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| Laboratory | Capital Power Systems Ltd. (Meter Testing Laboratory), B-40, Sector-4, Noida, Uttar Pradesh | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Electrical Testing | Issue Date | 22.08.2014 |
| Certificate Number | T-3089 | Valid Until | 21.08.2016 |
| Last Amended on | - | Page | 1 of 2 |

| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|--------------|---|--------------------------------|--|--|
| I. | MEASURING INSTRUMENTS - - ELECTRICAL AND ELECTRONIC (STATIC) ENERGY METERS | | | |
| 1. | AC static watt-hour Meters, CI 1 & 2 (Single phase & 3 phase) | No Load Conditions | Cl. 12.13 of IS: 13779-99 | Voltage : 10 V to 300 V Current : 1 mA to 120 A Frequency : 45 to 65 Hz Power : 300 V x 100A PF :0.1 lag - UPF-0.1 lead Energy : 1 VA s onwards 0.1 VA to 100VA and 0.1 W to 100 W Upto 50 MΩ & 500 V DC Upto 5 kV AC |
| | | Starting conditions | Cl. 12.14 of IS: 13779-99 | |
| | | Limits of Error | Cl. 11.1 of IS: 13779-99 | |
| | | Meter Constant | Cl. 12.15 of IS: 13779- 99 | |
| | | Repeatability of Error | Cl. 11.7 of IS: 13779-99 | |
| | | Power Consumption | Cl. 12.7.1 of IS: 13779-99 | |
| | | Insulation Resistance | Cl. 12.7.6.4 of IS: 13779-99 | |
| | | AC high voltage | Cl. 12.7.6.3 of IS: 13779-99 | |
| 2. | AC Static Transformer operated Watt-hour and Var hour meters Class 0.2S & 0.5S | No Load Conditions | Cl. 12.12 of IS: 14697-99 | Voltage : 10 V to 300 V Current : 1 mA to 120 A Frequency : 45 to 65 Hz Power : 300 V x 100A PF :0.1 lag - UPF-0.1 lead Energy : 1 VA s onwards 0.1 VA to 100VA and 0.1 W to 100 W Upto 50 MΩ & 500 V DC Upto 5 kV AC |
| | | Starting conditions | Cl. 12.13 of IS: 14697-99 | |
| | | Limits of Error | Cl. 11.1 & 11.2 of IS: 14697-99 | |
| | | Meter Constant | Cl. 12.14 of IS: 14697- 99 | |
| | | Repeatability of Error | Cl. 12.16 of IS : 14697-99 | |
| | | Power Consumption | Cl. 12.7.1 of IS: 14697-99 | |
| | | Insulation Resistance | Cl. 12.7.6.4 of IS: 14697-99 | |
| | | AC high voltage | Cl. 12.7.6.3 of IS: 14697-99 | |

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|------------------------|---|----------------------------|---|--|
| 3. | Standardization of AC static Electrical energy meters CBIP Publication : 304 | No Load Conditions | 5.6.4 of CBIP 304 : 2008 | Voltage : 10 V to 300 V Current : 1 mA to 120 A Frequency : 45 to 65 Hz Power : 300 V x 100A PF :0.1 lag - UPF-0.1 lead Energy : 1 VA s onwards 0.1 VA to 100VA and 0.1 W to 100 W Upto 50 MΩ & 500 V DC Upto 5 kV AC |
| Starting conditions | | 5.6.5 of CBIP 304 : 2008 | | |
| Limits of Error | | 5.6.8 of CBIP 304 : 2008 | | |
| Meter Constant | | 5.6.6 of CBIP 304 : 2008 | | |
| Repeatability of Error | | 5.6.9 of CBIP 304 : 2008 | | |
| Power Consumption | | 5.4.1 of CBIP 304 : 2008 | | |
| Insulation Resistance | | 5.4.6.4 of CBIP 304 : 2008 | | |
| | AC high voltage | 5.4.6.3 of CBIP 304 : 2008 | | |

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