



Valid from 12 June 2014
To 11 June 2015
Issued on 17 November 2014

As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



ISO/IEC 17025
TL 038 -01

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 038-01

Surge Simulation Facility
Arthur C Clarke Institute
Katubedda
Moratuwa

Scope of Accreditation: Performing Surge Testing such as limiting voltage, spark over voltage and surge immunity tests of low voltage power distribution systems and telecommunication and signalling networks as per the test methods appearing in this schedule.

The laboratory is accredited for the following tests.

| Sl. No | Product(s) / Material of test | Specific tests performed | Test Method / Standard against which tests are performed | Range of testing / Limits of detection | Uncertainty (\pm) |
|--------|---|--------------------------|--|--|---|
| 01 | Surge Protective Devices | Limiting voltage | IEC 61643-11 section 8.3.3.3, 2011-03 IEC 61643-21 section 6.2.1.3, 2000-09 | 300 V - 7.0 kV | Generated voltage $\leq 4\text{kV}$, 0.05V $4\text{kV} < \text{Generated voltage} \leq 7.0\text{ kV}$, 0.50V |
| 02 | Surge Protective Components Gas Discharge Tubes (GDTs) | Spark over voltage | ITU-T-K.12 section 5.2 1995 -05 | 300 V - 7.0 kV | Generated voltage $\leq 4\text{kV}$, 0.05V $4\text{kV} < \text{Generated voltage} \leq 7.0\text{kV}$, 0.50V |
| 03 | Electrical Appliances | Surge Immunity Test | IEC 61000-4-5 section 8 1995-02 | 300 V - 7.0 kV | Generated voltage $\leq 4\text{kV}$, 0.05V $4\text{kV} < \text{Generated voltage} \leq 7.0\text{ kV}$, 0.50V |