

Laboratory Meter Testing Laboratory, TMR Division, Kerala State Electricity Board Limited, Angamaly South P.O., Ernakulam Dist., Kerala

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7694 (in lieu of T-3063)

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Validity 05.08.2018 to 04.08.2020

Last Amended on 06.08.2018

| Sl. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-----|----------------------------|-------------------------|---|--|
|-----|----------------------------|-------------------------|---|--|

ELECTRICAL TESTING

| I. | ELECTICAL INDICATING & RECORDING INSTRUMENTS | | | |
|-----------|---|---|---|--|
| 1. | AC static watthour class 1& class 2 | No load test | 12.13 of IS 13779:1999, (RA 2009), (upto AMD 5:2015) | 10V to 300V ac |
| | | Starting current | 12.14 of IS 13779:1999, (RA 2009), (upto AMD 5:2015) | 10 V to 300 V 1mA to 50mA |
| | | Limits of error | 11.11 of IS 13779-1999, (RA 2009), (upto AMD 5:2015) | 0.18kWh to 50kWh 10V to 300Vac, 500mA to 65A |
| | | Repeatability of Error | Cl.12.17 of IS 13779:1999 (RA 2009), (upto AMD 5:2015) | 0.18kWh to 50kWh 10V to 300Vac, 500mA to 65A |
| | | Meter Constant | Cl.12.15 of IS 13779-1999 (RA 2009), (upto AMD 5 :2015) | 0.18 kWh to 50 kWh 10V to 300Vac, 500mA to 65A |
| 2. | AC static transformer operated watthour and VAR-hour meters, class 0.2s and 0.5s | No load test | Cl.12.12 of IS 14697:1999, (RA 2009), (upto AMD 4:2014) | 10V to 300V ac |
| | | Starting current | Cl.12.13 of IS 14697-1999, (RA 2009), (upto AMD 4:2014) | 10 to 300 V 1mA to 50mA |
| | | Limits of error for active and reactive. | Cl.11.1 of IS 14697 -1999, (RA 2009), (upto AMD 4:2014) | 0.18 kWh to 50 kWh 10V to 300Vac, 10mA to 10A |
| | | Repeatability of Error | Cl.12.16 of IS 14697-1999, (RA 2009), (upto AMD 4:2014) | 0.18 kWh to 50 kWh 10V to 300Vac, 10mA to 10A |
| | | Meter Constant for active & reactive energy | Cl.12.14 of IS 14697:1999, (RA 2009), (upto AMD 4:2014) | 0.18 kWh to 50 kWh 10V to 300Vac, 10mA to 10A |