

Laboratory Venus Testing Services Private Limited, Bandha Road, Patiala, Punjab
 Accreditation Standard ISO/IEC 17025: 2005
 Certificate Number TC-6496 Page 1 of 1
 Validity 03.11.2017 to 02.11.2019 Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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MECHANICAL TESTING

I. MECHANICAL PROPERTIES OF METALS				
1.	Steel Reinforcement	Tensile Strength	IS 1608	100 N/mm ² to 700 N/mm ²
		Yield Stress	IS 1608	100 N/mm ² to 700 N/mm ²
		Elongation %	IS 1608	5 % to 50 %
		Bend	IS 1599	Qualitative (Mandrel Size: 16, 20, 24, 30, 32, 36, 40, 48, 60, 64, 75, 80, 100 & 125 mm)
		Re-bend	IS 1786	Qualitative (Mandrel Size: 30, 32, 40 mm)
		Mass per meter	IS 1786	0.08 kg/m to 15 kg/m
II. BUILDING MATERIALS				
1.	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)	4.75 mm to 80 mm (1 % to 100 %)
		Crushing Value	IS 2386 (Part 4)	5 % to 60 %
		Impact Value	IS 2386 (Part 4)	5 % to 60 %
		Los Angeles Abrasion Value	IS 2386 (Part 4)	5 % to 60 %
		Flakiness Index	IS 2386 (Part 1)	5 % to 60 %
		Elongation Index	IS 2386 (Part 1)	5 % to 60 %
		10 % Fine Value	IS 2386 (Part 4)	5 Ton to 40 Ton
		Water Absorption	IS 2386 (Part 3)	0.1 % to 20 %
		Bulk Density	IS 2386 (Part 3)	1 kg/L to 2.5 kg/L
		2.	Paver Block	Water Absorption
Compressive Strength	IS 15658			5 N/mm ² to 70 N/mm ²
3.	Concrete	Compressive Strength	IS 516	5 N/mm ² to 75 N/mm ²