

# ENERGY CONSERVATION IN INDIAN INDUSTRY

## Orientation Program

Saturday, December 4, 2004

### About the Organisers : IMCI and MKRC

The Institute of Management Consultants of India (IMCI) is the apex body of management consulting professionals, being the only registered institute of established management consultancy firms and practising individuals in the country. IMCI is a member of the International Council of Management Consulting Institutes (ICMCI), the global apex body of Management Consulting Institutes. IMCI has regional Chapters in eight cities all over the country, with the Executive Secretariat at Mumbai.

The Chennai Regional Chapter of IMCI is organising this workshop, in association with MKRC (M K Raju Consultants Private Limited, Chennai), a leading management consultancy organisation of 30 years' standing. MKRC provides personalised integrated management services and assisted about 500 clients in India and abroad, to improve their operating efficiency and profits. MKRC are pioneers in energy conservation in India, having acquired technology from DuPont, USA and offering energy management services to the Indian Industry since 1985.

### Introduction

The increased focus on 'Energy Conservation in Indian Industry' at the National level is evident, given the range of activities/ programs that have been recently launched : Mandatory energy audit in specified industries in states such as Tamil Nadu, Kerala, West Bengal, Energy Conservation Act 2001 requiring Statutory Energy Managers/ Auditors, Establishment of the Bureau of Energy Efficiency, Awards for energy conservation, etc.

The need for energy conservation, in the light of the increasing oil prices, cannot be over emphasised, given that energy forms a significant cost of production in the manufacturing sector.

While there have been some specific instances of outstanding success in achieving energy savings, the overall impact of these measures on energy conservation at the national level has been far from satisfactory.

### Program Objectives

The primary objective of this workshop is to provide inputs on the managerial aspects of a systematic energy management activity, for Energy Managers and technical persons of industrial units. The program would enable individual units organise energy audits, not only for statutory compliance, but also to maximise energy savings by identifying plant wide energy cost reduction opportunities, making best use of the external consultants, as necessary.

### The Program will project the following:-

- Highlight areas where significant energy savings have been achieved, in thermal, electrical and utilities areas, in the Indian Industry so as to enthuse the technical personnel to take the initiative on their own.
- Focus on the right attitude required to accelerate the pace of implementation of energy savings.
- Acquaint the technical personnel with the basis of energy costing, method of quantification of savings, and monitoring of progress daily, weekly and monthly.

The program is divided into the following four sessions :

#### SESSION I : WHY ENERGY SAVINGS ?

- Improving profits through Energy Conservation.
- The role of management.
- Projected energy savings potential in each unit with national and international comparisons.
- Energy study and maximising benefit of statutory energy audit.

#### SESSION II : IDENTIFICATION OF ENERGY EFFICIENCY POTENTIAL

- Identification of the opportunities of energy conservation. Typical savings proposals, with capital equipment required, in the thermal, electrical and utilities areas.
- Indian case studies will be presented to enable technical personnel recognise the savings opportunities in their own plants.
- Selection and evaluation of external auditors / consultants.
- Energy costing & savings quantification : How to quantify savings daily, weekly and monthly, along with the relevant monitoring formats.
- Monitoring & verification of Savings : Monitor progress against targets.
- On line monitoring and control.

#### SESSION III : SUCCESS STORIES IN ENERGY CONSERVATION IN INDIAN INDUSTRY

- Live Case studies of Success stories of energy savings will be presented.
- An Integrated Approach to plant wide Energy Savings.
- Pro-active role of the Customer, Vendor and Consultant, to work together to accelerate the pace of progress and achieve energy savings.

#### SESSION IV : CONCLUDING SESSION

- An action plan-highlighting department wise "Company Wide Energy Conservation Program" with a target and time schedule.
- Sum Up.

IMCI and MKRC have jointly organised this orientation program, which provides a 'down-to-earth' sharing of experiences to make things happen and is not intended to be an academic exercise. This is highly relevant in the context of the tempo India is building to save energy in the industrial sector.

- Live Indian case studies, of success stories in energy conservation will be presented. The program will provide a forum to assess the progress achieved by other companies and build rapport amongst the technical executives.
- Technical executives, Plant Managers, Energy Managers/ Co-ordinators, Production Engineers, Electrical & Maintenance Engineers, will find the program beneficial.
- This one day workshop is non-residential and participation is by invitation only. A nominal fee of **Rs.1000/- (Rs one thousand only) per participant** will be charged, to defray partial cost of the program for presentations, lunch and tea/coffee.
- Participation by a two or three member team, representing thermal, electrical and management areas will be most effective.

As the number of persons for the workshop is restricted to enable more effective participation, your early confirmation with the nominations would be much appreciated.

**Program Date :** Saturday, December 4, 2004  
**Venue :** Hotel Savera, Mylapore, Chennai 4  
**Schedule :** Registration : 8.45 am,  
Sessions : 9.30 am to 5 pm, Lunch : 1 to 2 pm  
**Participant Fee :** Rs.1000/- (non-residential) per participant  
**Payment by :** Bank draft / cheque payable at Chennai,  
favouring 'IMCI-Chennai Chapter'

Kindly return the enclosed Nomination Form duly filled-in, together with the payment of fee, to either IMCI-Chennai or MKRC:

**The Institute of Management  
Consultants of India - Chennai Chapter**

'Meticulous House' 1541, J Block  
16<sup>th</sup> Main Road, 13<sup>th</sup> Street,  
Anna Nagar, Chennai 600 040  
Ph: 2642 4310, 2616 4406 Fax: 2642 4340  
E-Mail: meticulo@md2.vsnl.net.in

**M K Raju Consultants  
Private Limited**

16 Srinagar Colony Temple Avenue  
Chennai 600 015  
Ph: 2235 1151, 2235 2491  
Fax : (044) 2235 1070  
E-Mail : mkrajuconsultants@vsnl.com

## ENERGY CONSERVATION IN INDIAN INDUSTRY

### Orientation Program

Saturday, December 4, 2004

at Hotel Savera

Dr Radhakrishnan Road, Mylapore, Chennai 600 004

Organised by



THE INSTITUTE OF MANAGEMENT  
CONSULTANTS OF INDIA  
- CHENNAI CHAPTER

In Association with :



M K RAJU CONSULTANTS  
PRIVATE LIMITED  
Chennai

## ENERGY CONSERVATION IN INDIAN INDUSTRY

### Orientation Program

Saturday, December 4, 2004 : Chennai

### NOMINATION FORM

We have pleasure in nominating the following executive(s) to attend the Orientation Program :

	Name	Designation
1		
2		
3		

Our Cheque / Bank Draft No. \_\_\_\_\_ dated \_\_\_\_\_ for Rs. \_\_\_\_\_ (@ Rs.1000/- per participant), payable at Chennai, favouring 'IMCI-Chennai Chapter' is enclosed.

Signature & Stamp of  
Nominating Authority :

Name &  
Designation :  
Organisation :  
Address :

Phone: \_\_\_\_\_ Fax : \_\_\_\_\_  
E-Mail : \_\_\_\_\_

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