

Kesar Marbles and Granites Ltd Bangalore

Success story on implementation of Demand Control solutions and benefits achieved.

Introduction:

Kesar Marbles & Granites Ltd. located in the outskirts of Bangalore. This 100% EOU makes Different size and colors of Granite slabs and tiles having plant capacity of 100,000 Sqmt of granite slabs and 150,000 Sqmt of granite tiles per month.

The plant runs 3 shifts a day and 7 days a week.

Monthly Energy consumption is 300,000 kWh that is drawn from State Electricity Board grid.

Problem faced

The plant was facing the problem of often exceeding Maximum Demand (Contract Demand), hence paying a huge penalty to the service provider.

Solution offered

EIMeasure Maximum Demand Controller with 2 relay control outputs is fitted in the incomer panel to continuously monitor the demand profile.

The Maximum Demand Controller continuously monitors the running demand and forecast the maximum demand level in advance. The 1st relay of the Demand Controller activates and gives alarm in advance when forecasted maximum demand exceeds the limit. This helped the customer to switch off some non-critical loads to remain within the contract demand limit. The meter gives accurate information on the quantum of load to be shut down. If the customer does not switch off enough loads, the 2nd relay of the meter would shutdown the main breaker before the running demand exceeds the upper limit set in the meter. This eliminates exceeding the maximum demand and avoid demand penalty.

Investment – INR 15,000.00

Payback period – less than 1 month

