

Laboratory Sanjari Test House - Testing Laboratory, A-9, Anand Colony, Ratlam, Madhya Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7668

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Validity 06.08.2018 to 05.08.2020

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**

<b>I.</b>	<b>BUILDING MATERIAL</b>			
<b>1.</b>	<b>Fine Aggregate</b>	Sieve Analysis	IS 2386 (Part 1)	0.1 % to 100 % (75 µm to 4.75 mm)
		Specific Gravity	IS 2386 (Part 3)	1.5 to 4.0
		Water Absorption	IS 2386 (Part 3)	0.1 % to 5.0 %
		Bulk Density (Loose)	IS 2386 (Part 3)	1.00 kg/L to 2.00 kg/L
<b>2.</b>	<b>Coarse Aggregate</b>	Sieve Analysis	IS 2386 (Part 1)	0.1 % to 100 % (4.75 mm to 80 mm)
		Elongation Index	IS 2386 (Part 1)	5 % to 50 %
		Flakiness Index	IS 2386 (Part 1)	5 % to 50 %
		Water Absorption	IS 2386 (Part 3)	0.5 % to 5 %
		Impact Value	IS 2386 (Part 4)	1 % to 50 %
		Crushing Value	IS 2386 (Part 4)	1 % to 50 %
<b>3.</b>	<b>Concrete Cube</b>	Compressive Strength	IS 516	5 N/mm <sup>2</sup> to 70 N/mm <sup>2</sup>
<b>4.</b>	<b>Burnt Clay Brick</b>	Dimension Length Width Height	IS 1077	3000 mm to 6000 mm 1500 mm to 3000 mm 1000 mm to 2000 mm
		Compressive Strength	IS 3495 (Part 1)	2 N/mm <sup>2</sup> to 45 N/mm <sup>2</sup>
		Water Absorption	IS 3495 (Part 1)	0.1 % to 40 %
<b>II.</b>	<b>SOIL AND ROCK</b>			
<b>1.</b>	<b>Clay &amp; Soils</b>	Liquid Limit	IS 2720 (Part 5)	10 % to 150 %
		Plastic Limit	IS 2720 (Part 5)	5 % to 50 %
		Light Compaction	IS 2720 (Part 7)	MDD: 1 g/cc to 2.9 g/cc OMC: 5 % to 20 %
		California Bearing Ratio	IS 2720 (Part 16)	1 % to 100 %