



3rd Annual Conference on

# NUCLEAR POWER IN INDIA

Progress, Opportunities and Challenges

September 27-28, 2010, Grand Hyatt, Mumbai

POWERLINE

Indian  
Infrastructure

# NUCLEAR POWER IN INDIA

## Mission

- The promise of the Indian nuclear power market continues to hold the interest of both national and international players though progress on the ground has been slow since the initial euphoria in 2008 when the Nuclear Suppliers' Group granted a waiver to its members to enter into civilian nuclear trade with India. The installed nuclear power capacity has grown marginally from 4,120 MW in March 2009 to 4,340 in March 2010.
- Though Nuclear Power Corporation of India Limited (NPCIL) has signed agreements with national and international players – for the construction and development of power plants as well as for the supply of critical equipment and technology – in order to meet the planned target of 20,000 MW by 2020 and 63,000 MW by 2030, several issues could act as road blocks to their achievement.
- The radiation poisoning incident at the Kaiga Atomic Power Plant earlier this year, though not a major one, reinforces issues related to safety. Local opposition and environmental issues at select nuclear power plant sites are another challenge that the sector faces. The rapid expansion of the industry's engineering, procurement and construction capacity along with a significant scaling up of training facilities are areas that present new opportunities for private players, and many established power sector and other new players are putting plans in place to take advantage of these.
- **The mission of this conference is to provide an update on the developments in the nuclear power industry in the country with a focus on new opportunities and challenges. The conference will also provide a forum for discussing the perspectives of new and emerging players in the nuclear space.**

## Target Audience

- The conference is targeted at officials and managers from:
  - Current nuclear power players
  - Power generators (public/private/coal/hydro/gas/renewable, etc.)
  - Equipment manufacturers and EPC firms
  - Government and regulatory agencies
  - Industry and research analysts
  - Potential nuclear power developers
  - Potential technology providers
  - Other energy players (gas/coal, etc.)
  - Financial institutions and investors
  - Etc.

## Previous Participants

*The organisations that have participated in our previous "Nuclear Power in India" conferences include ABB Limited, Adani Power, Afcolenco, Afcons Infrastructure, Af-Kontroll AB, Alstom India, Angel Broking, AP Genco, Areva India, Avasarala Technologies, B&K Securities, Bhabha Atomic Research Center, Bechtel, Bharat Electronics, Bertling Logistics India Private Limited, BGR Energy Systems, Bhavini, BHEL, Black & Veatch, Bridge & Roof, Canadian High Commission, CESC, Chamundeshwari Electric Supply Corporation, Chemtrols Industries, Chitale & Chitale Partners, Delhi Science Forum, Doosan Heavy Industries, Dua Associates, Dua Consulting, Electronics Corporation of India, Economic Laws Practice, Electricite de France, EMCO, Emerson Process Management, French Embassy, Gammon India, GE Energy, GMR Energy, Greenpeace, Hazira LNG, Heavy Water Board, Hitachi India, HSBC Global Research, Hyundai Engineering & Construction Company, ICICI Bank, IDBI Bank, India Infoline, Indus Towers, IOCL, IRADe, ISGEC, Isolux Corsan, Jai Hind Projects, Jharkhand State Electricity Regulatory Commission, KazStroyService Infrastructure India, Kirloskar Brothers, L&T ECC, L&T Infrastructure Finance Company, L-3 Communications MAPPS Inc., Lahmeyer International (India), Lanco Infratech, Larsen & Toubro, Luthra & Luthra Law Offices, M.N. Dastur, Mahagenco, Marsh India, Maytas Infra, McNally Bharat Engineering Company, MECON, Meghalaya State Electricity Regulatory Commission, NALCO, NTPC, Nuclear Power Corporation of India, Nucor International, ONGC, Oswal Industries, PE Consulting, Investintoindia, Petron Engineering Construction, Planning Commission, Power Finance Corporation, PricewaterhouseCoopers, PTC, Punjab State Electricity Board, Reliance Energy, RPG Power Trading Company, SBI Caps, Sew Constructions, Simplex Infrastructures, SMC Power Generation, SNC Lavalin, Swati Energy & Projects, TCE Consulting Engineers, Technofab Engineering, Thermofisher, Titagarh Wagons, Toshiba India, Toshiba Plant System & Services India, Unity Infraprojects, Vallourec & Mannesmann, Vividh-Hi-Fab and Wardrop.*

## AGENDA/STRUCTURE

### PLANS AND PERSPECTIVE

- ❖ What are the plans and perspective of the government with regard to nuclear power?
- ❖ What are the plans and perspective of the Nuclear Power Corporation?
- ❖ What steps are being taken to ensure these plans will materialise?

### NEW PLAYERS' PERSPECTIVE

- ❖ What is the perspective of the new players with regard to emerging opportunities in the nuclear power sector both globally as well as in India?
- ❖ What new markets does the industry expect to open up as a result of the various international/bilateral agreements?
- ❖ What are the risks and challenges?
- ❖ What are the industry expectations from the government/policy-makers?

### CIVIL LIABILITY BILL

- ❖ What are the key features of the Civil Liability for Nuclear Damage Bill?
- ❖ What are the expected issues and challenges in its implementation once it becomes a law?

### GLOBAL TRENDS

- ❖ What are the global trends in nuclear power?
- ❖ What are the key drivers of nuclear power globally?
- ❖ What is the future outlook of nuclear power?

### FUEL OUTLOOK

- ❖ What have been the fuel demand, supply and price trends?
- ❖ What has been the experience so far with imported fuels?

- ❖ What is the fuel outlook (supply, demand and price) likely to be in the years to come?

### EQUIPMENT AND SERVICES

- ❖ What is the current and future demand for nuclear power equipment and related services?
- ❖ What are the plans of the major players in this sector including manufacturers?
- ❖ What is the status of the various joint ventures and what is being done to develop local vendors?

### CONSTRUCTION EXPERIENCE

- ❖ What has been the construction experience so far?
- ❖ What steps are being taken to expand the construction industry capacity to meet the expected nuclear power demand in the country?

### SPOTLIGHT ON ENVIRONMENT AND SAFETY

- ❖ What is the status of environmental and other clearances for the proposed nuclear power plants?
- ❖ What has been the experience with nuclear power safety so far?
- ❖ What more steps are needed to ensure that the entire supply chain in nuclear power is safe?

### FOCUS ON HUMAN RESOURCES

- ❖ What are the expected human resource challenges in meeting the nuclear power plans?
- ❖ What steps are being taken to meet these needs?
- ❖ What more needs to be done by the industry to meet this challenge?

*Most of the sessions will have two parts. The first part will feature presentations by speakers. The second part will be devoted to Q&A and floor discussions. The conference will feature, as appropriate, presentations from all the major stakeholders.*

## Delegate Fee

- The delegate fee is Rs 22,500 for one, Rs 37,500 for two, Rs 52,500 for three and Rs 67,500 for four.
- There is a special low fee of Rs 7,000 per participant for delegates from government departments (not public sector corporates), regulatory authorities and academic institutions.
- There is a 20 per cent "early bird" discount for those registering before September 3, 2010.

## Organisers

*The conference is being organised by **Power Line**, the premier magazine in the power sector. **Power Line** is published by **India Infrastructure Publishing**, a company dedicated to providing information on the infrastructure sectors through magazines, newsletters, reports and conferences. The group also publishes **Indian Infrastructure** magazine, **Power News** (a weekly newsletter), **Oil & Gas News** (a weekly newsletter), and a series of reports on the energy sector including **Nuclear Power in India**, **Power in India**, **Coal in India**, and **Gas in India**.*

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## Progress, Opportunities and Challenges

September 27-28, 2010, Grand Hyatt, Mumbai

### 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.

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### Registration Fee

Delegates	One	Two	Three	Four
INR	22,500	37,500	52,500	67,500
USD	540	900	1,260	1,620

- There is a 20 per cent "early bird" discount for those registering before September 3, 2010.
- Registration will be confirmed on receipt of the payment.

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