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|---|---|---|---|
| **Laboratory** | **Hi-Tech Meter Laboratory, UGVCL, Nr. Rly. Over Bridge, Sabarmati, Ahmedabad, Gujarat** | | |
| **Accreditation Standard** | **ISO/IEC 17025: 2005** | | |
| **Discipline** | **Electro-Technical Calibration** | **Issue Date** | **24.06.2015** |
| **Certificate Number** | **C-0550** | **Valid Until** | **23.06.2017** |
| **Last Amended on** | **-** | **Page** | **1 of 2** |

| Quantity Measured/ Instrument | Range / Frequency | *Calibration Measurement Capability (±) | Remarks |
|---|---|---|---|
| **MEASURE** | | | |
| **1. AC ENERGY$ (Without ICT )** | **45 Hz to 65 Hz**<br>40 V to 300 V<br>10 mA to 120 A<br>PF: -1.0 to +1.0 | 0.0650 % | Using PRS 121.3 Three Phase Electronic Reference Standard: Voltage Power Source PSU 10; Current Power Source PSI 10 by Comparison Method |
| **2. AC ENERGY$ (With ICT)** | **45 Hz to 65 Hz**<br>40 V to 300 V<br>10 mA to 120 A<br>PF: -1.0 to +1.0 | 0.0850 % | Using PRS 121.3 Three Phase Electronic Reference Standard; Voltage Power Source PSU 10; Current Power Source PSI 10 by Comparison Method |
| **3. AC POWER $ (Without ICT )** | **45 Hz to 65 Hz**<br>40 V to 300 V<br>10 mA to 120 A<br>PF: -1.0 to +1.0 | 0.0650 % | Using PRS 121.3 Three Phase Electronic Reference Standard; Voltage Power Source PSU 10; Current Power Source PSI 10 by Comparison Method |
| **4. AC POWER $ (With ICT)** | **45 Hz to 65 Hz**<br>40 V to 300 V<br>10 mA to 120 A<br>PF: -1.0 to +1.0 | 0.0850 % | Using PRS 121.3 Three Phase Electronic Reference Standard; Voltage Power Source PSU 10; Current Power Source PSI 10 by Comparison Method |

**Bibin Philip**
**Convenor**

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**Program Manager**

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| | Quantity Measured/ Instrument | Range / Frequency | *Calibration Measurement Capability (±) | Remarks |
|---|---|---|---|---|
| 5. | **AC VOLTAGE** [$] | **50 Hz**<br>40 V to 480 V | 0.660 % | Using PRS 121.3 Three Phase Electronic Reference Standard; Voltage Power Source PSU 10; Current Power Source PSI 10 by Comparison Method |
| 6. | **AC CURRENT** [$] | **50 Hz**<br>10 mA to 120 A | 0.11 % | Using PRS 121.3 Three Phase Electronic Reference Standard; Voltage Power Source PSU 10; Current Power Source PSI 10 by Comparison Method |
| 7. | **POWER FACTOR** [$] | **50 Hz**<br>40 V to 300 V<br>10 mA to 120 A<br>PF: -1.0 to +1.0 | 0.01 % | Using PRS 121.3 Three Phase Electronic Reference Standard; Voltage Power Source PSU 10; Current Power Source PSI 10 by Comparison Method |

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

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