

Summary of Study: Air compressor in polymer unit: Unit-1

Industry : Polymer

Unit profile : A polymer unit located in Manesar (Haryana)

Technology : Operating practice improvements

Application : Energy savings in compressed air system

Year of investigation: 2023

Key features:

- Repairing of air dryer
- Improvement in piping network
- Reduction of leakages
- Installation of monitoring system



Energy and cost savings:

Details	Existing	Recommended
Compressed air system	45 kW X 1 unit 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.