



LJ Energy Lanka Pvt Ltd



### Description

LJ Energy conducted detailed energy audits for the newly installed chiller systems at three Brandix Apparel Plants.

The manufacturing facilities produce fine lingerie, sleepwear, knit tops and loungewear chiefly from a fabric base of fleece knits and micro-satin.

Main equipment studied in the energy audits include:

- Chillers
- Chilled water pumps
- Condenser water pumps
- Cooling towers

### Summary of identified saving measures

- Improvements to operating efficiency of chillers
- Optimising chilled water pumping systems
- Reducing capacity of condenser water pumps
- Optimising operation of cooling towers



Katunayake



Meerigama



Minuwangoda

### Summary of savings identified

Total energy savings	: 250,000 kWh a year
Total cost savings	: LKR 2,600,000 a year
Percentage savings	: 5% of the annual energy cost
Simple pay-back period	: Less than 2 years