



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 1 / 11

Validity 14/09/2019 to 11/07/2020 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- BUILDING MATERIAL	Bentonite	pH	IS 6186: 1996 (RA 2010): 2010
2	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC)	Alumina as Al ₂ O ₃	IS 4032:1985 (RA 2014)Amd-02: 2014
3	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC)	Calcium as CaO	IS 4032:1985 (RA 2014) Amd-02: 2014
4	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC)	Iron Oxide as Fe ₂ O ₃	IS 4032:1985 ((RA 2014)Amd-02: 2014
5	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC)	Loss on Ignition	IS 4032, 1985, (RA 2014): 2014
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC)	Magnesium as MgO	IS 4032:1985 (RA 2014) Amd-02: 2014
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC)	Silica as SiO ₂	IS 4032:1985 (RA 2014) Amd-02: 2014
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC, PPC, PSC)	Sulphuric anhydride as SO ₃	IS 4032:1985 (RA 2014) Amd-02: 2014
9	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Ash Content	IS 9103:1999 (RA 2013): 2013
10	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Chloride ion content	IS 6925-1973 clause 5: 1973
11	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Dry Material Content	IS 9103:1999 (RA 2013): 2013
12	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	pH	IS 9103:1999 (RA 2013): 2013
13	CHEMICAL- BUILDING MATERIAL	Concrete Admixture	Relative Density	IS 9103:1999 (RA 2013): 2013



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 2 / 11

Validity 14/09/2019 to 11/07/2020 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
14	CHEMICAL- METALS & ALLOYS	Carbon Steel	Carbon	IS 228(Part 1): 1987 (RA 2012) Amd-01: 2012
15	CHEMICAL- METALS & ALLOYS	Carbon Steel	Manganese	IS 228 (Part 2): 1987 (RA 2012): 2012
16	CHEMICAL- METALS & ALLOYS	Carbon Steel	Phosphorus	IS 228 (Part 3): 1987 (RA 2012): 2012
17	CHEMICAL- METALS & ALLOYS	Carbon Steel	Silicon	IS 228 (Part 8): 1989 (RA 2014): 2014
18	CHEMICAL- METALS & ALLOYS	Carbon Steel	Sulphur	IS 228 (Part 9): 1989 (RA 2014): 2014
19	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228 (Part 1): 1987 (RA 2012) Amd-01: 2012
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228 (Part 6): 1987 (RA 2014): 2014
21	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 228 (Part 2): 1987 (RA 2012): 2012
22	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 228 (Part 7): 1987 (RA 2012): 2012
23	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 228 (Part 5): 1987 (RA 2014): 2014
24	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickle	IS 228 (Part 5): 1987 (RA 2014): 2014
25	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 228 (Part 3): 1987 (RA 2012): 2012
26	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 228 (Part 3): 1987 (RA 2012): 2012



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 3 / 11

Validity 14/09/2019 to 11/07/2020 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
27	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 228 (Part 8): 1989 (RA 2014): 2014
28	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS 228 (Part 9): 1989 (RA 2014): 2014
29	CHEMICAL- SOIL AND ROCK	Micro Silica	Loss on Ignition	IS 1727: 1967 (RA 2008): 2008
30	CHEMICAL- SOIL AND ROCK	Micro Silica	Moisture	IS 15388: 2003 (RA 2012): 2012
31	CHEMICAL- SOIL AND ROCK	Micro Silica	SiO ₂	IS 1727: 1967 (RA 2008): 2008
32	CHEMICAL- SOIL AND ROCK	Soil	Organic matter	IS 2720 (part 22) 1978 (RA 2015): 2015
33	CHEMICAL- SOIL AND ROCK	Soil	pH	IS 2720 (P-26) -1972, Ref 2015 : 2015
34	CHEMICAL- SOIL AND ROCK	Soil	Sulphate	IS 2720 (P 27)1977, (RA 2006): 2006
35	CHEMICAL- WATER	Construction Water	Chloride	IS 3025 (Part 32): 1988 (RA 2014) Cl.2: 2014
36	CHEMICAL- WATER	Construction Water	Fixed Residue (inorganic)	IS 3025 (Part 18): 1984 (RA 2012) Amd-01: 2012
37	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11): 1983 (RA 2012) Cl.2: 2012
38	CHEMICAL- WATER	Construction Water	Sulphate	IS 3025 (Part 24): 1986 (RA 2014): 2014
39	CHEMICAL- WATER	Construction Water	Total Dissolve Solid	IS 3025 (Part 16): 1984 (RA 2012) Amd-01: 2012



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 4 / 11

Validity 14/09/2019 to 11/07/2020 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
40	CHEMICAL- WATER	Construction Water	Total Suspended Solid	IS 3025 (Part 17): 1984 (RA 2012) Amd- 01: 2012
41	CHEMICAL- WATER	Construction Water	Volatile Residue (Organic)	IS 3025 (Part 16): 1984 (RA 2012) Amd-01: 2012
42	CHEMICAL- WATER	Construction Water	Volume of 0.02N H ₂ SO ₄ required to naturalize 100 ml of water using mixed indicator (Alkalinity)	IS 3025 (Part 23): 1986 Cl.8.1: 1986
43	CHEMICAL- WATER	Construction Water	Volume of 0.02N NaOH required to neutralize 100 ml of water using phenolphthaleine indicator	IS 3025 (Part 22): 1986 (RA 2003) Cl.8.1 (RA 2014) Amd-02: 2014
44	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	10% Fine Value	IS 2386 (Part 4): 1963 RA 2016
45	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Bulk Density	IS 2386 (Part 3): 1963 RA 2016
46	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Crushing Value	IS 2386 (Part 4): 1963 RA 2016
47	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Deleterious Materials	IS 2836 (Part 1&2): 1963 RA 2016
48	MECHANICAL- BUILDINGS MATERIALS	Aggregates (Coarse)	Elongation Index	IS 2386 (Part 1): 1963 RA 2016



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 5 / 11

Validity 14/09/2019 to 11/07/2020 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
49	MECHANICAL-BUILDINGS MATERIALS	Aggregates (Coarse)	Flakiness Index	IS 2386 (Part 1): 1963 RA 2016
50	MECHANICAL-BUILDINGS MATERIALS	Aggregates (Coarse)	Impact Value	IS 2386 (Part 4): 1963 RA 2016
51	MECHANICAL-BUILDINGS MATERIALS	Aggregates (Coarse)	Los Angeles Abrasion Value	IS 2386 (Part 4): 1963 RA 2016
52	MECHANICAL-BUILDINGS MATERIALS	Aggregates (Coarse)	Sieve Analysis (4.75 to 80 mm)	IS 2386 (Part 1): 1963 RA 2016
53	MECHANICAL-BUILDINGS MATERIALS	Aggregates (Coarse)	Specific Gravity	IS 2386 (Part 3): 1963 RA 2016
54	MECHANICAL-BUILDINGS MATERIALS	Aggregates (Coarse)	Water absorption	IS 2386 (Part 3): 1963 RA 2016
55	MECHANICAL-BUILDINGS MATERIALS	Aggregates (Fine)	Bulk Density	IS 2386 (Part 3): 1963 RA 2016
56	MECHANICAL-BUILDINGS MATERIALS	Aggregates (Fine)	Organic Impurities & Deleterious Materials	IS 2836 (Part 2): 1963 RA 2016
57	MECHANICAL-BUILDINGS MATERIALS	Aggregates (Fine)	Particle finer than 75 micron	IS 2386 (Part 1): 1963 RA 2016



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 6 / 11

Validity 14/09/2019 to 11/07/2020 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
58	MECHANICAL-BUILDINGS MATERIALS	Aggregates (Fine)	Sieve Analysis(10 to 0.075 mm)	IS 2386 (Part 1): 1963 RA 2016
59	MECHANICAL-BUILDINGS MATERIALS	Aggregates Fine	Specific Gravity	IS 2386 (Part 3): 1963 RA 2016
60	MECHANICAL-BUILDINGS MATERIALS	Aggregates Fine	Water Absorption	IS 2386 (Part 3): 1963 RA 2016
61	MECHANICAL-BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1): 1992 RA 2016
62	MECHANICAL-BUILDINGS MATERIALS	Bricks	Dimension - Width	IS 1077: 1992 RA 2016
63	MECHANICAL-BUILDINGS MATERIALS	Bricks	Dimensions - .Length	IS 1077: 1992 RA 2016
64	MECHANICAL-BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3): 1992 RA 2016
65	MECHANICAL-BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2): 1992 RA 2016
66	MECHANICAL-BUILDINGS MATERIALS	Bricks - Dimension	Height	IS 1077: 1991



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 7 / 11

Validity 14/09/2019 to 11/07/2020 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
67	MECHANICAL-BUILDINGS MATERIALS	Cement - OPC, PPC, Slag	Compressive Strength	IS 4031 (Part 6): 1998 RA 2019
68	MECHANICAL-BUILDINGS MATERIALS	Cement - OPC, PPC, Slag	Consistency	IS 4031 (Part 4): 1988 RA 2019
69	MECHANICAL-BUILDINGS MATERIALS	Cement - OPC, PPC, Slag	Density	IS 4031 (Part 11): 1988 RA 2019
70	MECHANICAL-BUILDINGS MATERIALS	Cement - OPC, PPC, Slag	Final Setting Time	IS 4031 (Part 5): 1988 RA 2019
71	MECHANICAL-BUILDINGS MATERIALS	Cement - OPC, PPC, Slag	Fineness by Blain Air Permeability	IS 4031 (Part 2): 1999 RA 2013
72	MECHANICAL-BUILDINGS MATERIALS	Cement - OPC, PPC, Slag	Initial Setting Time	IS 4031 (Part 5): 1988 RA 2019
73	MECHANICAL-BUILDINGS MATERIALS	Cement - OPC, PPC, Slag	Soundness by Autoclave	IS 4031 (Part 3): 1988 RA 2019
74	MECHANICAL-BUILDINGS MATERIALS	Cement - OPC, PPC, Slag	Soundness by Le-Chateliers	IS 4031(Part 3): 1988 RA 2019
75	MECHANICAL-BUILDINGS MATERIALS	Concrete admixture	Compressive strength	IS:516: 1959 RA 2013



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 8 / 11

Validity 14/09/2019 to 11/07/2020 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
76	MECHANICAL-BUILDINGS MATERIALS	Concrete Admixture	Flexural strength	IS:516: 1959 RA 2013
77	MECHANICAL-BUILDINGS MATERIALS	Concrete Admixture	Water content	IS 9103: 1999 RA 2013
78	MECHANICAL-BUILDINGS MATERIALS	Concrete Beam	Flexural Strength	IS 516: 1959 RA 2013
79	MECHANICAL-BUILDINGS MATERIALS	Concrete Cube & Core	Compressive Strength	IS 516: 1959 RA 2013
80	MECHANICAL-BUILDINGS MATERIALS	Concrete paving blocks	Compressive Strength	IS 15658: 2006 RA 2016; Annex D
81	MECHANICAL-BUILDINGS MATERIALS	Concrete Paving Blocks	Water absorption	IS 15658: 2006 RA 2016; Annex C
82	MECHANICAL-BUILDINGS MATERIALS	Fly Ash	Compressive Strength	IS 1727: 1957 RA 2013
83	MECHANICAL-BUILDINGS MATERIALS	Fly Ash	Fineness by Blaine's Air Permeability	IS 1727: 1967 RA 2013
84	MECHANICAL-BUILDINGS MATERIALS	Fly Ash	Residue 45 Micron (Wet Sieving)	IS 1727: 1967 RA 2013



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 9 / 11

Validity 14/09/2019 to 11/07/2020 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
85	MECHANICAL-BUILDINGS MATERIALS	Fly Ash	Soundness by Autoclave	IS 1727: 1967 RA 2008
86	MECHANICAL-BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727: 1967 RA 2013
87	MECHANICAL-BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199: 1959 RA 2013
88	MECHANICAL-BUILDINGS MATERIALS	Soil	California Bearing Ratio	IS 2720 (Part 16): 1987 RA 2016
89	MECHANICAL-BUILDINGS MATERIALS	Soil / Morrum	Specific gravity	IS 2720 (Part 3 / Sec 1): 1980 RA 2016
90	MECHANICAL-BUILDINGS MATERIALS	Soil /Morrum	Grain Size Analysis1. 0.075 to 19 mm (Wet & Dry Analysis)2. 0.002 to 0.075 mm (Hydrometer Analysis)	IS 2720 (Part 4): 1985 RA 2015
91	MECHANICAL-BUILDINGS MATERIALS	Soil /Murom / Bentonite	Free Swell Index	IS 2720 (Part 40): 1977 RA 2016
92	MECHANICAL-BUILDINGS MATERIALS	Soil /Murom / Bentonite	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8): 1983 RA 201 5
93	MECHANICAL-BUILDINGS MATERIALS	Soil /Murom / Bentonite	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8): 1983 RA 2015



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 10 / 11

Validity 14/09/2019 to 11/07/2020 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
94	MECHANICAL-BUILDINGS MATERIALS	Soil /Murom / Bentonite	Liquid Limit by Casagrade Apparatus	IS 2720 (Part 5): 1985 RA 2015
95	MECHANICAL-BUILDINGS MATERIALS	Soil /Murom / Bentonite	Plastic limit	IS 2720 (Part 5): 1985 RA 2015
96	MECHANICAL-BUILDINGS MATERIALS	Soil /Murom / Bentonite	Shrinkage Limit	IS 2720 (Part 6): 1972 RA 2016
97	MECHANICAL-BUILDINGS MATERIALS	Soil /Murom / Bentonite	Water Content by Oven Drying Method	IS 2720 (Part 2): 1973 RA 2015
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar, TMT Bar , Angle, Channel, flat	Bend	IS1786 (RA2013): 2008
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar, TMT Bar , Angle, Channel, flat	Bend test	IS1599 (RA. 2017): 2012
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar, TMT Bar , Angle, Channel, flat	Elongation	IS 1608:part1: 2018
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar, TMT Bar , Angle, Channel, flat	Re bend	IS1786 (RA2013): 2008



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name TESTING LABORATORY, M D SAFETY EQUIPMENT'S PRIVATE LIMITED, C16/17, MIDC INDUSTRIAL AREA,, NAGPUR, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC- 7573 Page No. : 11 / 11

Validity 14/09/2019 to 11/07/2020 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
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar, TMT Bar , Angle, Channel, flat	Tensile strength N/mm2	IS 1608 part1: 2018
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	HSD Bar, TMT Bar , Angle, Channel, flat	Yield stress/0.2% proof, N/mm2	IS 1786:2008 (RA 2013) Amd-3: 2013