

Laboratory Mosdorfer India Pvt. Ltd., Quality and Testing Laboratory, Gat No. 196/1 & 2, Gonde Dumala, Gonde MIDC Taluka, Jagatpuri, Dist.- Nashik, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-8016

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Validity 23.10.2018 to 22.10.2020

Last Amended on --

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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**CHEMICAL TESTING**

I.	METALS & ALLOYS			
A.	<b>Fe Base Low Alloy &amp; Medium Alloy Steel</b>	C	IS 8811:1998, RA 2018	0.10 % to 0.55 %
		Si		0.10 % to 0.80 %
		Mn		0.40% to 2.00 %
		P		0.01% to 0.055 %
		S		0.01% to 0.075 %
B.	<b>Al. Base Aluminium Alloy</b>	Si	ASTM E 1251-17a	0.10 %to 14.50 %
		Fe		0.20 %to 0.55 %
		Cu		0.02 %to 0.55 %
		Mn		0.15 %to 1.00 %
		Cr		0.01% to 0.10 %
		Ni		0.01% to 0.10 %
		Zn		0.02% to 0.30 %
		Ti		0.01% to 0.08 %
		Pb		0.01 %to 0.25 %
		Sn		0.02 % to 0.12 %
	Mg	0.01 % to 1.25 %		

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<b><u>ELECTRICAL TESTING</u></b>				
<b>I.</b>	<b>INSULATING MATERIALS &amp; INSULATORS</b>			
<b>I.</b>	<b>Insulator Hardware Fittings &amp; Accessories for Overhead Transmission Line above &gt;1000V and Electricals Power Connector</b>	Dimensional Verification	IS 2486 (Part 1): 1993 (RA-2018) IS 2121(Part 1) : 1981 (RA-2018) IS 2121(Part 2) : 1981 (RA-2018) IS 2121(Part 3) : 1992 (RA-2018) IS 2121(Part 4) : 1991 (RA-2018) IS 9708 : 1993 (RA-2009) IS 10162 : 1982 (RA-2018) IS 5561 : 2018 IEC 61284 : 1997 IEC 61897 : 1998 IEC 61854 : 1998 BS-3288-1 : 2014	2 mm to 300 mm (L.C. – 0.01mm) 100 to 5000 mm (L.C. – 1mm)
		Slip Strength Test/ Failing Load test on Conductor & Ground wire Accessories/ Clamps/ Joints	IS 9708 : 1993 (RA-2009) IS 10162 : 1982 (RA-2018) IS 2486 (Part 1):1993 (RA-2018) IEC 61854 : 1998 IEC 61897 : 1998 BS-3288-1 : 2014 IS 2121(Part 1) : 1981 (RA-2018) IS 2121(Part 2) : 1981 (RA-2018) IS 2121(Part 3) : 1992	2 kN to 49 kN (L.C. – 0.01 kN) 2 kN to 1000 kN (L.C. – 0.05kN) 5 Nm to 200 Nm (L.C. – 2 Nm)

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			(RA-2018) IS 2121(Part 4) : 1991 (RA-2018) IEC 61284 : 1997 (excluding Cl. 11.4.4)	
		Tensile Test	IS 1608 : 2005 (RA-2017)	2 kN to 1000 kN (L.C. – 0.05 kN)
		Mechanical Strength Test / Tensile Strength Test on String Components & Mass Pull Off Test	IS 2486 (Part 1): 1993 (RA-2018) - [Cl. No.: 11.2, 11.3] IS 2121(Part 1) : 1981 (RA-2018) - [Cl. No.: 7.4] IS 2121(Part 4) : 1991 (RA-2018) – [Cl. No.: 6.4, 6.5] IS 2121(Part 3) : 1992 (RA-2018) – [Cl. No.: 5.5] IS 9708 : 1993 (RA-2009) – [Cl. No.: 7.6] IEC 61284 : 1997 – [Cl. No.: 11.3, 11.4.1 (Method-B), 11.5.2, 11.5.3] IEC 61897 : 1998 – [Cl. No.: 7.8, 7.9] BS-3288-1 : 2014 - [Cl. No.: 5.2, 6.2, 6.4, 7.2.1, 7.5, 8.2, 9.2.1, 10.2, 11.2.5]	2 kN to 1000 kN Hardware String (L.C. – 0.05 kN)
				2 kN to 1000 kN Component (L.C. – 0.05 kN)
		Bend Test on Helical Fittings	IS 2121(Part 1) : 1981 (RA-2018)	Qualitative Visual
		Resilient Test on Helical Fittings	IS 2121(Part 1) : 1981 (RA-2018)	Qualitative Visual

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		Compression and Tension Test on Spacers	IEC 61854 : 1998 IS 10162 : 1982 (RA-2018)	2 kN to 1000 kN (L.C. – 0.05 kN)
		Verification of Resistance to Bending & Operation Test on Locking Devices	IS 2486 (Part 4): 1981 (RA-2016) [Cl. No.: 3.3.1 & 3.5.1]	1 to 1000 N
		Torque Test	IS 9708 : 1993 (RA-2009) IS 10162 : 1982 (RA-2018) IEC 61897 : 1998 IEC 61854 : 1998 BS-3288-1 : 2014	5 Nm to 200 Nm (L.C. – 2 Nm) Clamps & Connectors