Concrete Futures Laboratory, Ambuja Cements Ltd., Parimal Cross Road, Ellisbridge, Ahmedabad, Gujarat Laboratory

ISO/IEC 17025: 2005 **Accreditation Standard** 

Discipline **Mechanical Testing** Issue Date 16.11.2016

**Certificate Number** T-3067 Valid Until 15.11.2018

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection				
I.	BUILDINGS MATERIALS							
1.	Fine Aggregates_	Sieve Analysis	IS 2386 (Part 1): 1963 (RA 2011)	Upto 100 % using IS Sieve (4.75 mm to 150 micron)				
		Particle Finer than 75 micron	IS 2386 (Part 1): 1963 (RA 2011)	0 to 25 %				
		Specific Gravity	IS 2386 (Part 3): 1963 (RA 2011)	1 to 4				
		Water Absorption	IS 2386 (Part 3): 1963 (RA 2011)	0.05 % to 10 %				
		Loose Bulk Density	IS 2386 (Part 3): 1963 (RA 2011)	1 kg/l to 2.5 kg/l				
		Rodded Bulk Density	IS 2386 (Part 3): 1963 (RA 2011)	1  kg/l to  3.0  kg/l				
2.	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1): 1963 (RA 2011)	Upto 100 % using IS Sieve (63 mm to 4.75 mm)				
		Elongation Index	IS 2386 (Part 1): 1963 (RA 2011)	1 % to 50 %				
		Flakiness Index	IS 2386 (Part 1): 1963 (RA 2011)	1 % to 50%				
		Specific Gravity	IS 2386 (Part 3): 1963 (RA 2011)	1 to 4				
		Water Absorption	IS 2386 (Part 3): 1963 (RA 2011)	0 to 20 %				

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Coarse Aggregate	Loose Bulk Density	IS 2386 (Part 3): 1963 (RA 2011)	1 kg/l to 2.5 kg/l
		Rodded Bulk Density	IS 2386 (Part 3): 1963 (RA 2011)	1 kg/l to 3.0 kg/l
3.	Harden Concrete Cubes	Compressive Strength	IS 516: 1959 (RA 2013)	1 N/mm <sup>2</sup> to 80 N/mm <sup>2</sup>
4.	Concrete paving Blocks	Compressive Strength	IS 15658: 2006 (RA 2011)	1 N/mm <sup>2</sup> to 80 N/mm <sup>2</sup>
5.	Fly Ash	Determination of Fineness of Particles by Wet Sieving	IS 1727: 1967(6.2) (RA 2008)	Upto 25 % 75 Micron & 45 Micron

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