

Summary of study: Air compressor in a foundry unit: Unit - 2

Industry : Foundry

Unit profile : A foundry unit located in Mohali (Punjab) engaged in the production of metal castings and coating of plumbing products like faucets

Technology :

- Energy efficient air compressor
- Operating practice improvements

Application : Energy savings in compressed air system

Year of investigation : 2012

Key features:

- Replacing existing inefficient air compressors with an efficient reciprocating or screw compressors
- Reduction of leakages

Energy and cost saving:

Details	Existing	Recommended
Compressed air system	5.5 kW X 2 units of old inefficient compressors	Energy efficient air compressors

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.