

Laboratory **Das Material Testings Private Limited, New No. 28, Old No. 138,
Velachery Road, Little Mount, Saidapet, Chennai, Tamil Nadu**

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

Certificate Number **TC-7707**

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Validity **16.08.2018 to 15.08.2020**

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)	4.75 mm to 80 mm / 0.01 % to 100 %
		Abrasion Value	IS 2386 (Part 4)	0.5 % to 30 %
		Impact Value	IS 2386 (Part 4)	0.5 % to 30 %
		Crushing Value	IS 2386 (Part 4)	0.5 % to 30 %
		Specific Gravity	IS 2386 (Part 3)	1.0 to 3.0
		Water Absorption	IS 2386 (Part 3)	0.1 % to 2.0 %
		Flakiness Value	IS 2386 (Part 1)	0.5 % to 30.0 %
		Elongation Value	IS 2386 (Part 1)	0.5 % to 30.0 %
2.	Fine Aggregate	Stripping Value	IS 6241	0.5 % to 5.0 %
		Sieve Analysis	IS 2386 (Part 1)	150 µm to 10 mm / 0.01 % to 100 %
		Specific Gravity	IS 2386 (Part 3)	1.0 to 3.0
		Bulkage	IS 2386 (Part 3)	0.5 % to 10.0 %
		Material Finer than 75 µm	IS 2386 (Part 2)	0.1 % to 25.0 %
		Moisture Content	IS 2386 (Part 3)	0.5 % to 10.0 %
		Bulk Density	IS 2386 (Part 3)	1.0 g/cc to 3.0 g/cc
3.	Cement	Fineness by dry Sieving	IS 4031 (Part 2)	90.0 % to 100 %
		Consistency	IS 4031 (Part 4)	28.0 % to 38.0 %
		Initial setting time	IS 4031 (Part 5)	5 minute to 30 minute
		Final setting time	IS 4031 (Part 5)	30 minute to 600 minute
		Soundness	IS 4031 (Part 3)	0.1 mm to 10 mm
		Compressive strength	IS 4031 (Part 6)	10 MPa to 70 MPa
4.	Concrete Cube	Compressive Strength	IS 516	1.0 N/mm ² to 55.0 N/mm ²
5.	Brick	Compression	IS 3495	1.0 N/mm ² to 40.0 N/mm ²
		Water absorption	IS 3495	0.1 % to 12.0 %
		Efflorescence	IS 3495	Qualitative
6.	Wood	Moisture Content	IS 11215	1.0 % to 25.0 %

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7.	Bitumen	Softening Point	IS 1205	30 °C to 65 °C
		Ductility	IS 1208	20 cm to 100 cm
8.	Tiles	Flexural Strength	IS 2690 (Part 1)	1.0 N/mm ² to 25.0 N/mm ²
		Water Absorption	IS 2690 (Part 1)	0.1 % to 20.0 %
II.	SOIL AND ROCK			
1.	Rock	Point Load Test	IS 8764	1.0 N/mm ² to 100.0 N/mm ²
		Water Content	IS 13030	0.1 % to 20.0 %
2.	Soil Testing	Specific Gravity	IS 2720 (Part 3)	75 µm to 4.75 mm / 1.0 to 3.0
		Grain Size Analysis	IS 2720 (Part 4)	0.01 % to 100 %
		Liquid Limit, Plastic Limit	IS 2720 (Part 5)	0.5 % to 30.0 %
		Field Density by Core cutter Method	IS 2720 (Part 29)	1.620 g/cc to 3.50 g/cc
III.	MECHANICAL PROPERTIES OF METALS			
1.	Steel for Concrete Reinforcement	Tensile Test:	IS 1786	
		Tensile Strength	IS 1608	50 N/mm ² to 800 N/mm ²
		Yield Strength		50 N/mm ² to 100 N/mm ²
		% Elongation		1 % to 40 %
		Bend Test	IS 1786 IS 1599	Qualitative (Mandrel Diameter: 6 mm and 12 mm)
		Rebend Test	IS 1786	Qualitative (Mandrel Diameter: 6 mm and 12 mm)
		Mass per metre	IS 1786	0.1 kg/m to 12 kg/m