



Department of IME

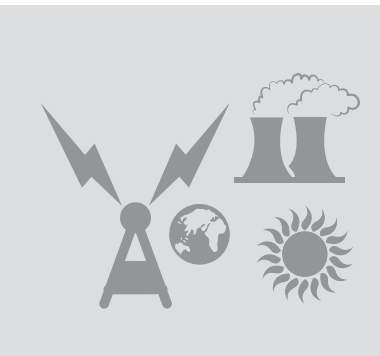


Indian Energy Exchange (IEX) and Indian Institute of Technology Kanpur (IITK) are delighted to announce

A three-day Residential Course on **POWER PROCUREMENT STRATEGY AND POWER EXCHANGES**



**July 28-30,
2014 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 a need to understand the power procurement practices, short-term forecasting, risk management and decision making for investing in new generation and transmission capacity. 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 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, 28 July, 2014	
0830 – 0900 Hrs	Registration
0900 – 0915 Hrs	Inauguration and Overview
0915 – 1045 Hrs	Power Sector Reforms and Market Development
1045 – 1115 Hrs	Tea / Coffee Break
1115 – 1300 Hrs	Economics of Power Markets
1300 – 1400 Hrs	Lunch Break
1400 – 1530 Hrs	Power Procurement: Planning, Regulation and Practices (Long, Medium and Short-term)
1530 – 1600 Hrs	Tea / Coffee Break
1600 – 1730 Hrs	Open Access: Regulation & Operationalization
1730 – 1745 Hrs	Recap/Assignment
Day 2 – Tuesday, 29 July, 2014	
0900 – 1030 Hrs	Market for Renewable Energy Certificates
1030 – 1100 Hrs	Tea / Coffee Break
1100 – 1230 Hrs	Functioning of Power Exchanges: Regulation, Development and Products
1300 – 1400 Hrs	Lunch Break
1400 – 1530 Hrs	Trading on a Power Exchange: Participation on IEX Trading Platform
1530 – 1600 Hrs	Tea / Coffee Break
1600 – 1730 Hrs	'Hands-on' experience on IEX Trading Platform
1730 – 1745 Hrs	Recap/Assignment
1830 – 2000 Hrs	'Hands-on' experience on IEX Trading Platform (Contd.)
Day 3 – Wednesday, 30 July, 2014	
0900 – 1030 Hrs	Short-term Load forecasting
1030 – 1100 Hrs	Tea / Coffee Break
1100 – 1230 Hrs	Short-term Power Procurement: Case Study / Simulation Study
1230 – 1400 Hrs	Lunch Break
1400 – 1530 Hrs	Risk Management in Power Markets
1530 – 1600 Hrs	Tea / Coffee Break
1600 – 1730 Hrs	Evaluation Test and Feedback
1730 – 1800 Hrs	Valedictory Session

Distinguished Faculty

Mr. Sushanta K. Chatterjee



Mr. Sushanta K. Chatterjee is presently Joint Chief (Regulatory Affairs) with Central Electricity Regulatory Commission (CERC). He has long experience of dealing with power sector reforms, especially, Regulatory Reforms since its inception in 1998. He has acquired PhD in Management while researching on REC framework in India. His present academic and professional pursuits involve specialisation in public policy and regulation with focus on renewable. He is/has been a member of various government committees on Regulatory Aspects and has various publications to his credit.

Dr. Anoop Singh



Dr. Anoop Singh is Associate Professor at Dept. of IME, Indian Institute of Technology Kanpur. He has over 13 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 cooperation. 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. Sanjeev Mehra



Mr. Sanjeev Mehra is currently working as Managing Director in Tata Power Trading Company Ltd. He has vast experience of around 32 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 the implementation of REC Mechanism in India. Ms. Garg has an experience of over 29 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 15 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 lead 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, over 3000 participants across utilities from 27 States, 5 Union Territories (UTs), 500+ private generators and 2300+ 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 of 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 No.:	Mobile No.:	Phone No.:
Email Id.:		

Details of Delegates

S.N.	Name	Designation	Email ID	Mobile No.

Registration Fees

FEES	INR
For Delegate	50,000* #

* Service tax of 12.36% is applicable on registration fee as 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 filled form to: Mr. Manish Arya at training@iexindia.com / +91-11-43004015)

IEX COURSE COORDINATOR

Mr. Manish Arya, INDIAN ENERGY EXCHANGE LTD., 100A/1 Ground Floor, Capital Court, Olof Palme Marg, Munirka, New Delhi (India)- 110067. Tel No.: +91-11-43004075 | www.iexindia.com

IITK COURSE COORDINATOR

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