

Laboratory **Mattest Laboratory, GF 01, Vitthal Park, Phase-IV, R.S. No. 1011/3, Plot No. 2, Radhanagari Road, Kolhapur, Maharashtra**

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

Certificate Number **TC-7024**

Page 1 of 2

Validity **05.08.2019 to 11.03.2020**

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 MATERIALS			
1.	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1)	0 to 100 % (63 mm to 2.36 mm)
		Flakiness Index	IS 2386 (Part 1)	1 % to 50 %
		Elongation Index	IS 2386 (Part 1)	1 % to 50 %
		Specific Gravity	IS 2386 (Part 3)	2 to 4
		Water Absorption	IS 2386 (Part 3)	0.1 % to 10 %
		Aggregate Impact Value	IS 2386 (Part 4)	1 % to 50 %
		Aggregate Crushing Value	IS 2386 (Part 4)	1 % to 50 %
2.	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1)	0 to 100 % (10 mm to 0.075 mm)
		Material Finer than 75 micron	IS 2386 (Part 1)	0.0 to 30 %
		Specific Gravity	IS 2386 (Part 3)	2 to 4
		Water Absorption	IS 2386 (Part 3)	0.1 % to 10 %
		Bulk Density	IS 2386 (Part 3)	1 kg/lit to 3 kg/lit
3.	Hardened Concrete	Compressive Strength of Cubes/cores	IS 516	5 N/mm <sup>2</sup> to 80 N/mm <sup>2</sup>
4.	Burnt Clay Bricks & Fly Ash Bricks	Dimensions	IS 1077 IS 13757	L-2000 mm to 6000 mm W-1000 mm to 4000 mm H-500 mm to 2000 mm
		Compressive Strength	IS 3495 (Part 1)	1 N/mm <sup>2</sup> to 30 N/mm <sup>2</sup>
		Water Absorption	IS 3495 (Part 2)	1 % to 30 %
		Efflorescence	IS 3495 (Part 3)	Qualitative
5.	Paver Blocks	Compressive Strength	IS 15658 Annex D	10 N/mm <sup>2</sup> to 80 N/mm <sup>2</sup>

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		Water Absorption	IS 15658 Annex C	0.1 % to 20 %
		Abrasion Resistance	IS 15658 Annex E	1000 mm <sup>3</sup> to 50000 mm <sup>3</sup> / 5000mm <sup>2</sup>

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