Raw Material-Fabri

Fabric Sto

Cuttins

Hydro-Tumble Checking-FinalInspectio

Steam Press



19% reduction in Energy bill of a Textile MSME unit through Energy Efficiency Measures

Background

Faridabad is a mixed cluster in Haryana having over 12000 MSMEs majorly manufacturing various kinds of automobile parts, sheet metal components and fabrics. There are majorly 15 industrial segments in the cluster with a high range of products from soaps to tractors.

Unit Profile

M/s ABC is a MSME unit engaged in manufacturing of garments. Total Energy bill of the unit was Rs.96.10 lakh per annum which was around 3% of total turnover. About 40% of the unit's energy bill was on account of Grid Electricity, 31% accounted for Diesel-DG and remaining 29% accounted for Diesel-Thermal.

Process description

The manufacturing process involves the buying of different fabrics from the market as per the order

and the requirements of the client. The fabric is then cut and stitched in the unit which is again based on design requirements of the client. After stitching, the fabric is washed and dry cleaned accordingly if required. Then the stage comes of final inspection and latter the packaging is done. Diesel and Grid Electricity were used to operate major energy consuming equipments in the unit i.e. HVAC, lighting, machines etc.





and reduction in GHG emissions equivalent to 1.2 million tonne CO_2 . This project is being co-implemented by Small Industries Development Bank of India (SIDBI) and Bureau of Energy Efficiency (BEE).



