

"PROMOTING ENERGY EFFICIENCY AND RENEWABLE ENERGY IN SELECTED MSME CLUSTERS IN INDIA"

To develop and promote a market environment for introducing energy efficiency and enhanced use of renewable energy technologies in process applications in the selected energy-intensive MSME clusters, United Nations Industrial Development Organization (UNIDO) in collaboration with Bureau of Energy Efficiency (BEE) is implementing a project titled "Promoting Energy Efficiency and Renewable Energy in selected MSME clusters in India" funded by Global Environment Facility (GEF) and co-financed by Ministry of Micro, Small and Medium Enterprises (MoMSME) and Ministry of New and Renewable Energy (MNRE).

Installation of energy efficient LED lighting in the shop floor

Objective

Reduce the energy consumption by lighting in the unit by installing energy efficient LED lights.

Implementation

Installed energy efficient LED lights in place of existing incandescent light bulbs, fluorescent tube lights and sodium vapour lamps in the unit. Lighting load in the unit has reduced to 2.538 kW from 10.275 kW.

Principle

LED lights are the most energy efficient lights compared to incandescent, CFL, fluorescent and sodium vapour lamps. They produce more lumens per watt compared to all other lights. They have longest average life span of 25,000 hours and also have a very good (80 to 98) colour rendering index.



Confederation of Indian Industry



Victor Forgings is a hand tools manufacturing unit established in year 1954 at Jalandhar. They manufacturevast range of spanners, wrenches, pliers, vices, hammers, automotive tools and carpentry tools.

Benefits

- **Reduced energy consumption** \geq
- Improved brightness in the shop floor \geq
- Longer life of the lights, less cost of ≻ replacement / maintenance



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Unit

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Cluster Leader

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PMU

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