

## Summary of study: Application of inverter technology in a textile industry: Unit - 2

**Industry** : Textiles (washing unit)

**Unit profile** : A unit located in Ahmedabad (Gujarat) engaged in processing of dyed & printed fabrics, shirtings and garments

**Technology** :

- Use of inverter technology

**Application** : Energy savings in garments washing machines

**Year of investigation** : 2016

**Key features:**

- Application of inverter technology in main motors of garments washing machines (6 no.) to control the speed based on loading and type of garments



**Energy and cost saving:**

Details	Existing	Recommended
Speed control	No control	Inverter based control system
Power consumption (kWh/yr)	249,198	135,335
Energy saving (%)		54

**Note:**

This report is an example for investigating the potential of application of Japanese low carbon technology (LCT) in Indian industries. Inverter based control system is the LCT which can generate greater benefits in electrical drives in Indian industries.