



GLAXOSMITHKLINE CONSUMER

India



Benefits

- 29 % reduction in coal usage
- 23 % decrease in electricity costs
- Yearly savings in coal of 83 tons
- Annual energy savings of 2.53 Lakhs (£3,500)
- Payback of 3 years

GEM® Traps Retrofitted in Food Processing Plant

One of India's largest players in the Health Food Drinks industry, the company won first prize in the National Energy Conservation Awards for Food Processing after various energy saving initiatives including the conversion of conventional steam traps to GEM Traps.

Utilities are a major expenditure at the plant, and account for approximately 4-5 % of the cost of goods manufactured. Major sources are coal, electricity and others (HSD etc.), which respectively account for 56 %, 40% and 4% of the utility costs. In 2006, a five-year energy conservation strategy was put in place for the site and by 2010 the plant achieved usage reductions of 29 % and 23 % for coal and electricity, respectively.

Part of the facility's overall energy conservation strategy was investing 8.5 Lakhs (around £11,600) for the replacement of conventional steam traps with GEM Traps. By introducing the new, more efficient technology, the plant has been saving 83 tons per year in coal. Overall annual energy savings amount to 2.53 Lakhs (around £3,500), thereby providing a payback of just three years.

“Energy conservation is a journey at the corporate and site level, and implemented worldwide across all GSK facilities. Periodic assessment happens against pre-defined polices/guidelines and through audits and actions plans. We are committed to the reduction of energy per unit of sales by 45 % by 2015 under our Global Climate Change program.”

- General Manager, GSKCH Ltd, Rajahmundry