



3rd Annual Conference on

Coal-based Power Generation

Fuel, Environment, Equipment and Tariffs

February 6-7, 2012, The Taj Mahal Hotel, New Delhi

Organiser:

**Indian
Infrastructure**

POWERLINE

Sponsors:

PfS
PIC India
Financial Services Limited

VOITH

COAL-BASED POWER GENERATION

Mission

- Coal is the mainstay of power generation in India, with coal-based power contributing 54 per cent of the total generation capacity and 70 per cent of the total generation. This share is poised to increase in the future, with 75 per cent of the planned Twelfth Plan capacity addition based on coal.
- Of late, coal availability has become a key concern for the sector, with several thermal power plants running on critical stocks. While this situation is a result of coal mine flooding and supply chain issues, coal supply in general has been constrained owing to environmental norms and slow progress on captive coal production. Also, the productivity of coal companies has been low due to limited automation. These factors have increased pressure on coal users to import coal or acquire overseas mine assets.
- Even though coal imports have become imminent for power plants, this poses its own set of challenges. The high price of imported coal is driving the cost of generation upwards. The situation has been compounded by recent regulatory developments in Indonesia and Australia, which will make the import of coal from these countries costlier.
- The year 2010-11 witnessed the highest coal-based capacity addition and the next few years are expected to record even higher capacity addition. While growth has been driven by all sectors, the private sector has been at the forefront. This sector is expected to contribute one-third of the total capacity addition during the Eleventh Plan period and 50 per cent in the Twelfth Plan.
- Competitive bidding is expected to drive efficiencies in the sector. Several projects have been awarded through Case I bidding by the utilities. The tariffs discovered through competitive bidding have started showing an upward trend owing to fuel shortages.
- New technologies like supercritical, ultra supercritical and integrated gasification combined cycle (IGCC) are expected to reduce the environmental impact of coal-based generation. The government's focus on these technologies is evident from the fact that 50 per cent of the Twelfth Plan (coal-based) capacity and the entire Thirteenth Plan (coal-based) capacity will be based on supercritical technology. A number of partnerships have been formed between global majors and Indian companies to set up supercritical manufacturing facilities in the country.
- Capacity constraints in equipment manufacturing could potentially derail the capacity addition plans of project developers. In order to tackle this situation, several JVs have been formed in the past few years to enhance the manufacturing capacity.
- **The mission of the conference is to provide an update on recent developments and trends, highlight the key challenges (fuel, environment, equipment and tariffs), and discuss appropriate strategies and solutions.**

Target Audience

- The conference is targeted at officials and managers from:
 - Coal-based power producers
 - Coal producers
 - Other power producers
 - Regulatory agencies
 - SEBs and electricity departments
 - Coal importers
 - Transcos and discoms
 - Financiers and investors
 - Technology providers
 - Other fuel suppliers
 - Government and planning agencies
 - Legal and management consultants, etc.

Delegate Fee

- The delegate fee is Rs 25,000 for one participant, Rs 42,500 for two, Rs 60,000 for three and Rs 77,500 for four.
- There is a special low fee of Rs 7,000 per participant for delegates from the state electricity boards and their successor entities, regulatory commissions and academic institutions.

Organisers

The conference is being organised by **Power Line** (the premier magazine for the Indian power sector), which is published by **India Infrastructure Publishing**, a company dedicated to providing information on infrastructure sectors through magazines, newsletters, reports and conferences. The company also publishes **Indian Infrastructure** and **tele.net** magazines, **Power News** (a weekly newsletter), and the **Coal-based Power Generation**, **Coal in India**, **Power in India**, **Distribution in India**, **Transmission in India**, and **Gas in India** reports.

AGENDA/STRUCTURE

KEY TRENDS AND OUTLOOK

- ❖ What have been the key trends in coal-based power generation?
- ❖ What is the outlook for the sector? What are the key issues and concerns?

GOVERNMENT PERSPECTIVE

- ❖ What is the government's perspective on the development of coal-based power?
- ❖ What are the key issues and challenges? How does the MoP propose to address them?

DEVELOPER PERSPECTIVE

- ❖ What is the developers' perspective (private and public)? What strategies are they exploring to secure long-term coal supplies?
- ❖ What are the other key issues and concerns of the private sector?
- ❖ How has been the experience with competitive bidding so far?

FUEL SUPPLY OUTLOOK

- ❖ What has been the demand-supply scenario for coal for the power sector?
- ❖ What can we expect in terms of domestic coal supply and prices?
- ❖ What is the current status of captive mining?

IMPORTS AND OVERSEAS MINE ACQUISITIONS

- ❖ What is the global coal scenario? What are the demand, supply and price trends?
- ❖ What are the realistic import options?
- ❖ What are the pros, cons and economics of overseas mine acquisitions?

UMPP UPDATE

- ❖ What is the progress on the awarded UMPPs?
- ❖ What is the plan for the award of future UMPPs?
- ❖ What are the key issues and concerns?

ADVANCED COAL COMBUSTION TECHNOLOGIES

- ❖ What are the advancements in supercritical, ultra-supercritical and IGCC technologies?
- ❖ What has been the experience worldwide in terms of costs and performance of these technologies?
- ❖ What are the steps taken by technology providers to gear up for the expected demand from India?

COMPETITIVE BIDDING AND POWER TARIFFS

- ❖ What has been the impact of competitive bidding on coal-based power tariffs?
- ❖ What is the outlook for the future?

INVESTMENT AND FINANCING

- ❖ What are the investment requirements for the sector?
- ❖ What is the financiers' perspective on the funding of coal-based generation plants?
- ❖ What are the key issues and concerns? How can these be addressed?

MAIN PLANT EQUIPMENT TRENDS

- ❖ What is the progress on the addition of manufacturing capacity for main plant equipment?
- ❖ What role will be played by imports in the future?
- ❖ What are the developments with respect to specifications for new technologies such as ultra supercritical and IGCC?

BALANCE OF PLANT EQUIPMENT TRENDS

- ❖ What is the current BoP capacity (CHP, AHP CT, DM/PT plant, etc.)?
- ❖ What are the capacity addition trends in BoP equipment manufacturing?

ENVIRONMENTAL ISSUES AND STRATEGIES

- ❖ What are the key environmental issues and challenges?
- ❖ What are the issues related to environmental clearances?
- ❖ How can all these issues be addressed?

The sessions will feature presentations by speakers followed by Q&A and floor discussions. The conference will feature, as appropriate, the viewpoints of all key stakeholders - power producers, technology providers, policymakers/regulators, financiers and fuel suppliers.

Previous Participants

The participating organisations in our previous conferences on "Coal-based Power Generation" include ABB, ABG Shipyard, ACB (India), ACC, Adani, Aditya Birla Insurance, Alstom Power, Amtek Auto, APGENCO, Archean Group, Asian Consulting Engineers, Atlas Copco, Atlas Logistics, Axis Bank, Badrinarain Alloys & Steel, Bajaj Engineering, Baring Private Equity Partners, Bharat Forge, Bharat Heavy Electricals Limited, Bhartiya Rail Bijlee Company, Birla Tyres, C&S Electric, Carborundum Universal, Carlyle India Advisors, CERC, Cethar Vessels, Clyde Pumps, CMPDI, Coal India, Coastal Energen, Coastal Gujarat, Deloitte Touche Tohmatsu, Development Consultants, Dhanalakshmi Srinivasan Energy, DSP Merrill Lynch, Duet India Infrastructure, DVC, E&Y, Economic Law Practice, EICS Group of Companies, Elecon, Energy Infratech, Essar Projects, Essel Mining, Eureka Stock & Share Broking, Evonik, Fair Commodities, FerroTech India, Fichtner Consulting, FLSmidth, GE, Glencore India, GMR, Gupta Coal, HCC, Heavy Water Plant, Himachal Pradesh Electricity Regulatory Commission, Hindalco Industries, Hindustan Zinc, Honeywell Automation, ICICI, IDBI, IDFC, IEX, IFFCO, IMFA, Inland Power, Jet Age Securities, Isgec John Thompson, J Power, Jindal India Thermal Power, Jindal Power, JM Financial, JSW Power Trading, Korus Energy, Kusum Powermet, L&T Finance, L&T Power, L&T-Sargent & Lundy, Lahmeyer International, Lakshmi Energy & Foods, Lanco Infratech, Leighton Contractors, Lodge Cottrell, Lucky Securities, M3 Investments, Macawber Beekay, Mahagenco, Marsh India Insurance Brokers, McNally Bharat Engineering Company, MEIL, Meenakshi Energy, Mitsubishi Corporation, Mitsui, Monnet Ispat & Energy, Moser Baer Power & Infrastructure, NALCO, North Karnataka Power, NTPC, OPG Power, PE Consulting, PFC, Pricewaterhouse Coopers, PTC India, Reliance Infrastructure, SBI Capital Markets, SCCL Mines, Sequoia Capital India Advisors, Sew Infrastructure, Shantha Steel & Power, Shree Renuka Energy, Sindya Power Generating Company, Strategic Decision Group, Surya Roshni, Swati Energy, Tata Power, Technofab Engineering, Tecpro Systems, TRF, Universal Crescent Power, Vedanta, Voith Turbo, Wartsila India, Welspun Energy, Wipro, Wyman Gordon Pipe & Fittings, Zuari Cement, YES Bank, etc.

3rd Annual Conference on

Coal-Based Power Generation

Fuel, Environment, Equipment and Tariffs

February 6-7, 2012, The Taj Mahal Hotel, New Delhi

Registration Form

I would like to register for the conference. I am enclosing Rs _____ vide cheque/demand draft no. _____ drawn on _____ dated _____ in favour of **India Infrastructure Publishing Pvt. Ltd** payable at New Delhi.

Please send wire transfer payments to:

Beneficiary	India Infrastructure Publishing Private Limited	Bank Account No.	1050338
Bank Name	The Royal Bank of Scotland N.V.	Swift Code	ABNAINBBDEL
Bank Address	M-6 Hauz Khas, New Delhi 110016, India	IFSC Code	ABNA0100327

Name(s)/Designation _____

(IN BLOCK LETTERS) _____

Company _____

Mailing Address _____

Phone _____

Mobile _____

Fax _____

E-mail _____

Registration Fee

Delegates	One	Two	Three	Four
INR	25,000	42,500	60,000	77,500
USD	550	940	1,330	1,720

Sponsorship opportunities are available

- There is a special low fee of Rs 7,000 per participant for delegates from the state electricity boards and their successor entities, regulatory commissions and academic institutions.
- Registration will be confirmed on receipt of the payment. To register online, please log on to <http://indiainfrastructure.com/conf.html>

Payment Policy:

- Full payment must be received prior to the conference.
- Conference fee includes lunch, tea/coffee and conference materials.
- Conference fees can not be substituted for any other product or service being extended by India Infrastructure.

Contact: Nidhi Verma, Conference Cell,
India Infrastructure Publishing Pvt. Ltd., B-17, Qutab Institutional Area, New Delhi 110016.
Tel: +91-11-41034606, 41034615, 9810342666 Fax: +91-11-26531196, 46038149.
E-mail: conferencecell@indiainfrastructure.com