

ZENITEX PVT. LTD.

Surat (Gujarat)

Unit Profile

Zenitex Pvt. Ltd. is a textile process and dyeing Industry under the leadership of Zenith Silk Mills. Zenitex is ISO 9001:2000, ISO 14001:2004 and OHSAS 18001:2007 certified company. Zenitex (Sachin) unit was established in the year 2003 in Sachin (GIDC) Surat.

Since 2007 Zenitex has taken exemplary measures in Energy Conservation and Environmental protection. Zenitex become the proud Recipient of the Best Industry Award 2009 (Quality and Environmental Protection) by Govt. of Gujarat. The Director of Zenitex Mr. Viral Desai won the National Award (2010) as an outstanding Entrepreneurship.



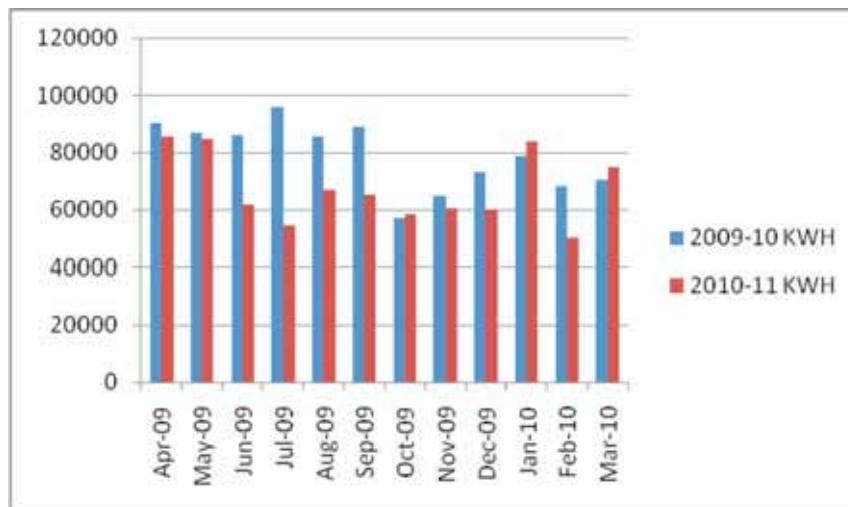
Energy Consumption

This year mill installed a brand new Energy Efficient Stenter with direct gas firing instead of radiators. It also installed Variable frequency drives for all motors and pumps thus saving the energy and wear and tear maintenance. A new high efficiency Steam boiler was also introduced.

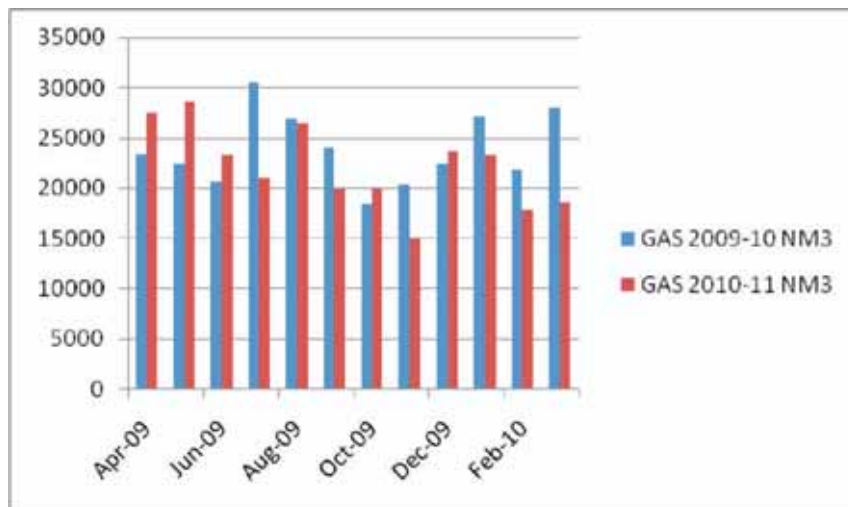
In last three years mill specific energy consumption figure are shown below, which depicts continual reduction in specific energy consumption over last two years due to plant's sustained efforts with the implementation of various energy conservation measures and ideas to increase efficiency of equipments.

The continuous implementation of various energy conservation measures being ongoing practice, there is steady decline of specific energy consumption.

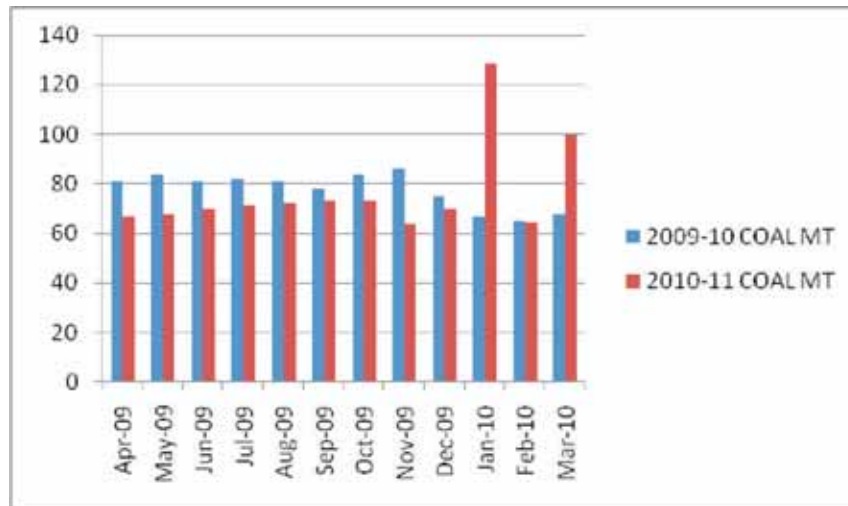
Electrical Consumption



Gas Consumption



Coal Consumption



Major Projects Implemented for Energy conservation at Zenitex.

Stenter Machine After Modification

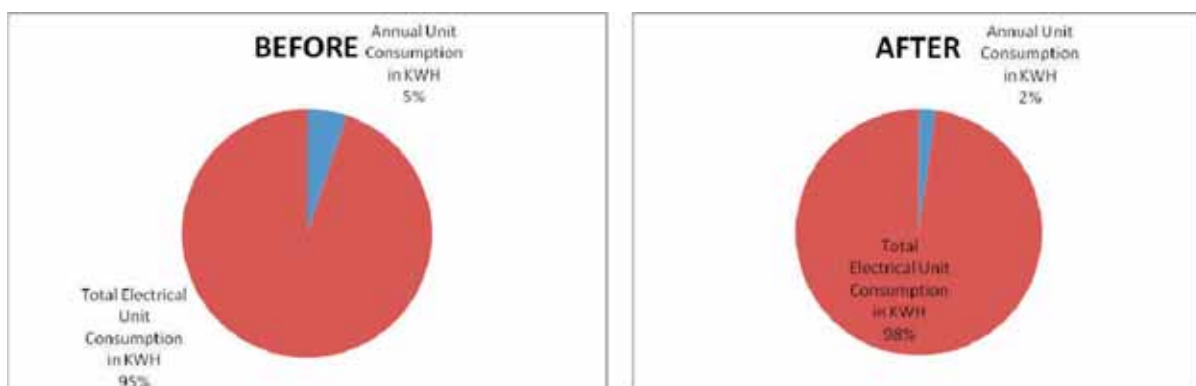
This year mill installed a brand new Energy Efficient Stenter with direct gas firing instead of radiators.

Measures :

Annual Savings in Rs. 17.069Lacs
Investment in Rs. 45Lacs
Simple Payback in Months 32

Stenter Machine Percentage kWh Consumption Compared To Total Annual Electricity Consumption

Stenter Machine Percentage kWh Consumption Compared To Total Annual Electricity Consumption



Windmill (Renewable Energy)

The mill has reduced carbon emissions and carbon print by investing in low carbon energy options such as renewable energy i.e. Windmill.

Insulation

At Zenitex mill has insulated all the Vessels (Jet, Drum, Boiler)
Mill also insulated all the steam lines including the exhausted de-pressure waste recovery steam lines and boiler feed water tank, APH, condensate recovery system and HRU.

Measures :

Annual Savings in Rs. 11.93 Lacs
Investment in Rs. 2.84 Lacs
Simple Payback in Months 2.86

Reuse DE pressure Steam of Drum Machine in Steam Boiler After Modification

Measures :

Annual Savings in Rs. 7.06 Lacs
Investment in Rs. 3.5 Lacs
Simple Payback in Months 5.95

VFD In Factory

Variable Frequency drives installed on all the machines and utilities in the factory. Due to installation of all the Energy Saving measures we have excess windmill based power generation compared to our units which are exempted.

Street Light

Special Metal Halide (70 W) lamps street lights were installed at Zenitex replacing Old mercury lamps

Polycarbonate Roof Sheets

Exclusive heat resistant, U.V. proof poly carbonate roof sheets installed at zenitex plant premises eliminate 200 No's of T5 tube light, CFL bulbs in the day hours.

The rest of the roof in the plant premises at zenitex cement roof sheets were replaced by galvanium (powder coated) sheets jindal profile providing more illumination

Factory Lighting

Measures :

Lighting Management and Replacement of conventional Tube light by T5 Tube lights.

Annual Savings in Rs. 1.97 Lacs

Investment in Rs. 1.02 Lacs

Simple Payback in Months 7.28

Compressor

30 Hp screw compressor is replaced by 20 HP reciprocating compressor with VFD

Measures :

Annual Savings in Rs. 3.79 Lacs

Investment in Rs. 2.25 Lacs

Simple Payback in Months 7.12

Condensate Water Collection After Modification

At Zenitex mill has installed float trap to collect condensate water

Measures :

Annual Savings in Rs. 5.12 Lacs

Investment in Rs. 2.00 Lacs

Simple Payback in Months 4.69

Environment Policy

Protection of environment is of prime concern and an important business objective at Zenitex. With a leading role in providing quality fabrics and services to our esteemed customers.

Zenitex is conscious of its responsibility towards creating, maintaining and ensuring a safe and clean environment for sustainable development.

In particular, Zenitex is committed to continually improve the EHS management and EHS performance by focusing on :

- Striving to go beyond legal compliance wherever applicable.
- Conserving natural resources like water, oil, wood and raw materials

- Reduce, recycle and reuse of wastes and its proper disposal.
- Reduce emissions to air.
- Reducing Incidents that relate to OH & S hazards.
- Follow a systematic approach to environmental management plan in order to achieve continual performance improvement.
- Conserve natural resources by their responsible and efficient use in all our operations.
- Plant trees, develop green belts and promote lush green surroundings at our manufacturing location to be in harmony with nature.
- Comply with relevant laws and regulations as well as take any additional measures considered necessary.
- Creating awareness in all employees on environmental issues.

This policy shall be communicated to all employees and shall be made available to the public on request.