



Energy Solutions

> Case history

K C Fibres Ltd., Sonipat, Haryana

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Where

K C Fibres Ltd., Sonipat, India

What

Two 1160 kW gas gensets

Purpose

Opted for gas-based power generation to maximize utilization and save cost on power

Primary Choice Factors

To enjoy benefits of cogeneration, which converts exhaust gas into pressurized steam within the premises. This pressurized steam is used for operating the processing plant at K C Fibres Ltd.

Gas-based power generation system recommended by Cummins helps K C Fibres Ltd. save cost on power

HARYANA, INDIA – For years, K C Fibres Ltd. located at Sonipat in Haryana has been dealing in textiles and is engaged in the manufacture of cotton yarn. All these years, the Company had been depending on diesel gensets from Cummins to provide reliable and continuous power.

Very recently, this industrial belt started receiving natural gas supply through pipe lines. This new development witnessed in the area prompted the Energy Solutions Business of Cummins Power Generation to advise Mr. Rajeev Goyal, Director, K C Fibres Ltd., to opt for gas-based power generation as this would maximize utilization, save cost on power and utilize engine exhaust gases to generate steam, thereby, resulting in additional cost benefits.

In order to fulfill the customer's power and steam requirement, the Energy Solutions Business team along with a representative of channel partner, Sudhir Gensets Ltd. commissioned the first QSK-60-G, 1160 KW gas genset, on August 18, 2005, at the premises of K C Fibres Ltd.



Textile machines at K C Fibres Ltd. operate continuously on the power plant developed by Cummins Power Generation



Exhaust Waste Heat Recovery system installed on Cummins gas based power plant to produce steam for the processing plant at K C Fibres Ltd.

All these years the customer was incurring a high cost to generate pressurized steam which was required for operating the processing plant. However, ever since the installation of Cummins natural gas genset, the customer is enjoying added cost benefit due to generation of exhaust gases from cogeneration.

The boiler uses exhaust waste gas to generate pressurized steam within the customer's premises, thereby, providing additional savings to the customer. Post the successful commissioning of the first Cummins genset, the customer placed an order for a second genset which has also been installed successfully. Currently both gas gensets have completed more than 7500 hours of operations.



"We are delighted with the results of the new power plant system and its overall performance. The system has gone a long way in helping us save up to 71% power cost and utilize the readily and easily available natural gas. The support provided by Cummins during the engineering of the power plant, and its erection, installation, commissioning and operation is highly recommended."

**- Rajeev Goyal,
Director - K C Fibres Ltd.**

Installation of the two gas gensets on the premises of K C Fibres Ltd. is the first instance of a gas genset in this area and therefore, as the first and only supplier of a gas genset, Cummins marketing team had to deal with the challenge of entering this specific market and convincing the customer on the benefits of cogeneration.

The guarantee offered on the project includes various benefits arising from the integration of cogeneration.

The major cost benefit enjoyed due to cogeneration and the support extended during and after order placement has made the Company consider similar Cummins installations at its sister concerns.

Unmatched product design using Cummins' state-of-the-art technology, coupled with the largest customer support network in the country, ensures SINGLE SOURCE POWER ASSURANCE to customers. Little wonder then, that for over four decades Cummins has been a leading player in power generation technology in India.

Cummins Power Generation is a world leader in the design and manufacture of power generation solutions for a wide variety of standby and prime power applications. For further information on on-site distributed generation of power, contact your local Cummins dealer.

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