

<b>Laboratory</b>	<b>Protection &amp; Metering Laboratory, Adani Power Limited, Mundra Thermal Power Project, Adani Power SEZ, Village: Tunda &amp; Siracha, Taluka: Mundra, District: Kutch, Gujarat</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Electrical Testing</b>	<b>Issue Date</b>	<b>05.08.2015</b>
<b>Certificate Number</b>	<b>T-2626</b>	<b>Valid Until</b>	<b>04.08.2017</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>At Laboratory</b>				
<b>I. ELECTRICAL INDICATING AND RECORDING INSTRUMENTS</b>				
<b>1.</b>	<b>Electronic Static Energy Meter (Accuracy Class 0.2s &amp; 0.5s)</b>	Limits of Error	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	40 V to 300 V (P-N) 10 mA to 12 A 45 Hz to 55 Hz +0.25 to UPF to -0.25
		Starting Condition	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	40 V to 300 V (P-N) 1 mA to 12 A 45 Hz to 55 Hz +0.25 to UPF to -0.25
		No Load Condition	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	40 V to 300 V (P-N), 45 Hz to 55 Hz
		Repeatability of Error	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	40 V to 300 V (P-N), 10 mA to 12A, 45 Hz to 55 Hz, P.F.: +0.25 to UPF to -0.25
		AC High Voltage Test	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	Upto 5 kV
		Insulation Resistance	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	Insulation Resistance: 5 MΩ & 50 MΩ, Test Voltage: 500+/-50 V DC

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**Discipline** Electrical Testing **Issue Date** 05.08.2015

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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
	Electronic Static Energy Meter (Accuracy Class 0.2s & 0.5s)	Power Consumption	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	0.01 W to 3.6 kW, 0.01 VA to 3.6 kVA, (0.01 V to 300 V, 1 mA to 12 A, 45 Hz to 55 Hz & P.F.: +0.25 to UPF to -0.25)
		Meter Constant	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	40 to 300 V (P-N), 10 mA to 12 A, 45 Hz to 55 Hz, P.F.: +0.25 to UPF to -0.25

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<b>Discipline</b>	<b>Electrical Testing</b>	<b>Issue Date</b>	<b>05.08.2015</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>At Site</b>				
<b>I. ELECTRICAL INDICATING AND RECORDING INSTRUMENTS</b>				
<b>1.</b>	<b>Electronic Static Energy Meter (Accuracy Class 0.2s &amp; 0.5s)</b>	Limits of Error	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	40 V to 300 V (P-N), 10 mA to 12 A, 45 Hz to 55 Hz, P.F.: +0.25 to UPF to -0.25
		Starting Condition	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	40 V to 300 V (P-N), 1 mA to 12 A, 45 Hz to 55 Hz, P.F.: +0.25 to UPF to -0.25
		No Load Condition	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	40 V to 300 V (P-N), 45 Hz to 55 Hz
		Repeatability of Error	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	40 V to 300 V (P-N), 10 mA to 12 A, 45 Hz to 55 Hz, P.F.: +0.25 to UPF to -0.25
		Power Consumption	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	0.01 W to 3.6 kW, 0.01 VA to 3.6 kVA, (0.01 V to 300 V, 1 mA to 12A, 45 Hz to 55 Hz & P.F.: +0.25 to UPF to -0.25)

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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
	Electronic Static Energy Meter (Accuracy Class 0.2s & 0.5s)	Meter Constant	IS 14697: 1999 (RA 2004) IEC 62052 (Part 11): 2003 IEC 62053 (Part 22): 2003 IEC 62053 (Part 23): 2003	40 V to 300 V (P-N), 10 mA to 12 A, 45 Hz to 55 Hz, P.F.: +0.25 to UPF to -0.25

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