

Laboratory Testing & Quality Assurance Laboratory, MSEDCL, Bapat Camp, Kolhapur, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2455

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Validity 15.11.2017 to 14.11.2019

Last Amended on --

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>ELECTRO-TECHNICAL CALIBRATION</u>				
I. MEASURE				
1.	AC Power/ Energy (1 ϕ & 3 ϕ) [§] (Active/ Reactive)	50 Hz 40 V to 300 V 10 mA to 120 A 0.2 Lead UPF- 0.2 (Lag)	0.035 % to 0.12 %	Using ZERA EPZ 303-08 by Direct/ Comparison Method
2.	Power Factor [§]	50 Hz 40 V to 300 V 10 mA to 120 A 0.2 Lag to UPF to 0.2 Lead	0.006 PF	Using ZERA EPZ 303-08 by Direct/ Comparison Method
3.	AC Current [§]	50 Hz 10 mA to 120 A	0.031 % to 0.036 %	Using ZERA EPZ 303-08 by Direct/ Comparison Method
4.	AC Voltage [§]	50 Hz 40 V to 300 V	0.024 % to 0.019 %	Using ZERA EPZ 303-08 by Direct/ Comparison Method
5.	Frequency [§]	40 V to 300 V 40 Hz to 70 Hz	0.032 %	Using ZERA MTS 320 by Direct/ Comparison Method]
II. SOURCE				
1.	AC Power/ Energy (1 ϕ & 3 ϕ) [§] (Active/ Reactive)	50 Hz 40 V to 300 V 10 mA to 120 A 0.2 Lead UPF- 0.2 (Lag)	0.035 % to 0.12 %	Using ZERA EPZ 303-08 by Comparison Method

Rajeshwar Kumar
Convenor

Avijit Das
Program Director

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

[§] Only in Permanent Laboratory

Rajeshwar Kumar
Convenor

Avijit Das
Program Director