

Laboratory Precious Labs, 2-3-239, Plot No. 11, Road No. 2/A, Adarsh Nagar Colony, Nagole, Uppal, Ranga Reddy, Andhra Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7344

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Validity 06.06.2018 to 05.06.2020

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

I.	BUILDING MATERIAL			
1.	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)	2.36 mm to 80 mm
		Water Absorption	IS 2386 (Part 3)	0.4 % to 2 %
		Specific Gravity	IS 2386 (Part 3)	2 to 4
		Flakiness Index	IS 2386 (Part 1)	5.0 % to 50 %
		Elongation Index	IS 2386 (Part 1)	5.0 % to 50 %
		10% Fines Value	IS 2386 (Part 4)	5 T to 30 T
2.	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)	0.075 mm to 4.75 mm
		Water Absorption	IS 2386 (Part 3)	1 % to 4 %
		Specific Gravity	IS 2386 (Part 3)	2 to 4
		Material Finer than 75 Microns	IS 2386 (Part 1)	0.1 % to 3.0 %
3.	Concrete Cubes & Cores	Compressive Strength	IS 516	7.5 N/mm ² to 80 N/mm ²
4.	Burnt Clay Bricks/ Fly Ash Bricks/ Fly Ash Lime Bricks	Compressive Strength	IS 3495 (Part 1)	2.8 N/mm ² to 30 N/mm ²
		Water Absorption	IS 3495 (Part 2)	1 % to 40 %
II.	SOIL & ROCK			
1.	Soil	Grain Size Analysis	IS 2720 (Part 4)	0.075 mm to 75mm
		Light Compaction	IS 2720 (Part 7)	MDD: 1.52 g/cc to 2.5 g/cc OMC: 4 % to 15 %
		Heavy Compaction	IS 2720 (Part 8)	MDD: 1.52 g/cc to 3.0 g/cc OMC: 4 % to 15 %
		Liquid Limit and Plastic Limit	IS 2720 (Part 5)	20 % to 80 % 6 % to 35 %