Summary of study: Air compressor in an engineering unit: Unit - 1

Industry : Engineering

Unit profile : A unit located in Sriperumpudur (Tamil Nadu) engaged in production of engineering equipment and machinery

Technology :

- Invertor type screw compressor
- Operating practice improvements

Application : Energy savings in compressed air system

Year of investigation : 2016

Key features:

- Adopting inverter type screw compressor
- Reduction of leakages
- Improved ventilation for better suction air conditions
- Installing flow meter to monitor energy consumption

Energy and cost saving:

Details	Existing	Recommended
Compressed air system	75 kW rotary screw compressor	-
Input power (kW)	65.7	50.3
Power savings (%)		23

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.