



ENERGY TECHNOLOGY CONCLAVE

Technology For Sustainability

13-14th March, 2008, Jacaranda, India Habitat Centre, New Delhi



Partner Organizers

INDIA
ENERGY
FORUM




World Energy Council
Indian Member Committee

Technology for Sustainability

The energy sector in India is witnessing phenomenal growth as the Indian economy leap frogs into the future. This metamorphosis has thrown up challenges of meeting the clean environment needs on one hand and the issues of fuel supply, technology and efficiency on the other. The 20th World Energy Congress which met at Rome, recently reiterated the fact in its Congress Conclusion that "fossil fuel will remain a main fixture of the world's energy supply for the next generation, but more spending on Research and Development on new technologies is needed to deliver cleaner and alternative forms of energy and to boost energy efficiency."

The Energy Technology Conclave is an endeavor to discuss and debate issues of existing and emerging technology in the energy sector and deliberate on some of the issues like:

- ▶ Meeting the challenge of quantum growth in energy sector with minimal adverse impact on environment
- ▶ Clean Coal Technologies for using fossil fuel intelligently.
- ▶ Technologies for enhanced recovery of coal, oil & gas
- ▶ Technologies for renewable energy
- ▶ Integrated approach to R&D

"Industry has all the latest available technologies needed to develop fossil fuels, nuclear, large hydro and renewables that reconcile development with climate change."

- Mr. André Caillé
The Outgoing Chairman
World Energy Council

We, as a nation, have been spending less than 0.2% of turn over of all energy firms on R&D whereas in the developed world industry generally spends more than 2% on its R&D efforts. The time has come to think and decide whether we need to step up our investments in R&D. Energy community also needs to get its priorities right in terms of investments in existing and emerging technologies in short term, medium term and long term. The Energy Technology Conclave will also explore the area of Concentrated and Collaborative R&D to create synergy in the Energy sector.





Energy Technology Conclave

India Energy Forum (IEF), IRADe and World Energy Council-Indian Member Committee have joined hands to explore and address the some major issues of energy technology through Energy Technology Conclave. The Conclave will have the participation of the leading policy makers, players in energy sector, technical institutions and researchers and also some prominent experts of international arena.



Who should attend?

R&D Engineers & Scientist, Energy experts, Designers, Decision makers can benefit a lot from Energy Technology Conclave. They can also contribute in evolving the recommendation for the future course of action.





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13th March 2008, Thursday

- 9.00-9.30 AM Registration
- 9.30-11.30 AM **INAUGURAL SESSION**
- 11.30-11.45 AM Tea
- 11.45-13.30 PM **Session I TECHNOLOGY-ISSUES, CHALLENGES & OPPORTUNITIES**
- Energy Supply & Demand – Bridging the gap through technology
 - Cutting edge technologies – Adopting quickly
 - Investing in New Technologies
 - Climate Change & Competitiveness
 - Human Resource Challenges
- 13.30-14.30 PM Lunch
- 14.30-16.00 PM **Session II EXISTING TECHNOLOGIES - INCREASING EFFICIENCY**
- Coal Mining and Gasification
 - Enhanced Oil Recovery
 - Power Generation - Critical to Ultra Super Critical Technology
- 16.00-16.15 PM Tea
- 16.15-17.30 PM **Session III EMERGING TECHNOLOGIES - I**
- Solutions from deep- Gas Hydrates
 - Hydrogen - Splitting and storing
 - Solar PV - Is Nano the Key ?
 - Nuclear - Fission to Fusion

14th March 2008, Friday

- 9:00-11:00 AM **Session IV CLIMATE CHANGE AND ENERGY TECHNOLOGY**
- Containing CO2 Emission
 - CCS : Feasibility Vs Viability
 - Towards Zero Emission Technologies
 - Efficient Effluent Management
- 11:00-11.15 AM Tea
- 11.15-13.15 PM **Session V SYNERGY IN TECHNOLOGY FUNDING & COMBINED R&D EFFORTS**
- Expensive Exploratory research – We can work together
 - Implementing National Energy Fund to Finance R&D
 - Investing in Medium Term & Long Term Energy Technologies
- 13.15-14.15 PM Lunch
- 14.15-15.30 PM **VALEDICTORY SESSION**
- Briefing by session Co-ordinators
 - Co-ordinator Session I
 - Co-ordinator Session II
 - Co-ordinator Session III
 - Co-ordinator Session IV
 - Co-ordinator Session V
 - Co-ordinator Session VI
 - Vote of thanks
 - Co-ordinator Session VI



Established in October 2001, the forum represents the energy sector as a whole. Most major public and private sector organizations in Power, Oil and Gas, Coal and Renewable Energy are its members. These include NTPC, NHPC, Power Grid Corporation, Power Finance Corporation, Tata Power, Reliance Energy, PTC Ltd., Alstom Power India Ltd, ONGC, Indian Oil, Coal India, Neyveli Lignite Corpn., Vestas RRB, Bhilwara Group and about 60 well known energy experts.

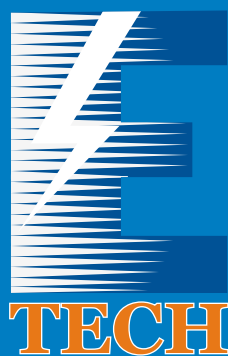


Integrated Research and Action for Development (IRADe) is a fully autonomous research institute, which aims to do research and policy analysis, impart training and serve as a hub of network among various stakeholders. The key focus areas of the institute are Energy System, Climate Change and Clean Development Mechanism, Natural Resource and Environment Management, Infrastructure, and Rural and Urban Management. IRADe works with government ministries & departments e.g. MOP, MNRE, MOEF and Planning Commission, bi-lateral & multi-lateral agencies like UNEP, WISIONS, WorldBank, non-government organisations like SEWA, Winrock, Stanford University, and private sector like PwC, RIL and PETROFED. IRADe has organised the Energy Conclave (2006) and Biodiesel Summit (2007) to establish linkages among stakeholders.



World Energy Council
Indian Member Committee

The World Energy Council is global body constituted in 1913 having membership of around 100 countries. The Indian Member Committee (IMC) is a non-profit organization dedicated to enhancing the effectiveness of National energy strategy. The IMC seeks to forge a better understanding of energy issues among the public and private sectors and the country at large, through discussion and exchange of information on all forms and aspects of energy. IMC has patronage of energy ministries of power, coal, petroleum and natural gas, and new and renewable energies with minister of power a chief patron.



ETC Co-ordination Cell
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