

**Laboratory** Meter Testing Laboratory, RRVPL, 132 kV Chambal GSS Premises, Hawa Sarak, Civil Lines, Jaipur, Rajasthan

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

**Discipline** Electro-Technical Calibration **Issue Date** 22.02.2016

**Certificate Number** C-0799 **Valid Until** 21.02.2018

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Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability ( $\pm$ )	Remarks
<b>I. SOURCE</b>			
1. AC ACTIVE ENERGY \$ (1 $\Phi$ , 3 $\Phi$ )	50 Hz 63.5 V to 230 V 1 mA to 12 A (0.1905 W to 8.28 kW) At UPF	0.036 %	Using 3 $\Phi$ Power /Energy Meter EPZ-303-5 by Comparison Method
	At 0.5 pf & 0.8 pf	0.047 % to 0.068 %	
2. AC REACTIVE ENERGY \$ (1 $\Phi$ , 3 $\Phi$ )	50 Hz 63.5 V to 230 V 1 mA to 12 A (0.12 W to 10.8 kW) At UPF	0.036 %	Using 3 $\Phi$ Power /Energy Meter EPZ-303-5 by Comparison Method
	At 0.5 pf & 0.8 pf	0.068 % to 0.072 %	
3. A.C.VOLTAGE \$	50 Hz 40 V to 320 V (p-n)	0.57 %	Using 3 $\Phi$ Power /Energy Meter EPZ-303-5 by Comparison Method
4. A.C.CURRENT \$	50 Hz 1 mA to 120 A	0.088 % to 0.57 %	Using 3 $\Phi$ Power /Energy Meter EPZ-303-5 by Comparison Method
5. FREQUENCY \$	40 Hz to 70 Hz	0.038 % to 0.049 %	Using 3 $\Phi$ Power /Energy Meter EPZ-303-5 by Comparison Method

\* Measurement Capability is expressed as an uncertainty ( $\pm$ ) at a confidence probability of 95%

\$Only in Permanent Laboratory

Neeraj Verma  
Convenor

Avijit Das  
Program Manager