



NABL

National Accreditation Board for Testing and Calibration Laboratories

(An Autonomous Body under Department of Science & Technology, Govt. of India)

CERTIFICATE OF ACCREDITATION

PRISM CALIBRATION CENTRE

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

F/101, 101A, TF 94-98, Rudraksh Complex-II, Phase-III, GIDC Vatva, Ahmedabad, Gujarat

in the discipline of

ELECTRO-TECHNICAL CALIBRATION

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Certificate Number C-1039

Issue Date 26/11/2015



Valid Until 25/11/2017

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

Avijit Das
Program Manager

Anil Relia
Director

Prof. S. K. Joshi
Chairman

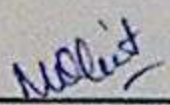


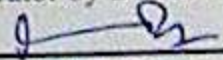
NABL

SCOPE OF ACCREDITATION

Laboratory	Prism Calibration Centre, F/101, 101A, TF 94-98, Rudraksh Complex-II, Phase-III, GIDC Vatva, Ahmedabad, Gujarat		
Accreditation Standard	ISO/IEC 17025:2005		
Discipline	Electro-Technical Calibration	Issue Date	26.11.2015
Certificate Number	C-1039	Valid Until	25.11.2017
Last Amended on	-	Page	1 of 4

Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability ($\pm$)	Remarks
I. SOURCE			
1. Temperature Measurement (Thermocouple) [#]			
K- Type	-50 °C to 1300 °C	0.59 °C to 0.75 °C	Using Advance Calibrator Temperature Simulation (Indicator/Recorder/ Controller) by Direct Method
J- Type	-50 °C to 1200 °C	0.47 °C	
B- Type	600 °C to 1800 °C	2.4 °C to 1.5 °C	
R- Type	360 °C to 1700 °C	1.37 °C	
S- Type	300 °C to 1700 °C	1.8 °C to 1.3 °C	
T- Type	-50 °C to 400 °C	0.75 °C	
2. Temperature Measurement [#] (RTD PT 100)	-200 °C to 800 °C	0.34 °C to 0.57 °C	Using Advance Calibrator (Source Mode) by Direct Method
3. DC Current ^S	10 A to 800 A	1.50 %	Using Multifunction Calibrator & Current Coil by Direct Method
4. AC Current ^S	50 Hz 10 A to 800 A	1.60 %	Using Multifunction Calibrator & Current Coil by Direct Method
5. 1 Φ Power / Energy Meter [#]	0.8 P.F. to UPF 50 to 250V / 0.1 to 5 A 0.8 P.F. to UPF (Lag) (4 W to 1250 W)	0.48 % to 0.21 %	Using 3 Φ Power & Energy Meter Calibrator by Direct Method
6. 3 Φ Power / Energy meter [#]	0.5 P.F. to UPF 50 to 250V / 0.1 to 5 A 0.5 to UPF (Lag) (7.5 W to 3750 W)	0.48 % to 0.21 %	Using 3 Φ Power & Energy Meter Calibrator by Direct Method
7. Power Factor [#]	50 Hz 0.5 to UPF (Lag-Lead)	0.012 PF	Using 3 Φ Power & Energy Meter Calibrator by Direct Method


Mohit Kaushik
Convenor


Avijit Das
Program Manager



NABL

SCOPE OF ACCREDITATION

Laboratory Prism Calibration Centre, F/101, 101A, TF 94-98, Rudraksh Complex-II,
Phase-III, GIDC Vatva, Ahmedabad, Gujarat

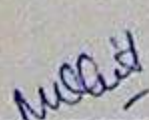
Accreditation Standard ISO/IEC 17025:2005

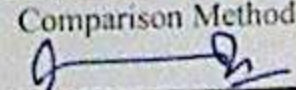
Discipline Electro-Technical Calibration Issue Date 26.11.2015

Certificate Number C-1039 Valid Until 25.11.2017

Last Amended on - Page 2 of 4

Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability ($\pm$)	Remarks
8. DC VOLTAGE *	20 mV to 100 mV 100 mV to 1000 V	0.6 % to 0.13 % 0.13 % to 0.13 %	Using 5½ Multifunction Calibrator by Direct Method
9. AC VOLTAGE *	50 Hz 100 mV to 1 V 1 V to 999 V	0.300 % 0.3 % to 0.17%	Using 5½ Multifunction Calibrator by Direct Method
10. DC CURRENT *	0.2 mA to 24 mA 100 mA to 1 A 1 A to 10 A 10 A to 800 A	2.1 % to 0.04 % 0.22 % to 0.20 % 1.5 %	Using Advance Calibrator Using 5½ Multifunction Calibrator by Direct Method Using 5½ Multifunction Calibrator / Current Coil by Direct Method
11. AC CURRENT *	50 Hz 1 mA to 100 mA 100 mA to 1 A 1 A to 10 A 10 A to 800 A	0.55 % to 0.18 % 0.18 % to 0.82 % 0.82 % to 0.36 % 1.6%	Using 5½ Multifunction Calibrator by Direct Method Using 5½ Multifunction Calibrator / Current Coil by Direct Method
12. RESISTANCE *	1 Ω to 1 G Ω	1.3 % to 3.3 %	Decade Resistance Box by Direct Method
II. MEASURE			
1. DC VOLTAGE ^s	1 mV to 100 mV 100 mV to 1 V 1 V to 1000 V	0.72 % to 0.01% 0.01 % to 0.2% 0.2 % to 0.009%	Using Multifunction Calibrator & 6½ DMM by Comparison Method
2. AC VOLTAGE ^s	50 Hz 100 mV to 1V 1V to 999V	0.12 % to 0.20 % 0.20 % to 0.104 %	Using Multifunction Calibrator & 6½ DMM by Comparison Method


Mohit Kaushik
Convenor


Avijit Das
Program Manager



NABL

SCOPE OF ACCREDITATION

Laboratory Prism Calibration Centre, F/101, 101A, TF 94-98, Rudraksh Complex-II,
Phase-III, GIDC Vatva, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025:2005

Discipline Electro-Technical Calibration Issue Date 26.11.2015

Certificate Number C-1039 Valid Until 25.11.2017

Last Amended on - Page 3 of 4

Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability ($\pm$)	Remarks
3. DC CURRENT ⁵	0.1 mA to 1 mA 1 mA to 100 mA 100 mA to 1 A 1 A to 10 A	2.0 % to 0.06 % 0.06 % to 0.07 % 0.07 % to 0.2 % 0.2 % to 0.18 %	Using Multifunction Calibrator & 6½ DMM by Comparison Method
4. AC CURRENT ⁵	50 Hz 0.1 mA to 1 mA 1 mA to 100 mA 100 mA to 1 A 1 A to 10 A	1.2 % to 0.3 % 0.3 % to 0.19 % 0.19 % to 0.3 % 0.3 % to 0.24 %	Using Multifunction Calibrator & 6½ DMM by Comparison Method
5. FREQUENCY ⁵	10 Hz to 50 kHz	0.08 % to 0.03 %	Using Advance Calibrator and 6½ DMM by Comparison Method
6. RESISTANCE ⁵	1Ω to 1GΩ	0.70 % to 2.32 %	Using Decade Resistance Box and 6½ DMM by Comparison Method
7. Temperature Measurement (Thermocouple) ⁶	K-Type -50°C to 1300°C J-Type -50°C to 1200°C B-Type 600°C to 1800°C R-Type 360°C to 1700°C S-Type 300°C to 1700°C T-Type -50°C to 400°C	0.57 °C to 0.74 °C 0.46 °C 2.4 °C to 1.4 °C 1.25 °C 1.8 °C to 1.3 °C 0.74 °C	Using Advance Calibrator Temperature Simulation (Process Calibrators) by Direct Method
8. Temperature Measurement ⁶ (RTD PT 100)	-200°C to 800°C	0.28 °C to 0.39 °C	Using Advance Calibrator (Sink Mode) by Simulation Method
9. Time ⁶	7 s to 3600 s 3600s to 86400s	2.40 s 2.4 s to 20.54 s	Using Digital Master Stop Watch by Comparison Method

Mohit Kaushik
Convenor

Avijit Das
Program Manager



NABL

SCOPE OF ACCREDITATION

Laboratory	Prism Calibration Centre, F/101, 101A, TF 94-98, Rudraksh Complex-II, Phase-III, GIDC Vatva, Ahmedabad, Gujarat		
Accreditation Standard	ISO/IEC 17025:2005		
Discipline	Electro-Technical Calibration	Issue Date	26.11.2015
Certificate Number	C-1039	Valid Until	25.11.2017
Last Amended on	-	Page	4 of 4

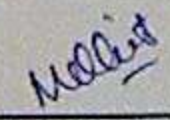
Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability ($\pm$)	Remarks
10. AC High Voltage *	1 kV to 20 kV	1.4 %	Using HV Probe and 5 4/5 DMM by Comparison Method
11. DC High Voltage *	1 kV to 20 kV	2.5 %	Using HV Probe and 5 4/5 DMM by Comparison Method
12. DC VOLTAGE *	1 mV to 100 mV 100 mV to 990V	1.92 % to 0.05 % 0.05 % to 0.12 %	Using 5 4/5 Digit Multimeter by Direct Method
13. AC VOLTAGE *	50 H 100 mV to 1 V 1 V to 900 V	0.95 % to 0.94 % 0.94 % to 2.31 %	Using 5 4/5 Digit Multimeter by Direct Method
14. DC CURRENT *	0.1 mA to 100 mA 100 mA to 1 A 1 A to 10 A	3.8 % to 0.27 % 0.27 % to 0.98 % 1.00 % to 0.62 %	Using 5 4/5 Digit Multimeter by Direct Method
15. AC CURRENT *	50 Hz 0.1 mA to 100 mA 100 mA to 1 A 1 A to 10 A	3.60 % to 1.23 % 1.23 % to 1.72 % 1.72 % to 1.24 %	Using 5 4/5 Digit Multimeter by Direct Method

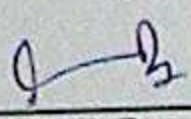
* Measurement Capability is expressed as an uncertainty ($\pm$) at a confidence probability of 95%

* Only in Permanent Laboratory

* Only for Site Calibration

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


Mohit Kaushik
Convenor


Avijit Das
Program Manager