

Laboratory	Jyoti Test House, B-1/111, Sector-11, Faridabad, Haryana		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	14.10.2013
Certificate Number	T-1894	Valid Until	13.10.2015
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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. METAL & ALLOYS				
1.	PLAIN CARBON & LOW ALLOY STEELS	C	IS: 228 (Part-1) 1987 (Reaffirmed - 2002)	0.008% to 0.165%
		Mn	IS: 228 (Part-2) 1987 (Reaffirmed - 2002)	0.1% to 2.0%
		Si	IS: 228 (Part-8) 1990 (Reaffirmed - 2001)	0.02% to 5%
		S	IS: 228 (Part-9) 1989 (Reaffirmed - 2004)	0.01% to 0.25%
		P	IS: 228 (Part-9) 1989 (Reaffirmed - 2002)	0.01% to 0.25%
		Cr	IS: 228 (Part-6) 1987 (Reaffirmed - 2002)	0.1% to 35%
		Ni	IS: 228 (Part-5) 1987 (Reaffirmed - 2002)	0.1% to 30%
		Mo	IS: 228 (Part-7) 1990 Reaffirmed - 2001)	0.002% to 10%
2.	METALS	Corrosion Test	IS: 9844 – 1981 (Reaffirmed - 2006)	Qualitative

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II. BUILDING MATERIALS				
1.	CEMENT	Loss of Ignition	IS: 4032 – 1985 (Reaffirmed - 2005)	0.5% to 10%
		Insoluble Residue	IS: 4032 – 1985 (Reaffirmed - 2005)	0.5% to 35%
		Alumina	IS: 4032 – 1985 (Reaffirmed - 2005)	1.0% to 7.0%
		Iron Oxide	IS: 4032 – 1985 (Reaffirmed - 2005)	0.5% to 5.0%
		Calcium Oxide	IS: 4032 – 1985 (Reaffirmed - 2005)	20% to 70%
		Magnesium Oxide	IS: 4032 – 1985 (Reaffirmed - 2005)	0.5% to 2.0%
		Sulphuric Anhydride	IS: 4032 – 1985 (Reaffirmed - 2005)	0.5% to 5.0%
		Chloride	IS: 4032 – 1985 (Reaffirmed - 2005)	0.002% to 0.5%
		Silica	IS: 4032 – 1985 (Reaffirmed - 2005)	15.0% to 35.0%
2.	SOIL	Suspended Matter	IS: 3025 (Part-18) 1984 (Reaffirmed-2006)	1 mg/l to 2000 mg/l
		pH Value	IS: 2720 (Part 26) 1987 Reaffirmed 2007	3.5 to 12.5

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III. WATER				
1.	WATER FOR CONSTRUCTION	Acidity	IS: 3025 (Part-22) 1986 (Reaffirmed-2003)	0.1 ml to 5.0 ml
		Alkalinity	IS: 3025 (Part-23) 1986 (Reaffirmed-2003)	0.1 ml to 50 ml
		Chlorides	IS: 3025 (Part-32) 1988 (Reaffirmed-2003) Argentometric Method	5 mg/l to 2000 mg/l
		pH	IS: 3025 (Part-11) 1983 (Reaffirmed-2003) Electromatically	3.5 to 12.5
		Total Dissolved Solids	IS: 3025 (Part-23) 1986 (Reaffirmed-2003)	25 mg/l to 10000 mg/l
		Sulphate	IS: 3025 (Part-24) 1986 (Reaffirmed-2003) Gravimetric Turbidity	1 mg/l to 1000 mg/l
		Organic Solids	IS: 3025 (Part-18) 1984 (Reaffirmed-2006)	200 mg/l to 2000 mg/l
		In-Organic Solids	IS: 3025 (Part-18) 1984 (Reaffirmed-2006)	200 mg/l to 3000 mg/l

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