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The Energy Sustainability Conclave 2013

August 30th - 31st, 2013
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 ITC Hotel - The Sonar, Kolkata

Friday, 30th August, Day 1
Theme: Sustainable Energy – An interplay of source diversification, uninterrupted supply, and low carbon cost effective technology

10.00 a.m. – 11.00 a.m.	Registration and Networking Tea / Coffee	
Day 1 Inaugural Session 11.00 a.m. – 12.35 p.m.		
11.00 a.m. – 11.05 a.m.	Welcome Address	Mr. Kallol Datta President, The Bengal Chamber of Commerce and Industry; & Chairman and Managing Director, Andrew Yule & Company Limited
11.05 a.m. – 11.20 a.m.	Conclave Inaugural Address	Shri Manish Gupta Hon'ble Minister-in-Charge, Power & Non-Conventional Energy Sources, Government of West Bengal
11.20 a.m. – 12.30 p.m.	Inaugural Panel: Energy Security: The intersection of demand, energy markets, and supply routes	Dr. Kirit S Parikh Former Member, Planning Commission and Chairman, Integrated Research and Action for Development (IRADe) Shri Sunil Mitra Former Revenue and Finance Secretary, Government of India and Former Power Secretary, Government of West Bengal Mr. Phil Marker Counselor and Head, Energy, Climate and Growth Unit, British High Commission, New Delhi
12.30 p.m. – 12.35 p.m.	Vote of Thanks	Mr. P Roy Director General, The Bengal Chamber
12.35 p.m. – 12.40 p.m.	Changeover to next session	



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Plenary Session 1
12.40 p.m. – 2.00 p.m.
Business Leaders' Panel Discussion: Energy as corporate security measure: Experiences and insights

While energy efficiency and cost management continue to be the rallying cry for large companies that have created some sort of energy management strategy, the issue of energy security is becoming a larger factor among companies developing a corporate energy strategy.

12.40 p.m. – 12.50 p.m.	Session Spokesperson's Introduction	Mr. Sumit Mazumder Vice Chairman and Managing Director TIL Limited; Past President, The Bengal Chamber
12.50 p.m. – 1.50 p.m.	Guest Panelists	Ms. Nicola Watkinson Senior Trade & Investment Commissioner, South Asia, Australian Trade Commission Mr. Sanjib Bezbaroa Vice President - Corporate EHS, ITC Limited Mr. Shishir Joshipura Managing Director & Country Manager, SKF India Limited Mr. Sandipan Chakravortty Managing Director, Tata Steel Processing and Distribution Limited
1.50 p.m. – 2.00 p.m.	Open House	
2.00 p.m. – 2.40 p.m.	Lunch	

Plenary Session 2
2.40 p.m. – 3.50 p.m.
Expert Panel Discussion: Energy, the Environment and Economic Growth

The cultivation of sustainable markets for energy including renewable energy, energy efficiency and natural gas solutions requires an integrated policy approach that includes incentives, standards, stable investment climates, research and development and public education. It also requires a wholesome approach to renewing the way we think about energy, from a perspective of economic growth, environmental protection, national security and quality of life.

The focus of the panel discussion would be to bring to board the interplay of energy elasticity of GDP with economic growth trends, the need for and status of evolving environmental regulations, environmental management norms in industrial projects.

2.40 p.m. – 3.00 p.m.	Session Chairperson's Introduction	Mr. Aloke Mookherjea Chairman, Solyvent Flakt (India) Private Limited; & Past President, The Bengal Chamber
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3.00 p.m. – 3.40 p.m.	Expert Panelists	Dr. Suman K Mukerjee USAEP Environmental Fellow; & Principal, Dean and Senior Professor, Bhavans Institute of Management Studies Dr. Ketan Shukla, IFS Deputy Director General, Mahatma Gandhi Labour Institute; Former Secretary, Gujarat Electricity Regulatory Commission
3.40 p.m. – 3.50 p.m.	Open House	
3.50 p.m. – 3.55 p.m.	Changeover to next session	
Plenary Session 3 (Food for thought for Day 2) 3.55 p.m. – 5.20 p.m. Power from conventional and renewable sources in a world still dominated by fossil fuels <i>It is estimated that USD 30 trillion worth of fossil fuels are still buried in the earth and almost 2800 gigatonnes of carbon locked up in fossil fuels underground. Many are saying we can emit another 565 gigatonnes of CO₂ and still keep the warming to 2° C. In the year 2011-12, approximately 31.6 gigatonnes of CO₂ were emitted worldwide. Atmospheric CO₂ concentration during pre-industrial times was 280 ppm, which has risen to above 400 ppm currently. Almost 26% of this increase is attributed to the energy (generation) sector (with 19.4% from industry and 13.1% from transport). Although electricity generation from hydro plants have exceeded expectations due to improved rains, the social cost and the human displacement and high gestation period of hydel projects are bottlenecks at times. This leaves nuclear and renewable. If the former is always embroiled in controversies on safety and technology, the latter is still governed by relatively higher costs. On the brighter side, India has an installed renewable generation capacity of around 12.5% representing almost 400% increase in the past 5 years alone. The renewable energy sector is seen as a significant player in grid-connected power generation and investments in renewable energy grew by 25% last year.</i>		
3.55 p.m. – 4.10 p.m.	Session Chairperson's Introduction	Prof. B K Dutta Chairman, West Bengal Pollution Control Board
4.10 p.m. – 4.40 p.m.	Mitigation options in Indian power generation	Mr. Sutanu Ghosh Managing Director, Ghosh Bose and Associates Pvt. Ltd.
4.40 p.m. – 5.10 p.m.	Renewable energy in India – Options, technology and a cost-benefit analysis.	Mr. Saunak Saha Manager – Climate Change and Sustainability Service, Ernst & Young LLP
5.10 p.m. – 5.20 p.m.	Open House	
5.20 p.m.	Conclusion of Day 1 with Networking Tea / Coffee	



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Saturday, 31st August, Day 2 Theme: Technology for energy security – Making the conventional out of the unconventional		
10.00 a.m. – 10.30 a.m.	Networking Tea / Coffee	
Day 2 Inaugural Session 10.30 a.m. – 12.00 p.m.		
10.30 a.m. – 10.35 a.m.	Introduction of speakers	Mr. Arun Kumar Mukherjee Chairperson, Energy and Environment Committee, The Bengal Chamber of Commerce and Industry
10.35 a.m. – 10.55 a.m.	Energy security through innovative technologies in the context of Indian needs and circumstances	Dr. Ajay Mathur Director General, Bureau of Energy Efficiency, Ministry of Power, Government of India
10.55 a.m. – 11.05 a.m.	Presentation of special Young Energy Researcher Award	
11.05 a.m. – 12.00 p.m. Power Sector CEO Panel Discussion: Power in India – Growth amidst constraints <i>The focus will be on cost of energy, reliability of energy supply, carbon emissions, regulatory compliance, energy price volatility, predictability and the coming of age of utilities.</i> <i>The bottom line is, because of their energy density and ease of use, fossil fuels remain the best energy source. As opposed to an installed generating capacity addition of 69231 MW target for the 11th Plan, that for the 12th Plan is 118536.6 MW of which 72,340 MW (61%) would be thermal. It is also estimated that in 2012, 2017 and 2030 thermal electricity generation would have a share of 70%, 69% and 58% respectively. India, as we all know, depends greatly on fossil fuel sources, mostly coal. The problem of efficiency, including that of below-average PLF, is omnipresent. In fact, up to December 2012, the all-India thermal PLF (based on coal / lignite based thermal power stations only) for 2012-13 was 69.63% down from 73.32% achieved in 2011-12. Added to this, the problem of availability of coal, the volatile price and the increased dependence on the import of coal are grim reminders of the fact that electricity in India is anything but sustainable.</i>		
11.05 a.m. – 11.15 a.m.	Session Chairperson's Introduction	Dr. Ajay Mathur Director General, Bureau of Energy Efficiency, Ministry of Power, Government of India
11.15 a.m. – 12.00 p.m.	Expert Panelists	Dr. Rajiv Mishra Executive Director, PTC India Limited Mr. Siddharth Mehta CEO, India Power Corporation Limited




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12.00 p.m. – 12.05 p.m.	Changeover to next session	
Plenary Session 4 12.05 p.m. – 1.40 p.m. Experiences in Technology and Energy Efficiency		
12.05 p.m. – 12.10 p.m.	Introduction by Session Chairperson	Mr. P S Bhattacharyya Former Chairman, Coal India Ltd; Currently Executive Director Deepak Fertilisers & Petrochemicals Corporation Ltd, Pune
12.10 p.m. – 12.30 p.m.	Energy efficiency and renewable energy: German experience with increasing competitiveness of industries	Dr. Ing.Jörg-W. Fromme Geschäftsführender Partner (Managing Partner), DFIC, Germany (Former Head of International Division WestLB Group; Former Chairman of Board of German Russian Consultant Nishinovgorod; Former Advisor of Jordanian Ministry of Energy and Mineral Resources)
12.30 p.m. – 12.50 p.m.	Techno economic feasibility of hydrogen fuel cells	Mr. Alok Goel Country Manager, India & South Asia Region, Ballard Power Systems, Canada
12.50 p.m. – 1.10 p.m.	Sustainable mining in India	Shri A K Debnath Chairman-cum-Managing Director, Central Mine Planning & Design Institute Limited (CMPDI)
1.10 p.m. – 1.30 p.m.	Utilization of waste heat recovery in steel industry	Mr. Saibal Sen, General Manager and Head of Business Development for India, Steel Plantech India Pvt. Ltd.
1.30 p.m. – 1.40 p.m.	Open House	
1.40 p.m. – 1.45 p.m.	Changeover to next session	
Plenary Session 5 (Valedictory Session) 1.45 p.m. – 2.35 p.m. The future of Power in India <ul style="list-style-type: none"> a. <i>The session will discuss the technology, economics and safety aspects of nuclear power with focus on India – from fission to fusion; from reactor to fast breeder technology and the realities and myths of nuclear safety.</i> b. <i>The session will also cover the latest groundbreaking technologies as well as on-the-ground applications, which can be escalated even at the rural level and reduce dependency on conventional fuels.</i> 		
1.45 p.m. – 1.55 p.m.	Introduction and brief presentation on award winning	Mr. Deb A Mukherjee Managing Director, Enfragy Solutions India Pvt. Ltd.





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	energy innovation on-the-ground	
1.55 p.m. – 2.35 p.m.	Valedictory Address	Dr. Bikash Sinha Homi Bhabha Professor, DAE, Former Director, Saha Institute of Nuclear Physics and Variable Energy Cyclotron Centre, Department of Atomic Energy, Government of India
2.35 p.m. – 3.10 p.m.	Lunch	
3.10 p.m.	Presentation of certificates of The Bengal Chamber Sit n Draw Competition, held on 27 th April 2013 on occasion of Earth Day and World Environment Day, to school children.	

