

## ***Your Partner in Professional Testing***

NERD Centre's Electrical & Electronics Department is the pioneer and leading service provider in Sri Lanka to provide services on testing for Electrical & Electronics appliances, equipment accessories and components including Lamps, batteries and solar PV & SHS items.

The test Laboratories established within the department of Electrical & Electronics Engineering are fully equipped with state of the art high accuracy equipment. Testing are been done as per the international standards or any other standard.

We do

- Lamp Testing
- Battery Testing
- Meter calibrations

## ***Lamp Testing***

### ***Types of lamps undertaken for testing***

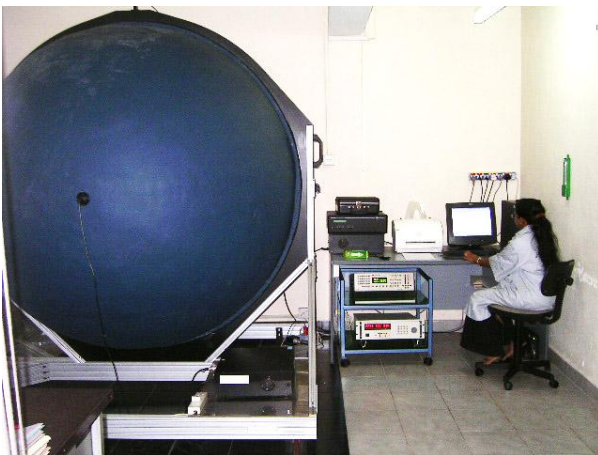
*CFLs*

*Linear Fluorescent Lamps*

*Incandescent lamps*

*LED*

*Any other lamp with maximum wattage up to 5000Watts.*



### **Measurements on lamp testing**

#### ***Photometric characteristics***

(Total luminous flux, Spectral flux,  
Radiant flux, Colour characteristics,  
Colour rendering index, luminous efficacy  
Chromaticity coordinates etc.)

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#### ***Electrical Characteristics***

(True power, True RMS current,  
Harmonics up to 99<sup>th</sup>, THD  
Crest factor, Power factor)

### ***Services offered by Lamp Testing Laboratory***

- Testing and certification of CFL and other types of lamps against local & international standards.
- Testing of CFL lamps against Sri Lanka energy labeling standards.
- Testing & measurement reports for product as per customer specification.

## **Battery Testing**

### ***Types of batteries undertaken for testing***

Lead-acid starter batteries for automobiles

Lead-acid starter batteries for motor cycles, three wheelers (petrol) and similar use



### ***Services offered by Battery Testing Laboratory***

- Testing and certification of batteries against local & international standards. (SLS 1126/ SLS 1235)
- Testing & measurement reports for products as per customer specification.

## **Meter calibration**

### ***Types of meters under taken for calibrations***

Illuminance meters (Lux meters)



## ***Inquiries***

*You can contact*

Department of Electrical & Electronic Engineering  
Telephone : General – 0112236307, 0112236284, 0112236384

**Lamp testing** – Dilrukshi - ext. 512  
**Batteries testing & meter calibration** – Samila - ext. 509  
**Solar PV & SHS** - Sanjeev - ext. 501

Fax : General – 0112233153  
Email : [electrical@nerdc.lk](mailto:electrical@nerdc.lk)

**Further inquiry** - Head – 0112233151

**Write : Head of the Department**  
**Department of Electrical & Electronics Engineering**  
**2P/17B, Industrial Estate, Ekala, Ja-Ela**