



ElMeasure

Demand Control helped us control our plants KVA demand and stay within sanctioned limits and avoiding huge penalties, our plants monthly energy bill was reduced by 15%

- Mahendra Pumps Pvt.Ltd
Coimbatore, India

Monitoring energy usage in real time for individual households and common usage areas.
Control the voltage fluctuation
Accurate energy consumption could be determined

Mahendra Pumps wears on its lapel 50 years of pioneering effort to sustain leadership in the motors and pumps marketplace. It is among the earliest to have established integrated manufacturing facilities and today operates from 4 modern operating divisions that include motors and pumps division, foundry division, submersible pumps division and engineering services division.

CE, ISI, ISO standards and 5 star ratings ensure that products delivered to the market conform to quality standards par excellence. From a humble start in 1960 Mahendra is today a leader in the Motor & Pumps sector reaching far and wide nationally and globally.

Electrical system:

The plant's sanctioned demand is 1700 KVA and the monthly energy consumption is approximately 2,50,000 kWh which is drawn from the state electricity board (TNEB). Diesel generator provides standby power.

Solution Components

- Demand Control
Sophisticated Meters
- Energy Management
Software (EInet)

A smart solution

ElMeasure's Demand Controller was connected to the plant's incomer panel. The existing energy meters at different feeders was replaced with ElMeasure's sophisticated meters and connected to a centralized PC loaded with ElMeasure's Energy Management Software, EInet.

Investment
INR 1.2 Lakhs
Payback period
<1 month

Real Business results

- The energy consumption of different processes could be monitored in real time and energy losses were identified and eliminated.
- It helped in increasing the efficiency of the manufacturing process thus increasing productivity and reducing production cost.
- With ElMeasure's EMS, equipment breakdowns were avoided with an effective maintenance schedule which helped to reduce maintenance cost.
- A better manpower planning and utilization was achieved.
- Monthly energy reports were generated for different processes and total unit.
- The plants KVA demand was managed within sanctioned limits thus avoiding huge penalties.
- By using ElMeasure's Energy Management System, the plant's monthly energy bill was reduced by 15%.

For more information

To learn more about Mahendra submersible pumps installation, visit :
www.elmeasure.com/mahendra



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