

Laboratory **RBI-Technical Services, 2243, 4th 'A' Cross, Hampinagar, Vijaynagar,  
2nd Stage, Bangalore, Karnataka**

Accreditation Standard **ISO/IEC 17025: 2017**

Certificate Number **TC-6028**

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Validity **08.09.2019 to 21.06.2020**

Last Amended on --

S. No.	Materials or Products tested	Component, parameter or characteristic tested/ Specific Test Performed/ Tests or type of tests performed	Test Method Specification against which tests are performed and/or the techniques/ equipment used
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**MECHANICAL TESTING**

I.	BUILDING MATERIALS		
1.	Aggregate - Coarse	Sieve Analysis	IS 2386 (Part 1): 1963 (RA 2016) Cl. 2.0
		Flakiness Index	IS 2386 (Part 1): 1963 (RA 2016) Cl. 4.0
		Elongation Index	IS 2386 (Part 1): 1963 (RA 2016) Cl. 5.0
		Specific Gravity	IS 2386 (Part 3): 1963 (RA 2016) Cl. 2.0
		Water Absorption	IS 2386 (Part 3): 1963 (RA 2016) Cl. 2.0
		Bulk Density (Loose & Rodded)	IS 2386 (Part 3): 1963 (RA 2016) Cl. 3.0
		Crushing Value	IS 2386 (Part 4): 1963 (RA 2016) Cl. 2.0
		10 percent Fines Value	IS 2386 (Part 4): 1963 (RA 2016) Cl. 3.0
		Impact Value	IS 2386 (Part 4): 1963 (RA 2016) Cl. 4.0
2.	Aggregate - Fine	Sieve Analysis	IS 2386 (Part 1): 1963 (RA 2016) Cl. 2.0
		Material Finer than 75 µm	IS 2386 (Part 1): 1963 (RA 2016) Cl. 3.0
		Specific Gravity	IS 2386 (Part 3): 1963 (RA 2016) Cl. 2.0
		Water Absorption	IS 2386 (Part 3): 1963 (RA 2016) Cl. 2.0
		Bulk Density (Loose & Rodded)	IS 2386 (Part 3): 1963 (RA 2016) Cl. 3.0

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3.	Paving Bitumen	Penetration	IS 1203:1978 (RA 2013)
		Softening Point	IS 1205:1978 (RA 2014)
		Ductility	IS 1208:1978 (RA 2014)
4.	Masonry Units - Hollow/ Solid Concrete Blocks	Dimensions	IS 2185 (Part 1): 2005 (RA 2015)
		Block Density	IS 2185 (Part 1) 2005 (RA 2015) Annex C
		Compressive Strength	IS 2185 (Part 1) 2005 (RA 2015) Annex D
		Water absorption	IS 2185 (Part 1) 2005 (RA 2015) Annex E
5.	Building Bricks	Compressive Strength	IS 3495 (Part 1): 1992 (RA 2016)
		Water Absorption	IS 3495 (Part 2): 1992 (RA 2016)
		Efflorescence	IS 3495 (Part 3): 1992 (RA 2016)
		Dimensions	IS 1077:1992 (RA 2016)
6.	Hardened Concrete	Compressive Strength - Cubes	IS 516:1959 (RA 2013)
7.	Hydraulic Cement	Fineness by Dry Sieving	IS 4031 (Part 1): 1996 (RA 2016)
		Standard Consistency	IS 4031(Part 4): 1988 (RA 2019)
		Initial setting time	IS 4031 (Part 5): 1988 (RA 2019)
		Final setting time	IS 4031 (Part 5): 1988 (RA 2019)
		Compressive Strength	IS 4031 (Part 6): 1988 (RA 2019)
II.	SOIL & ROCK		
1.	Soil	Grain Size Analysis – Wet & Dry	IS 2720 (Part 4): 1985 (RA 2015) Clause 4.0
		Liquid Limit	IS 2720 (Part 5): 1985 (RA 2015) Clause 3.0
		Plastic Limit	IS 2720 (Part 5): 1985 (RA 2015)
		Light Compaction	IS 2720 (Part 7): 1980 (RA 2016)
		Heavy Compaction	IS 2720 (Part 8): 1983 (RA 2015)
		California Bearing Ratio	IS 2720 (Part 16): 1987 (RA 2016)
		Free Swell Index	IS 2720 (Part 40): 1977 (RA 2016)