

**Weekend Programme on**

# **BOILERS AND EFFICIENT USE OF STEAM**



**07-08<sup>th</sup> April 2012**

**The Residency Towers,  
Chennai**



**INDIAN INSTITUTE OF ENERGY MANAGEMENT**  
New No.17, Old No.9, First Crescent Park Road, Gandhi Nagar,  
Adyar, Chennai – 600 020

## **INTRODUCTION**

Efficiency of boilers varies widely from plant to plant and mainly depends on the initial selection, operation and maintenance. With the ever increasing energy costs, even a small improvement in efficiency leads to huge savings. Such potential exists in almost all the plants and it can be achieved by adopting best practices and controls. More than the boiler, its output, the steam, if utilized rationally can bring down the steam consumption yielding further reduction in fuel costs. IEM's experiences indicate that up to 30% cost reduction possibilities exist in the area of boiler and steam system alone.

## **OBJECTIVE**

At the end of the programme, participants will be able to:

- ✓ Acquire practical energy auditing skills in boiler and steam systems
- ✓ Update knowledge on energy saving tips
- ✓ Develop competency in implementing energy saving measures

## **METHODOLOGY**

- |                    |                |
|--------------------|----------------|
| ● Lectures         | ● Discussions  |
| ● Multimedia Tools | ● Case studies |

### WHO SHOULD ATTEND

Managers, Engineers and Supervisors from utilities, maintenance, production & projects and Professors/ Lectures from Institutions.

### COURSE FEE

The course fee contribution is Rs.9,000 per participant, which includes course kit, knowledge CD, working lunch and refreshments.

### PROGRAMME SCHEDULE

- ❖ Energy audit in boiler and steam systems
- ❖ Fuel properties and combustion: Coal, Oil & Agro fuels
- ❖ Boiler types and selection criteria
- ❖ Efficiency evaluation and improvement of boilers
- ❖ Steam basics and applications
- ❖ Efficient utilization of steam
- ❖ Steam traps: Selection, Operation and Maintenance
- ❖ Condensate and flash steam recovery systems
- ❖ Steam pipe sizing and effective insulation
- ❖ Energy savings in boiler auxiliaries: Pumps, fans, etc.
- ❖ Success case studies
- ❖ Exercises and group discussions

### REGISTRATION

The course fee contribution by D.D / Cheque drawn in favour of **Indian Institute of Energy Management**, Chennai along with the nominations may be sent to :

**The Director (Training)**  
**Indian Institute of Energy Management**  
New No.17, Old No.9, First Crescent Park Road  
Gandhi Nagar, Adyar, Chennai – 600 020  
Ph : 044-24421542, 24424437, 24425152  
Fax : 044-24421543  
E-mail : energy@iiemindia.org

### LAST DATE FOR REGISTRATION

2<sup>nd</sup> April 2012

### ABOUT IIEM

Indian Institute of Energy Management (IIEM) is a consortium of Professionals, Industry Experts and Academicians of eminence. The main objective of IIEM is to provide services to the industry in the fields of energy, environment, maintenance and safety. In addition, to provide multiplier effect of the institute's objectives, regular training programmes are held to disseminate information and upgrade knowledge of industry personnel. The training is imparted through specialists with vast experience through a well structured programme which would bring out in the participant creativity, innovation and excellence. The institute also takes up in-house training and awareness programmes to benefit a larger cross section.

**THE FUTURE IS UNKNOWN  
BUT THE TOOLS TO TACKLE THE FUTURE...  
IS IN OUR HANDS ALONE - CHANAKYA**