

Summary of study: Air compressor in a pharmaceutical unit : Unit - 1

Industry : Pharmaceutical

Unit profile : A pharmaceutical unit (operates as a subsidiary of Pfizer Inc.) located in Chennai (Tamil Nadu) engaged in manufacturing of injectable formulations and active pharmaceutical ingredients (APIs).



Technology :

- Operating practice improvements

Application : Energy savings in compressed air system

Year of investigation : 2016

Key features:

- Reduction of leakages
- Potential adoption of IE4 motors

Energy and cost saving:

Details	Existing	Recommended
Compressed air system	Oil-free inverter screw compressor	-
Power savings (%)		Marginal energy savings

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.