

# **Short Term Training Courses**

**on**

**Regulatory Regime - Challenges and Constraints,**  
April 30-May 1, 2007

**Technical Regulations in Electricity Sector,**  
May 21-23, 2007

**Economic Regulations in Electricity Sector,**  
June 7-9, 2007

**Regulation in Electricity Sector**  
**(with specific reference to Renewable Energy)**  
June 18-23, 2007

**Management in Electricity Sector Regulation,**  
July 5-7, 2007

**Contract Negotiation in Infrastructure Projects,**  
Aug. 16-18, 2007



Offered by

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

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**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

**Alternate Hydro Energy Centre**  
ROORKEE - 247 667 (Uttarakhand), India

## **SHORT TERM TRAINING COURSES IN REGULATORY AND CONTACT NEGOTIATION SECTOR**

In the era of regulation of electricity there is an urgent need of specialized training at all levels to appreciate, understand and respond to the needs by generation, transmission, distribution companies, government officials and regulatory personnel. IIT Roorkee in association with the experts in the field drawn from Government, regulatory bodies, consultants, trading company, individual experts is organising these programmes to give the best in technical, legal, managerial; contract and economic aspects of electricity regulation.

Following training programme are being organized at IIT, Roorkee.

**Type I: 2 days duration with the targeted participants decision makers e.g. CEOs, MDs, Company Secretaries of power sector utilities, developers and government departments.**

\* Regulatory Regime - Challenges and Constraints: April 30-May 1, 2007

**Type II: 3 days duration with the targeted participants senior and middle levels e.g. GMs, Chief Engineers, Superintending Engineers, Chief Account Officers of power sector utilities, developers, government departments, regulatory commissions, financial institutions.**

\* Technical Regulations in Electricity Sector: May 21-23, 2007

\* Economic Regulations in Electricity Sector: June 7-9, 2007

\* Management in Electricity Sector Regulation: July 5-7, 2007

\* Contract Negotiation in Electricity Sector: Aug. 16-18, 2007

**Type III: 5 days duration with the targeted participants middle level e.g. DGMs, Superintending Engineers, Executive Engineers, Account Officers etc. of power sector utilities, developers, government departments, financial institutions and regulatory commission etc.**

\* Regulation in Electricity Sector (with specific reference to Renewable Energy):  
June 18-23, 2007

## **Regulatory Regime - Challenges and Constraints:**

April 30-May 1, 2007

### **Objectives**

Professionals in the power sector who were trained to maintain vertically integrated utilities are required to work in a deregulated environment which has been undergoing many changes. The objective of this training programme is to broaden professional base of the executives for improving the performance of their agency in the new competitive world by introducing regional and international experience in the management of utilities.

### **Contents :**

The course shall cover following:

- International experience of regulatory practices
- Review of Indian regulation prevailing practices
- Does independent regulation exist in India?
- Pricing issue relating to open access, captive use, third party sale marginal cost, risk analysis, bulk power, purchase and sale.
- Transmission pricing related issues
- Independent grievance redressal system
- Preparedness for regulatory regimes

## **Technical Regulations in Electricity Sector:**

May 21-23, 2007

### **Objectives**

The aim of the course is to improve the knowledge of participants on technical regulatory inspection including power sector project appraisal, environmental monitoring, reporting requirements for utility, protecting customers' interest, resolving disputes and complaints, and also, Licensing/Certification of electrical professionals. A brief introduction to the other technical regulation practices adopted in several significant countries will also be discussed in this course. After completion of the course, one can develop their own action plan to create appropriate procedures and to implement in the agency.

### **Contents :**

The course shall cover following:

- International experience of regulatory practices
- Review of Indian regulation practices
- Customer behavior
- Performance standard
- Technical inspection
- Licensing
- Performance monitoring and enforcing compliances
- Role of IT in power sector
- Issues in bulk purchase contracts
- Public private partnership

## **Economic Regulations in Electricity Sector:**

June 7-9, 2007

### **Objectives**

The objective of this training program is to obtain a common level of knowledge about electricity market issues. The program will cover all the important aspects of economic regulations of electricity sector ranging from Pricing Methodology, Tariff Setting, Demand Side Management, Policy Framework / Drafting approaches to Negotiation Skill, Performance Standard Settings and Evaluation Techniques. The course starts from basic introductory material but it also aims at covering the major subjects of economic regulation at a level of depth that meets the professional needs of staff in regulatory institutions and in energy companies.

### **Contents :**

The course shall cover following:

- International experience of regulatory practices
- Legal policy and Indian regulation practices
- Project appraisal
- Tariff formulation
- Yardstick regulation
- Leadership
- Organisational behavior in India
- Implications of recent judgments of higher courts/tribunals

## **Regulation in Electricity Sector:**

**(with specific reference to Renewable Energy):**

June 18-23, 2007

### **Objectives**

The continued growth of the renewable energy industry has been influenced by the competition in energy market. Demands for cheaper power in the short term would likely decrease demand for renewable energy and hence there is a need to make provision in the electricity restructuring legislation in order to breathe new life into this industry. Beside this, we have responsibility to develop energy usage patterns that will minimize damage to the environment. The objective of this course is to make participants aware about regulatory reforms in power sector, policies for promoting renewable energy in regulatory environment, market development, economic incentives

### **Contents :**

The course shall cover following:

- International experience of regulatory practices
- Review of Indian regulation practices
- Performance appraisal evaluation and monitoring
- Performance standards
- Techniques of tariff formulations
- Transmission pricing
- Communication techniques
- Public private partnerships
- Labour issues
- Demand side management
- Load management and technical and commercial losses and reduction
- Mock exercise of regulation practicing like public hearing, general procedures

## **Management in Electricity Sector Regulation:**

July 5-7, 2007

### **Objectives**

The course is design to enhance the management skills required for implementing policies and managing sustainable regulatory systems in electricity sector. This program is intended to train the team leaders, department and service heads of Regulating Agencies and Utilities to enhance their effective human, financial and performance management, and also for building professional relationship with Regulatory Office and Utility executives.

### **Contents :**

The course shall cover following:

- International experience of regulatory practices
- Review of Indian regulation practices
- Role of IT
- Communication techniques
- Public private partnerships
- Demand side management
- Load management and technical and commercial losses and reduction
- Organisational behavior in India
- Implications of recent judgments of higher courts/tribunals



## **Contract Negotiation in Infrastructure Projects:**

Aug. 16-18, 2007

### **Objectives**

To provide necessary details, skills and experience required for infrastructure projects:

### **Contents :**

The course shall cover following:

- Types of Contracts
- Experience of IPP's
- Experience of Bidding for Infrastructure Projects
- Critical issues related to contracts
- Negotiation skills
- Public private partnership

## **Resource Persons:**

The course shall be delivered by the experts/ faculty from the IIT Roorkee, Policy Research Institute, Electricity regulatory Commission officers and eminent Individual experts on Infrastructure Development and Regulation in different organizations/ firms

### **Faculty of IIT Roorkee from**

Department Electrical Engineering  
Department of Humanities & Social Sciences  
Department of Management Studies  
Alternate Hydro Energy Centre

### **In association with eminent experts**

Mr. J L Bajaj, Member, Distinguished Fellow (TERI) and Former Chairman, UPERC  
Mr. Mahendra Kumar Garg, Chief Executive, Reliance Energy Trading Ltd.  
Mr. Amit Kapur, Parnter J. SA and Senior Advocate, Supreme Court, New Delhi  
Mr. Anand Kumar, Secretary, Uttaranchal Electricity Regulatory Commission  
Mr. AK Sachan, MD, Assam Power Distribution Company  
Mr. Jagdish Sagar, Former Chairman, Delhi Electricity Supply Co.  
Mr. K. Venugopal, Member, Delhi Electricity Regulatory Commission  
Dr. Anup Wadhawan, Senior Utilities Specialist, WSP-SA, WB  
Central Electricity Authority and Power Trading corporation(PTC) India Limited and other  
Specialist Institutions.

## Course Fee:

To cover the expenses of the training course, a fee as given below shall be payable by the candidate / sponsoring organization alongwith the duly filled nomination form in favour of Head, Continuing Education Centre, IIT Roorkee through a Bank Draft payable at Roorkee and sent to Head, Alternate Hydro Energy Centre. The course fee covers the boarding/lodging, training expenses, literature etc. The accommodation is arranged in the Guest House of sponsored courses of Continuing Education Centre and Khosla International House. The participants are expected to reach Roorkee by the evening of the day preceeding of the course commencement.

Fee per Candidate		Course Title	Dates
National	Foreign		
Rs. 20,000/-	US \$ 600	Regulatory Regime - Challenges and Constraints,	April 30-May 1, 07
Rs. 20,000/-	US \$ 600	Technical Regulations in Electricity Sector,	May 21-23, 07
Rs. 20,000/-	US \$ 600	Economic Regulations in Electricity Sector,	June 7-9, 07
Rs. 20,000/-	US \$ 600	Management in Electricity Sector Regulation,	July 5-7, 07
Rs. 20,000/-	US \$ 600	Contract Negotiation in Electricity Sector,	Aug. 16-18, 07
Rs. 20,000/-	US \$ 600	Regulation in Electricity Sector (with specific reference to Renewable Energy)	June 18-23, 07

## **About IIT Roorkee:**

The Indian Institute of Technology Roorkee (IIT Roorkee), the successor of the University of Roorkee is the oldest technical institution of the country. This oldest seat of learning in technical education, the youngest IIT in the country, offers 10 undergraduate programmes leading to Bachelor's degree in different disciplines of technology and architecture and 62 post-graduate programmes in specialized areas leading to Master's degree and PG Diploma in technology, architecture, science and management.

The Institute has about 360, faculty engaged in teaching and research, but also offers its expertise through consultancy services to private and public sector industries as well as to various government agencies. The Institute has about 1700 undergraduate students, 1400 postgraduate students, and nearly 600 Ph.D. students. Out of these, approximately 280 students are from several developing countries of Asia and Africa. IIT, Roorkee has a rich experience in training the candidate/ officers especially from African Countries for the last fifty years. Alternate Hydro Energy Centre an academic centre of IIT, Roorkee has conducted over about 18 two weeks duration international training courses with 20-30 exclusive participants from Africa and Asian countries recently including 3 international and 8 national training courses on Electricity Regulation and Distribution Reforms related area.

## **Number of Seats:**

There are only 20 seats in each Programme. Accordingly, the participants are advised to send their nominations at the earliest. The admission will be granted on first cum first basis.

## **Venue:**

The course will be held at Indian Institute of Technology Roorkee (Uttaranchal), India. Roorkee is about 180 km North of Delhi and has a number of academic and research Institutions. It is connected by road and rail from Delhi. The nearest international airport is in New Delhi. A large number of interstate buses Ply from Delhi to Roorkee on way to Haridwar (31 kms from Roorkee) and Dehradun (75 kms from Roorkee). Roorkee is also connected by rail from Delhi and other important towns.

## **Travel:**

The nominating organization(s) or the participant(s) shall bear all expenses on travel from their home town to Roorkee and return.

The organizer and sponsor would not have any responsibility for risk of illness, accidents and loss of property incurred by the participants. Participants are strongly advised to insure themselves for such risks. Participants should be in good health, proficient in English reading, speaking and listening.

The participant(s) from foreign countries shall have to bear all expenses on travel from their home town to Delhi International Airport and back. However, their travel from Delhi Airport to Roorkee and back of to Delhi airport shall be arranged/met by host institution on the receipt of the confirmed programme well in advance.

# REGISTRATION FORM

## SHORT TERM TRAINING COURSES ON

Please tick mark (✓) the course(s)

- \* Regulatory Regime - Challenges and Constraints April 30-May 1, 2007
- \* Technical Regulations in Electricity Sector May 21-23, 2007
- \* Economic Regulations in Electricity Sector June 7-9, 2007
- \* Regulation in Electricity Sector June 18-23, 2007  
(with specific reference to Renewable Energy)
- \* Management in Electricity Sector Regulation July 5-7, 2007
- \* Contract Negotiation in Infrastructure Projects Aug. 16-18, 2007

Name: (Mr./Dr./Mrs.) .....  
(Write in block letters)

Age:..... Gender: Female/Male Position :

Company/Organisation :.....

Mailing Address:  
.....  
.....

Tel (Off.):..... Residence:.....  
(with code)

Fax: ..... E-mail .....

Mobile : .....

Duties and Responsibilities:  
.....

Sponsoring Organisation: .....

## **Educational Background**

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Degree	Year	Field of Study
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**Date**

**Signature**

Seal

**For further information and registration, please contact or write to :**

Head,

Alternate Hydro Energy Centre

Indian Institute of Technology Roorkee

(formerly University of Roorkee)

Roorkee-247667 (Uttarakhand), India

Phone (Office) : +91-1332 - 274254, 285213

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Web Site: [www.ahec.org.in](http://www.ahec.org.in), [www.iitr.ernet.in/acads/centers/ahec/](http://www.iitr.ernet.in/acads/centers/ahec/)

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