Laboratory		Controllerate of Quality Assurance (Engineering Equipment), Aundh Camp, Pune, Maharashtra				
Accreditation Standard		ISO/IEC 17025: 2005				
Certificate Number		TC-7810	Page 1 of 1	Page 1 of 1		
Validity		30.08.2018 to 29.08.20	20 Last Ameno	Last Amended on		
SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection		

## MECHANICAL TESTING

I.	MECHANICAL PRO			
1.	Metallic Materials	Hardness Test Rockwell	IS 1586 (Part 1)-2012	20 HRB to 100 HRB(W) 20 HRC to 70 HRC
2.	Steel wire Rope	Construction	IS 6594-2001, CI 6.2	Qualitative
		Lay Length	IS 6594-2001,Cl 6.7.2	40 mm to 300 mm
		Direction of Lay	IS 6594-2001,Cl 6.7.1	Qualitative
		Rope	IS 6594-2001,(Annex A)	Diameter:
				8 mm to 38 mm
				Ovality: 1 % to 30 %
		Breaking Load Test of	IS 6594-2001	10 kN to 1000 kN
		Wire Rope	(Annex B)	
3.	Individual Wire of	Tensile Strength	IS 1835-1976	250 MPa to 2500 MPa
	steel Wire rope.		IS 1608-2005	(wire dia :
				0.2 mm to 3.0 mm)
		Torsion test	IS 1835-1976	Qualitative
			IS 1717-2012	(wire dia
				0.2 mm to 5mm)
		Reverse bend test	IS 1835-1976	Qualitative
			IS 1716-1985	(wire dia 0.2 to 3.0 mm)
		Wrapping test	IS 1835-1976	Qualitative
			IS 1755-1983	
4.	Steel Chain	Breaking Load	IS 1834-1999	10 kN to 1000 kN