

Laboratory

Civil Clinic, 6-50/1(6), Ground Floor, Pratham Enclave, Chokkabettu
Main Road, Surathkal, Mangalore, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5858

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Validity 30.06.2017 to 29.06.2019

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
<u>MECHANICAL TESTING</u>				
I.	BUILDING MATERIALS			
1.	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)	1 to 4
		Bulk Density	IS 2386 (Part 3)	1 kg/l to 2 kg/l
		Sieve Analysis	IS 2386(Part 1)	1.1 % to 100% (4.75 mm to 40 mm)
		Water Absorption	IS 2386 (Part 3)	0.1% to 2.5%
		Impact Value	IS 2386 (Part 4)	5% to 50%
		Flakiness Index	IS 2386 (Part 1)	2% to 50%
		Elongation Index		2% to 50%
		Crushing Value 10 % fines	IS 2386 (Part 4) IS 2386 (Part 4)	5% to 50% 0.5 Tons to 50 Tons
	Fine Aggregate	Bulk Density	IS 2386 (Part 3)	1 kg/l to 2 kg/l
		Sieve Analysis	IS 2386 (Part 1)	1.1 % to 100% (75 micron to 4.75 mm)
		Water Absorption	IS 2386 (Part 3)	0.1% to 2.5%
		Determination of Material Finer Than 75-Micron	IS 2386 (Part 3)	0.1% to 100%
		Specific Gravity.	IS 2386 (Part 3)	1 to 4
2.	Concrete			
	a) Concrete	Compressive Strength	IS 516	10 N/mm ² to 60 N/mm ²
	b) Hollow & Solid Concrete Blocks	Compressive Strength.	IS 2185 (Part 1)	1 N/mm ² to 20 N/mm ²