
75	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
76	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
77	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
78	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3, Section 2)
79	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Rebound Hammer Test	IS 516 (Part 5, Section 4)
80	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structure	Ultrasonic Pulse Velocity Test	IS 516 (Part 5, Section 1)