

# CCMS – Centralised Control & Monitoring System



- Switch ON and OFF the lights of a particular switching point and/or networked switching points from Central Control Station
- Control lights instantaneously or automatically throughout the year on basis of Sunrise and sunset time depending on the geographical location of the switching point.
- Single Switch point can support up to 300 lighting poles
- GPRS based remote streetlight monitoring system with self-protection from short-circuit
- Over voltage protection and anti- theft alert.
- Battery backup of 4 hours.
- Metal/Polycarbonate/SME enclosure with proper lock arrangement.
- GIS mapping covering all switching points

- CCMS has a web-server to receive and record all data from the streetlight controllers.
- Communicate with any individual switching point
- Records LED luminaires glowing and non-glowing hours of a particular switching point.
- Displays the power failure details of a particular switching point.
- Registers all fault conditions like excess voltage/current drawn, lamps failure, no-power supply, etc through the instantaneous alert messages sent by the CCMS unit.
- Reports such as energy saving report, lamp failure report, actual hours of operation, uptime (%), etc. can be generated on a daily basis from the data/readings received from the CCMS units.
- Different user authorization levels can be set

### Web based Application for remote monitoring and configuration

- Total Load: It is the real time total power consumption of all the street lights connected to switch points based on selection criteria like State/District/City.
- Total Meter Readings: It shows the accumulated power consumption of all the switch points.
- Configured: It shows the number of switch points for which connected load is configured. It helps in detecting Overload & light failures.

### City level Dashboard View

- Voltage each phase
- Current each phase
- PF each phase
- Metering KWH cumulative
- Metering KVAH

### Live Meter Readings

S.No	Voltage	Current	Power Factor	kW	kVA	kWh	kVAh	Phase	Date
1	0245.7	000.09	0.318	00.011	00.022	000132.85	000136.79	1	10-02-2016 17:59:57
2	0244.7	000.09	0.318	00.011	00.022	000132.85	000136.79	1	10-02-2016 17:57:14
3	0240.6	000.09	0.333	00.011	00.021	000132.84	000136.78	1	10-02-2016 17:48:19
4	0240.5	000.09	0.523	00.011	00.021	000132.84	000136.78	1	10-02-2016 17:46:03
5	0240.6	000.09	0.333	00.011	00.021	000132.84	000136.78	1	10-02-2016 17:43:51
6	0240.6	000.09	0.380	00.012	00.021	000132.84	000136.78	1	10-02-2016 17:41:39