

**Laboratory** Reliance Infrastructure Laboratory, Reliance Infrastructure Ltd.,  
2<sup>nd</sup> Floor, Borivali Receiving Bldg., Borivali (E), Mumbai, Maharashtra

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Electrical Testing **Issue Date** 10.09.2014

**Certificate Number** T-1790 **Valid Until** 09.09.2016

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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
<b>I. ELECTRICAL INDICATING &amp; RECORDING INSTRUMENTS</b>				
1.	<b>AC Static Watthour Meters, CI 1 and 2 (Single phase &amp; 3 phase)</b>	Test of No load Conditions	IS13779: 1999 Cl.12.13	Voltage : 30 V to 300 V
		Test of Starting Conditions	IS13779: 1999 Cl.12.14	Current : 1 mA to 100 A
		Test on Limits of Error	IS13779: 1999 Cl.11.1	Frequency : 50 Hz
		Test of Meter Constant	IS13779: 1999 Cl.12.15	Power: 520 V x 100 A
		Test of Repeatability of Error	IS13779: 1999 Cl.11.7	P F: 0.1 lag – UPF – 0.1 lead
		Test of Power consumption	IS13779: 1999 Cl.12.7.1	Energy: 1 VASec to 36 kWh and above.
		Test of Insulation Resistance	IS13779: 1999 Cl.12.7.6.4	0.1 VA to 100 VA and 0.1 W to 100 Watts
		Test for AC High Voltage	IS13779: 1999 Cl.12.7.6.3	Upto 50 MΩ
			Upto 5 kV AC 50 Hz	

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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 Varhour meters Class 0.2S & 0.5S	Test of No load Conditions	IS 14697: 1999 Cl.12.12	Voltage : 30 V to 300 V
		Test of Starting Conditions	IS 14697: 1999 Cl.12.13	Current : 1 mA to 100 A
		Test on Limits of Error	IS 14697: 1999 Cl.11.1	Frequency : 50 Hz
		Test of Meter Constant	IS 14697: 1999 Cl.12.14	Power: 3X300VX100A P F: 0.1 lag – UPF – 0.1 lead
		Test of Repeatability of Error	IS 14697: 1999 Cl.12.16	Energy : 1 VASec to 36 kWh and above
		Test of Power consumption	IS 14697: 1999 Cl.12.7.1	0.1 VA to 100 VA and 0.1 W to 100 Watts
		Test of Insulation Resistance	IS 14697: 1999 Cl.12.7.6.4	Upto 50 MΩ
	Test for AC High Voltage	IS 14697: 1999 Cl.12.7.6.3	Upto 5 kV AC 50 Hz	

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**Dheeraj Chawla**  
Convenor

**N. Venkateswaran**  
Program Manager