

## **Announcement & Invitation**

Council of Power Utilities (CPU) & India Core in Association with World Council of Power Utilities, & Association of Energy Supply Industry (AESI) are organizing an International Conference "Thermal Power India-4" to be held at Silver Oak India Habitat New Delhi on 28<sup>th</sup> & 29<sup>th</sup> January 2010 at Silver Oak India Habitat Center New Delhi , (INDIA)

We have the pleasure of extending cordial invitation to individuals and organizations associated with the power sector, generation companies, planners, electricity regulators, private and public sector utilities, investors, consultants, technologists, environmentalist, specialists in the academies and manufacturers of power equipment all over the world to participate in the conference.

## **Power Generation Scenario**

Coal including Lignite is the dominant fuel for India's thermal power generation followed by Gas and Oil in that order. Coal based generation forms nearly 2/3<sup>rds</sup> of the total electricity produced. India's heavy dependence on coal is likely to continue into the future also.

India's present (November 2008) power generation capacity is 146903 MW out of which 92893 MW is thermal, 36648 MW is Hydro, 4120 MW is Nuclear and 13242 MW is renewable energy sources. India has a capacity addition plan to add 11061 MW during 2008,09 comprising Thermal 9304 MW, Hydro 1097 MW and Nuclear 660 MW and during XI Five year Plan Govt. of India's programme is to add 78,700 MW. This includes 59693 MW capacity requiring a substantial investment The Nuclear Power is also likely to be a major contributor to the development of the country and a special session on this important sector is very significant.

## **Objectives**

- Sharing of experiences of major manufacturers of power plant associated equipment engineering consultants, academicians, environmentalists and leading utilities in the world in the area of eco-friendly power generation, water resources development and environmental concerns transcend in the local / regional ambit and have global consequences the most important of them being emission of green house gases.
- Discussions regarding technological advancement that are taking place in power industry and other subjects in the areas of improved efficiency and environment.
- Developing close working relationship between experts from users and developers of power units and all other concerned for future consultations, assessment of problems and for finding out remedial solutions.

## **Proposed Conference Structure**

The Conference is structured to have 7 technical sessions & one Inaugural session spread over two days. A tentative structure of 7 technical sessions is given below:

### **1. Power Scenario & Future Strategies**

- National electricity Policy and availability of reliable affordable and Environment friendly energy for all
- Power development keeping proper Hydro Thermal mix
- Reducing import dependence for energy security
- Conventional advanced and renewable technologies

### **2. Present & Future Technologies for Thermal Power Generation**

- Fluidized bed combustion technology
- Steam turbine design development for high efficiency power plants with supercritical inlet steam conditions
- Ultra supercritical power plants
- Heat recovery operation in parallel combined cycle power plants
- Combined cycle technology for performance improvement opportunities
- Gas turbines and their role in meeting future power demands in India
- Coal fired supercritical boiler with vertical furnace water wall

### **3. Clean coal & Renewable Technology for Green Power & Nuclear Power Generation - for more efficient thermal generation**

- Clean coal technology for Green Power
- IGCC Power Plants
- Two shift operation and combined cycle power station
- Nuclear Power Generation

### **4. Fossil Fuel, Hydro Carbon for thermal power development**

- Fuels of future for thermal generation for sustainable Energy availability, Coal, Lignite & Gas
- Management and use of coal for combustion
- Fuel supply management and monitoring system
- Advanced pulverized coal fired power plants- Present status and future prospects
- Coal Transportation
- Logistic Challenges & Fuel

### **5. Renovation, Modernization & Life Extentation of Thermal Plants & Introduction of I T in O & M**

- Turbine and Generator
- Boiler and its auxiliary
- Residual Life Assessment, Uprating
- Renovation and Modernization of Old Power Plants
- Operation and Maintenance Philosophy to Improve Availability
- Role of IT for automation & Performance Enhancement

### **6. Environment Preservation**

- **Environment & Ecological aspects (CDM, Carbon trading , Kyoto Protocol)**
- Environment Management & enhancement for Sustainable Development
- Renewable Energy Sources Solar, Wind & Ocean etc & sustainable development
- Regulation and strategy for environment Preservation
- Energy Conservation,
  - Clean Energy Sources – Present & Future
  - Technological Advancement in Conventional & Non –Conventional Sources of Energy and their Impact on Environment
- A forestation & Management of Green Belt
- Environmental Impact Assessment
- Success Stories & Case Studies

### **7. Organization & Personnel & Financial and Contractual Aspects of Power Supply**

- Organizational and Managerial restructuring
- Personnal development, performance evaluation and promotion
- Decentralisation of Responsibilities with Authority and Accountability
- Financial and physical bottlenecks & suggestions.
- Project Financing
- Proper Techno-economic Appraisal
- Development of a Multi Year Tariff (MYT) frame work
- Power Market Development

- Energy Laws (National & International)
- National & International arbitration

**The Council has already organized following two major International Conferences on Thermal Power India which were well received:**

- 1st International Conference on “Future Strategies And Technologies for development of Thermal Power” on 14-17 December 1999 at New Delhi
- 2<sup>nd</sup> International Conference on (Coal, Gas, Oil & Nuclear) “Present Status, Technology Development, Future Prospects & Strategies” on 11-12 December 2007
- 3<sup>rd</sup> International conference Thermal Power-3 “Present & Future Technologies-Prospects & strategies for Sustainable Development on 19<sup>th</sup> & 20<sup>th</sup> Feb., 2009

### ***Call for Papers***

Full-length papers (in about 5000 words) in English on topics mentioned above, in MS Word (suitable for windows) are invited for presentation in the conference. The accepted papers will be printed in the proceedings for circulation to the participants. Please also send two passport size photographs and a brief resume along with your paper.

### **CUT OFF DATES:**

|                                 |                |
|---------------------------------|----------------|
| Intent for submission of paper  | 15 - 11 - 2009 |
| Approval of Abstracts           | 30 - 11 - 2009 |
| Submission of Full-length paper | 31 - 12 - 2009 |

(On an IBM compatible computer CD-R disc using MS Word (suitable for windows))

### **CALL FOR ADVERTISEMENTS**

A Proceedings Volumes is being printed for distribution during & after the conference. Advertising space is available & interested organizations are requested to send the advertisement material on CDs along with payment as detailed below:

|                           | Black & White |       | Four Colour Printing |        |
|---------------------------|---------------|-------|----------------------|--------|
|                           | US\$          | Rs.   | US\$                 | Rs.    |
| Back Cover page           |               |       | 450                  | 17,000 |
| Inside Cover back & front |               |       | 350                  | 14,000 |
| First Opening Page        | 150           | 6,000 | 300                  | 12,000 |
| Full Page                 | 125           | 5,000 | 250                  | 10,000 |
| Full Page (22 cm x 15 cm) |               |       |                      |        |

Taxes extra as applicable

### **Technical Specifications for Advertisement**

|   |   |
|---|---|
| Final size of Proceeding book (finished size) | 210mm x 297 mm  |
| Non-bleed ad size                             | 190mm x 277 mm  |
| Half page ad size                             | 148mm x 210 mm  |
| Bleed Size (3mm bleed on all sides)           | 216mm x 303 mm  |
| Artwork preference                            | Print ready, minimum 300 dpi (tiff, eps, pdf or cdr) files with all fonts with high quality print proofs and progressives for colour reference. |
| Resolution (inside pages)                     | up to 133 line screens  |
| Resolution (cover pages)                      | up to 200 line screens  |

## **REGISTRATION**

Conference Participants are requested to pay the registration fee as per details below:

|   | <b><u>Early Bird Fee Rupees / US\$ before or on 15.10.09</u></b> | <b>Tax as applicable</b> | <b>Delegate Fee Rupees / US\$ on or after 16.10.09</b> |
|---|--|--------------------------|--|
| Regular Delegates                                       | 12,000/300   |                          | 15,000/375   |
| CPU Members   | 10000/250  |                          | 12,000/300   |
| Students (certified by the Heads of their Institutions) | 50% of the Regular Delegate fee(i.e. Rs.6,000/-)                 |                          | 50% of the Regular Delegate fee(i.e. Rs.7,500/- )      |

Registration fee includes attendance for all sessions, tea, coffee & lunch at the venue; conference material.

## **Payments**

**Payment of registration fee can be made by cheque/DD in favour of 'AESI a/c' payable on any Bank at Delhi / New Delhi.**

The participants have to make their own arrangement for boarding lodging and transport. However, details of a few Five Star Hotels in New Delhi, India, are given below:

## **HOTEL INFORMATION**

Hotel Hyatt Regency  
Bhikaji Cama Place  
New Delhi 110066

Tel: 91 1126791234 Fax: 91 11 26791024

Hotel Maurya Sheraton  
Sardar Patel Marg,  
New Delhi 110021 India

Tel: 91 11 26110376 Fax: 91 11 26113333

Taj Palace Intercontinental  
Sardar Patel Marg,  
New Delhi 110021 India

Tel: 91 11 26110202 Fax: 91 11 26710808

Hotel Le Meridian  
Windsor Place,  
New Delhi 110001, India

Tel: 91 11 23710101 Fax: 91 11 23716989

## **Visa requirement for foreign delegates:**

Depending on your country of origin you may need to meet certain visa requirements before entering India. We advise you to contact Indian Embassy in your country of residency for which you hold a valid passport. Invitation Letter for visa purposes would be sent to you as soon as you get yourself registered for attending the conference or send a written letter to the conference conveners. **Invitation letter, however, do not bind the organizers to defraying or waiving any cost or expenses.**

## **Climate in Delhi (India)**

The maximum & minimum temperatures are likely to be 20-24°C (Max.) and 5-10°C (Min.)

## **SPONSORSHIP OPPORTUNITY**

Thermal Power India IV provides an effective opportunity for sponsoring companies to promote their product/service to a focused audience besides networking with utility engineers/ managers & senior decision makers during Tea/Coffee and Lunch intervals. Sponsors are assured of premium visibility as their logos & company names will be printed on all collateral, backdrops & strategically placed Sponsor panels at the conference & exhibition venues. They have the privilege of presentation/display of their products during the conference. Sponsor packages can be customized to suit your specific requirements. Some packages with fee and benefits are given below:

| <b>Category</b>              | <b>Fee</b>                     | <b>Benefits</b>   | <b>Complimentary</b>                    |
|------------------------------|--------------------------------|---|---|
| Diamond Sponsor              | Rs.5,00,000<br>US\$ equivalent | - Company name & Logo on all collateral, backdrops & strategically placed Sponsor panels, -<br>- Advertisement Spot on the projection screen - - -<br>- Company Speaker address during inaugural -- -<br>- Company literature/ insert /write-up in the delegate bag<br>- Company profile in the Proceedings Volume. - --<br>- Press release issued in Media will specifically cover the Principal Sponsor | 7 delegates<br>+<br>2 Table Top         |
| Golden Sponsor               | Rs.4,00,000<br>US\$ equivalent | - Company name & Logo on all collateral, backdrops & strategically placed Sponsor panels, -<br>- Advertisement Spot on the projection screen - - -<br>- Company literature/ insert /write-up in the delegate bag  | 6 dele-gates<br>+1 Table Top            |
| Silver Sponsor               | Rs.3,00,000<br>US\$ equivalent | - Company name & Logo on all collateral, backdrops & strategically placed Sponsor panels, -<br>- Advertisement Spot on the projection screen - - -<br>- Company literature/ insert /write-up in the delegate bag  | 5 dele-gates<br>+<br>1 Table Top        |
| Bronze Sponsorship           | Rs.1,50,000<br>US\$ equivalent | - Company name & Logo on all collateral, Session backdrop & strategically placed Sponsor panels<br>- Advertisement Spot on the projection screen<br>- Company Speaker address during session<br>- Company profile in the Proceedings Volume<br>- Press release issued in Media will name the Session Sponsor & highlight session  | 3 dele-gates<br>+<br>1 Table Top        |
| Sponsor-Lunch/Dinner         | Rs.2,00,000<br>US\$ equivalent | - Company name and logo on all collateral at the Lunch/Dinner venue, strategically placed Sponsor panels & Final Program.<br><br>- Nominate a speaker in any session.<br><br>- Company literature/ insert /write-up in the delegate bag   | 4 dele-gates<br>+<br>1 Table Top        |
| Sponsored Speaker            | Rs.40,000<br>US\$ equivalent   | - Company name & Logo on all collateral, Session backdrop & strategically placed Sponsor panels<br>- Company speaker for the relevant session   | 2 dele-gates                            |
| 2MX2M Built in stall Display | Rs1.50,000<br>US\$ equivalent  | - One table (size app 180x120 cm) 2chairs,<br>- Company name & logo on the strategically placed Sponsor panels  | 3 dele-gates including persons at stall |

Sponsorship Options are also available for Associate Sponsor, Welcome Reception, Networking Dinner, Tea/Coffee Breaks Registration Area, Delegate Bags, Conference Stationary, Lanyard, Conference Sessions

Contact:

C.V.J. Varma

President

COUNCIL OF POWER UTILITIES

A-2/158, Janakpuri, New Delhi-110058

Tel:91-11-25618472, 65455626 Fax:25611622

Email: [cvjv1933@yahoo.com](mailto:cvjv1933@yahoo.com) ,

[URL:www.indiapower.org](http://www.indiapower.org)

INDIA CORE

106, 2<sup>nd</sup> Floor, F Block, PVK

Ansals Palam Vihar, Gurgaon 122 017

Haryana, Tel: 91- 124- 320 1521/ 407 0942

Fax: 91- 124- 407 3946, Email: [info@indiacore.com](mailto:info@indiacore.com),

[URL:www.IndiaCore.com](http://www.IndiaCore.com)