

Summary of study: Energy efficient fan/ blower in a textile unit: Unit - 1

Industry : Textiles

Unit profile : A textile unit located in Pune (Maharashtra) engaged in spinning and weaving of yarn for production of home furnishings like bed sheets etc.

Technology :

- Energy efficient fan/ blower

Application : Energy savings in fans of thermic fluid heater

Year of investigation : 2014

Key features:

- Replacing existing inefficient 'induced draft' (ID) fan of thermic fluid heater (TFH) with an energy efficient fan of lower rating

Energy and cost saving:

Details	Existing	Recommended
Power rating (kW)	37	15
Power consumption (kWh/year)	192,853	112,320
Energy saving (kWh/year)		40

Note:

This report is an example for investigating the potential of application of Japanese low carbon technology (LCT) in Indian industries. Adoption of energy efficient fan is the LCT which can generate greater benefits in Indian industries.