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POWER LINE SUMMIT 2019

SECTOR OUTLOOK AND WAY FORWARD

October 10, 2019, ITC Maurya, New Delhi

POWERLINE



MISSION

This is the fourth edition of the annual Power Line Summit. As before, the mission of the summit is to provide a top-level view of the road ahead for the Indian power sector. This edition attempts to look at both broader and future-oriented themes while also examining the underlying fundamentals. The summit will be a mix of expert presentations and top-level panel discussions. Our aim is to ensure that the delegates gain a better understanding of where the sector and its sub-segments are headed, both in terms of challenges and opportunities. We are also hoping that the discussions at the summit will lead to a set of recommendations for the new government.

TARGET AUDIENCE

- Conventional Energy Producers
- Distribution Companies
- Energy Storage Companies
- Technology Providers
- Policymakers and Regulators
- Legal Firms
- Renewable Energy Producers
- EV Players
- Energy Traders
- Equipment Manufacturers
- Financiers and Investors
- Multilateral Agencies
- Coal Producing/Mining Companies
- Transmission Utilities
- Industrial Power Consumers
- EPC Contractors
- Management Consultants
- Other Service Providers, etc.

Previous Participants

ABB India, AES, Amplus Energy, Andritz India, Angellque International, Andhra Pradesh Power Generation Company, Appellate Tribunal for Electricity, Aries Power Systems, Arvos Group, Axis Capital, Bajaj Electricals, BHEL, BSES Rajdhani Power, Bygging India, Care Ratings, C&S Electric, Cargill, Central Electricity Regulatory Commission, CESC, Clean Max Enviro Energy Solutions, CLP, Cogeneration Association of India, Dalmia Cement (Bharat), Damodar Valley Corporation, Doosan Skoda Power, Energy Infratech, Engineering Council of India, ERDA, Essel Infrastructure, Essel Mining & Industries, Exide Industries, First Solar Inc, First Solar Power India, Fortum India, GIZ, Glencore India, Gujarat Energy Transmission Corporation, Gujarat State Electricity Corporation, Hilti India, ICF, ICICI Bank, ICRA, IIFCL, IL&FS Energy Development Company, Indian Energy Exchange, India Power, Indraprastha Power Generation Company, Infosys, Jindal Steel & Power, JSagar Associates, JSK Industries, JSW Energy, JSW Power Trading Company, Jyoti Structures, Kalpataru Power Transmission, KEI, KPMG Advisory Services, Lanco Power, L&T Infrastructure Finance Company, L&T Nabha Power, Macawber Beekay, Magnatech Smartgrid Solutions, MAHAGENCO, Mahindra, Maruti Suzuki, MGM Energy, Ministry of Power, Motilal Oswal Securities, National High Power Test Laboratory, NHPC, NHPTL, NTPC, ONGC Tripura Power Company, Orange Renewable, OSM India, PCI, PDP, Power System Operation Corporation, Power Grid Corporation of India, Praxair India, Prudent Insurance Brokers, PTC India Financial Services, RattanIndia Power, Renew Power, Reliance, Relligare Capital Markets, RNSM Energy Advisors LLP, Runh Power, State Bank of India, Shirpur Power, Siemens, Simex PPP Kit Services, Smart Power, SMEC, State Grid Corp-China, Sterlite Power Grid Ventures, Sterlite Power Transmission, Suzlon Energy, Tata Power Company, Tata Projects, Teesta Urja, Thermo Fisher Scientific India, The Singarenl Collieries, Thrivenl Earthmovers, Torrent Power, Toshiba, Volth Hydro, Yes Bank, Yes Securities (India), etc.

ORGANISERS

*Power Line is India's No. 1 magazine on the power sector published by **India Infrastructure Publishing**. It also publishes five other magazines - **Indian Infrastructure**, **Renewable Watch**, **tele.net**, **Gujarat Infrastructure** and **Smart Utilities**. Each of these magazines is a market leader in its segment. It also publishes a series of reports on the energy sector including **Coal-based Power Generation in India**, **Power Transmission in India**, **Power Distribution in India**, **Hydro Power Market in India**, **T&D Equipment Market Projections in India** and **Wind-Solar Hybrid Market in India**. The company also publishes **Power News** (a weekly newsletter) and the **Power Line Directory and Yearbook**.*

AGENDA/STRUCTURE

SECTOR TRENDS: PERFORMANCE AND OUTLOOK

This session will feature a presentation by a leading consultant

- ❖ What is the current power demand and supply scenario? What is the projected source mix?
- ❖ What have been the key developments in the transmission and distribution segments over the past year?
- ❖ What is the demand outlook across these segments? What are the drivers, risks and hurdles?

LEGISLATIVE OUTLOOK

This session will feature a presentation by a leading consultant

- ❖ What are the different legislations under consideration, including amendments to the Electricity Act, 2003?
- ❖ What is the likelihood of these getting approved?
- ❖ What would be their likely impact on the sector?

STATE OF DISCOM FINANCES

This session will feature a presentation by a leading consultant

- ❖ What is the status of discom financing with respect to profitability, AT&C losses, account payables, outstanding collection, etc.?
- ❖ Which states have shown improvement, if any?
- ❖ What are the projections and outlook for this fiscal year?
- ❖ What are the prospects for power producers, equipment manufacturers and technology providers given the challenges discoms face in paying for electricity and investing in networks?

THE WAY FORWARD FOR DISCOMS

This session will feature a panel discussion among representatives from private and public discoms, senior industry representatives and a leading consultant

- ❖ What have been the positive developments in power distribution over the past few years?
- ❖ What are the key unresolved issues and concerns?
- ❖ What is the realistic way forward?
- ❖ What can the central government do? What should the state governments do?

FUTURE ROLE OF COAL-FIRED PLANTS

This session will feature a panel discussion among representatives from the thermal power segment

- ❖ How is the share of coal in generation likely to change over the next 10-15 years?
- ❖ What will be the future role of coal-fired plants given the changes in the energy mix?
- ❖ What will be the impact of environmental compliance on generation costs and the cost competitiveness of coal-fired plants?
- ❖ How should coal-fired plant owners respond to changing dynamics (digitalisation, decommissioning, environmental measures, etc.)?

FUTURE OF THE POWER SYSTEM AND THE GRID

This session will feature a panel discussion among a key Powergrid representative, senior officials of state transcos and a transmission technology expert

- ❖ What are the new challenges and requirements of power systems (power plant ramps and backdowns, bidirectional and more complex transmission flows, 24x7 delivery, emergence of prosumers, increasing role of market)?
- ❖ What are policies and strategies needed to address these challenges?
- ❖ What are the new technologies that can help meet these requirements?

INTEGRATION OF RENEWABLES

This session will feature a panel discussion among a key SECI representative, senior managers from leading renewable energy IPPs, a transmission sector expert and an energy storage consultant

- ❖ What has been the impact of transmission constraints on renewable project development across states?
- ❖ What steps could be taken to address the transmission issues and expedite the Green Energy Corridors project?
- ❖ What are the best strategies to maintain load balancing and grid stability (storage, ancillary services, grid digitalisation, etc.)?

CHANGING ENERGY MIX

This session will feature a panel discussion among senior representatives from the operators of coal, renewables, hydro, nuclear and gas-based power plants

- ❖ What will be the energy mix in 2030?
- ❖ How will the cost change for different sources of power?
- ❖ What is the role that coal will play?
- ❖ How can the security and diversity of sources be ensured? How can the gas, hydro and nuclear capacity and potential be utilised?

INVESTOR AND LENDER PERSPECTIVE

This session will feature a panel discussion among senior representatives of leading funds, banks as well as other financial institutions

- ❖ What is the stance of lenders and investors on the sector?
- ❖ What are the biggest issues or pain points (stressed assets, PPA sanctity, discoms' outstandings, etc.)?
- ❖ What is the realistic way forward for the resolution of stressed assets?
- ❖ Which segments are of current interest for investors and lenders? What is their future outlook for the sector?

MARKET DEVELOPMENT

This session will feature a panel discussion among key representatives from the ministry and regulatory bodies, a senior manager from a power exchange and a leading consultant

- ❖ What has been the impact of power procurement by discoms on a competitive basis?
- ❖ What is the future of long-term PPAs? What is the role of exchanges?
- ❖ What is the impact of the changing market on power system requirements?
- ❖ What are the new products required to deepen the markets?

EMERGING AREAS OF OPPORTUNITIES: STORAGE AND CHARGING INFRASTRUCTURE

This session will feature a panel discussion among senior representatives from relevant utilities, project developers, technology providers & battery manufacturers

- ❖ What is the projected demand for storage solutions across the power value chain?
- ❖ What are the EV charging infrastructure requirements to meet the new e-mobility goals?
- ❖ What is the opportunity for utilities, developers and technology providers?

PROSPECTS FOR INDUSTRIAL POWER CONSUMERS

This session will feature a presentation by a leading consultant

- ❖ How are electricity tariffs going to change for industrial power consumers?
- ❖ What is the economics of sourcing from other options (exchange, captive, open access, etc.)
- ❖ What are the regulatory roadblocks? By when are the regulatory roadblocks to open access expected to be removed?

PREVIOUS SUMMIT SPEAKERS



Piyush Goyal
Minister of State, Power, Coal, New and Renewable Energy and Mines, GoI



R.V. Shahi
Chairman,
Energy Infratech



Jatindra Nath Swain
MD,
Solar Energy Corporation of India



Gurdeep Singh
CMD,
NTPC



V. Subramanian
Former Secretary,
Ministry of New and Renewable Energy



Balraj Joshi
Chairman & MD,
NHPC



I.S. Jha
CMD,
Power Grid Corporation of India Limited



H.L. Bajaj
Former Chairperson, CEA & Former Member, Technical, APTCL



Pankaj Batra
Former Chairperson,
Central Electricity Authority



Dr Arun Kumar Verma
Joint Secretary,
Ministry of Power



S.K. Soonee
Adviser,
POSOCO



Vishal Wanchoo
President and CEO,
GE South Asia



Aniruddha Kumar
Joint Secretary, Thermal,
Ministry of Power



J.P. Chalasani
Group CEO,
Suzlon



Sunil Wadhwa
CEO,
IL&FS Energy Development agency



Deepak Amitabh
CMD,
PTC India



T.N. Thakur
Former CMD,
PTC India



Sujoy Ghosh
Country Head-India
First Solar



Dr Ashok Haldia
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Gopal Saxena
Director, BSES Rajdhani Power and BSES Yamuna Power



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President & CEO-Power Business,
Essel Infraprojects



Sanjeev Kumar
CMD, Maharashtra State Electricity Distribution Company



Ravi Uppal
MD & Group CEO,
Jindal Steel & Power Limited



P.R. Jalshankar
CGM,
IIFCL



R.G. Gupta
MD,
Jaipur Vidyut Vitran Nigam Limited



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Joint MD and CEO,
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Supratim Sarkar
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Anish De
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D.S. Bains
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Senior VP,
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Amit Kapur
Partner,
JSA Law



Rahul Tongia
Fellow,
Brookings India

SNAPSHOTS FROM PREVIOUS YEARS



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Registration Form

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	INR	GST @ 18%	Total INR	Total USD	INR	GST @ 18%	Total INR	Total USD
One delegate	20,000	3,600	23,600	393	25,000	4,500	29,500	492
Two delegates	36,000	6,480	42,480	708	45,000	8,100	53,100	885
Three delegates	52,000	9,360	61,360	1,023	65,000	11,700	76,700	1,278
Four delegates	68,000	12,240	80,240	1,337	85,000	15,300	100,300	1,672

- There is also a 20 per cent "early bird" discount for those registering before September 20, 2019.
- There is a special low fee of Rs 5,000 per participant for power distribution companies (public), state-owned utilities. GST @ 18 per cent is applicable on the registration fee.
- Registration will be confirmed on receipt of the payment.
- To register online, please log on to <http://IndiaInfrastructure.com/conf.html>

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- Full payment must be received prior to the conference.
- Conference fee includes lunch, tea/coffee and conference materials.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt. Ltd.

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