Laboratory	**Rishabh Testing & Calibration Laboratory, F-31, MIDC, Satpur, Nashik, Maharashtra**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**CC-2367** **Page 1 of 2**
Validity	**04.09.2017 to 03.09.2019** **Last Amended on -**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
		ELECTRO-TECHNICAL CALIBRATION		
I.	**SOURCE**			
1.	DC Voltage[$]	1 mV to 300 mV 300 mV to 300V 300 V to1000 V	0.9 % to 0.009 % 0.009 % to 0.007 % 0.007 % to 0.01 %	Using Multi Function Calibrator by Direct Method
2.	DC Current[$]	10 µA to 100 µA 100 µA to 30 mA 30 mA to 300 mA 300 mA to 3 A 3 A to 10 A	0.63 % to 0.12 % 0.12 % to 0.02 % 0.02 % to 0.05 % 0.05 % to 0.1 % 0.1 % to 0.11 %	Using Multi Function Calibrator by Direct Method
3.	AC Voltage[$]	**50 Hz to 1 kHz** 30 mV to 3V **50 Hz to 1 kHz** 3 V to 1000V	 0.27 % to 0.2 % 0.2 % to 0.08 %	Using Multi Function Calibrator by Direct Method
4.	AC Current[$]	**50 Hz to 1 kHz** 100 µA to 300 µA **50 Hz to 1 kHz** 300 µA to 300 mA **50 Hz to 1 kHz** 300 mA to 10 A	 0.5 % to 0.4 % 0.4 % to 0.2 % 0.2 % to 0.48 %	Using Multi Function Calibrator by Direct Method
5.	DC Resistance[$]	1 Ω to 3 kΩ 3 kΩ to 30 kΩ 30 kΩ to 300 kΩ 300 kΩ to 3 MΩ 3 MΩ to 30 MΩ	1.4 % to 0.016 % 0.016 % 0.016 % to 0.02 % 0.02 % to 0.025 % 0.025 % to 0.12 %	Using Multi Function Calibrator by Direct Method
6.	Capacitance[$]	**1 kHz** 10 nF to 100 µF	 1.3 % to 1.4 %	Using Multi Function Calibrator by Direct Method

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Convenor

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Accreditation Standard	**ISO/IEC 17025: 2005**		
Certificate Number	**CC-2367**	**Page**	**2 of 2**
Validity	**04.09.2017 to 03.09.2019**	**Last Amended on**	**-**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
7.	Frequency[$]	10 Hz to 30 kHz 30 kHz to 100 kHz	0.06 % to 0.07 % 0.07 % to 0.007 %	Using Multi Function Calibrator by Direct Method
II.	**MEASURE**			
1.	1Ø Active Power[$]	**50 Hz** **60 V to 320 V** **0.05 A to 20 A** **UPF** 30 W to 1 kW 1 kW to 5.12 kW **0.5 Lead to 0.5 Lag** 30 W to 1 kW 1 kW to 2.56 kW	 0.14 % to 0.12 % 0.12 % to 0.11 % 0.13 % to 0.12 % 0.12 %	Using ZERA RMM 3001 by Direct Method
2.	3Ø Active Power[$]	**50 Hz** **60 V to 320 V** **0.05 A to 20 A** **UPF** 100 W to 15.36kW **0.5 Lead to 0.5 Lag** 100W to 7.68 KW	 0.11 % 0.11 %	Using ZERA RMM 3001 by Direct Method

*** Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%**
[$]Only in Permanent Laboratory

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