

CASE STUDIES

TEXTILES

C.R. Mills (Coimbatore) Pvt. Ltd.



Introduction

CR Mills, a premier manufacturers and exporters in the textile industry with over 20 years of service in India, is well known for its products of quality and ethical practices.

Reputed over the world for its quality, CR Mills manufactures Grey fabrics for a wide range of applications that includes shirting, bottom weights, bed linen, lining and pocketing, and much more. CR Mills has stepped into the global market with their products that are classic, highly durable and are of fine quality.

The plant covered in 10 acres of land having over 180 employees operates in 3 shifts and 7 days a week.

Monthly Energy consumption is 200,000 kWh per month.

Problem faced

The Mill was facing problem of often exceeding Maximum Demand, hence paying a huge penalty to the State Electricity Board.

Solution Offered

EIMeasure Maximum Demand Controller (MDC) with 4 relay control outputs is installed in the incomer panel to continuously monitor the demand profile.

The MDC continuously monitors the running demand and forecast the maximum demand level. The Meter allows setting 2 threshold limits to get the control outputs. The 1st and 2nd relay outputs of the MDC activates and gives alarm in advance when forecasted demand exceeds the limit. This helped the customer to switch OFF some non critical loads to remain within the Contract Demand limit. The Meter displays accurate information on the quantum of load to be shut down. If customer does not switch OFF the required amount of loads, the 3rd relay activates which can be utilized to trip the Main Breaker to avoid exceeding contract demand.

The EIMeasure MDC has helped the customer to utilize the demand optimally and avoid huge penalties.

Investment : INR 32,000.00

Payback period: less than 1 month