

Laboratory **Hyderabad Test Labs & Engineering Services LLP, D.No.8-2-103/5, Anuradha Colony, Hasthinapuram, L.B. Nagar, Hyderabad, Telangana**

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

Certificate Number **TC-7601** Page 1 of 1

Validity **25.07.2018 to 24.07.2020** 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. BUILDINGS MATERIALS				
1.	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)	0.1 % to 100 % (75 µm to 4.75 mm)
		Material finer than 75µm	IS 2386 (Part 1)	0.1 % to 20 %
		Water absorption	IS 2386 (Part 3)	0.1 % to 10 %
2.	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)	2 to 4
		Sieve Analysis	IS 2386 (Part 1)	0.1 % to 100 % (4.75 mm to 80 mm)
		Water absorption	IS 2386 (Part 3)	0.1 % to 10 %
		Specific Gravity	IS 2386 (Part 3)	2 to 4
		Flakiness Index	IS 2386 (Part 1)	1 % to 60 %
		Elongation Index	IS 2386 (Part 1)	1 % to 50 %
		Crushing Value	IS 2386 (Part 4)	1 % to 50 %
		Impact Value	IS 2386 (Part 4)	1 % to 50 %
3.	Concrete (Cube & Core)	Los Angeles Abrasion value	IS 2386 (Part 4)	1 % to 50 %
		Compressive Strength	IS 516	10 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)	1 N/mm ² to 30 N/mm ²
		Water Absorption	IS 3495 (Part 2)	1 % to 20 %
		Dimension Length Breadth Height	IS 1077	4000 mm to 4800 mm 1900 mm to 2400 mm 1100 mm to 1600 mm
5.	Concrete Paver Blocks	Compressive Strength	IS 15658	1 N/mm ² to 75 N/mm ²
		Water Absorption	IS 15658	0.1 % to 10 %
6.	Solid Concrete Block	Compressive Strength	IS 2185 (Part 1)	1 N/mm ² to 35 N/mm ²
		Water Absorption	IS 2185 (Part 2)	0.1 % to 50 %