

<b>Laboratory</b>	<b>Testing and Quality Assurance Laboratory, MSEDCL, Testing Division (U), Prakash Bhavan, Link Road, Sadar, Nagpur, Maharashtra</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Electrical Testing</b>	<b>Issue Date</b>	<b>15.02.2016</b>
<b>Certificate Number</b>	<b>T-2093</b>	<b>Valid Until</b>	<b>14.02.2018</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>
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**I. ELECTRICAL INDICATING & RECORDING INSTRUMENTS**

<b>1. AC static Watthour Meters Class 1 &amp; 2</b>	1. Limits of errors due to variation of current	IS 13779 - 99 (RA 2004) Cl. 11.1	Voltage: Up to 320V AC Current: Up to 90 A
	2. Limits of error due to influence quantities (Voltage, frequency, phase sequence, wave form)	IS 13779 - 99 (RA 2004) Cl. 11.2	Energy: Upto 64.8 kwh Frequency: 45 Hz to 65 Hz
	3. Starting condition	IS 13779 - 99 (RA 2004) Cl. 12.14	
	4. No Load condition	IS 13779 - 99 (RA 2004) Cl. 12.13	
	5. Meter Constant / Registration	IS 13779 - 99 (RA 2004) Cl. 12.15	
	6. Repeatability of Error Test	IS 13779 - 99 (RA 2004) Cl. 12.17	
	7. Power Consumption Test for Voltage Ckt. & Current Ckt.	IS 13779 - 99 (RA 2004) Cl. 12.7.1	

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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
2.	AC Static Transformer Operated Watthour and Var-Hour Meter of Class 0.2 S, 0.5 S, 1.0 S	1. Limits of errors due to variation of current 2. Limits of error due to influence quantities (Voltage, frequency, phase sequence, wave form) 3. Starting condition 4. No Load condition 5. Meter Constant / Registration 6. Repeatability of Error Test 7. Power consumption Test for Voltage Ckt. & Current Ckt.	IS 14697-1999 (RA 2014) Cl : 11.1 IS 14697-1999 (RA 2014) Cl : 11.2 IS 14697-1999 (RA 2014) Cl : 12.13 IS 14697-1999 (RA 2014) Cl :12.12 IS 14697-1999 (RA 2014) Cl : 12.14 IS 14697-1999 (RA 2014) Cl : 12.16 IS 14697-1999 (RA 2014) Cl: 12.7.1	Voltage: Up to 320V AC Current: Up to 10 A Energy: Upto 7.2 kWh & above Frequency: 45 Hz to 65 Hz

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**Rajeshwar Kumar**  
Convenor

**N. Venkateswaran**  
Program Manager