



# Centre for Energy Regulation

Department of Management Sciences  
Indian Institute of Technology Kanpur  
Kanpur - 208016



## Regulatory Certification Program Renewable Energy: Economics, Policy and Regulation

**Centre for Energy Regulation (CER)** at **IIT Kanpur** has been engaged in capacity building and supplementing regulatory research for the power/energy sector. CER's *Regulatory Certification Program* on **Renewable Energy: Economics, Policy and Regulation** focuses on regulatory and policy framework for renewable energy development. Building on economic foundations, the program would enable a better understanding of the evolving regulatory and policy framework for Renewable Energy (RE). The course would also provide learning from the international experience on RE integration. Apart from live sessions, a set of recorded sessions would be hosted at CER's Online Learning Environment and Tools (OLET) platform. Apart from faculty from IIT Kanpur, the sessions for the program would be contributed by leading national and international experts.

### Relevance of the Program

- Focus on policy and regulatory framework for renewable energy development
- Economic foundation for design of renewable portfolio obligation, feed-in tariff and renewable energy certificates
- Learning from international experience with integration of renewable energy sources
- Address the present and emerging challenges related to RE integration

### Program Outcomes

- Conceptual understanding of renewable energy policy and regulation
- Opportunity to learn best practices from global experts
- Develop the ability to deal with the practical problems such as RE generation forecasting, scheduling and despatch
- Learning from technologies used to integrate and optimize distributed energy sources to enhance the grid's reliability



#### Learning Level

Module 1: Fundamental  
Module 2: Advanced



#### Course Duration

20-25 hrs (Over 2-3 weeks)



#### Interactive Learning

Live Interactive Sessions

## Course Modules

- Fundamental
  - Fundamentals of Renewable Energy: Economics, Policy and Regulation
- Advanced
  - Advanced Topics on Renewable Energy: Economics, Policy and Regulation

## Evaluation & Certification

- Assessment based on
  - Completion of online content
  - Participation in online discussions
  - Performance in Lecture Quizzes
- End of Module Exam
- Award of Certificate

## Key Topics

- RE Development - Global and Local Context
- RE Policy and Regulation
- Tariff Determination of Renewable Energy
- Framework for RPO and its Compliance
- Competitive Bidding for RE
- Gross/Net Metering and DERs
- Solarization of Agriculture Pump Sets
- REC Structure and Pricing Mechanism
- Market for RECs and ESCerts
- Forecasting, Scheduling and Deviation Settlement
- Green Hydrogen : Economics and Policy
- Green Hydrogen : Technology, Mission, Standards and Implementation Roadmap
- Current Trends and Future Prospects of Renewable Energy

## Registration

- The program would be conducted under the aegis of Centre for Continuing Education, IIT Kanpur
- For further information visit <https://cer.iitk.ac.in/RCP>

## Who Should Apply?

- Officials of Renewable Energy Development Agencies, Renewable Generation Companies, Open Access Consumers, Project Developers along with stakeholders across the power sector, including Generation, Transmission, and Distribution Companies, Traders and Power Exchanges, Electricity Regulatory Commissions (including members), Investors, Financial Institutions and Banks, NGOs, Consultants, Lawyers, CAs/CS, Academicians, Researchers, and Students.

## Portal: Online Learning Environment & Tools (OLET)

**Regulatory Certification Program (RCP)**

Courses My Courses FAQ

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**All Courses**

**Power Sector Regulation: Theory and Practice**

- Fundamentals of Power Sector Regulation
- Advance Topics on Power Sector Regulation

**Power Market Economics and Operation**

- Economics of Power Markets
- Power Procurement Planning and Strategy

**Renewable Energy: Economics, Policy and Regulation**

- Fundamentals of Renewable Energy: Economics, Policy and Regulation
- Advance Topics on Renewable Energy: Economics, Policy and Regulation

## Other Initiatives



## Contact us:

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