

Laboratory

Builders' Services Centre, No. 11, Ammamandapam Road,
Mambalasalai, Srirangam, Tiruchirappalli, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-6648

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Validity

22.09.2018 to 21.09.2020

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
MECHANICAL TESTING				
I.	BUILDING MATERIALS			
1.	Concrete Cubes	Compressive strength	IS 516-1959 (RA 2013)	10 kN to 1800 kN
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2.	Burnt Clay Bricks/ Fly Ash Bricks	Compressive strength	IS 3495-(Part 1)1992 (RA 2016)	10 kN to 1500 kN
		Water Absorption	IS 3495-(Part 2)1992 (RA 2016)	1 % to 50 %
		Efflorescence	IS 3495-(Part 3)1992 (RA 2016)	(Qualitative) Visual Observation
3.	Concrete Paver Blocks	Dimension	IS 15658-2006 (RA 2017)	40 mm to 600 mm
		Water Absorption	IS 15658-2006 (RA 2017)	1 % to 15 %
		Compressive Strength	IS 15658-2006 (RA 2017)	10 kN to 1800 kN
4.	Autoclaved Cellular (Aerated) Concrete Block	Dimension	IS 2185(Part 3)-1984 (RA 2015)	50 mm to 700 mm
		Bulk Density	IS 6441(Part 1)-1972 (RA 2017)	450 kg/m ³ to 1000 kg/m ³
		Moisture Content	IS 6441(Part 1)-1972 (RA 2017)	0.2 % to 20 %
		Compressive Strength	IS 6441(Part 5)-1972 (RA 2017)	10 kN to 1000 kN
5.	Fine Aggregate	Sieve Analysis	IS 2386-(Part 1) 1963 (RA 2016)	150 micron to 10 mm
		Specific Gravity	IS 2386-(Part 3) 1963 (RA 2016)	1 to 4
		Water Absorption	IS 2386-(Part 3) 1963 (RA 2016)	0.2 % to 5 %
		Bulk Density	IS 2386-(Part 3) 1963 (RA 2016)	1 kg/l to 3 kg/l
		Loose Density		1 kg/l to 3 kg/l
	Dry Rodded Density		1 kg/l to 3 kg/l	
	Bulking	IS 2386-(Part 3) 1963 (RA 2016)	1 % to 30 %	

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		Moisture Content	IS 2386-(Part 3) 1963 (RA 2016)	0.2 % to 20 %
6.	Coarse Aggregate	Sieve Analysis	IS 2386-(Part 1) 1963 (RA 2016)	4.75 mm to 80 mm
		Specific Gravity	IS 2386-(Part 3) 1963 (RA 2016)	2 to 3.5
		Water Absorption	IS 2386-(Part 3) 1963 (RA 2016)	Upto 5 %
		Bulk Density	IS 2386-(Part 3) 1963 (RA 2016)	
		Loose Density		1 kg/l to 3 kg/l
		Dry Rodded Density		1 kg/l to 3 kg/l
		Impact Value	IS 2386-(Part 4) 1963 (RA 2016)	5 % to 50 %
		Crushing Value	IS 2386-(Part 4) 1963 (RA 2016)	5 % to 50 %
		Elongation Index	IS 2386-(Part 1) 1963 (RA 2016)	5 % to 50 %
		Flakiness Index	IS 2386-(Part 1) 1963 (RA 2016)	5 % to 50 %