

Department : **Mechanical**

Year : **2014-2015**

Group No: **28**

Guided By

PROF. A. G. BARAD

SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA

Project Title

ENERGY MANAGEMENT AT KOHINOOR PRODUCT

Abstract:

After surveying the industry we found many problems involving the heat losses at pipes, leakages, not insulated drums etc. ENERGY MANAGEMENT can be done in that industry. So we are taking information about amount of fuel used, electricity, water and various other information regarding the boiler efficiency. So after getting the information we selected a project that can solved many problem of that industry.

Firstly we taking the dimension of pipes used for steam flow. After that we realized that the heat losses may be decreased and efficiency will increased. So regarding that we were taking detailed analyses of the project. After taking readings at different 15 points and at different time (from 9:00am-2:00pm) with the use of thermocouple and controller. The temperature difference can be measured so there should be some losses in the pipes when steam is flowing.

The insulation can be reduced the heat losses and increased the efficiency directly of the plant. We were taking the reading between two points after insulating them and then if temperature difference is higher than we were insulating the whole uninsulated pipes to increase the plant and boiler efficiency. So plan take less input and give more output.

Prepared By:

Sr. No.	Student Name	Enrollment No
1	JAY R. PATEL	110780119120
2	VIKAS K. PATEL	110780119041
3	DARSHAN P. PATEL	110780119065
4	RIYA K. PATEL	110780119049

