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# **THERMAL POWER INDIA- 4**

*Technology for Improved Efficiency*

Held on 28<sup>th</sup> & 29<sup>th</sup> January, 2010 at Silver Oak Hall, India Habitat Center, New Delhi-110003

## *Summary Record :*

A Two day conference Thermal Power India - 4 “Technology for Improved Efficiency” was organized by Council of Power Utilities (CPU) & Indiacore. M/S Tecpro Systems Ltd., M/S Microsoft & M/s GTPL were the sponsors of the conference.

## **The earlier Conferences of the Council of Power Utilities on Thermal Power were :**

- 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 Present Status, Technology Development Future, Prospects & Strategies in December 2007.
- 3<sup>rd</sup> International Conference on Present & Future Technologies Prospects & Strategies for Sustainable Development in February 2009

**Mr. Anil Razdan**, Former Secretary (POWER) in his inaugural address appreciated the theme and the appropriate timing of conference and hoped for the fruitful results of the deliberations during the conference. **Mr. C.V.J.Varma**, President CPU welcomed the Guests and the participants at the Opening Ceremony. **Mr. Amul Gabrani**, Vice Chairman & MD, Tecpro Systems Ltd. Platinum Sponsor & **Mr. Edward K.M. Chen**, President, AESIEAP & CEO Taipower offered greetings. **Ms. Suchitra Chitale**, Managing Partner, Chitale & Chitale Partners, delivered Keynote on “Legal aspects in Power Purchase Agreement and Market Development ”

## **Session wise Keynote Speakers were:**

**Power Scenario & Future Strategies-** **Mr. P.S. Bami**, Former CMD, NTPC Chaired the Session & spoke on Project Implementation Issues”, **Dr. Chandan Chowdhury**, CEO, IFS Solutions India Ltd on “IT as an enabler to improve performance of power sector”, **Mr. Rupender Bhatnagar**, Director Utilities, Microsoft Corporation India on “Empower Excellence in Power Generation”, **Mr. Sanjay Gambhir**, GM, Doosan Babcock Engineering Services India on “Coal Fired Supercritical Power Plants-Critical Review”, & **P.K. Bansal**, Senior Manager, BHEL, Haridawar on “Latest trends in large rating Steam Turbine Blading”.

**Present & Future Technologies for Thermal & Nuclear Power –** **Mr. V. N. Choudhary**, ED NTPC Ltd Chaired the session spoke on “Coal for Power Generation in India: Strategic Issues & Challenges”, **Mr. David Wen-Chung Lin**, Director, Taiwan Power Company on “Nuclear Power in Taiwan”, **Mr. N. Murugesan**, Chief Manager, TCE Consulting Engineers on “Role of Nuclear Power as the future sources of Energy for the growing power demand”, **Mr. G.S. Bindra**, GM in Charge, BHEL-“Super Critical Technology and Use of Higher Thermal Unit Ratings for Future Capacity Addition programme”, **Mr. Emanuel Pesatori**, Chief Engineer Research and Development, Franco Tosi Meccanica (a subsidiary of Gammon India Ltd.)- “A Case Study on the Impact of Reheat Turbines on the Indian Power Generation Industry”, **Mr. MT Swamy**, Deputy General Manager, Kennametal India Limited- “Advanced Erosion Protection Technology Retains Engineered Geometry in the Severe Environment of Coal Fired Burners”.

**Renovation, Modernization & Life Extension of Thermal Plants & Introduction of IT in O & M – Mr. N.K. Srivastava** GM (R&M-Engg), NTPC Limited Chaired the session spoke on “Upgrading, Renovation and Modernization of Old Power Plants”, **Mr. Lakshmi Narain**, Energy Adviser, NPTI Nagpur Co-Chaired the session & spoke on “Energy Loss Reduction through Improved Maintenance Practices”, **Mr. Vivek Sharan**, Manager (STE), BHEL Haridwar- “Residual life assessment (RLA) based renovation & modernization (R&M) of Steam Turbines”, **Mr. R.K. Anand**, Senior DGM (PMG), Bharat Heavy Electricals Limited on “Up rating, Renovation and Modernization of Old Power Plants”, **Mr. Ashutosh Sharma**, General Manager, Jasubhai Engineering- “Plasma Ignition Technology for Pulverised Coal”, **Mr. Vivek Pai**, Manager-Sales & Marketing, Honeywell Automation on “Power Plant Operational Improvement using Automation”, **Mr. Drik Mensing**, Flender Ltd.- “Power Transmission, Motion Technology & Vertical Roller Mill Drives”.

**Environment Preservation-Utilization of flyash- Mr. Vimal Kumar**, Scientist 'G' & Head, Fly Ash Unit, G OI, Ministry of Science & Technology Chaired the session spoke on “Fly Ash: A Paradigm Shift 'Proving Its Worth' To 'Implementation Era'”, **Mr. V.K. Mathur**, AGM (AUD)- “Efforts of NTPC for Ash Utilization”, **Dr. S. K. Dube**, GM (AUD) “Use of Ash for Mines Back Filling”, **Mr. Namit Shah**, MD, F. Harley & Co- “Fugitive Dust Control in Power Plants through Fog Based Technology”, **Mr. Bishal Thapa**, Managing Director, ICF International- “Positioning Coal in the Low Carbon Economy”, **Mr. Sandeep Dave**, Director, Neptune Industries Ltd- Fly Ash Bricks Manufacturing Project- “An Integral Feature of Fly Ash Utilization Program”.

**Energy & Infrastructure practices, Material Handling, Power transmission & Power market development, Legal & Regulatory framework issues** **Mr. Rakesh K Goyal**, Managing Consultant, PA Consulting Group Chaired the session. **Mr. Atish Kumar Vatts**, Team Leader- Energy & Infrastructure Practice, Kochhar & Co on “Topic related to Legal & Regulatory framework issues effecting the Thermal energy sector”, **Mr. S K Mukherjee**, Executive Director, Tecpro Systems Limited- “Topic Related to Material Handling”, **Mr. Puneet Chitkara**, Principal, Mercados EMI Asia “Power Market Development and Power Trading”, **Mr. Pankaj Gadhia**, CEO, Lee & Muirhead- Logistics Challenges in Setting up Thermal Power Projects”, **Mr. Nilesh Sinha**, Vice President, All Cargo- Global Logistic Ltd – “Logistic Cost Optimization for Power Projects”.

**Energy efficiency & Clean coal Technology- Mr. D.K. Agarwal**, GM CENPEEP, NTPC. Ltd. Chaired the session & spoke on “Performance Optimization Energy Efficiency”, **Mr. Flemming Skovgaard Nielsen**, BWE, Denmark & India on “Modern boiler concept for higher efficiency power stations”, **Mr. M. M. Krishnaamurthy**, Chief Operating Officer, Igus India on “Effective Cable Management System for Power Plant Equipment”, **Mr. Babak Seyedan**, Director- Thermal, Hatch Canada on “Economic Evaluation Of Hybrid Solar-Coal Power Plant- A Case Study”, **Mr. D K Sharma**, Professor- “Centre for Energy Studies, IIT Delhi- Clean Coal Technologies & CO2 Sequestration”, **Mr. Raj Prasad**, Head & Lead Auditor- “Energy Management Systems”.

There were, 17 Exhibitors and about 225 participants including about 25 international participants from various national & international organizations such as Tecpro Systems, Taiwan Power Company, Taiwan, NTPC Ltd., BHEL, RRVPNL, WEC, DVC, IFS Solutions India Ltd., Microsoft Corporation India, Doosan Babcock Engineering Services India, Kennametal India Ltd. NPTI, a number of Power utilities, developers & project authorities.

Organizers expressed gratitude to **Mr. Anil Razdan**, former Secretary (Power), for inaugurating the conference **Mr. Edward K.M. Chen**, President AESIEAP & CEO Taiwan Power Company for address during inaugural session. The Session Chairpersons, Keynote speakers & paper presenters for their valuable contribution. Organizers also acknowledge with thanks the support extended by **Tecpro Systems Limited, Microsoft, GTPL for sponsoring the conference**, **Tecpro Systems, Gactal Turnkey Projects, Om Gaima Projects, Tata Blue Scope Steel, FLSMidth Minerals, Demag Cranes and Components, Delta India, Jasubhai Engineering, IGUS (India), Duru Felguera S.A. Energia, Spain, Lee & Muirhead, Neptune Industries, F. Harley & Co. & Precise Engineers** for their participation as Exhibitors.