

## **Barriers for energy Efficiency**

**Title:**

Co-operation during the field study of the audit

**Category:**

Energy Audit Work in the field

**Industry:**

Brewery

**Summary:**

The success of the energy audit is purely dependent on the co-operation in the plant at various levels who are directly or indirectly involved in consumption of the energy. If there is absence of the co-operation from the plant side during the field study, then the energy audit will not be effective.

**Back ground:**

In this particular brewery, the utility manager who controls the generation side of steam, compressed air, refrigeration power from DG sets was very much interested in going for a detailed energy audit. In this process he involved a team from a leading audit firm to conduct the study.

As a part of the energy audit study, the field study was carried out

- ☞ to generate the data (by using portable instruments),
- ☞ discuss with energy users in any form,
- ☞ observing operating practices,
- ☞ obtain the data from the process with relation to utilization and operating hours,
- ☞ identifying the energy saving potential in individual section,
- ☞ Discuss the ideas generated preliminarily

It was observed there was very little co-operation from all the energy users and obtaining the particulars pertaining to the above became very difficult. Hence the study was concentrated more on the generation side in comparison to the user areas. The audit team was able to identify few significant saving measures for the plant.

Even the co-ordinator was also very apologetic about the attitude of the energy users. He was very optimistic about the implementation of the audit findings. The audit team felt that at least some measures would be implemented.

After six months, when the team contacted the plant to know about the implementation status, the telephone operator mentioned that the concerned co-ordinator had left the job. Then the operator transferred the call to the new utility manager. Surprisingly, the new utility manager did not even know about the energy audit carried out earlier in that plant and in fact, he also wanted

to get an energy audit conducted in the plant. This indicated the complete lack of commitment and poor motivation of various groups in the plant about energy conservation.

**Lesson learnt:**

Motivation to save energy in any plant should come from all the levels of the plant. It is a group responsibility and does not belong to one person.