

Rahim Energy Ltd. (REL)



Total Renewable and
Energy Efficiency Solutions

PROJECT SUMMARY

Project Type: COGENERATION

Commissioning Date: December 2017

Company Overview:

Company Overview: Rahim Energy Ltd. (REL) is a Rahim Group company. From its modest beginning in 1958, Rahim Group has today grown into one of the leading steel manufacturers of Bangladesh. Rahim Group spans 100 acres of land at Kachpur, Bangladesh, with a dedicated team of over 3500 employees & 7 industries.

Gas Gensets details:

MWM TCG2032V16 X 8 units with 3,876 KWe.
Wartsila W20V34SG X 3 units with 9,730 KWe.
Total capacity of the plant is 60,198 KWe.

WHRB Details:

ENMAX 2309 kg/hr X 8 units
ENMAX 4403 kg/hr x 3 units

STG Details:

Triveni 5,800 KWe.

TECHNICAL SUMMARY

This 60,198 kWe power plant was wasting 332,162 kg/hr of exhaust gas with 451°C into the surrounding environment. After adding the Waste Heat Recovery Boilers and Steam Turbine Generator, the plant facilitated and generated an additional 5,800 kWe. The efficiency of the power plant increased from 43.53% to 66.87%. Within twelve months of a partnership between Rahim Energy Ltd (REL) and Kaltimex Energy, this state-of-the-art cogeneration power plant was up and running. The total capacity of the power plant is 65,998 KWe that is synchronized with Bangladesh's national grid. REL is supplying some of the power to its sister concern Rahim Steel Mills Ltd., and the rest of the energy is then sold to the national grid.



CONTACT US

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