

Laboratory	NPCL Meter Testing Laboratory, 33/11kV Substation, Sector-37, Greater Noida, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Electrical Testing	Issue Date	13.01.2015
Certificate Number	T-2307	Valid Until	12.01.2017
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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
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I. ELECTRICAL AND ELECTRONIC (STATIC) ENERGY METERS

1.	AC Static Watthour Meter, Class 1 and 2	Insulation Resistance	IS 13779:1999 (RA 2004) IS 14697: 1999 (RA 2004)	500 V 0 to 1000 MΩ
	AC Static Transformer Operated Watthour and Var-Hour Meter, Class 0.2S and 0.5S	AC High Voltage	IS 13779: 1999 (RA 2004) IS 14697: 1999 (RA 2004)	Upto 5 kV
		Limits of Error	IS 13779: 1999 (RA 2004) IS 14697: 1999 (RA 2004)	0 to 300 V (P-N) 1 mA to 120 A 49 Hz to 51 Hz P.F.: - 1 to +1
		Starting Condition	IS 13779: 1999 (RA 2004) IS 14697: 1999 (RA 2004)	0 to 300 V (P-N) 1 mA to 120 A 49 Hz to 51 Hz P.F.: - 1 to +1
		No Load Condition	IS 13779: 1999 (RA 2004) IS 14697: 1999 (RA 2004)	0 to 300 V (P-N) 1 mA to 120 A 49 Hz to 51 Hz P.F.: - 1 to +1
		Repeatability of Error	IS 13779: 1999 (RA 2004) IS 14697: 1999 (RA 2004)	0 to 300 V (P-N) 1 mA to 120 A 49 Hz to 51 Hz P.F.: - 1 to +1

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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
	AC Static Watthour Meter, Class 1 and 2	Power Consumption	IS 13779: 1999 (RA 2004) IS 14697: 1999 (RA 2004)	0 to 300 V (P-N) 1 mA to 120 A 49 Hz to 51 Hz P.F.: - 1 to +1
	AC Static Transformer Operated Watthour and Var-Hour Meter, Class 0.2S and 0.5S	Meter Constant	IS 13779: 1999 (RA 2004) IS 14697: 1999 (RA 2004)	0 to 300 V (P-N) 1 mA to 120 A 49 Hz to 51 Hz P.F.: - 1 to +1

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