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Conference on

POWER MANAGEMENT FOR INDUSTRIAL CONSUMERS

Issues and Challenges; Strategies and Solutions

June 13-14, 2018, The Grand, Vasant Kunj, New Delhi

Organisers:

**Indian
Infrastructure**

RenewableWatch

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POWER MANAGEMENT FOR INDUSTRIAL CONSUMERS

Mission

- Strategic power sourcing and power cost optimisation are becoming the key priority areas for industrial consumers as they face significant pressures to enhance productivity and energy efficiency.
- Industries have been trying to optimise power procurement costs through options such as captive power generation, utilising open access to switch between competitive suppliers and discom-regulated tariffs, investing in decentralised generation solutions such as onsite solar, besides procuring power from the power exchanges, where prices have been favourable over the past couple of years.
- These options, however, come with their own set of challenges. To begin with, the overall experience in open access has been disappointing for large consumers. States have blocked open access in many instances. Further, with surcharges and levies, the economic benefit of power procurement through this route has reduced in the recent past.
- There are other energy-related issues that industries face such as the complexities involved and multiple approvals and clearances required for rooftop solar or net metering; ambiguities in the REC pricing framework that have made buyers practically inactive in the market; inadequate transmission capacities for surplus sellers/buyers; less than adequate coal supplies for captive generation units forcing such plants to rely on expensive imported coal; and volatile exchange prices on account of seasonal variations.

This conference aims to provide a platform to discuss:

- Key energy-related challenges for industrial consumers
- Highlight the experiences and best practices in energy management
- Examine various power sourcing strategies and solutions
- Analyse recent trends and developments in open access and power trading
- Showcase promising technology solutions to help industrial consumers achieve their operational efficiency goals and ensure compliance with environmental norms

Target Audience

- ❖ Industrial consumers
- ❖ PAT designated consumers
- ❖ Power producers
- ❖ HT consumers
- ❖ Industrial development corporations
- ❖ Regulatory agencies
- ❖ Equipment manufacturers
- ❖ Technology providers (hybrid renewables, trigeneration, microgrids, etc.)
- ❖ Discoms
- ❖ RESCOs
- ❖ Power trading companies
- ❖ Rooftop solar developers
- ❖ Wind power developers
- ❖ Energy management consultants
- ❖ Research and development organisations
- ❖ Consultancy organisations
- ❖ Equity analysts
- ❖ Financiers/Investors
- ❖ Etc.

The conference will be particularly useful for finance, operations, planning and energy managers from organisations in the cement, iron, steel, sugar, textile, tyre, fertiliser, paper/pulp, aluminium, chemical, railways, oil-refineries, petrochemical, thermal power, and other power-intensive industries. It will also be useful for managers in the power sector who cater to these organisations.

Participants at related conference (Managing Cost of Energy)

ABB, Aggreko Energy Rental India, Alliance for An Energy Efficient Economy, Amplus Energy Solutions, Asahi Glass, BHEL, BSES Rajdhani Power, Bureau of Energy Efficiency, Carrier, CESC Limited, Chemfab Alkalis, Clean Max Enviro Energy Solutions, ExxonMobil Lubricants, Gabriel India, GRIHA Council, Gujarat Industries Power Company, Hero Future Energies, ICF, ICRA, IEX, IFC, Indian Metals & Ferro Alloys, Indian Railways, Indraprastha Power Generation Co.Ltd & Pragati Power Corporation Limited, Isgec Heavy Engineering Ltd, JK Cement, JSW Cement, JSW Power Trading Company, Kribhco Shyam Fertilizers, Larsen & Toubro, Nabha Power, National Fertilizers, NFL, NIS Marketing, NTPC, ONGC, Phillips India, PPCL, Pragati Power Corp, Prism Cement Limited, Railway Energy Management Company, Research Designs & Standards Organisation, Shakil Sustainable Energy Foundation, Sidel Chemical Complex, Southern Railways, Suzlon Energy Ltd, Tata Motors Limited, Tata Steel, The Textile Association (India), Thermax Limited, ACC Limited, Accenture, Aditya Birla, Arvind Mills, Atlas Copco, BILT, Bosch, BPCL- Kochi Refinery, Cummins, Customised Energy Solutions, Deepak Fertilizers, DLF Utilities, GSFCL, Haldia Energy, Hindalco, HMEL, HPCL, Indorama Synthetics, JCB, JFE Engineering, Jindal Power, JK Tyres, KBL, L&T ECC, Lafarge Cements, Lakshmi Machine Works, Mahindra & Mahindra - Nagpur, MRF Tyres, NEEPCO, NLC, ONGC- Uran, PFC, Praxair, Renuka Sugars, SCCL, Schneider Electric, SKF, Socomec, Tata Power, TCS, TMEIC, Unit of Mawana Sugars, Vedanta, Wartsila, Zydus Cadila etc.

AGENDA/STRUCTURE

KEY TRENDS AND OUTLOOK

- ❖ What are the key trends in grid power costs?
- ❖ What are the key trends in captive power costs?
- ❖ What are the key trends in the costs of power procured through power trading?

POWER SOURCING STRATEGIES

- ❖ What are the various power sourcing options for industries? What are the new and emerging power sourcing needs and requirements?
- ❖ What are the various strategies that industries can deploy to optimise sourcing costs and requirements?

OPEN ACCESS

- ❖ What has been the industry's experience in open access?
- ❖ What are the key issues and challenges faced by industries?
- ❖ What steps need to be taken in order to make open access successful for such consumers?

POWER TRADING OPTIONS

- ❖ What has been the industry participation trend in the power trading market?
- ❖ What are the major trends in the cost of procurement from the power trading market?
- ❖ What are some of the key challenges faced by industries in power trading?

GRID POWER TARIFFS

- ❖ What have been the grid power tariff trends for industrial consumers?
- ❖ What are the factors influencing these trends?
- ❖ What is the future outlook?

RENEWABLE ENERGY OPTIONS

- ❖ What is the cost economics associated with renewable energy solutions?
- ❖ What are the new and emerging renewable energy technology options (such as hybrids)?
- ❖ What should be the key considerations that need to be factored in while looking at renewable energy projects?

FOCUS ON ROOFTOP SOLAR AND NET METERING

- ❖ What is the potential of the rooftop solar segment in meeting the overall energy requirements of industries?
- ❖ What are the emerging business models (like RESCO) in this segment? What is the investment outlook?
- ❖ What are the key features of the net metering guidelines that have been issued by various states?

MEETING RPOs

- ❖ What has been the industry's experience with regard to RPO compliance (for open access consumers/captive generators)?
- ❖ What are the key issues and concerns in REC trading?
- ❖ What have been the trends and developments?

CURRENT CAPTIVE ECONOMICS

- ❖ What are the cost economics (capex/opex) of captive power technologies?
- ❖ How does the cost of captive power generation compare with that of grid power?
- ❖ How do the emerging fuel market trends influence captive power economics?

ROLE OF MICROGRIDS

- ❖ What commercial benefits can microgrid solutions offer industrial consumers?
- ❖ What are the technology and on-site requirements for microgrids?
- ❖ What are the various finance and ownership models in this regard?

EMISSION NORMS FOR INDUSTRIAL CONSUMERS

- ❖ What are the current applicable standards and norms for emissions (air, water, etc.) for various industries?
- ❖ What has been the impact of these norms on industrial units?
- ❖ What are the key issues and concerns? What are some of the potential strategies and solutions for improving compliance?

FOCUS ON TECHNOLOGY

- ❖ What are some of the new and emerging technologies for improving energy efficiency (WHR, cogeneration, trigeneration, etc.)?
- ❖ What are the trends in the adoption of these technologies?
- ❖ What has been the experience so far?

UPDATE ON PAT

- ❖ What has been the experience of industries under Perform Achieve Trade (PAT) I? What is the status under PAT II?
- ❖ What are the targets assigned to the new designated consumers included under future PAT cycles?
- ❖ What are the key issues and concerns being faced by industries in the implementation of the scheme?

INDUSTRY SHOWCASE AND CASE STUDIES

- ❖ What are the key energy-related issues of industrial consumers?
- ❖ What are the industry best practices? What have been the noteworthy initiatives in energy management?
- ❖ What are the future plans?

Organisers

The conference is being organised by **India Infrastructure Publishing**, a leading provider of information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes **Power Line** (the premier magazine for the Indian power sector) and **Renewable Watch** (which covers the entire spectrum of renewable energy) and **Indian Infrastructure** magazines. It also publishes a series of research reports including *Industrial and Commercial Grid Power Market in India*, *Captive Power in India*, *Open-Access for Renewables*, *Solar Power in India* and *Wind Power in India*. The company also publishes the **Power Line Directory and Yearbook** and a weekly newsletter on the power sector.

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Registration Form

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One delegate	22,500	4,050	26,550	443
Two delegates	37,500	6,750	44,250	738
Three delegates	52,500	9,450	61,950	1,033
Four delegates	67,500	12,150	79,650	1,328

- Registration will be confirmed on receipt of the payment.
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Payment Policy:

- Full payment must be received prior to the conference.
- Conference fee includes lunch, tea/coffee and conference materials.

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