

Laboratory Associated Testing Laboratories India Pvt. Ltd., 3/6, UPSIDC, Site-II, Ajanta Compound, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 31.10.2014

Certificate Number T-3178 **Valid Until** 30.10.2016

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. MECHANICAL PROPERTIES OF MATERIALS				
1.	Steel -Mild Steel -Low Alloy Steel	Mass per meter	IS 1786 : 2008 (RA 2013)	0.05 kg/m to 8 kg/m
		Tensile Strength	IS 1608 : 2005 (RA 2010)	100 N/mm ² to 800 N/mm ²
		Elongation	IS 1608 : 2005 (RA 2010)	10 % to 30 %
		Yield Stress 0.2% Proof Stress	IS 1608 : 2005 (RA 2010)	75 N/mm ² to 800 N/mm ²
		Bend Test	IS 1599 : 2012	Visual (Dia. of rebar: 8, 10, 12, 16, 20, 25, 28, 32 mm)
		Re bend Test	IS 1786 : 2008 (RA 2013)	Visual (Dia. of rebar: 8, 10, 12, 16, 20, 25, 28, 32 mm)
II. BUILDING MATERIALS				
1.	Cement OPC PPC	Consistency	IS 4031 (Part 4): 1988 (RA 2005)	20 % to 45 %
		Setting time Initial, Final	IS 4031 (Part 5): 1988 (RA 2009)	20 Minutes to 600 Minutes
		Compressive Strength	IS 4031 (Part 6): 1988 (RA 2009)	2.5 N/mm ² to 65 N/mm ²

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	Cement OPC PPC	Soundness (Le - Chatelier)	IS 4031 (Part 3): 1988 (RA 2009)	0.5 mm to 10 mm
		Soundness (Autoclave)	IS 4031 (Part 3): 1988 (RA 2009)	0.02 % to 0.8 %
		Fineness Blaine's Method	IS 4031 (Part 2): 1999 (RA 2004) IS 1727 : 1967 (RA 2004)	100 m ² /kg to 600 m ² /kg

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