

Laboratory Darsh Calibrations Pvt. Ltd., B-154, 1st Extension, Kamla Nehru Nagar, Jodhpur, Rajasthan

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2070 Page 1 of 2

Validity 03.12.2018 to 02.12.2020 Last Amended on -

“In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020”

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
<u>ELECTRO TECHNICAL CALIBRATION</u>				
I.	MEASURE			
1.	AC Energy# 3 Phase, Active Energy (Cosφ ±0.5 to 1)	50 Hz 60 V to 300 V 5 mA to 12 A	0.065% (upto 50 mA) 0.05% (Above 50 mA)	Using Zera MT 3301 Class 0.02(3 Phase Portable Reference Meter) by Standard Comparison Method
2.	AC Energy# 3 Phase Reactive Energy Sin φ ±0.5 to 1)	50 Hz 60 V to 300 V 5 mA to 12 A	0.065% (upto 50 mA) 0.05% (Above 50 mA)	Using Zera MT 3301 Class 0.02(3 Phase Portable Reference Meter) by Standard Comparison Method
3.	Current Transformer# (Metering) Ratio Error Phase Error	50Hz Primary (1A to 2500A) Secondary (1A to 5A) Ratio Error Phase Error	0.04% 2.63Min	Using Standard CT and Automatic Instrument Transformer Test Set by Std. Comparison Method

Ashish Kakran
Convenor

Avijit Das
Program Manager

Laboratory Darsh Calibrations Pvt. Ltd., B-154, 1st Extension, Kamla Nehru Nagar, Jodhpur, Rajasthan

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
4.	Potential Transformer# Ratio Error Phase error	Primary 11kV/ $\sqrt{3}$ kV to 33kV/ $\sqrt{3}$ kV Secondary 63.5V Ratio Error Phase Error	0.065% 2.55 Min	Using Standard PT and Automatic Instrument Transformer Test Set by Std. Comparison Method

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

The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

Ashish Kakran
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