



Centre for Energy Regulation

Department of Industrial and Management Engineering
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. This would be supplemented with CER's Online Discussion Forum (ODF), enabling discussion among participants on the topics covered under the ongoing programs. 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 dispatch
- 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



Interactive Learning

Additional Interactive Sessions
Group Project

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 Framework
- 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
- Current Trends and Future Prospects

Registration

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

Who should Apply?

- Commissioners and Officers from Electricity Regulatory Commissions; Stakeholders from Licensees (Transmission, Distribution and Trading), Load Dispatch Centers, RE Development Agencies, Financial Institutions, Consultants, Investors Faculty, Researchers and Students from Academic Institutions, Consumer Organizations, NGOs and other stakeholders who want to enhance their understanding of this multi-disciplinary area.

Portal: Online Learning Environment & Tools (OLET)

Regulatory Certification Program (RCP)

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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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