

Laboratory	Material Testing Laboratory (Electrical), Wind World (India) Limited, Sr. No. 4/1, 2, 5/1, 2, 3, 4, 5 & 6, Nani Daman		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Electrical Testing	Issue Date	06.05.2015
Certificate Number	T-2502	Valid Until	05.05.2017
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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. ELECTRICAL MATERIALS - CONDUCTORS				
1.	Enamel Cu Round Wire	Peel Test	IEC 60851-3-2009 IEC 60317-13-2008	60 RPM to 100 RPM
		Abrasion Tester	IEC 60851-3-2009 IEC 60317-13-2008	29.5 N
		Cut Through	IEC 60851-6-1996 IEC 60317-13-2008	2.5 V to 125 V, Upto 350°C, Upto 70 N
		Springiness	IEC 60851-3-2009 IEC 60317-13-2008	0.5° to 30°
		Break Down Voltage	IEC 60851-5-2008 IEC 60317-13-2008	0.5 kV to 15 kV
		Resistance	IEC 60851-5-2008 IEC 60317-13-2008	0.1 Ω to 2000 Ω
		Elongation	IEC 60851-3-2009 IEC 60317-13-2008	1% to 60 %
		Dimension	IEC 60851-2-2009 IEC 60317-13-2008	0.1 mm to 25 mm
2.	Enamel Cu Strip	Springiness	IEC 60851-3-2009 IEC 60317-29-2008	0.5° to 30°
		Break Down Voltage	IEC 60851-5-2008 IEC 60317-29-2008	0.5 kV to 15 kV
		Resistance	IEC 60851-5-2008 IEC 60317-29-2008	0.1 μΩ to 2000 Ω

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	Enamel Cu Strip	Dimension	IEC 60851-2-2009 IEC 60317-29-2008	0.1 mm to 25 mm
		Flexibility Test	IEC 60851-3-2009 IEC 60317-29-2008	10 mm to 35 mm
3.	Electrical Steel (Lamination)	Core Losses	ASTM-343-97 IS 649-1997	Upto 30 W/kg
II. ROTATING ELECTRICAL MACHINES				
1.	DC Motor	Insulation Resistance	IS 9320-1979	Upto 900 MΩ at 500 V
		Winding Resistance	IEC 60034-2-1, 2007-09 IS 9320-1979	0.1 μΩ to 2000 Ω
		No Load Test (No Load Current Only)	IEC 60034-2-1, 2007-09	Upto 40 A DC
		Partial Load	IEC 60034-2-1, 2007-09	Upto 40 A DC
		Full load Test	IEC 60034-2-1, 2007-09	Upto 40 A DC
		Compound Test	IEC 60034-2-1, 2007-09	Upto 30 A DC
		Over Load Test	IEC 60034-2-1, 2007-09	101% to 205 %
		Brake Torque	MTL/EIL/QAI-E-TP-19	10 N to 100 N
2.	AC Motor	Insulation Resistance	IS 4029-2010	Upto 999 MΩ at 500V
		Winding Resistance	IEC 60034-2-1, 2007-09	0.1 μΩ to 2000 Ω
		No Load Test (No Load Current Only)	IEC 60034-2-1, 2007-09	Upto 15 AC

