

Laboratory Jain Consultants, 800/3, Kailash Vihar, City Centre, Gwalior,
Madhya Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6348

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Validity 27.09.2017 to 26.09.2019

Last Amended on 19.11.2018

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.	Concrete	Compressive Strength	IS 516:1959(RA 2013)	1 N/mm ² to 75 N/mm ²
2.	Coarse Aggregate	Sieve Analysis	IS 2386 (Part 1):1963 (RA 2011)	0.1 % to 99.9 % (4.75 mm to 125 mm)
		Water absorption	IS 2386 (Part 3):1963 (RA 2011)	0.1% to 10 %
		Flakiness Index	IS 2386 (Part 1):1963 (RA 2011)	2 % to 50 %
		Elongation Index	IS 2386 (Part 1):1963 (RA 2011)	2 % to 50 %
		Crushing Value	IS 2386 (Part 4):1963 (RA 2011)	2 % to 50 %
		Impact Value	IS 2386 (Part 4):1963 (RA 2011)	2 % to 50 %
		Specific Gravity	IS 2386 (Part 3):1963 (RA 2011)	1.0 to 4.0
		Bulk Density	IS 2386 (Part 3):1963 (RA 2011)	1.2 g/cc to 3.5 g/cc
3.	Fine Aggregate	Sieve Analysis	IS 2386 (Part 1):1963 (RA 2011)	0.1 % to 99.9 % (0.075 mm to 4.75 mm)
		Water absorption	IS 2386 (Part 3):1963 (RA 2011)	0.1 % to 5%
		Specific Gravity	IS 2386 (Part 3):1963 (RA 2011)	2.5 to 3.5
4.	Brick	Compressive Strength	IS 3495 (Part 1):1992 (RA 2011)	2.0 N/mm ² to 15 N/mm ²

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II.	SOIL & ROCK			
1.	Soil	Moisture Content	IS 2720 (Part 2):1973 (RA 2010)	1 % to 30 %
		Liquid Limit	IS 2720 (Part 5):1985 (RA 2010)	20 % to 80 %
		Plastic Limit	IS 2720 (Part 5): 1985 (RA 2010)	15 % to 60 %
		Grain Size Analysis	IS 2720 (Part 4):1985 (RA 2010)	0.1 % to 99.9 % (4.75 mm to 75 micron)
		Light Compaction MDD OMC	IS 2720 (Part 7):1980 (RA 2011)	1.40 g/cc to 1.95 g/cc 10 % to 25 %
		Heavy Compaction MDD OMC	IS 2720 (Part 8):1983 (RA 2010)	1.40 g/cc to 2.3 g/cc 5 % to 30 %
		CBR	IS 2720 (Part 16):1987 (RA 2011)	0.5 % to 30 %

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