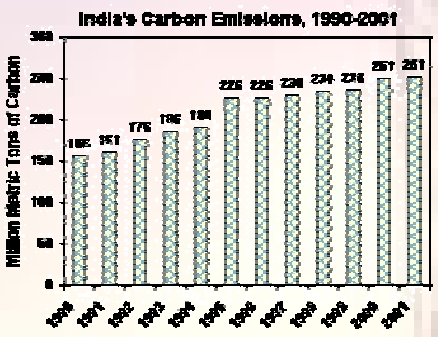
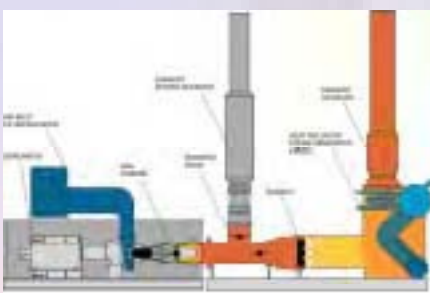
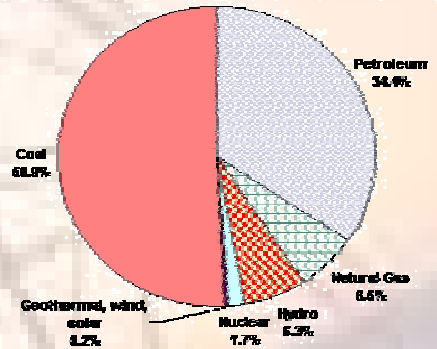




*All India*  
**Energy Efficiency  
 Capacity Building Program**  
 14<sup>th</sup> - 18<sup>th</sup> Feb 2005 (5 days)



**India's Fuel Share of Energy Consumption, 2001 (Btu)**



Venue: PHD House, Siri Institutional Area, New Delhi

Organized by



PHD Chamber of Commerce  
 and Industry New Delhi

IRG Systems South Asia  
 Pvt. Ltd., New Delhi

## World Bank / IREDA's All India Energy Efficiency Capacity Building Program

### **Introduction**

Energy is a major cost component for organizations across various sectors of economy. Organizations – Industries, Public utilities, Commercial Buildings and establishments, which are large consumers of energy, can accrue substantial savings in energy bills by adopting Energy Efficient (EE) Technologies and systems in their plants, processes and facilities. Energy efficient technologies would (1) improve their commercial competitiveness, (2) help them to align with green supply chain norms of major international markets, (3) enable corporates & public institutions to discharge their responsibility towards resource conservation and environmental objectives.



IREDA is operating a World Bank Line of Credit to finance projects in Energy Efficiency & Conservation sector, under the 'India: Second Renewable Energy Project'. Specialized Training Programs / Workshops for Personnel at middle and top management level of major energy consumer organizations is one of the activity identified under the above Technical Assistance.

### **Training Program Managed by IRGSSA**



IREDA has commissioned IRG Systems South Asia Pvt. Ltd. (IRGSSA) to conduct above training workshops on all India level for senior and middle management of major energy user organizations, from several end use sectors. Different sectors targeted for this program are (1) Industry sectors like – Cement, Pulp & Paper, Chemicals, Steel, Pharmaceuticals, other large energy users etc (2) Commercial Sectors – Hotels, Airports, Shopping Malls etc (3) Public Utilities – Public Street Lighting and Public Water Pumping. The Delhi program is being organized in association with Energy Management Cell of PHD Chamber of commerce & Industry, New Delhi

## Objectives of Training Program

Attend this program to:

- Get update on new technologies, services relevant to the sector
- Learn about several cost saving opportunities, through energy efficiency, in your industry, plant, facility.
- Know best practices, case studies in your sector through industry leaders
- Learn about new funding mechanisms, financing structures and to develop bankable energy efficiency projects.
- Keep abreast with new equipments provided by Equipment manufacturers.
- Come up with new project ideas at the end of the workshops, for bankable projects specific to their process / facility for qualifying for funding from IREDA, other financial institutions who fund energy efficiency projects.



## Who Should Attend

Senior, middle management of organizations/ industries / establishments that have energy as one of the key cost components and would like to manage it to gain competitive advantage should attend this training workshop.

Target Audience –

- Directors, CEOs, COO, Chief Financial Officers, General Managers, Business Owners,
- Head of Plant Engineering / Facilities / Process,
- Head of a section of facility / process / plant
- Energy Managers, Supervisors etc



## Training Program Schedule, Venue

Date: 14<sup>th</sup> Feb'2005 to 18<sup>th</sup> Feb 2005 (5 days)

Timings: 9:30 AM to 5:00 PM

Venue: PHD House, 4/2 Siri Institutional area, August Kranti Marg, New Delhi – 110 016

## **Program Content \***

Training program content includes technical modules, financial modules and interactive sessions as per following agenda.

### **Day 1 & 2 Agenda**

- Inaugural, Policy, Regulatory, Institutional, industry initiatives
- Energy Efficiency opportunities in Thermal and Mechanical systems in Industry including Steam generation & utilization, Waste Heat Recovery, Cogeneration, Compressed Air, Pumping systems, HVAC & Industrial Refrigeration, etc

### **Day 3 Agenda**

- EE Opportunities in Electrical systems, Controls & Instrumentation, DG sets, captive power generation systems, EE motors, Drives, Transformers, in Industry.

### **Day 4 Agenda**

- EE implementation – Experience sharing vis a vis participants' specific facilities and interactive sessions.

### **Day 5 Agenda**

- Financing opportunities – Financial mechanisms by World Bank, IREDA, several FIs & case studies.

## **Faculty from amongst \***

- Dignitaries and key Policy makers
- From amongst key technology providers like BHEL, THERMAX, Voltas, Blue Star, Carrier, Trane, Kirloskar, KSB, ESCOs, etc
- From amongst key technology providers like ABB, BHEL, Cummins, Wartsila NSD, GE, Johnson Controls, Honeywell, ESCOs etc
- Key Energy consultants, auditors, instrumentation companies, project developers, and end users.
- IREDA, leading FIs and Banks like ICICI, IDBI, SBI etc

## **Program Fee and certification**

- No Participation fee (free of cost)
- Nominations by Managing Director, Plant Head, and concerned Head only would be accepted.
- Participants who attend the training program for full five days would be issued certificate.
- Program is non-residential training program and includes the training sessions, course material, lunch, tea.
- No boarding, lodging, travel, conveyance expenses would be provided or reimbursed to the attend the program. If required, participants would have to arrange their boarding, lodging, travel and conveyance, at their own cost.

## Registration

Last date of receiving nomination is 7<sup>th</sup> Feb 2005. Organizations may nominate their suitable people for participation. IRGSSA reserves the right to select participants from the nominations received. Nominations may be sent in the nomination form to:

**Anil Sachdeva (98998- 66117) / Amit Jain (98112-95055)**

### **IRG Systems South Asia Pvt. Ltd.**

K-71, 1<sup>st</sup> Floor, Hauz Khas Enclave, New Delhi – 110 016

Tel.: +91-11-5175 9510 / 11 /12 / 13

Fax: +91-11-5175 9514

E-mail: [anil@irgindia.com](mailto:anil@irgindia.com)

URL: <http://www.irgssa.com> or <http://www.irgindia.com>

Or

**Rahul K Singh (98119-16400) / B Baral**

### **PHD Chamber of Commerce and Industry**

PHD House, 4/2 Siri Institutional Area, August Kranti Marg, New Delhi – 110 016

Tel: 26863801-04, 26568392 ; extension 237

Fax: 91-11-26863135, 26568392

Email: [rahul@phdccimail.com](mailto:rahul@phdccimail.com); [www.phdccimail.com](http://www.phdccimail.com)

Subject to confirmation

About:

IRG Systems South Asia Pvt Ltd, IRG-SSA), a subsidiary of the IRG, Washington DC, USA, provide technical assistance in environment, energy, natural resources, in the South Asian region, having executed several projects for a diverse set of clients such as multilateral / bilateral agencies, private sector multinational companies, industry associations, and NGOs. For details, please log onto <http://www.irgindia.com>

PHDCCI/Energy Management Cell: Energy Management Cell of PHD Chamber of commerce & Industry has conducted more than 260 energy audits in different Industrial & Commercial sectors since 1989. For details please log onto <http://www.phdccimail.com>.