

Laboratory Premier Engineering Consultants & Material Testing Lab, Amarvathi,  
Hospet, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7948

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Validity 26.09.2018 to 25.09.2020

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 MATERIALS</b>			
<b>1.</b>	<b>Fine Aggregate</b>	Specific Gravity	IS 2386 (Part 3)	1 to 4
		Bulk Density compacted Bulk Density loose	IS 2386 (Part 3)	1 kg/lit to 2 kg/lit
		Sieve Analysis	IS 2386 (Part 1)	0.1 % to 100 % (4.75 mm to 125 mm)
		Water Absorption	IS 2386 (Part 3)	0.1 % to 2.5 %
<b>2.</b>	<b>Coarse Aggregate</b>	Impact Value	IS 2386 (Part 4)	5 % to 50 %
		Flakiness Index Elongation Index	IS 2386 (Part 1)	2 % to 50 %
		Crushing Value	IS 2386 (Part 4)	5 % to 50 %
		Specific Gravity.	IS 2386 (Part 3)	1 to 4
		Bulk Density compacted Bulk Density loose	IS 2386 (Part 3)	1 kg/lit to 2 kg/lit
		Sieve Analysis	IS 2386 (Part 1)	0.1 % to 100 % (4.75 mm to 0.150 mm)
		Water Absorption	IS 2386 (Part 3)	0.1 % to 5 %
<b>3.</b>	<b>Concrete</b>	Compressive Strength	IS 516	10 N/mm <sup>2</sup> to 80 N/mm <sup>2</sup>
<b>4.</b>	<b>Hollow &amp; Solid Concrete Blocks</b>	Compressive Strength	IS 2185 (Part 1)	1 N/mm <sup>2</sup> to 20 N/mm <sup>2</sup>
<b>II.</b>	<b>SOIL &amp; ROCK</b>			
<b>1.</b>	<b>Soil</b>	Free swell Index	IS 2720 (Part 40)	10 % to 100 %
		Moisture Content	IS 2720 (Part 2)	5 % to 20 %