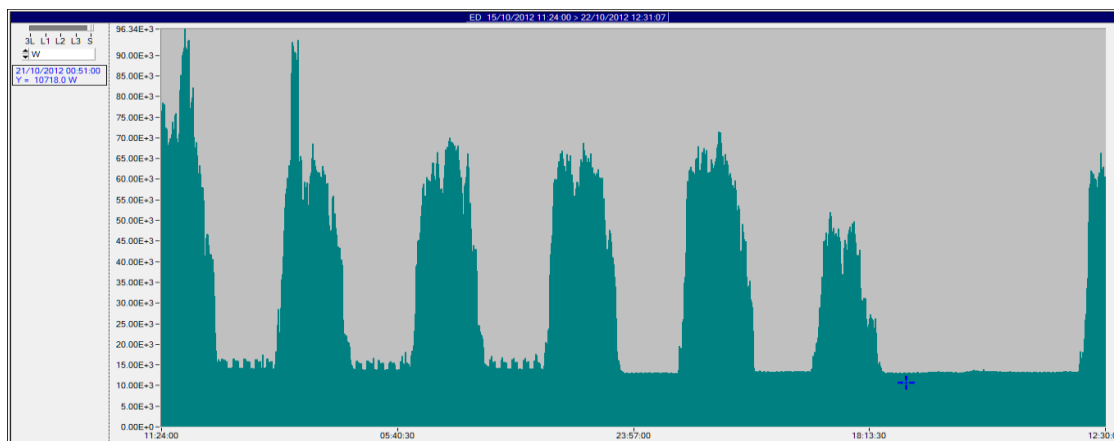


## Case Study: **Profiling of Energy (Power) Consumption Pattern**

### SENERGY Consultants (P) Ltd

#### **Background:**

While conducting energy audit for an office premises, the energy (power) consumption was monitored for the period of entire week.



#### **Operating Scenario:**

- The normal office period of 9 hours during which the occupancy was 100%. The occupancy was sporadic for next few hours.
- The office observed 5 days week; with Saturday and Sunday being weekly off.
- The office had small server room housing a server with 5 KVA UPS and 1.5 TR air conditioner, operational throughout the year. The total consumption of which was measured to be 7.5 kW.
- The consumption during non-working period was observed to be quite high; compared to 7.5 kW consumed for the server room.

#### **Energy Conservation Measures:**

The above concerns and issues were addressed by

- Identifying the reasons for higher consumption during non-working period.
- Eliminating the reasons by creating training and awareness programs.
- Incorporating the minor changes in operating practices.

#### **Outcome:**

- The overall energy consumption of the premises reduced by around 10%.

SCPL-CS-12

*Helping You to Conserve Resources*

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