

CASE STUDIES

MANGAL CITY MALL (Indore)

Introduction:

Mangal City, a hitech mall was established in 2006 by reputed businessmen in Indore City, Madhyapradesh, India. The mall covers an area of 36,000 sft., housing 46 commercial establishments and 4 multiplex theatres with a large parking facility. Mangal City is an excellent place for shopping and entertainment in Indore city. An expansion plan has been started to expand the existing mall, which also includes a hotel to be added to the existing facilities.

Solution Offered:

Elmeasure's Energy Billing System, the installed system includes over hundred dual source energy meters, the Elnet-128 software and related accessories.

Benefits Achieved:

- The power factor of each location (feeder) could be monitored accurately and maintained by unity power factor over all. This has resulted in a saving of Rs. 0.4L per month
- Each tenants energy consumptions can be monitored separately for EB and DG usage enabling the management to closely monitor the diesel consumption for the generator.
- 9 men per day were deputed for manual data logging which was completely eliminated. The manpower is now being utilised for service backup and hence provides savings and better services.
- Monthly energy Bills were generated accurately for each tenant and the



total energy consumption report for the entire building was generated separately without any manual entries.

- Using EMS, peak hour loads could be monitored for analysis and proper decision making to optimize the usage of electricity.

Investment : INR 7.25 Lakhs

Payback Period : < 18 Months