



NABL

National Accreditation Board for Testing and Calibration Laboratories

Department of Science & Technology, India

CERTIFICATE OF ACCREDITATION

SHREE RADHEY TECHNOLOGY

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

S -19 & 20, RIICO Industrial Area, Bindayaka, Jaipur, Rajasthan

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-0741

Issue Date 19/08/2014



Valid Until 18/08/2016

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 Rella
Director

Prof. K. VijayRaghavan
Chairman



रा.प्र.प्र.बो.

राष्ट्रीय परीक्षण और अंशशोधन
प्रयोगशाला प्रत्यायन बोर्ड
विज्ञान एवं प्रौद्योगिकी विभाग, भारत

प्रत्यायन प्रमाण-पत्र

श्री राधे टेक्नोलॉजी

का मूल्यांकन और प्रत्यायन निम्न मानक के अनुसार

आई.एस.ओ./आई.ई.सी. 17025:2005

“परीक्षण एवं अंशशोधन प्रयोगशालाओं की सक्षमता की सामान्य अपेक्षाएँ”

जयपुर, राजस्थान

में स्थित इसकी सुविधाओं के लिए

विद्युत तकनीकी अंशशोधन

के विषय क्षेत्र में किया गया।

(इस प्रयोगशाला के प्रत्यायन के विषय क्षेत्र की जानकारी एन ए बी एल वेबसाइट www.nabl-india.org से भी प्राप्त कर सकते हैं) →

प्रमाण-पत्र संख्या अ-0741

जारी करने की तिथि 19/08/2014



वैधता की तिथि 18/08/2016

यह प्रमाण-पत्र उपर्युक्त मानक तथा राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड की अतिरिक्त अपेक्षाओं का निरंतर संतोषप्रद अनुपालन किए जाने पर अनुबंध में निर्दिष्टानुसार प्रत्यायन के क्षेत्र के लिए वैध रहेगा।

रा.प्र.प्र.बो. की ओर से हस्ताक्षरित

अविजित दास

अविजित दास
कार्यक्रम प्रवन्धक

अनिल रेलिया

अनिल रेलिया
निदेशक

प्रो. क. विजयराघवन

प्रो. क. विजयराघवन
अध्यक्ष



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SCOPE OF ACCREDITATION

Laboratory	Shree Radhey Technology, S – 19 & 20, RIICO Industrial Area, Bundayaka, Jaipur, Rajasthan		
Accreditation Standard	ISO/IEC 17025: 2005		
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Last Amended on	-	Page	1 of 4

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
SOURCE			
1. AC VOLTAGE ^s	50 Hz 1V to 1000V	0.9% to 0.3 %	Using 5½ Digit Digital Calibrator By Direct /Comparison Method
2. AC CURRENT ^s	50 Hz 10 mA to 100 mA 100 mA to 1A 1A to 10 A 10A to 100A 100 A to 1000A	1.5% to 0.5 % 0.7 % 0.85 to 0.4 % - -	Using 5½ Digit Digital Calibrator & Current Coil By Direct /Comparison Method
3. DC VOLTAGE ^s	1mV to 200mV 200mV to 1000V	0.9% to 0.2 % 0.3 %	Used 5 ½ Digit Digital Calibrator By Direct /Comparison Method
4. DC CURRENT ^s	100µA to 20 mA 20mA to 10A 10 A to 100A 100 A to 1000A	0.7% to 0.4 % 0.7% to 0.4 % -	Using 5 ½ Digit Digital Calibrator & Current Coil By Direct /Comparison Method Using 5 ½ Digit Digital Calibrator & Current Coil By Direct /Comparison Method
5. RESISTANCE ^s 4 WIRE 2 WIRE	1mΩ,10mΩ,100mΩ,1Ω 1 Ω to 100 Ω 100 Ω to 10 kΩ 1 MΩ to 20 GΩ	1.1% to 0.7 % 0.6% to 0.2 % 0.2 % 0.6 %to 4.5 %	Used Standard Resistance Box & Digital Calibrator (TIPL) By Direct /Comparison Method

Avijit Das
Program Manager

Shally Sharma
Convener



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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
6. TEMPERATURE SIMULATION [#] Calibration of Temperature Controller / Indicator / Recorder RTD	-200 °C to 600°C	0.2 %	Used Digital Calibrator By Direct /Comparison method
Thermocouple			
J- Type	50 °C to 800°C	0.8% to 0.5 %	
K- Type	50 °C to 1200°C	0.8% to 0.5 %	
R- Type	100 °C to 1600°C	1.0% to 0.7 %	
S- Type	200 °C to 1600°C	1.0% to 0.6 %	
7. TIME INTERVAL ^S (Stop Watch / Timer / Hour Meter)	10 s to 12 hrs	5% to 0.5 %	Used Digital Stop Watch By Comparison Method
8. FREQUENCY ^S	50 Hz to 900 Hz	0.6% to 0.3 %	Used 5 ½ Digit Digital calibrator By Direct /Comparison Method
9. CAPACITANCE ^S	10nF to 3 μ F	2.5 %	Used Standard Capacitance Box By Direct /Comparison Method
10. INDUCTANCE ^S	1mH to 1H	1.3% to 1.5 %	Used Standard Inductance Box By Direct /Comparison Method
11. RESISTANCE [#]	1m Ω , 10m Ω , 100m Ω , 1 Ω	1.1% to 0.7 %	Used Standard Resistance Box
4 wire	1 to 100 Ω	0.6% to 0.2 %	By Direct /Comparison Method
2 wire	100 Ω to 2k Ω	0.2 %	
	1M Ω to 20G Ω	0.6% to 4.5 %	
12. TIME [*] (Stop Watch/Timer/Hour meter)	10 sec. to 2 hrs	5.0% to 0.5%	Used Digital Stop Watch By Direct /Comparison Method
13. CAPACITANCE [*]	1nF to 10 μ F	2.5 %	Used Standard Capacitance Box By Direct /Comparison Method

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
14. INDUCTANCE*	10 μ H to 10H	1.3% to 1.5 %	Used Standard Inductance Box By Direct /Comparison Method
MEASURE			
1. AC VOLTAGE ^s	50 Hz 10 mV to 100 mV 100mV to 1V 1V to 100V 100V to 1000V	1.5% to 0.6%	Used 6½ Digital Multimeter By Direct /Comparison Method
AC HIGH VOLTAGE*	50Hz 1 kV to 15kV	4.6% to 3.7 %	Used H.V. Probe with Multimeter By Direct /Comparison Method
2. AC CURRENT ^s	50 Hz 100 μ A to 1mA 1 to 10mA 10mA to 100mA 100mA to 1A 1A to 8A	0.6 %	Used 6½ Digital Multimeter By Direct /Comparison Method
3. DC VOLTAGE ^s	10 to 100mV 100mV to 1V 1V to 100V 100V to 1000V	1.5% to 0.6 %	Used 6½ Digital Multimeter By Direct /Comparison Method
DC HIGH VOLTAGE*	1 kV to 5kV	3.5 %	Used Multimeter with H.V. Probe By Direct /Comparison Method
4. DC CURRENT ^s	10 to 100 μ A 100 μ A to 1mA 1A to 10mA 10mA to 100mA 1mA to 9 A	1.5% to 0.5 %	Used 6½ Digital Multimeter By Direct /Comparison Method


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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
5. RESISTANCE ^S 4 WIRE 2 WIRE	1m Ω to 10 Ω 10 to 100 Ω 100 to 1k Ω 1 to 10k Ω 10 k Ω to 1G Ω	1.2% to 0.5 % 0.6% to 0.3 % 0.3% to 0.5 % 0.6% to 1.5 % 1.5 % to 2.5 %	Used Digital Micro ohm Meter & 6 $\frac{1}{2}$ Digital Multimeter By Direct /Comparison Method
6. FREQUENCY ^S	50Hz to 950Hz	0.6% to 0.3 %	Used 6 $\frac{1}{2}$ Digital Multimeter By Direct /Comparison Method
7. CAPACITANCE ^S	1nF to 1 μ F	3.0 %	Used LCR Meter By Direct /Comparison Method
8. INDUCTANCE ^S	10mH to 1H	3.0 %	Used LCR Meter By Direct /Comparison Method

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

^S 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.

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