

ENERGY SAVINGS AND ENVIRONMENT PROTECTION PROJECTS



Project Name:
Installation of Lighting Energy Saver for Lighting Load.

Investments: Rs. 30000

Savings: 120 KWH/day

Year: 2005



Project Name:
Interconnection of centralized vacuum machines & putting of one vacuum machine 45 kW of load completely.

Investment: In house

Savings: 1080 KWH/day

Year: 2005



Project Name:
Increase in Nitrogen generation of Plant from 3400 Nm³ to 6000 Nm³ by use of Six Sigma Tools.

Investment: Zero

Savings: Rs. 40,000/day

Year: 2007



Project Name:
Optimising/Sizing various pumps

Investments: In-house

Savings: 1754 KWH/day

Year: 2005



Project Name:
Engine Cooling Load shifted from Radiators fans to PHE(PHE on cooling tower) and radiators switched off

Investments: Rs 550000

Savings: 600KWH/day , HFO 26 Tons per annum

Year: 2006



Project Name:
Hot water booster pump at HWF#01/02 stopped & provide spool piece

Investments: Rs.30000

Savings: 1650 KWH/day

Year: 2007



Project Name:

Conversion of Auxiliary boiler to HFO fuel from Diesel.

Savings: 8000 KWH/day

Year: 2006



Project Name:

Recovery of hot condensate from CPP steam heaters and utilised it for boiler makeup.

Investment: Inhouse piping

Savings: 5000 L of Hot water 97 degree

Year: 2006



Project Name:

Utilisation of Spare boiler to recover maximum possible heat from Exhaust gas.

Savings: Excess steam generation of 21 Tons per day resulting in saving of 8000 KWH/day

Year: 2006

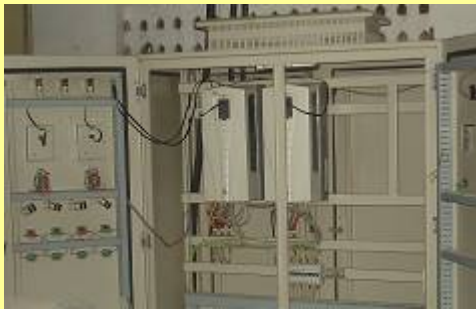


Project Name:
Installation of Cloud Chamber Spray Scrubber for better scrubbing of gases and Environment protection

Investment: 60000000

Savings: Environment impact

Year: 2007



Project Name:
Installation of variable frequency drives on various applications like Air handling Units, ID fans, Roots Blower, Centrifugal fans, Pumps, Cooling tower fans

Investments: NA

Savings:

Year: 2004/2005/2006



Project Name:
Shifting hydrogen electrolytic Cell Cooling Load from Chilled water to Cooling tower with the modification in PHE circuit.

Investments: Rs. 150000

Savings: 4000 KWH/day

Year: 2006



Project Name:
**Optimising Coil ID and installing
Glass insulation in Induction furnace.**

Investments: 900000

Savings: 2240 KWH/day



Project Name:
**10 Draw Tower Line speed
increased from 1000 meter/min to
1300 metre/minute and 6 Draw
Tower from 600 to 1000 mtr/min
by changing to High speed Dies**

Investment: 6000000

Savings: 7000 KWH/day

Year: 2006 -07



Project Name:
**Installation of VFD on Cooling
Tower fan of Captive Power
Plant**

Savings: 288 KWH/day

Year: 2005