National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MARSHAL GEO TEST LABORATORY, P. S CITY ROAD, CHHATRAWAS KHUBCHAND BAGHEL WARD, RAIPUR, CHHATTISGARH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6402 **Page No** 1 of 5

Validity 01/03/2022 to 29/02/2024 **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	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	Al	IS-8811
2	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	C	IS-8811
3	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	Co	IS-8811
4	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	Cr	IS-8811
5	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	Cu	IS-8811
6	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	Mn	IS-8811
7	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	Mo	IS-8811
8	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	Nb	IS-8811
9	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	Ni	IS-8811
10	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	P	IS-8811
11	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	S	IS-8811
12	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	Si	IS-8811
13	CHEMICAL- METALS & ALLOYS	FERROUS BASE LOW ALLOY STEEL	V	IS-8811
14	CHEMICAL- METALS & ALLOYS	FERROUS BASE STAINLESS STEEL	C	IS-9879
15	CHEMICAL- METALS & ALLOYS	FERROUS BASE STAINLESS STEEL	Cr	IS-9879
16	CHEMICAL- METALS & ALLOYS	FERROUS BASE STAINLESS STEEL	Cu	IS-9879
17	CHEMICAL- METALS & ALLOYS	FERROUS BASE STAINLESS STEEL	Mn	IS-9879
18	CHEMICAL- METALS & ALLOYS	FERROUS BASE STAINLESS STEEL	Mo	IS-9879

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19	CHEMICAL- METALS & ALLOYS	FERROUS BASE STAINLESS STEEL	Ni	IS-9879
20	CHEMICAL- METALS & ALLOYS	FERROUS BASE STAINLESS STEEL	P	IS-9879
21	CHEMICAL- METALS & ALLOYS	FERROUS BASE STAINLESS STEEL	S	IS-9879
22	CHEMICAL- METALS & ALLOYS	FERROUS BASE STAINLESS STEEL	Si	IS-9879
23	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	BITUMEN CONTENT PERCENTAGE	IRC : SP:11
24	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	DUCTILITY AT 25 DEG C	IS 1208
25	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	PENETRATION AT 25 DEG C	IS: 1203
26	MECHANICAL- BUILDINGS MATERIALS	BITUMEN	SOFTENING POINT	IS: 1205
27	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICKS & FLYASH BRICKS	COMPRESSTIVE STRENGTH	IS: 3495 PART 1
28	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICKS & FLYASH BRICKS	EFFLORESCENCE	IS: 3495 PART 3
29	MECHANICAL- BUILDINGS MATERIALS	BURNT CLAY BRICKS & FLYASH BRICKS	WATER ABSORPTION	IS: 3495 PART 2
30	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	COMPRESSIVE STRENGTH	IS: 4031 PART 6
31	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	FINAL SETTING TIME	IS: 4031 PART 5
32	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	FINENESS (BLAIN PERMEABILITY)	IS: 4031 PART 2
33	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Fineness by dry Sleving by 90 micron	IS: 4031 PART I
34	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	INITIAL SETTING TIME	IS: 4031 PART 5
35	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	SOUNDNESS (AUTOCLAVE)	IS: 4031 PART 3
36	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	SOUNDNESS BY LE-CHATELIER	IS:4031
37	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/PPC/PSC)	Standard Consistency	IS: 4031 PART 4

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38	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	BULK DENSITY	IS: 2386 PART 3
39	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Coarse aggregate deleterious contnet	IS: 2386 PART II
40	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	CRUSHING VALUE	IS: 2386 PART 4
41	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	ELONGATION INDEX	IS: 2386 PART 1
42	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	FLAKINESS INDEX	IS: 2386 PART 1
43	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	IMPACT VALUE	IS: 2386 PART 4
44	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	LOS-ANGELES ABRASION VALUE	IS: 2386 PART 4
45	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	SIEVE ANALYSIS	IS: 2386 PART1
46	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	SPECIFIC GRAVITY	IS: 2386 PART 3
47	MECHANICAL- BUILDINGS MATERIALS	COARSE AGGREGATE	WATER ABSORPTION	IS: 2386 PART 3
48	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	BULK DENSITY	IS: 2386 PART 3
49	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Fine Aggregate deleterious content	IS: 2386 PART II
50	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SIEVE ANALYSIS	IS: 2386 PART1
51	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	SPECIFIC GRAVITY	IS: 2386 PART 3
52	MECHANICAL- BUILDINGS MATERIALS	FINE AGGREGATE	WATER ABSORPTION	IS: 2386 PART 3
53	MECHANICAL- BUILDINGS MATERIALS	HARDEN CONCRETE	COMPRESSIVE STRENGTH	IS-516 (Part 1/Sec 1)
54	MECHANICAL- BUILDINGS MATERIALS	HARDEN CONCRETE	FLEXURAL STRENGTH	IS-516 (Part 1/Sec 1)
55	MECHANICAL- BUILDINGS MATERIALS	PAVING BLOCK	RESISTANCE TO WEAR	IS: 15658
56	MECHANICAL- BUILDINGS MATERIALS	PAVING BLOCK	WATER ABSORPTION	IS: 15658

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57	MECHANICAL- BUILDINGS MATERIALS	PAVING BLOCKS	COMPRESSIVE STRENGTH	IS: 15658
58	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT BARS, MS BARS, MS FLAT, MS PLATE, MS ANGLE, MS CHANNEL, I SECTION	% ELONGATION	IS 1608 (Part 1)
59	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT BARS, MS BARS, MS FLAT, MS PLATE, MS ANGLE, MS CHANNEL, I SECTION	BEND TEST	IS 1599
60	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT BARS, MS BARS, MS FLAT, MS PLATE, MS ANGLE, MS CHANNEL, I SECTION	MASS PER METER	IS-1786
61	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT BARS, MS BARS, MS FLAT, MS PLATE, MS ANGLE, MS CHANNEL, I SECTION	RE-BEND TEST	IS-1786
62	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT BARS, MS BARS, MS FLAT, MS PLATE, MS ANGLE, MS CHANNEL, I SECTION	UTS	IS-1608
63	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT BARS, MS BARS, MS FLAT, MS PLATE, MS ANGLE, MS CHANNEL, I SECTION	YIELD STRESS	IS 1608
64	MECHANICAL- SOIL AND ROCK	ROCK	UNCONFINED COMPRESSIVE STRENGTH	IS: 9143
65	MECHANICAL- SOIL AND ROCK	SOIL	C.B.R	IS: 2720 PART 16
66	MECHANICAL- SOIL AND ROCK	SOIL	DIRECT SHEAR TEST (ANGLE OF INTERNAL FRICTION)	IS: 2720 PART 13
67	MECHANICAL- SOIL AND ROCK	SOIL	DIRECT SHEAR TEST (COHESION)	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	IS: 2720 PART 4
70	MECHANICAL- SOIL AND ROCK	SOIL	HEAVY COMPACTION (M.D.D)	IS: 2720 PART 8
71	MECHANICAL- SOIL AND ROCK	SOIL	HEAVY COMPACTION (O.M.C)	IS: 2720 PART 8
72	MECHANICAL- SOIL AND ROCK	SOIL	LIGHT COMPACTION (M.D.D)	IS: 2720 PART 7
73	MECHANICAL- SOIL AND ROCK	SOIL	LIGHT COMPACTION (O.M.C)	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	SPECIFIC GRAVITY	IS: 2720 PART 3/ SEC 2
78	MECHANICAL- SOIL AND ROCK	SOIL	TRIAXIAL TEST UNDRAINED UNCONSOLIDATED (ANGLE OF INTERNAL FRICTION)	IS: 2720 PART 11
79	MECHANICAL- SOIL AND ROCK	SOIL	TRIAXIAL TEST UNDRAINED UNCONSOLIDATED (COHESION)	IS: 2720 PART 11
80	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	PCC, RCC STRUCTURES AND CONCRETE CUBES	ULTRASONIC PULSE VELOCITY	IS: 516 PART 5 (SEC 1)
81	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	RCC, PCC STRUCTURES AND CONCRETE CUBES	REBOUND HAMMER	IS: 516 PART 5 (SEC 4)