



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MATERIAL TESTING LABORATORY AND QUALITY MANAGEMENT CENTRE,
SIBBARI ROAD, ATHAL-BASTI, P.O. GHUNGOOR (SMS), SILCHAR, CACHAR,
ASSAM , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6157 Page No. : 1 / 5

Validity 26/10/2019 to 25/10/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
Permanent Facility				
1	CHEMICAL- WATER	Water	Acidity (as CaCO ₃)	IS 3025 Pt- 22:1986 RA: 2014
2	CHEMICAL- WATER	Water	Alkalinity (as CaCO ₃)	IS 3025 Pt-23:1986 RA: 2014
3	CHEMICAL- WATER	Water	Chlorides (as Cl)	IS 3025 Pt- 32: 1988 RA: 2014
4	CHEMICAL- WATER	Water	Organic solid and Inorganic solid (Volatile and fixed residue)	IS 3025 Pt-18: 1984 RA: 2012
5	CHEMICAL- WATER	Water	pH	IS 3025 Pt-11:1983 RA: 2012
6	CHEMICAL- WATER	Water	Sulphates (as SO ₃)	IS 3025 Pt- 24: 1986 RA: 2012
7	CHEMICAL- WATER	Water	Suspended (non filterable) matter	IS 3025 Pt- 17: 1984 RA: 2012
8	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS 3495 -1992 Pt-I :RA : 2011
9	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495-1992 Pt-3 : RA: 2011
10	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption	IS 3495 1992 Pt-2 : RA: 2011
11	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive strength	IS 4031 Pt-VI 1988: RA: 2009
12	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 Pt-IV 1988: RA: 2009
13	MECHANICAL- BUILDINGS MATERIALS	Cement	Final Setting Time	IS 4031 Pt-V 1988: RA: 2009



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14	MECHANICAL-BUILDINGS MATERIALS	Cement	Fineness by dry sieving	IS 4031 Pt-I 1996: RA: 2010
15	MECHANICAL-BUILDINGS MATERIALS	Cement	Initial Setting time	IS 4031 Pt- V 1988: RA: 2009
16	MECHANICAL-BUILDINGS MATERIALS	Cement	Soundness by Le-Chatelier Method	IS 4031 Pt- III 1988: RA: 2009
17	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Aggregate Impact Value	IS 2386 Pt-IV 1963: RA: 2016
18	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 Pt-I 1963, RA: 2016
19	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 Pt-I 1963 : RA : 2016
20	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Free Surface Moisture	IS 2386 Pt- III 1963: RA: 2016
21	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Los Angles Abrasion Value	IS 2386 Pt- IV 1963 : RA: 2016
22	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Particle size distribution	IS 383: 2016
23	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Specific gravity	IS 2386 Pt-III 1963 : RA: 2016



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
24	MECHANICAL-BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 Pt-III 1963: RA: 2016
25	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Particle size distribution	IS 383: 2016
26	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Specific gravity	IS 2386 Pt-III 1963 : RA: 2016
27	MECHANICAL-BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 Pt- III 1963 : RA: 2016
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal	% of Elongation	IS 1608 :Part 1: 2018
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal	Bend test (Mandrel size in mm): 8/10/12/20/30/32/36/40/44/50/60/70/ 76/84/90/96/112/120	IS 1599 :2012 RA 2017 & IS 1786 :2008 RA: 2013
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal	Re-bend test(Mandrel size in mm) : 8/10/12/20/30/32/36/40/44/50/60/70/ 76/84/90/96/112/120	IS 1599 :2012 RA 2017 & IS 1786: 2008 RA: 2013
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metal	Yield Strength (Load Range 10 kN to 600 kN)	IS 1608 :Part 1: 2018
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals	Reduction of Area	IS 1608 : Part 1: 2018



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33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous metals	Ultimate Tensile Stress (Load Range 10 kN to 600 kN)	IS 1608 : Part 1: 2018
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals	% of Elongation	IS 1608 :Part 1: 2018
35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals	% of Reduction of area	IS 1608:Part 1: 2018
36	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals	Bend test	IS 1599:2012 RA 2015 & IS 1786 :2008 RA: 2013
37	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals	Ultimate Tensile Stress (Load Range 10 kN to 600 kN)	IS 1608:Part 1: 2018
38	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-Ferrous metals	Yield Strength (Load Range 10 kN to 600 kN)	IS 1608:Part 1 : 2018
39	MECHANICAL- SOIL AND ROCK	Clays & Soils	Atterberg's limits	IS 2720 Pt-5 1985 RA: 2015
40	MECHANICAL- SOIL AND ROCK	Clays & Soils	CBR	IS 2720 Pt-16 1987 RA: 2011
41	MECHANICAL- SOIL AND ROCK	Clays & Soils	Field density(by core cutter method)	IS 2720 Pt-29 1975 RA: 2015



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42	MECHANICAL- SOIL AND ROCK	Clays & Soils	Grain size analysis	IS 2720 Pt-4 1985 RA: 2015
43	MECHANICAL- SOIL AND ROCK	Clays & Soils	Maximum Dry Density (by Standard Proctor)	IS 2720 Pt-7 1980 RA: 2011
44	MECHANICAL- SOIL AND ROCK	Clays & Soils	Moisture Content	IS 2720 Pt-9 1965: RA: 2011
45	MECHANICAL- SOIL AND ROCK	Clays & Soils	Optimum Moisture Content (by Standard Proctor)	IS 2720 Pt-8 1983 RA: 2015
46	MECHANICAL- SOIL AND ROCK	Clays & Soils	Specific gravity	IS 2720 Pt- 3 1980 RA: 2011