National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ISHAN CALIBRATION & MATERIAL HITECH PVT LTD, KHASRA NO. 228, BIRPUR COMPLEX, BARI BRAHMANA, TEHSIL BISHNATH, JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9078 **Page No** 1 of 6

Validity 28/10/2022 to 27/10/2024 **Last Amended on** 25/01/2023

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	CHEMICAL- METALS & ALLOYS	Steel	Carbon	IS 228 : Part 1
2	CHEMICAL- METALS & ALLOYS	Steel	Manganese	IS 228 Part-2
3	CHEMICAL- METALS & ALLOYS	Steel	Phosphorus	IS 228 ;Part-3
4	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Compressive Strength	IS 2185 (Part-3)
5	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Density	IS 6441(Part-1)
6	MECHANICAL- BUILDINGS MATERIALS	AAC block	Dimension (Height)	IS 2185 (Part 3)
7	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension (Length)	IS 2185 (Part 3)
8	MECHANICAL- BUILDINGS MATERIALS	AAC Block	Dimension (Width)	IS 2185 (Part 3)
9	MECHANICAL- BUILDINGS MATERIALS	Admixture	Compressive strength (1,3,7,28 days)	IS 9103
10	MECHANICAL- BUILDINGS MATERIALS	Admixture	Final Setting Time	IS 9103
11	MECHANICAL- BUILDINGS MATERIALS	Admixture	Initial Setting Time	IS 9103
12	MECHANICAL- BUILDINGS MATERIALS	Admixture	slump	IS 1199
13	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Bitumen Content	ASTM D2172
14	MECHANICAL- BUILDINGS MATERIALS	Brick	Compressive Strength	IS 3495 (Part 1)
15	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension (Height)	IS 1077
16	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension (Length)	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Brick	Dimension (Width)	IS 1077
18	MECHANICAL- BUILDINGS MATERIALS	Brick	Water Absorption	IS 3495 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : ISHAN CALIBRATION & MATERIAL HITECH PVT LTD, KHASRA NO. 228, BIRPUR COMPLEX, BARI BRAHMANA, TEHSIL BISHNATH, JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9078 **Page No** 2 of 6

Validity 28/10/2022 to 27/10/2024 **Last Amended on** 25/01/2023

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
19	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
20	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Compressive Strength	IS 4031 (Part 6)
21	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Consistency	IS 4031 (Part 4)
22	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Density	IS 4031 (Part 11)
23	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC)	Fineness by Dry Sieving	IS 4031 (Part 1)
24	MECHANICAL- BUILDINGS MATERIALS	Cement (PPC)	Drying Shrinkage	IS 4031 (Part 10)
25	MECHANICAL- BUILDINGS MATERIALS	Cement(OPC/PPC)	Fineness by Blaine Air Permeability Method	IS 4031 (Part 2)
26	MECHANICAL- BUILDINGS MATERIALS	Ceramic / Vitrified Tiles	Resistance to Straining	IS 13630 (Part 8)
27	MECHANICAL- BUILDINGS MATERIALS	Ceramic / Vitrified Tiles	Resistance to surafce abrasion	IS 13630 (Part 11)
28	MECHANICAL- BUILDINGS MATERIALS	Ceramic /Vitrified Tiles	Scratch Hardness	IS 13630 (Part 13)
29	MECHANICAL- BUILDINGS MATERIALS	Ceramic /Vitrified Tiles	Water Absorption	IS 13630 (Part 2)
30	MECHANICAL- BUILDINGS MATERIALS	Ceramic/ Vitrified Tiles	Breaking Strength	IS 13630 (Part 6)
31	MECHANICAL- BUILDINGS MATERIALS	Ceramic/ Vitrified Tiles	Resistance to deep Abration (Unglazed)	IS 13630 (Part 12)
32	MECHANICAL- BUILDINGS MATERIALS	Ceremaic / Vitrified Tiles	Thermal Shock Resistance	IS 13630 (Part 9)
33	MECHANICAL- BUILDINGS MATERIALS	Cermaic / Vitrified Tile	Modulus of Rapture	IS 13630 (Part 6)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Finer Value	IS 2386 (Part 4)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk density	IS 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Clay Lumps	IS 2386 (Part 2)
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Coal & Lignite	IS 2386 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : ISHAN CALIBRATION & MATERIAL HITECH PVT LTD, KHASRA NO. 228, BIRPUR COMPLEX, BARI BRAHMANA, TEHSIL BISHNATH, JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9078 **Page No** 3 of 6

Validity 28/10/2022 to 27/10/2024 **Last Amended on** 25/01/2023

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
38	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing value	IS 2386 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Deleterious material (Material finer than 75 micron)	IS 2386 (Part 2)
40	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness index	IS 2386 (Part 1)
41	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
42	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
43	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Soundness	IS 2386 (Part 5)
45	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Course Aggregate	Elongation Index	IS 2386 (Part 1)
48	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Clay Lumps	IS 2386 (Part 2)
49	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Coal & Lignite	IS 2386 (Part 2)
50	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Material Finer Than 75 Micron	IS 2386 (Part 1)
51	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Organic Impurity	IS 2386 (Part 2)
52	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieves Analysis	IS 2386 (Part 1)
53	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (cube)	Compressive Strength	IS 516 (Part 1 & Sec 1)
54	MECHANICAL- BUILDINGS MATERIALS	Kerbstone	Compressive Strength	IS 5758
55	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Soundness By Autocleave	IS 4031 (Part 3)
56	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC	Soundness by Le chatlier	IS 4031 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : ISHAN CALIBRATION & MATERIAL HITECH PVT LTD, KHASRA NO. 228, BIRPUR COMPLEX, BARI BRAHMANA, TEHSIL BISHNATH, JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9078 **Page No** 4 of 6

Validity 28/10/2022 to 27/10/2024 **Last Amended on** 25/01/2023

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
57	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC Cement	Final Setting Time	IS 4031 (Part 5)
58	MECHANICAL- BUILDINGS MATERIALS	OPC/PPC Cement	Initial Setting Time	IS 4031 (Part 5)
59	MECHANICAL- BUILDINGS MATERIALS	Paver blocks	Compressive strength	IS 15658
60	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT / Structure Steel	Bend Test (Mandrel SIze 8,10,12,14,16,20,24,32,40,50,60, 64,80,140,175,240,280, 320 mm)	IS:1786
61	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT / Structure Steel	Elongation	IS 1608, Part-1
62	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT / Structure Steel	Mass Per Meter	IS 1786
63	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT / Structure Steel	Re bend Test (Mandrel Dia. 44,32 mm)	IS:1786:2008
64	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT / Structure Steel	Tensile Strength	IS 1608: Part-1
65	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT / Structure Steel	Yield Stress	IS 1608:Part-1
66	MECHANICAL- SOIL AND ROCK	Polished Granite	Specific Gravity	IS 1124
67	MECHANICAL- SOIL AND ROCK	Granite	Dry Density	IS 13030
68	MECHANICAL- SOIL AND ROCK	Granite	Porosity	IS 1124
69	MECHANICAL- SOIL AND ROCK	Granite / Polished Granite	Moisture Content	IS 13030
70	MECHANICAL- SOIL AND ROCK	Granite/ Polished Granite	Compressive Strength	IS 1121 : Part 1
71	MECHANICAL- SOIL AND ROCK	Granote/ Polished Granite	Water Absorption	IS 1124
72	MECHANICAL- SOIL AND ROCK	Rock	Point Load Strength Index	IS 8764

SCOPE OF ACCREDITATION

Laboratory Name : ISHAN CALIBRATION & MATERIAL HITECH PVT LTD, KHASRA NO. 228, BIRPUR COMPLEX, BARI BRAHMANA, TEHSIL BISHNATH, JAMMU, JAMMU AND KASHMIR, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9078 **Page No** 5 of 6

Validity 28/10/2022 to 27/10/2024 **Last Amended on** 25/01/2023

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
73	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
74	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Angle of Shearing Resistance	IS: 2720 (Part 13)
75	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear - Cohesion	IS: 2720 (Part 13)
76	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis (0.075 to 4.75)	IS 2720 (Part 4)
77	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
78	MECHANICAL- SOIL AND ROCK	Soil	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8)
79	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Maximum Dry Density	IS 2720 (Part 7)
80	MECHANICAL- SOIL AND ROCK	Soil	Light Compaction - Optimum Moisture Content	IS 2720 (Part 7)
81	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit by Casagrade Apparatus	IS 2720 (Part 5),Cl.5
82	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
83	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3 / Sec 1)
84	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Angle of Shearing Resistance	IS: 2720 (Part 11)
85	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Compression - Cohesion	IS: 2720 (Part 11)
86	MECHANICAL- SOIL AND ROCK	Soil	Water Content by Oven Drying Method	IS 2720 (Part 2)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ISHAN CALIBRATION & MATERIAL HITECH PVT LTD, KHASRA NO. 228, BIRPUR COMPLEX, BARI BRAHMANA, TEHSIL BISHNATH, JAMMU, JAMMU AND KASHMIR, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9078	**Page No**	6 of 6
Validity	28/10/2022 to 27/10/2024	**Last Amended on**	25/01/2023

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
Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Earth Resistivity Test	IS 15736
2	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
3	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131
4	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC	Re-bound hammer Test	IS 516 (Part 5/Section 4)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Section 1)