

<b>Laboratory</b>	<b>Energypac Testing Laboratory, Baruipara, Ashulia, Savar, Dhaka, Bangladesh</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Electrical Testing</b>	<b>Issue Date</b>	<b>19.10.2014</b>
<b>Certificate Number</b>	<b>T-3143</b>	<b>Valid Until</b>	<b>18.10.2016</b>
<b>Last Amended on</b>	<b>-</b>	<b>Page</b>	<b>1 of 1</b>

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>I. TRANSFORMERS AND REACTORS</b>				
<b>1.</b>	<b>Power Transformer Up to 132 kVA, 75 MVA  Dry Type Transformer Up to 11 kV, 3.15 MVA</b>	Winding Resistance	IEC 60076-1:2011	0.1 $\mu\Omega$ to 2 k $\Omega$
		Voltage Ratio	IEC 60076-1:2011	0.8 to 15000
		Check of Phase Displacement	IEC 60076-1:2011	All Phase Displacements
		No Load Loss and Current	IEC 60076-1:2011	Upto 300 A Upto 33 kV Up to 999 kW
		Short Circuit Impedance and Load Loss	IEC 60076-1:2011	Upto 300 A Upto 33 kV Upto 999 kW
		Separate Source AC Withstand Voltage Test	IEC 60076-3:2013	Upto 500 kV 1000 mA
		Induced AC Voltage Withstand Voltage Test	IEC 60076-3:2013	Upto 275 kV
		Lightning Impulse Test	IEC 60076-4:2002	Upto 1600 kV
<b>2.</b>	<b>Dry Type Transformer</b>	Temperature Rise Test	IEC 60076-2:2011 IEC 60076-11:2011	Upto 200 $^{\circ}\text{C}$
		Partial Discharge	IEC 60270:2001	Upto 100 nC
<b>II. ELECTRICAL MATERIALS- LIQUID DIELECTRIC MATERIALS</b>				
<b>1.</b>	<b>Transformer Oil</b>	Breakdown Voltage at Power Frequency	IEC 60156:1995	Upto 80 kV

-X-X-X-X-X-X-X-X-X-X-X-X-