



Department of IME



IEX
INDIAN ENERGY EXCHANGE
India's No.1 Power Exchange



Indian Energy Exchange (IEX) and Indian Institute of Technology Kanpur (IITK) are delighted to announce

A Three-day Residential Course on **POWER PROCUREMENT STRATEGY & POWER EXCHANGES**

April 20-22, 2015 at IIT Kanpur

Power Procurement Strategy and Power Exchanges

Course Objective

The Electricity Act 2003, subsequent CERC Regulations and setting up of Power Exchanges has brought a whole new set of opportunities for power procurement and price discovery in the most competitive manner. The Indian power market is in transition and there is need to understand the power procurement practices, short-term forecasting, risk management and decision making for investing in new generation and transmission capacity. Proposed amendments to the Electricity Act 2003 aim to usher in an era of retail competition. It would be useful to understand its impact on the power markets and opportunities arising out of the same. IEX and IITK have designed the course contents to provide knowledge and skills necessary for successful participation in power markets and also provide a thought leadership towards market development in the future.

Who should attend

The three-day intensive course is suitable for power sector stakeholders including Generation Companies, Distribution Utilities, Licensed Traders, Members and Clients of Power Exchanges, Staff of Central and State Electricity Regulatory Commissions, System Operators, Open Access Consumers (existing as well as potential), Developers planning investment in generation and transmission, Banks and Financial Institutions, Consultants as well as Academicians.

Our Value Proposition

The course is aimed at providing firm foundation to market economics and operations, demand and supply issues as well as key regulations and procedures governing market operations. Participants will have an opportunity to learn general principles of Economics of Power Markets, Power Procurement Planning, Demand Forecasting, Scheduling, Renewable Energy Certificates and Deviation Settlement Mechanism. Apart from this, the participants will also have hands on exposure to the best trading platform in India.

The pedagogy of the course aims to synergize theory and practice. The course contents, to be taught by power sector experts and academicians, are supported by insights based on IEX's years of successful energy trading experience and thought leadership from IITK. IEX and IITK plan to adopt interactive methodology for this program to ensure knowledge advancement and intellectual progression for the participants.



Course Agenda

Day 1 – Monday, 20 April, 2015	
0830 – 0900 Hrs.	Registration
0900 – 0915 Hrs.	Inaugural and Overview
0915 – 1045 Hrs.	Power Sector Reform, Electricity Act and Market Development Speaker: Mr. V.J. Talwar, Member (Retd.), APTEL*
1045 – 1115 Hrs.	Tea/Coffee Break
1115 – 1300 Hrs.	Retail Competition Speaker: Mr. Anish De, Partner (IGS), KPMG
1300 – 1400 Hrs.	Lunch Break
1400 – 1530 Hrs.	Economics of Power Markets Speaker: Dr. Anoop Singh, IIT Kanpur
1530 – 1600 Hrs.	Tea/Coffee Break
1600 – 1730 Hrs.	Power Procurement: Planning, Regulation and Practices (long, medium and short-term) Speaker: Mr. Sanjeev Mehra, MD, Tata Power Trading Co. Ltd.
1730 – 1745 Hrs.	Recap/Assignment
Day 2 – Tuesday, 21 April, 2015	
0900 – 1030 Hrs.	Open Access: Regulation & Operationalization Speaker: Mr. Rohit Bajaj, V.P., IEX
1030 – 1100 Hrs.	Tea/Coffee Break
1100 – 1230 Hrs.	Functioning of Power Exchanges: Regulation, Development and Products Speaker: Mr. Prasanna Rao, VP, IEX
1300 – 1400 Hrs.	Lunch Break
1400 – 1530 Hrs.	Trading on a Power Exchange: Indian Energy Exchange Speaker: Mr. Prasanna Rao, VP, IEX
1530 – 1600 Hrs.	Tea/Coffee Break
1600 – 1730 Hrs.	'Hands-on' with Trading Operations
Day 3 – Wednesday, 22 April, 2015	
0900 – 1030 Hrs.	Short-term Load forecasting Speaker: Dr. Puneet Chitkara, Technical Director (IGS), KPMG
1030 – 1100 Hrs.	Tea/Coffee Break
1100 – 1230 Hrs.	Short-term Power Procurement: Case Study/Simulation Study Speaker: Dr. Anoop Singh, IIT Kanpur
1230 – 1400 Hrs.	Lunch Break
1400 – 1530 Hrs.	Market for Renewable Energy Certificates Speaker: Ms. Minaxi Garg, DGM, NLDC
1530 – 1600 Hrs.	Tea/Coffee Break
1600 – 1730 Hrs.	Evaluation Test and Feedback
1730 – 1800 Hrs.	Valedictory Session

* Confirmation Awaited

Distinguished Faculty

Dr. Anoop Singh



Dr. Anoop Singh is Associate Professor at Dept. of IME, Indian Institute of Technology Kanpur. He has over 14 years' experience in academics and industry. His areas of interest include infrastructure regulation & policy, power sector regulation, energy/electricity pricing, renewable energy, energy efficiency, energy economics, climate change, project financing and cross-border energy co-operation. He has a number of research papers and three books to his credit. Prior to joining IIT Kanpur, he worked with Haryana Electricity Regulatory Commission.

Mr. Anish De



Mr. Anish De is a Partner with Infrastructure and Government Services (IGS) at KPMG. He has over 20 years of experience and specializes in fields of energy market design, generation, pricing, energy trading, renewable energy, fuels and utility regulation and transactions. He has played an active role in policy formulation and has contributed to the development of the National Electricity Policy, Tariff Policy and the Competitive Bidding Framework for the power sector in India. Prior to joining KPMG, he was the Chief Executive of Asian Operations of AF - Mercados – EMI.

Mr. Sanjeev Mehra



Mr. Sanjeev Mehra is currently working as Managing Director in Tata Power Trading Company Ltd. He has vast experience of around 33 years in Power Sector. He has completed his B.Tech & P.G. Diploma in Business Management. He has worked in NTPC, thereafter he joined Power Grid Corporation of India Limited. When trading of power was conceived, he joined PTC India Limited where he worked in various functions and was marketing head of long term and short term trading before joining Tata Power Trading Company Limited in September 2011 as Managing Director.

Ms. Minaxi Garg



Ms. Minaxi Garg is presently working as the Deputy General Manager, National Load Despatch Centre (NLDC) at Power System Operation Corporation Ltd. She is the nodal officer for the implementation of Renewable Energy Certificates Mechanism at NLDC. She has presented a number of papers in various International and National Workshops/seminars on implementation of REC Mechanism in India. Ms. Garg has an experience of over 30 years and has earlier worked with ONGC Ltd., NTPC Ltd. and POWERGRID.

Dr. Puneet Chitkara



Dr. Puneet Chitkara is an Electrical Engineer with a PhD in Energy Economics with more than 16 years of experience in power sector. His consulting and research experience spans India, Nepal, Bhutan, Bangladesh, Southern African Power Pool and Hong Kong, where he has advised Government, Private Equity Firms, Regulators, Developers and multi-lateral bodies. He had led the development of the Point of Connection Transmission Pricing Mechanism in India and Southern African Power Pool. His areas of interest involve power system modelling, portfolio optimization and benchmarking.

Indian Energy Exchange (IEX)

IEX is India's premier power trading platform. Providing a transparent, neutral, demutualized and automated platform for physical delivery of electricity, IEX enables efficient price discovery and price risk management for participants of the electricity market, including industries eligible for open access.

Today, about 4000 participants across utilities from 29 States, 5 Union Territories (UTs), 1000+ private generators (both commercial and renewable energy) and more than 3000 open access consumers are leveraging the Exchange platform to manage their power portfolio in the most competitive and reliable way.

Department of Industrial and Management Engineering (IME), Indian Institute of Technology Kanpur

Indian Institute of Technology Kanpur (IITK) is one of the premier institutions established by the Government of India. The aim of the Institute is to provide meaningful education, to conduct original research of the highest standard and to provide leadership in technological innovation for the industrial growth of the country. The Dept. of IME aims to provide quality management education through MBA, M.Tech. and Ph.D. programs Power sector reform and regulation is one of the key research and teaching areas in the department. The department has conducted numerous courses covering a variety of issues in the power sector. Details of some the previous courses can be checked from www.iitk.ac.in/ime/anoops



Solar Energy Research Enclave, IIT Kanpur



Department of IME, IIT Kanpur

Registration Form

Name & Designation:		
Organization/Company:		
Address:		
City:	Pincode:	Country:
Fax:	Mobile:	Phone:
Email:		

Details of Delegates

S. No.	Name	Designation	Email ID	Mobile No.

Registration Fees

FEES	INR
For Delegate	60,000

* Service tax extra (as applicable) on registration fee mentioned above.

A limited number of academic participants may be given a 20% fee discount on base fee (service tax applicable).

Registration would be confirmed on receipt of the payment on first-come-first-serve basis. There are only 30 seats for the course, therefore it is suggested that you book your seats early.

The Registration Fee includes:

- » The participation fees and course material
- » 3-Nights single AC accommodation at IIT Kanpur
- » 3-Days boarding charges including all meals, tea/coffee break
- » Pick-up and drop from/to airport/railway station in Kanpur or in Lucknow

Payment Details:

Via Cheque/Demand Draft

Cheque/DD should be drawn in favor of Indian Energy Exchange Limited, par payable at New Delhi.

Transfer Online

Beneficiary: Indian Energy Exchange Limited

Bank Name: HDFC Bank Limited

Branch: Fort, Mumbai

Bank Account Number: 15770340006939

Account Type: Current A/c

IFSC Code: HDFC0000060

(Please email/fax the duly filled in form to: Mr. Manish Arya at training@iexindia.com/+91-11-43004015)

IEX COURSE CO-ORDINATOR

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IITK COURSE CO-ORDINATOR

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