

Apex Textile Printing Mills Limited



Total Power Solutions

KALTIMEX ENERGY
 BANGLADESH (PVT.) LTD.

PROJECT SUMMARY

Project Type:

HVAC (VAPOR Absorption Machine & Central Cooling System)

Commissioning Date: October 2022

Company Overview:

Garments Industry

Location:

Kaliakoir, Gazipur, Bangladesh

Equipment details:

2x496 TR Vapor Absorption Machine (Exhaust & Hot Water Fired). Total Plant Capacity 992 TR.

HVAC System using VAM:

Central cooling system of corporate office building using Vapor Absorption Machine which saves 992TR equivalent electrical consumption.

TECHNICAL SUMMARY

Brief of Implemented Project:

KEBD designed the central cooling system for the corporate office floor using the exhaust & hot water from the Gas Generators. The 800 TR Vapor Absorption Machine was designed with an outlet temperature of 7°C and then using FCU in the floor, the total area was centrally cooled & controlled temperature as per human comfort.

Effect of this implementation:

The client was planning to install Electrical Chillers for this floor. This modification saved them the electricity that is required for operating the electrical chillers.



Yearly Savings

Electric Chiller Power Consumption Saving (Excluding Parasitic Load), Kw	694
Yearly Operating Hour (Avg.)	8000
Yearly Electric Power Saving, kW-Hr.	5555200
Electric Power Price per kW-Hr, in USD	0.090
Yearly Savings, in USD	499,968

CONTACT US

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