



Centre for Energy Regulation

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



**Registration Ends
September 10, 2026**

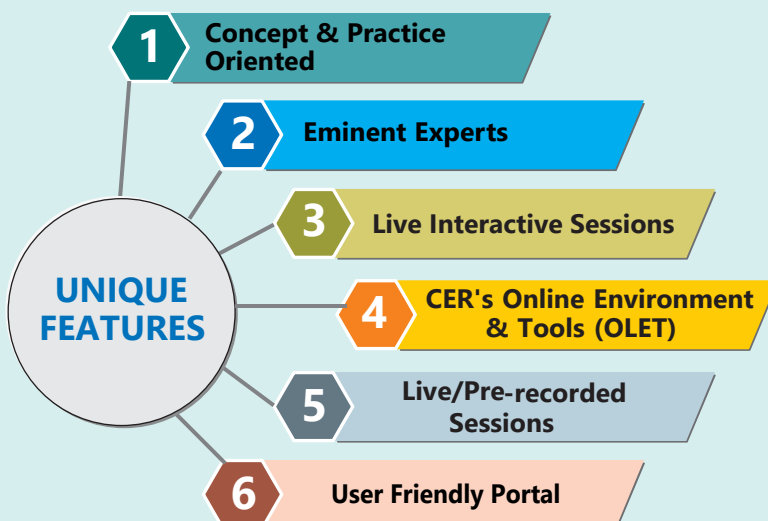
September 12 - October 11, 2026

Regulatory Certification Program "Power Market Economics and Operation"

CER's Regulatory Certification Program on **Power Market Economics and Operation** provides insights into the economics, operational, and regulatory aspects of the electricity market. Key topics include Economics of Power System Operation, Power Procurement Planning, Deviation Settlement Mechanism, Power System Operation, Resource Adequacy, Derivatives, CfD, Market Monitoring, Ancillary Services, Demand Response and more. Apart from live sessions, a set of pre-recorded sessions will be hosted on CER's Online Learning Environment and Tools (OLET) platform, and these will be followed by live interactive sessions. The program will be contributed to by leading national and international experts.

Relevance of the Program

- Understand evolution of power market, and regulatory structure for the same
- Examine cost drivers for regulation and ancillary services to maintain the grid security
- Understand economic operation of power market and power procurement planning
- Learning from international experience with power market development
- Address present and emerging challenges related to power market



Program Outcomes

Conceptual understanding of power market from economics, regulatory and policy perspective

Opportunity to learn best practices from sector experts

Develop ability to understand the emerging needs for better operation of power markets



Learning Level

Module 1: Fundamental
Module 2: Advanced



Course Duration

30+ hrs (4 weeks)



Interactive Learning

Live Interactive Sessions

Registration link- https://cer.iitk.ac.in/psr_reg/?id=2#register

Scan to Register



Evaluation & Certification

- Participants will be awarded either a Certificate of Achievement or a Certificate of Participation based on criteria.
- Certificate of Achievement: 70% (pre-recorded) and 50% (live/recorded) attendance, with required performance in the assessment exam and participation.
- Certificate of Participation: 50% (pre-recorded) and 30% (live/recorded) attendance, with performance below the required criteria.
- Attendance counts only if 80% of session duration is completed.
- No certificate if attendance/assessment criteria are not met or if the assessment exam is not attempted.

Key Topics

- Economics of Power System Operation
- Power Market Regulation
- Evolution of the Indian Power Market
- Economic Principles & Market Failure
- Deviation Settlement Mechanism
- Power Procurement Planning
- GNA and Open Access
- SCED & MBED Framework
- Resource Adequacy & Load Forecasting
- Power Market Derivatives
- CfDs & Virtual PPAs
- Ancillary Services Market
- Retail Competition & Consumer Perspective
- Market Monitoring
- Capacity Market **NEW**
- Demand Response **NEW**

Registration

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

Who should Apply?

- Officials from Electricity Regulatory Commissions (including Members), Generation Companies, Licensees (including Transmission, Distribution and Trading), Commodity/ Stock/ 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 multidisciplinary area.

Portal: Online Learning Environment & Tools (OLET)

Regulatory Certification Program (RCP)

Navigation: 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



eal.iitk.ac.in



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