SCOPE OF ACCREDITATION

Laboratory Name :	AGRAWAL TESTING AND RESEARCH LAB PVT LTD, H NO. 20-21, INDRAPURI COLONY, TIKAMGARH, MADHYA PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-9449
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Validity	20/04/2021 to 19/04/2023
Last Amended on	23/08/2022

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	Low Alloy & Carbon Steel	Carbon	IS 8811
2	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Chromium	IS 8811
3	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Manganese	IS 8811
4	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Nickel	IS 8811
5	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Phosphorous	IS 8811
6	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Silicon	IS 8811
7	CHEMICAL- METALS & ALLOYS	Low Alloy & Carbon Steel	Sulphur	IS 8811
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Bitumen content	ASTM D2172/IRC SP11
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Flash/fire point	IS:1209
10	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening point	IS 1205
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous mix	Flow	ASTM D6927
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous mix	Load	ASTM 6927D
13	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS:3495 Pt-1
14	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension (Length)	IS:1077
15	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension(Width)	IS:1077
16	MECHANICAL- BUILDINGS MATERIALS	Bricks	Effloresence	IS:3495 P-3
17	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS:3495 P-2
18	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS:4031 P-6

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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
19	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 P-4
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Final setting time	IS 4031 P-5
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness	IS 4031 P-2
22	MECHANICAL- BUILDINGS MATERIALS	cement	fineness by sieving	IS:4031 P-1
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting time	IS 4031 P-5
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Le-Chatlier Soundness	IS:4031
25	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density	IS:2386 Pt 3
26	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS:2386 Pt 1
27	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Water absorption	IS:2386 P-3
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	10% Fine value	IS:2386 Pt 4
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS:2386 Pt 4
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation index	IS:2386 Pt 1
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness index	IS:2386 P1
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact value	IS:2386 Pt 4
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific gravity	IS:2386 Pt 3
34	MECHANICAL- BUILDINGS MATERIALS	Concrete paver block	Compressive strength	IS 15658 ANNEX E
35	MECHANICAL- BUILDINGS MATERIALS	Concrete paver block	Dimension (mm)	IS 15658 ANNEX B
36	MECHANICAL- BUILDINGS MATERIALS	Concrete paver block	Water absorbtion	IS 15658 ANNEX C
37	MECHANICAL- BUILDINGS MATERIALS	Concretre	Compressive strength	IS:516

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Accreditation Standard	ISO/IEC 17025:2017		
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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
38	MECHANICAL- BUILDINGS MATERIALS	core	compressive strength	IS:516
39	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Sieve analysis	IS:2386 P1
40	MECHANICAL- BUILDINGS MATERIALS	fine aggregate	specific gravity	IS:2386 (P-3)
41	MECHANICAL- BUILDINGS MATERIALS	Fine aggregate	Water absorption	IS:2386(P-3)
42	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Bulk density	IS:2386 (p-3)
43	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Materials, Others	Tensile Strength	IS 1608 (Part 1)
44	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials , alloys & products	Yield Strength	IS 1608 (Part 1)
45	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	IS 1599
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness HV10	IS 1501 (Part 1)
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars and Wires	Nominal Mass/ Weight Per Meter/ Mass	IS 1786
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bars and Wires	Re-bend Test	IS 1786
49	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Rockwell Hardness HRBW	IS 1586 (Part 1)
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welds & Welded Test Specimens	Rockwell Hardness HRC	IS 1586 (Part 1)
51	MECHANICAL- SOIL AND ROCK	Soil	Angle of Internal Friction Test	IS 2720 (Part 13)
52	MECHANICAL- SOIL AND ROCK	Soil	CBR	IS:2720 (Part-16)
53	MECHANICAL- SOIL AND ROCK	Soil	C-Cohesion Test	IS 2720 (Part 13)

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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
54	MECHANICAL- SOIL AND ROCK	Soil	Dry density by sand replacement method	IS 2720
55	MECHANICAL- SOIL AND ROCK	Soil	Dry Density by the Core-cutter Method	IS 2720 (Part 29)
56	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720(Part 40)
57	MECHANICAL- SOIL AND ROCK	Soil	Grain size	IS 2720 Pt-4
58	MECHANICAL- SOIL AND ROCK	Soil	Heavy compaction	IS 2720 Pt -8
59	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction	IS 2720 Pt-8
60	MECHANICAL- SOIL AND ROCK	Soil	Light compaction	IS 2720 Pt-7
61	MECHANICAL- SOIL AND ROCK	Soil	Light compaction	IS 2720 Pt-7
62	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 Pt-5
63	MECHANICAL- SOIL AND ROCK	Soil	Moisture content	IS 2720 Pt-2
64	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 Pt-5
65	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
66	MECHANICAL- SOIL AND ROCK	Soil	Standard Penitration Test	IS 2131
67	MECHANICAL- SOIL AND ROCK	Soil	Water absorption	IS:2720 Pt 2

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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
Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Dry density by sand replacement method	IS 2720
2	MECHANICAL- SOIL AND ROCK	Soil	Dry Density by the Core-cutter Method	IS 2720 (Part 29)