Laboratory Indicative Consultant India, Basudevpur, P.O. Khanjhanchak, Haldia,

Purba Medinipur, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing Issue Date 26.06.2015

Certificate Number T-1836 Valid Until 25.06.2017

Last Amended on - Page 1 of 2

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.	Bar, Flat, Plate, Angle, Channel, Beam, Square, Welded pipe, Tube & Plate, H.S.D Steel Bars,	Tensile test: Ultimate Tensile Strength, Yeild Stress % of Elongation % of Reduction area	IS 1608: 2005 ASTM A370: 2001	Upto 540 kN Scale			
	Wire etc. of Ferrous & Non-ferrous	Bend	IS 1599: 1985 (RA 2010) ASTM A 370: 2001	Mandrel diameter Upto 224 mm			
	materials.	Rebend	IS 1786: 2008	Mandrel diameter Upto 224 mm			
		Root & Face Bend	ASME - 9: 2010 (QW-466.2)	Mandrel diameter Upto 224 mm			
		Shear Test	IS 5242: 1969 (RA 1991)	Upto 540 kN			
		Flattening	IS 2328: 1983 (RA 1991)	Upto 600 mm Outside diameter			
		Hot Compression Test	IS 1149: 1973	Upto 540 kN			
		Dump Test	IS 1148: 1982	Upto 540 kN			
		Rockwell Hardness Test B Scale C Scale	IS 1586: 2000 (RA 2010) ASTM A 370: 2014	HRB: 20 to 100 HRC: 20 to 70			
		Charpy Impact test at (-50°C) to Room Temp.	IS 1757: 1988 (RA 2009)	2 J to 300 J			

Laboratory	Indicative Consultant India, Basudevpur, P.O. Khanjhanchak, Haldia,
	Durka Madininus Wast Dangel

Purba Medinipur, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing Issue Date 26.06.2015

Certificate Number T-1836 Valid Until 25.06.2017

Last Amended on - Page 2 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection			
П.	BUILDINGS MATERIALS						
1.	Bricks, Building Bricks	Compressive Strength	IS 3495 (Part 1): 2007	Upto 1000 kN			
	Dunuing Dricks	Water absorption	IS 3495 (Part 2): 2007	NA			
		Efflorescence	IS 3495 (Part 3): 2007	NA			
2.	Cured Cement Concrete Cube	Compressive Strength	IS 516: 1959 (RA 2008)	to 1000 kN			