Summary of study: Air compressor in a foundry unit: Unit - 3

Industry : Foundry

Unit profile : A foundry unit located in Rajkot (Gujarat)

Technology : Operating practice improvements

Application : Energy savings in compressed air system

Year of investigation : 2012

Key features:

- Installation of air dryer
- Installation of air filter
- Use of overhead lines instead of underground piping
- Reduction of leakages

Energy and cost saving:

Details	Existing	Recommended
Compressed air system	30 kW X 1 unit	Operating practice improvements
Energy saving		Marginal

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 technologies and practices can generate greater benefits in compressed air applications in industries.