



Indian Energy Exchange (IEX) and
Administrative Staff College of India (ASCI)

Jointly Present



**A Three-day Residential Course on
“Developments in
Power Market
(Impact of Renewables
and EVs)”**

November 26-28, 2018
at ASCI Hyderabad

A Three-day Residential Course on “Developments in Power Market (Impact of Renewables and EVs)”

Course Overview:

Indian Energy Exchange (IEX) is organizing a 3-day residential Leadership course on “Developments in Power Market (Impact of Renewables and EVs)” in association with Administrative Staff College of India (ASCI), Hyderabad. The program is designed by the experts from IEX and ASCI with a focus on recent developments in the Power sector. The venue for this program is ASCI Hyderabad Campus and program has been conveniently scheduled during 26-28 November, 2018.

Course Objectives:

This Course is aimed to provide insights into the development of electricity markets in India and to provide a platform for discussing the challenges and way ahead. The program purposes to:

- Enable Participants Grasp the Fundamentals of Electricity Markets
- Develop insights into the functioning and regulation of power markets
- Prepare for consolidation of power infrastructure with electric vehicles and renewables

Who Should Attend:

The training course has been specifically designed for senior to middle level professionals from industry and practitioners from the entire power sector spectrum including:

- Generation, Transmission and Distribution companies
- Officers of Regulatory commission
- RE Generators
- Open Access Customers
- Traders
- Electric Vehicle Manufacturers
- Electric Vehicle Charging Operators
- Financial Institutions and Banks
- Academicians
- Consultants

Our Value Proposition:

The pedagogy of the course aims to synergize theory and practice. The course contents, to be taught by power sector, electric vehicle and renewable energy experts and academicians, are supported by vision of experts, thought leadership from ASCI. IEX and ASCI plan to adopt interactive methodology for this program to ensure knowledge advancement and intellectual progression for the participants.

Course Agenda

Program Coverage

The following modules would be handled by experts and practitioners in the power sector

Power Markets Fundamentals

- Reforms Proposed by EA Amendment bill 2014 & New Regulations
- Energy Markets (Electricity, Coal and Gas)
- Power Trading Models & Ancillary Services

Power Market Operations

- Functioning of Power Exchanges: Regulation, Development and Products
- Trading on a Power Exchange: Indian Energy Exchange

Emerging Challenges

- Derivatives Market in Electricity
- Smart Grids: Relevance to Utilities and Future Outlook
- Renewables and Integration with Grid
- Business of Charging Infrastructure for Electric Vehicles and Energy Storage & Its impact on Power Market
- Load Forecasting

3-Day Residential Program

Day & Date	0900 - 1030 hrs	1100 - 1230 hrs	1400 - 1530 hrs	1600 - 1730 hrs
Monday 26-11-2018	Inaugural & Overview Visit to Library <i>Speaker:</i> Dr. Usha Ramachandra, <i>Professor, ASCI</i>	Reforms Proposed by EA Amendment bill 2014 & New Regulations <i>Speaker:</i> Dr. V. Bhaskar, <i>Retd. Chairman, APERC</i>	Energy Markets (Electricity, Coal and Gas) <i>Speaker:</i> Dr. Usha Ramachandra, <i>Professor, ASCI</i>	Derivatives Market in Electricity, <i>Speaker:</i> Mr. Akhilesh Awasthy, <i>Director M.O., IEX</i>
Tuesday 27-11-2018	Power Trading Models & Ancillary Services <i>Speaker:</i> Mr. Sanjeev Mehra, <i>MD, Tata Power Trading Company Ltd</i>	Functioning of Power Exchanges: Regulation, Development & Products <i>Speaker:</i> Mr. Prasanna Rao, <i>VP, IEX</i>	Trading on a Power Exchange: Indian Energy Exchange <i>Speaker:</i> Mr. Prasanna Rao, <i>VP, IEX</i>	Smart Grids: Relevance to Utilities and Future Outlook <i>Speaker:</i> Mr. Praveen Chorghade, <i>Chief - Core Technology & Diagnostic, Tata Power</i>
Wednesday 28-11-2018	Renewables and Integration with Grid <i>Speaker:</i> Dr. Rahul Tongia, <i>Fellow, Brookings Institute</i>	Business of Charging Infrastructure for Electric Vehicles and Energy Storage & Its impact on Power Market <i>Speaker:</i> Dr. M Saad Alam, <i>Associate Professor, AMU</i>	Load Forecasting <i>Speaker:</i> Mr. Kapil Sharma*, <i>Sr. Exe. VP, Adani Electricity</i>	Summary & Feedback - ASCI/ IEX

*To be confirmed

Distinguished Faculty:



Dr. Usha Ramachandra

Dr. Usha Ramachandra, Professor and Area Chairperson of Energy Area, ASCI, is a Doctorate in Economics, from Central University, Hyderabad. She has worked extensively in the South Asia region as a resource person on energy and power sector related issues. She has worked on consulting assignments with power utilities, state and central regulatory commissions and governments in a variety of areas including tariff filing, tariff analysis, demand and supply estimates, regulations and policy related issues. Apart from being actively involved in ASCI's management development programmes, she has several publications, conference and workshop presentations to her credit.



Dr. V. Bhaskar

Dr. V Bhaskar has worked as the Chairman, Andhra Pradesh Electricity Regulatory Commission. He has retired from the IAS with international, national and state level experience of policy formulation and implementation of issues relating to public administration, including finance, taxation, and energy regulation. He obtained his Masters in Public Administration from Harvard University and his PhD in Economics from the University of Hyderabad. He has published a number of papers on energy sector regulation.



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 the field of 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.



Mr. Praveen Chorghade

Mr. Praveen Chorghade has been associated with almost all aspects of the power sector businesses over the last 36 yrs. He is currently responsible for the Tata Power's Core Technology & Diagnostics function, which provides a corporate oversight on Asset performance, O&M, diagnostics & up keep of Tata Power's Generation, Transmission & renewable assets. He has been a driver of technology adoption, automation and change in the power generation & distribution utility projects, O&M functions and practices. He has earlier had a 24 years stint in NTPC in various capacities in commissioning, testing, O&M of thermal power plants and at the Power Management Institute for Management Training & Consulting.



Dr. M. Saad Alam

Dr. M. Saad Alam is a PhD in electrical engineering from Tennessee Tech University, USA. He joined the automotive team of GM, Daimler Chrysler, Mercedes Hybrid and BMW, working as joint consortium on the development of hybrid and electrified power-train. He has worked on the concept hybrid vehicle projects at Chrysler group LLC and played a key role in Battery Management System and Charging Infrastructure (2008-10), thereafter on FIAT Projects on hybrid power train till 2013. He has also worked for Ford Motor Company R&D on concept future projects on autonomous PHEVs and EVs. He is an Associate Professor of Electrical Engineering at Aligarh Muslim University, also leading the Smart Microgrid project initiative for AMU in collaboration with Ministry of Power and Indian Smart Grid Forum (ISGF).



Mr. Akhilesh Awasthy

Mr. Akhilesh Awasthy is a professional with long qualitative and enriching techno - commercial experience in the power sector. He has led a multi disciplinary team for implementation of India's first Power Exchange, Indian Energy Exchange, and presently he is working as Director (Market Operations & IT). He has devised systems and procedures for operations of the exchange which is catering to more than 3000 grid connected entities, flawlessly. Presently he is working on various solutions to address issues affecting implementation of Open Access, non implementation of which is hampering development of Power Market in the Country. He has done his Master in Electrical Engineering and is a Cost & Management Accountant (CMA).

Indian Energy Exchange (IEX)

IEX is India's first and largest power exchange offering participants an automated platform to trade in Electricity, Renewable Energy Certificates (RECs) and Energy Saving Certificates (ESCerts). The Exchange enables competitive and efficient price discovery, increases the accessibility and transparency of the power market and enhances the speed and efficiency of trade execution.

Today, the Exchange has more than 6300+ participants across utilities from 29 States, 5 Union Territories (UTs), 480+ private generators (both commercial and renewable energy) and more than 4000 open access consumers who are leveraging the Exchange platform to manage their power portfolio in the most competitive and reliable way.

Administrative Staff College of India (ASCI)

The Administrative Staff College of India was established at Hyderabad on 18 May 1956 at the initiative of the government and the corporate sector. It is registered as a society under the 'Societies Registration Act'. Altogether 93 organizations in India, comprising public and private sector corporations and state governments, are members of its College Society. The ASCI has pioneered 'post experience management education', research and consultancy activities for government, public and private sectors. It is essentially an institution for practicing managers and over the last 57 years over 1.25 lakh executives have passed through its portals. The objective is to skill and handhold the organizations and transforms the creative ideas into sustainable practices for effective service delivery. The ASCI believes in 'leadership through learning'.



Registration Form

Name & Designation:		
Organization/Company (For Invoice):		
Address (For Invoice):		
City:	Pincode:	Country:
Fax:	Mobile:	Phone:
E-mail:		

Details of Delegates

S.No.	Name	Designation	Email ID	Mobile No.

Registration Fees

FEES	INR
For Delegate	50,000*

* GST extra (18%) on registration fee mentioned above.

Registration would be confirmed on receipt of the payment on first-come-first-serve basis. There are limited 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 ASCI Hyderabad
- » 3-Days boarding charges including all meals, tea/coffee break
- » Pick-up and drop from/to airport/railway station in Hyderabad

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 form to: Mr. Manish Arya at training@iexindia.com/+91-11-43004015)

IEX Course Co-ordinator

Mr. Manish Arya, INDIAN ENERGY EXCHANGE LTD., Unit No. 3-6 Fourth Floor, Plot No. 7, TDI Center, District Centre, Jasola, New Delhi (India) – 110025. Tel No.: +91-11-43004075 | www.iexindia.com

ASCI Course Director

Dr. Usha Ramachandra, Professor & Chairperson, Energy Area,

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