

Laboratory	Omega Test House, 134, Industrial Area, Panchkula, Haryana		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	21.07.2014
Certificate Number	T-3041	Valid Until	20.07.2016
Last Amended on	22.10.2014	Page	1 of 1

S.No.	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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I. MECHANICAL PROPERTIES OF MATERIALS

1. High Strength deformed steel bars and wire	Yield Stress	IS 1608-2005	12 N/mm ² to 740 N/mm ²
	Tensile Strength	-do-	12 N/mm ² to 740 N/mm ²
	Elongation	-do-	0.2% to 40%
2. Concrete cubes	Compressive Strength	IS 516-1959: RA2008	10 N/mm ² to 80 N/mm ²

II. BUILDING MATERIALS

1. Common burnt clay building bricks	Compressive Strength	IS 3495 (Part-1):1992 RA 2007	8 N/mm ² to 60 N/mm ²
	Water absorption	IS 3495 (Part-2) :1992 RA 2007	0.5% to 25%
	Efflorescence	IS 3495 (Part-3): 1992 RA 2007	Qualitative
2. Coarse Aggregate From Natural sources for Concrete			
a. Coarse Aggregate	Aggregate Impact Value	IS 2386 (Part-4): 1963 RA 2007	1% to 40%
b. Fine Aggregate	Grading (Sieve analysis)	IS 383-1970: RA 2007 &	Weight Retained In (%) 0 to 100
		IS 2386 (Part-1): 1963 RA 2007	Sieve size - (10 mm, 4.75 mm, 4.75 mm, 2.36 mm, 1.18 mm, 600 micron, 300 micron, 150 micron)

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