
DAY 1: Tuesday, 11th December 2007

0900 Onward	Registration <u>Inaugural Session</u>
1000-1005 hrs.	Arrival Of Chief Guest & Welcome
1005-1015 hrs.	Welcome Address by Shri C.V.J. Varma, President CPU
1015-1020 hrs.	Greetings from Principal Sponsor, Shri Arvind Singhal, Managing Director, Hagglands Drives (India) Pvt. Ltd.
1020- 1030 hrs.	Presidential address by Shri T. Sankaralingam, CMD, NTPC Ltd
1030-1040 hrs.	Address by Guest of Honour- Shri H.L.Bajaj, Member (Technical), Appellate Tribunal for Electricity
1040-1055 hrs.	Inaugural Address by Chief Guest, Shri Anil Razdan, Secretary (Power)
1055-1100 hrs	Vote of Thanks
1100–1130 hrs	TEA
1130 - 1300 Hrs	<u>Technical Session – 1</u> Thermal Energy Availability Scenario and Electric Power Development. Chairman: P. Abraham, Former Secretary (Power) <u>Keynote Presentations</u> India's planning for Power for all by 2012 V.P. Joy, Joint Secretary (Th, IPP, FS), MOP Advanced pulverized coal fired power plants- Present status and future prospects K.V. Muthukrishnan, ED, PMG & TS, BHEL Thermal Power Capacity Addition- Goals and Challenges V Sethuraman, Director (Power), Neyveli Lignite Corporation Ltd. Variable Speed Direct Hydraulic Drive Applications & its recent technical developments in Bulk Material Handling Shantanu Banerjee, Business Area Manager & Kaushik Banerjee, Sales Manager, Hagglands Drives (India) Pvt. Ltd. Energy Availability Scenario, Energy Exchange, Power Trading. Rajesh Kumar Mediratta, Vice President, MCX/ India Energy Exchange. Thermal Power Plant Performance Improvement using Quality Initiatives S.N. Tripathi, Sr. Supdt.(EEMG),S. Banerjee, Sr. Supdt.(Opn.), & Mohit Yadav, Engineer (Opn.),NTPC Ltd. Vidhyachal
1130 - 1145 hrs	
1145 - 1200 hrs	
1200 - 1215 hrs	
1215 - 1230 hrs	
1230-1245 hrs	
1245 - 1255 hrs	
1300– 1350 hrs	Lunch

1350 – 1525 hrs

Technical Session – 2

Technologies for Power Generation and Sustainable Energy Availability, Fuels for Thermal Power Development in India & Water Chemistry for Power Plant.

Chairman: S. Padmanaban, Dy. Director & Senior Advisor, U.S Agency for International Development

Keynote Presentations

1350 – 1405hrs

Technologies for Power Generation and Sustainable Energy Availability: World Standards in Indian Thermal Power plants

S. Padmanaban, Dy. Director & Senior Advisor, U.S. Agency for International Development

1405 – 1420 hrs

Blending of Imported Coal with Indian Coals and its associated effects on boiler design and operation

V.T. Sathyanathan, GM (Quality) BHEL Tiruchirappali

1420 - 1435 hrs

Logistics Challenges in handling Power Plants

R. Narayan, Vice President, J.M.Baxi & Co.

1435 – 1450 hrs

Cooling water treatment in Power Plant- Recent Trend & Case Study

S.M.Mahadik, ED, Chembond Dretreat Ltd.

1450 – 1505 hrs

Water Chemistry in Power Plant

S.K. Sharma, Dy. GM (Chemistry), National Capital Power Station-Dadri

1505- 1520 hrs

Residual Life Assessment and Renovation & Modernization of Steam Turbines

Amitabh Srivastava, SDGM (STE), **S.J. Ghosh**, SDGM (MRL), BHEL, Haridwar & **R.K. Anand**, DGM (R&M), BHEL, Noida

1525 – 1550 hrs

TEA

1550 – 1750 hrs

Technical Session – 3

Integrated Gasification Combined Cycle System (IGCC) and Combined Cycle Technology, Design Development of Supercritical & Ultra Supercritical Power Plants, Environmental and Thermal Power Generation, Clean Coal /Lignite based Thermal Generation, Operation and Maintenance Philosophy to Improve Availability & Logistics Challenges.

Chairman: G.S Bindra, GM, BHEL

Keynote Presentations

1550-1605hrs

Integrated Gasification Combined Cycle System (IGCC) and Combined Cycle Technology

G. S. Bindra, General Manager, Bharat Heavy Electricals Ltd.

1605-1620 hrs

Design Development of Supercritical & Ultra Supercritical Power Plants

C.Jaidevan, GM, BHEL High Pressure Boiler Plant and Seamless Steel, Tube Plant, Tiruchirappalli

Improving the Availability of Electricity through better techniques of Predictive/ Preventive Maintenance & Modernization of Thermal Power Plants

Dev Raj, GM (TS) BHEL

- 1620-1635hrs **Operations and Maintenance of DTPS using washed coal**
D.V. Deshpande, Vice President, DTPS, Reliance Energy
- 1635-1650hrs **Grid Interactive Solar Photovoltaic Power development for non conventional Energy**
B. Bandyopadhyay, Advisor, Ministry of New and Renewable Energy
- 1650 -1705hrs **Guidelines for Boiler Design with imported and indigenous coal for power generation**
Gopal P. Sinha, Director, CMERI
- 1705-1720 hrs **Computational Fluid Dynamics, Simulation of Combustion Processes**
N Seshadri, President, CD-Adapco India Private Limited
- Paper**
- 1720-1735hrs **Residual Life Assessment and Life Extension Programme in Power Boilers of CAPTIVE POWER PLANT (120 mw x8) of NALCO:**
R.S. Das, Chief Manager (Mech.) Area in Charge, Boiler Maint. CPP, NALCO
- Operation and Maintenance Philosophy to Improve Availability of Thermal Power Plants:**
S. Surya Narayan, Executive Engineer (Mechanical), KPCL

0930- 1130 hrs

Technical Session – 4

Technology Development in Operation and Maintenance of Thermal Plants & Introduction of I T in O & M- Turbine and Generator, Boiler and its auxiliary and information Technology, Residual Life Assessment, Uprating.

Chairman: Chandan Chowdhury, CEO, IFS Solutions India

Keynote Presentations

0945- 1000 hrs

ERP Solutions for Power Generation

Chandan Chowdhury, CEO, IFS Solutions India

1000- 1015 hrs

Technology Development and application of IT in power Generation

P.K. Basu, Technical Director, Crescent Power Limited

1015-1030 hrs

Residual Life Assessment, Uprating Renovation and Modernization of Old Power Plants

C. Subramaniam, Addl. GM (Operation Services R&M), NTPC Limited

1030-1045 hrs

An Integrated Approach of Maintenance Planning and its importance in Thermal Power Plant:

U.C.Jain, Addl. Chief Engineer, Gujrat State Electricity Corporation Limited.

1045- 1100 hrs

Uprating & R&M of Old Power Plants

P.C. Bhavnani, AGM, BHEL, Haridwar

1100 - 1115hrs

Unique Wear Solutions Technology - Through Infiltration Brazing for the Power Generation Industry

M. Shanmuganathan, Application & Sales Manager, Kennametal India.

1115 -1130 hrs

Shroudless lining in HRSG by Pyrobloc Module”

T.K Haldar, AGM- Sales, Murugappa Morgan Thermal Ceramics Limited

Paper

Renovation & Modernization and Life Extension of Thermal Power Plants

Chinmoy Mohanty, DM, Lahmeyer International Pvt. Ltd. & Siddarth Dutta, Turbo machines Group, Alstom Projects India Ltd.

1130– 1150 hrs

TEA

1150 – 1330 hrs

Technical Session – 5

Thermal Power Generation -Environment Management, Installation of Pollution Abatement Technologies, Options to contain eco damages risk in development of thermal power plants, Disposal of Ash and Emission Control, Regulations to Reduce Pollution Emissions, CDM, Carbon trading and carbon sequestration

Chairman: J. Ganesh, Director of Indian Operations, Kmpt Process technology

Keynote Presentations

1150 – 1205 hrs

Krauss-Maffei FGD Centrifuges

Bernhard Sojer, Proj. & Sales Manager, Kmpt AG

1205 – 1220 hrs

CDM, Carbon trading and Carbon sequestration:

Dipankar Ghosh, Associate Director, Ernst & Young

1220 – 1235 hrs	CDM, Carbon trading and Carbon sequestration: Swapn Mehra , Business Development Manager, Eco Securities
	ESP & Disposal of Ash and Emission Control by using coal with not more than 34% ash
1231250 hrs	Fly Ash: An Environment Saviour and not a Pollutant Vimal Kumar , Advisor (Fly Ash), Fly Ash Mission
1250 – 1305hrs	Variable Speed Direct Hydraulic Drive Applications Presentation Shantanu Banerjee , Business Area Manager & Kaushik Banerjee , Sales Manager, Hagglands Drives (India) Pvt. Ltd.
	<u>Paper</u>
1305-1320	Thermodynamic analysis of coal-based thermal power plants with CO₂ capture Sujit Karmakar, Suresh MVJJ, Ajit Kumar Kolar , IIT Madras
	Zero Discharge & Legislation Pertaining to Ash utilization G.P. Saxena , Sr. Manager (Env. Mgmt.), NTPC Limited
1320 – 1400 hrs	LUNCH
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1400 – 1530 hrs	<u>Technical Session – 6</u>
	Economics and Finances - Project Financing/Proper Techno-economic Appraisal, Development of a Multi Year Tariff (MYT) Frame Work, Arbitration on any issues relating to power supply disputes (National & International)
	Chairman: Sunil Verma, Member (E&C), CEA
	<u>Keynote Presentations</u>
1400 – 1415 hrs	Project Financing /Proper Techno-Economic Appraisal Shri Sunil Verma , Member (E & C), CEA
1415 – 1430 hrs	Financing and Availability of Funds Mukul Modi , VP - PA & SF, SBI Capital Markets Limited
1430- – 1445 hrs	Arbitration- Alternate Dispute Resolution R.C. Khera , Ex. Chief Engineer, CEA
1445-1500hrs	Achieving Fiscal Advantage for an Efficient Energy Chain Kiran Mehra , Associate, BMR & Associates
1500-1515hrs	Legal & Regulatory Issues Prabjot Singh Bhullar , Partner, Kochhar & Company
1515-1530 hrs	Interaction
1530-1600 hrs	Tea
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1600 – 1750 hrs

Technical Session – 7

Nuclear Power Development - Challenge to Climate Change, Role of Nuclear Power as the Future Source of Energy for the Growing Power Demand, Meeting the challenges of nuclear renaissance worldwide, Nuclear Power in Canada: Current Status and Future Prospects, The Role of Nuclear Power & Public Awareness Program for Nuclear Power.

Co-chairman: Takuya Hattori, President, Japan Atomic Industrial Forum Inc.

Co-chairman: Luc Jacquet, EDF Regional Director, EDF

Keynote Presentations

1600 – 1620 hrs

Nuclear Power--- Challenge to Climate Change

Takuya Hattori, President, Japan Atomic Industrial Forum Inc.

1620 – 1640 hrs

Role of Nuclear Power as the Future Source of Energy for the Growing Power Demand

Luc Jacquet, EDF Regional Director, EDF

1640 – 1655 hrs

Meeting the challenges of nuclear renaissance worldwide

Paul Felten, Sr. Vice President, AREVA NP, France & **Sunita Kumar**, Director, Nuclear energy affairs, AREVA NC

Paper

1655 – 1710 hrs

Seismic design of Nuclear Power Plants in India

A.G. Chhatre, Chief Engineer (Reactor Component), NPCIL

1710 – 1725 hrs

Nuclear Power in Canada: Current Status and Future Prospects

Basma A. Shalaby, Chief Engineer, Atomic Energy of Canada Limited

1725 – 1740 hrs

Role of Nuclear Power in Indian Power System

D.K. Goyal, Station Director & **G.K.Jha**, Head, Station-Planning Department, Narora Atomic Power Station

1740-1750 hrs

Conclusion