

Laboratory RE Laboratories, 10/5, DLF Industrial Area, Moti Nagar, New Delhi
 Accreditation Standard ISO/IEC 17025: 2005
 Certificate Number CC-2483 (in lieu of C-0443) Page 1 of 2
 Validity 27.01.2018 to 26.01.2020 Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>ELECTRO-TECHNICAL CALIBRATION</u>				
I.	SOURCE			
1.	Resistance*	1 m Ω to 10 k Ω	1.31 %	Using Resistance Box (RE) by Direct Method
2.	Insulation Resistance*	1 M Ω to 100 G Ω	4.85 % to 4.95 %	Using Mega Ohm Box (RE) by Direct Method
II.	MEASURE			
1.	AC Voltage*	50 Hz 1 V to 750 V	0.7 % to 1.2 %	Using Precision Multi Meter 6.5 Digit, Fluke 8646A By Direct Method
	AC High Voltage*	50 Hz 1 kV to 20 kV	1.8 %	Using HV Probe (RE) with DMM By Direct Method
		50 Hz > 20 kV to 200 kV	1.4 %	Using AC HV Divider (RE) with Kilo Volt Meter By Direct Method
2.	DC Voltage*	1 V to 1000 V	0.7 %	Using Precision Multi Meter 6.5 Digit, Fluke 8646A By Direct Method
	DC High Voltage*	1 kV to 10 kV	2.1 %	Using HV Probe (RE) with DMM By Direct Method
		> 10 kV to 100 kV	1.6 %	Using DC HV Divider (RE) with Kilo Volt Meter By Direct Method

Ashish Kakran
Convenor

Avijit Das
Program Director

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
3.	AC Current*	50 Hz 1 mA to 1000 mA 1 A to 10 A 50 Hz 10 A to 3000 A	1.1 % to 1.3 % 1.1 % to 1.3 % 1.5 % to 1.75 %	Using Precision Multi Meter 6.5 Digit, Fluke 8646A By Direct Method Using Current Transformer (RE) with DMM by Direct Method
4.	DC Current*	1 mA to 1000 mA 1 A to 7.5 A	0.7 % to 0.1 % 0.7 % to 0.1 %	Using Precision Multi Meter 6.5 Digit, Fluke 8646A By Direct Method

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

*Only for Site Calibration

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