National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : STRENGTH OF MATERIALS LABORATORY, G10A, GDN BLOCK, VIT (VELLORE INSTITUTE OF TECHNOLOGY), VELLORE CAMPUS, KATPADI -THIRUVALAM ROAD, VELLORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8015 **Page No** 1 of 1

Validity 06/01/2023 to 05/01/2025 **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	MECHANICAL- BUILDINGS MATERIALS	Concrete Block (Solid / Hollow)	Compression test	IS 2185 (Part 1) Annex D
2	MECHANICAL- BUILDINGS MATERIALS	Brick	Water absorption	IS 3495 (Part 2)
3	MECHANICAL- BUILDINGS MATERIALS	Clay / Fly ash Brick	Compression test	IS 3495 (Part 1)
4	MECHANICAL- BUILDINGS MATERIALS	Hardened concrete cube	Compression test	IS 516
5	MECHANICAL- BUILDINGS MATERIALS	Paver block	Compression test	IS 15658 Annex D
6	MECHANICAL- BUILDINGS MATERIALS	solid block	Block Density	IS 2185 (Part 1) Annex C
7	MECHANICAL- BUILDINGS MATERIALS	solid block	Water Absorption	IS 2185 (Part 1) Annex E
8	MECHANICAL- BUILDINGS MATERIALS	TMT bar	Percentage of elongation	IS 1608 (Part 1)
9	MECHANICAL- BUILDINGS MATERIALS	TMT bar	Tensile strength	IS 1608 (Part 1)
10	MECHANICAL- BUILDINGS MATERIALS	TMT bar	Yield stress	IS 1608 (Part 1)
11	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous materials (HRBW)	Rockwell Hardness	IS 1586 (Part 1)
12	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non ferrous materials	Brinell Hardness	IS 1500 (Part 1)
13	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous materials (HRC)	Rockwell Hardness	IS 1586 (Part 1)
14	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Mild steel rod ,Aluminum,copper	Double shear	IS 5242
15	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring made from circular cross section and wire and bar	Compression test	IS 7906 (Part 2)
16	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Spring made from circular cross section and wire and bar	Tensile test	IS 7907 (Part 2)