Shrijee Wind Ventilator

Introduction to Shrijee Group

Established in 1975, the Shrijee Group is a privately held manufacturing company. We offer a wide range of products and services such as turnkey sugar projects, towers and substation structures, engineering spares, agricultural equipment, heavy fabrication, sundry galvanizing and wind-powered exhaust fans.

We have more than 175 people in our team, including 35 engineers and six MBAs. In addition to these, at any given time, we usually have 200-300 people working on our sites. We also have representatives in Vietnam, Thailand, Philippines, Iran, Syria and Ecuador.

Wind Ventilator Division

Shrijee introduced the 100% wind powered exhaust fan in India in 2001. We are the only IIT Mumbai certified wind ventilator manufacturer.

Over the last seven years we have installed more than 30,000 Shrijee Wind Ventilators for more than 500 satisfied customers all over India. Our estimates suggest that we have helped save more than 10,000 MWH of electrical energy annually. Our list of customers includes the best of Indian industry such as Crompton Greaves, Eicher Motors, Hero Honda, Hindalco, Hyundai Motor, ITC, Maruti Udyog, Parle Biscuits, Tata Motors and many others.

How does it work?

- Shrijee Wind Ventilators are placed on rooftops of industrial sheds
- Industrial activity generates heat and hot air being lighter moves upwards
- The lighter air get accumulated in the turbine of the Shrijee Wind Ventilator
- As the hot air tries to escape from the turbine, it exerts a backwards thrust on the vanes and sets them in a rotational movement
- This rotation also creates a suction, which pulls more hot air from the room into the turbine
- With the help of natural wind blowing over the rooftop, the RPM of the turbine increases
- This increases the discharge capacity of the Shrijee Wind ventilator
- As the hot air is thrown out, fresh air starts entering through windows and door openings
- The Shrijee Wind Ventilator thus generates continuous air circulation within the room resulting in cooler inside temperatures & discharge of foul smells
- Hygienic work conditions result in improved productivity

In January 2009
we won the EEPC India export award for outstanding export performance

In May 2008
We have received "High Performance Capability" and "High Financial Strength" ratings from D&B

In 2007 and 1998
we were recognized as an Export House by the Ministry of Commerce, Government of India

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Customer Testimonial

FROM HERO HONDA'S IN-HOUSE NEWSLETTER

In the absence of clean air, the human body will choke and contract several diseases. Hero Honda has always been at the forefront of protecting the environment. They have ensured that their motorcycles are as pollution free as possible. Hero Honda has planted a green forest in the memory of its former Director Late Shri Raman Kant. Hero Honda has also made significant contributions to progress in green regions. In keeping with this environmental friendly philosophy Hero Honda has taken a bold new step by employing new technology to ensure clean air. This new technology is the "Roof Wind Ventilator". This is a fan, which operates on the roof without consuming any electricity. The purpose of this roof wind ventilator is to conserve resources, reduce costs, enhance security and use natural renewable energy to protect the environment.

225 roof wind ventilators manufactured and installed by Shrijee have been installed at the roof of Hero Honda's Dharuheda factory's frame assembly (that is where the painting, welding, press and assembly are). Earlier, there were 105 exhaust fans running on electricity for normal wind circulation. These were removed and roof wind ventilators, which run on natural wind, were installed. By taking this step not only is energy conserved, but also electricity costs are reduced and the danger of fires due to short circuits is averted. It also reduces noise pollution on the shop floor. Further, there are no maintenance costs associated with these roof wind ventilators. There has been an initial cost of Rs. 10.63 lakhs to install these fans, which is not much.

Additional benefits are that these roof wind ventilators guarantee a 24 hour, 365 days a year, supply of air. If there is any foul smell in the atmosphere, these ventilators will ensure that the bad air is pumped out and healthy conditions are maintained. The roof wind ventilator works on the principle of difference in air pressure. The wind ventilator uses wind energy to pump hot air outside.

By installing these wind ventilators the company will benefit from a financial standpoint. Earlier, on only 105 exhaust fans, the company was spending Rs. 5,985 per day, which totaled to Rs. 1,49,625 per month. In comparison the cost of installing 225 roof wind ventilators is only Rs. 10.63 lakhs. And since there are no electricity costs associated with these fans, there will be savings of Rs. 1,49,625 every month. If we compare the cost of the roof wind ventilators, with the earlier costs of electricity, we find that the costs of the roof wind ventilators will be recovered in 7 months and 13 days.

- We have supplied 30,000+ Shrijee Wind Ventilators to more than 500 customer
- Our Shrijee Wind Ventilator customers include Crompton Greaves, Eicher Motors, Hero Honda, Hindalco, Hyundai Motor, ITC, Maruti Udyog, Parle Biscuits, Tata Motors
- Our internal estimate suggests an annual saving of 10,000 MWH electricity for our customers. This corresponds to approximately 8,000 MT of avoided CO_2 emission.

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