Intelligent Systems

CCMS – Centralised Control & Monitoring System

WHAT IT DOES -

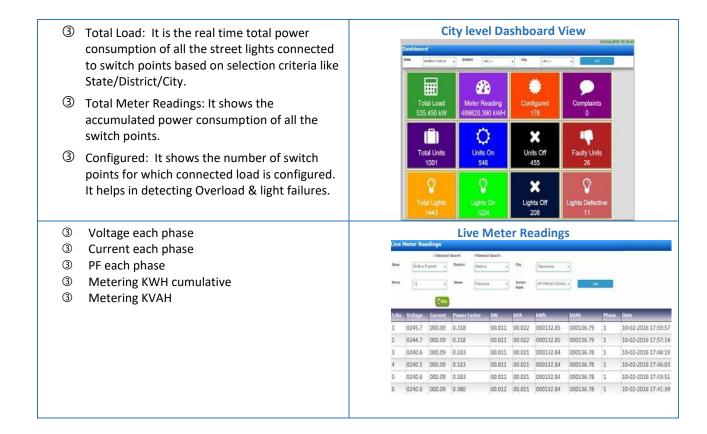


- 3 Switch ON and OFF the lights of a particular switching point and/or networked switching points from Central Control Station
- 3 Control lights instantaneously or automatically throughout the year on basis of Sunrise and sunset time depending on the geographical location of the switching point.
- 3 Single Switch point can support up to 300 lighting poles
- ③ GPRS based remote streetlight monitoring system with selfprotection from short-circuit
- ③ Over voltage protection and anti- theft alert.
- 3 Battery backup of 4 hours.
- Metal/Polycarbonate/SME enclosure with proper lock arrangement.
- GIS mapping covering all switching points

HOW IT FUNCTIONS

- ③ CCMS has a web-server to receive and record all data from the streetlight controllers.
- ③ Communicate with any individual switching point
- ③ Records LED luminaires glowing and nonglowing hours of a particular switching point.
- 3 Displays the power failure details of a
- ③ particular switching point.
- ③ Registers all fault conditions like excess
- ③ voltage/current drawn, lamps failure, no-power supply, etc through the instantaneous alert messages sent by the CCMS unit.
- ③ 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.
- ③ Different user authorization levels can be set

Web based Application for remote monitoring and configuration | Dashboard | Carrier Search | Carrier Search



Analytics Use Cases CCMS

- 1 Fault analysis Identification of power fault to decide the uptime of LED SL.
- 2 Energy Saving data Cumulative Energy saving data gives the reduction in power consumption as well as reduction in greenhouse gas emission (GHG) which is major contributor in global warming.
- 3 Theft analysis- Identification of theft and unauthorized tapping through powerline.
- 4 Overload alert through message to the user mobile phone.
- 5 Zone-wise/ward wise monitoring of LED SL through CCMS data.
- 6 Control of LED SL on-off duration through timer.
- 7 Auto trip recovery and stabilization of LED SL operation post fault clearance

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