

THREE-DAY WORKSHOP FOR FUTURE READY MANAGERS OF NTPC

29-31 JANUARY, 2025
NTPC, NOIDA



Organised By :

IRADe

CEA

Background

NTPC needs to groom their managers and senior Managers to be future ready for evolving policies, regulations, and technologies.

New policies include Sustainable Energy Transition Goals, Net Zero Transition, electric vehicles, Virtual Power Plants, Round the Clock Despatchable Renewable Power, Renewable and Storage Purchase Obligations. New and future Regulations include General Network Access, the New Grid Code 2023, Security Constrained Economic Dispatch, Security Constrained Unit Commitment, Contract for Differences, Tariff Regulations 2024-29, OTC platform, etc. New technologies and systems include Energy Storage Systems, microgrids, e-mobility. Besides these, power markets play an important role in making the power sector more efficient and power supply more economical for consumers. The eco-systems for these new and emerging policies, regulations and technology are slowly developing.

In this respect, **Integrated Research and Action for Development (IRADe)**, a reputed Think Tank in India and the South Asia Region, jointly with the **Central Electricity Authority (CEA)**, have developed a 3-day Workshop program for the future ready managers, at the NTPC Power Management Institute, Noida, as given below.

Day 1 29-01-2025 (Wednesday)

Time	10:00-10:45 AM	10:45-11:00 AM	11:00-12:00 PM	12:00-1:00 PM	01:00-2:00 PM	02:00-3:00PM	3:00-4:00 PM	4:00-4:15 PM	4:15-5:30 PM
Day 1 (29-01-2025)	Inaugural Session	Tea Break & Group Photograph	Resource Adequacy: Power Generation resource planning (fuel mix), demand forecasting Ms. Ammi Topo, Chief Engineer, IRP, CEA.	Sustainable Energy Transition Goals: Case study of global peers Dr. Sudipa Majumdar, Director, IRADe	Lunch	Flexibility in Thermal Operation combined with ESS (Energy Storage System) Mr. Narender Singh, Chief Engineer, CEA	RE-RTC (Renewable Energy - Round the Clock), FDRE (Firm and Despachable Renewable Energy) Mr. Hemant Pandey, MoP	Tea Break	PSP (Pumped Storage Plant) Mr. Shravan Kumar, Chief Engineer, CEA

Day 2 30-01-2025 (Thursday)

Time	10:00-11:00 AM	11:00-11:15 AM	11:15-12:15 PM	12:15-01:15 PM	01:15-2:00 PM	2:00-3:00 PM	3:00-4:00 PM	4:00-4:15 PM	4:15-5:15 PM
Day 2 (30-01-2025)	Tariff Determination for Generators Mr. S C Srivastava, Ex Chief Engg., CERC	Tea Break	New Tariff Regulations, DSM (Deviation Settlement Mechanism) Mr. Prateek Biswas, DC Finance CERC	Open Access and GNA (General Network Access) Ms. Shilpa Agarwal Jt. Chief (Engg.) CERC	Lunch	SCED (Security Constrained Economic Dispatch), SCUC (Security Constrained Unit Commitment) Ms. Shilpa Agarwal Jt. Chief (Engg.). CERC	New Grid Code (IEGC) Rules implications Mr. Awdhesh Yadav, Chief (Engg.) CERC.	Tea Break	Session on Regulated Tariff Determination for Renewable Energy Mr. Ravi Kadam, Sr. Advisor, CERC.

Day 3 31-01-2025 (Friday)

Time	10:00-11:00 AM	11:00-11:15 AM	11:15-12:00 PM	12:00-1:15	1:15-2:00 PM	2:00-2:45 PM	2.45-3:30 PM	03:30-3:45 PM	3:45-4:30 PM	4:30-5:15 PM
Day 3 (31-01-2025)	Power Trading: Bilateral Market- DEEP Portal, Mr. Neeraj Singh, CGM, PFC/ OTC Market Mr Mayank Sharma, GNA Energy	Tea Break	CBET (Cross Border Electricity Trade) Mr. Bhagwan Sahay Bairwa, Chief Engineer, CEA/ Mr. Pankaj Batra, Senior Advisor, IRADe.	Power Exchange Mr. Dhruv Dhiman, Vice President, Business Development, IEX	Lunch	CFD (Contract for Differences) and VPPA (Virtual Power Purchase Agreements), Mr. Pankaj Batra, Sr. Advisor, IRADe	Microgrid – Business Potential with C&I Mr. Surindar Ahuja, CEO, Sunmaster Pvt. Ltd.	Tea Break	Policy and Regulatory Framework for Renewable Energy Development: RPO (Renewable Purchase Obligation), FiT (Feed in Tariff), REC (Renewable Energy Certificates) – Mr. M. M. Dhakate, Chief Engineer, Engineer, Renewable Policy and Technology, CEA.	E-mobility way forward Dr. Probal Ghosh, Deputy Director, IRADe.

About Central Electricity Authority of India (CEA)

The Central Electricity Authority of India advises the government on policy matters and formulates plans for the development of electricity systems. It is a statutory organization constituted under section 3 of Electricity Supply Act 1948, which has been superseded by section 70 of the Electricity Act 2003.

CEA vision to ensure reliable 24×7 power supply of adequate quality to all consumers in the country.

Central Electricity Authority seeks to achieve the vision by performing its statutory function by providing technical support base to all stakeholders in the power sector, to support Ministry of Power for forming policies in the power sector, to make technical standards & regulations, to carry out project monitoring, to disseminate power sector information, to upgrade skills of human resources in the power sector of the country.

Central Electricity Authority of India (CEA)

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About Integrated Research and Action for Development (IRADe)

Integrated Research and Action for Development (IRADe) is an independent advanced research institute which aims to conduct research and policy analysis to engage stakeholders such as government, non-governmental organizations, corporations, academic and financial institutions. Energy, climate change, urban development, poverty, gender equity, agriculture and food security are some of the challenges faced in the 21st century. Therefore, IRADe research covers these, as well as policies that affect them.

IRADe's focus is effective action through multi-disciplinary and multi-stakeholder research to arrive at implementable solutions for sustainable development and policy research that accounts for the effective governance of techno-economic and socio-cultural issues. Being Asia Center for Sustainable Development, we have been carrying out policy research and its implementation for enabling socio-economic growth and charting pathways for sustainable development in South-Asia.

IRADe was established under the Society's Act, in 2002 at New Delhi. It is certified as a Research and Development Organization by the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology (MoST). It has also been selected as a Center of Excellence by the Ministry of Urban Development (MoUD) for urban development and climate change. In addition, it provides expertise to other ministries, national and international institutions and partners with other reputed organizations.

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