



Centre for Energy Regulation

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



**Registration Ends:
December 12, 2025**

December 13, 2025 – January 11, 2026

Regulatory Certification Program Renewable Energy: Economics, Policy and Regulation

CER's Regulatory Certification Program on Renewable Energy: Economics, Policy and Regulation focuses on the regulatory and policy framework for renewable energy development. Building on economic foundations, the program aims to enable a better understanding of the evolving regulatory and policy framework for Renewable Energy (RE). Apart from live sessions, a set of pre-recorded sessions will be hosted on CER's Online Learning Environment and Tools (OLET) platform, followed by live interactive sessions. The program will be delivered by leading national and international experts.

Newly Added Topics

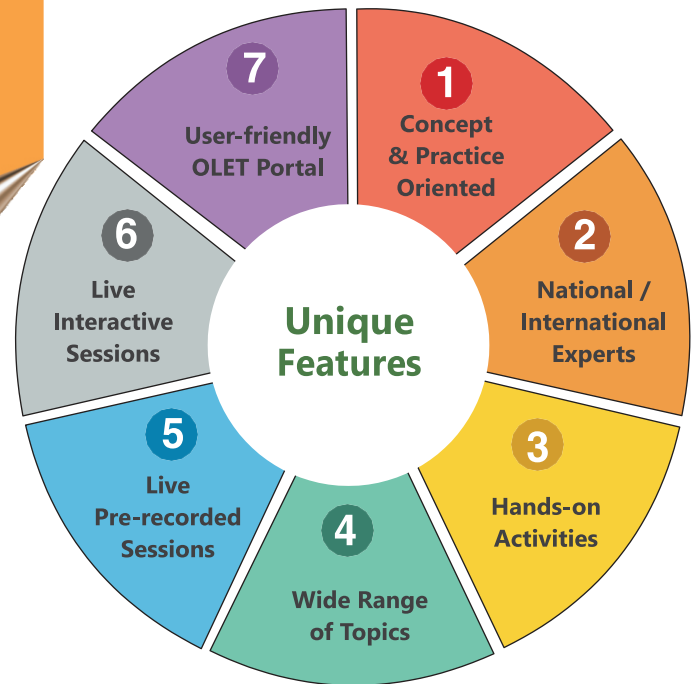
- Evolution of RPO & RCO and their compliance
- Framework for the Emerging Indian Carbon Market
- Developing Competitive Bidding based RE + Storage: A Case Study
- Green Energy Procurement by Data Centres
- Peer-to-Peer Distributed Energy Market

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
- Learnings from national and international best practices
- 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

30+ hrs (Over 3 weeks)



Interactive Learning

Live Interactive Sessions

Registration link : https://cer.iitk.ac.in/re_reg/?id=3#register

Scan to Register



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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
- End of Module Exam
- Award of Certificate

Registration

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

Key Topics

- Evolution of Renewable Energy: India & Global
- Power Sector Economics: Market Failure & Natural Monopoly
- Evolution of RE Policy & Regulatory Framework
- Regulated Tariff Determination for RE (Part 1 & Part 2)
- Renewable Energy Certificates: Market & Institutional Framework
- Solarisation of Agricultural Pumps: Subsidy to Income Model
- Competitive Bidding for RE: Process and Experience So Far
- Competitive Bidding for RE plus Storage: Case Study **NEW**
- Designing a Rooftop Solar Program: Net vs Gross Metering
- RE Procurement in Practice: GTAM, GDAM & Emerging Markets
- RE Scheduling, Dispatch & Deviation Settlement
- RE Integration Challenges: System Operators View
- RE Integration Solutions: Thermal Flexibility & Storage
- Forecasting RE & Demand for Grid Management
- Virtual Power Purchase Agreements: Design & Implementation
- PAT Mechanism & ESCerts
- Evolution of RPO & RCO and their compliance **NEW**
- Framework for the Indian Carbon Market **NEW**
- Green Energy Procurement by Data Centres **NEW**
- Peer-to-Peer Distributed Energy Market **NEW**
- Green Hydrogen: Technology, Economics and Way forward

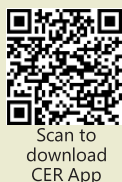
Who Should Apply?

- Officials from Electricity Regulatory Commissions (including Members), Generation Companies, Licensees (including Transmission, Distribution and Trading), Power Exchanges, Financial Institutions, Banks, Consultants/Analysts, Investors, Lawyers, CAs/CS, 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)

The screenshot shows the OLET portal with a navigation bar at the top containing 'Programs', 'OLET', 'FAQ', a search bar, and a 'Download Certificate' button. Below the navigation bar, there are three main program cards, each with an 'I'm interested!' button and a 'Register Now!' button. The first card is 'Power Sector Regulation: Theory and Practice' with sub-topics 'Fundamentals of Power Sector Regulation' and 'Advance Topics on Power Sector Regulation'. The second card is 'Power Market Economics and Operation' with sub-topics 'Economics and Operation of Power Market' and 'Power Procurement Planning and Strategy'. The third card is 'Renewable Energy: Economics, Policy and Regulation' with sub-topics 'Fundamentals of Renewable Energy: Economics, Policy and Regulation' and 'Advance Topics on Renewable Energy: Economics, Policy and Regulation'.

Other Initiatives



Contact us:

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