



ITEC

INDIAN TECHNICAL AND ECONOMIC COOPERATION PROGRAMME
MINISTRY OF EXTERNAL AFFAIRS, GOVERNMENT OF INDIA



Indian Technical & Economic Cooperation (ITEC) Training Programme (2025-26)



Indian Technical and Economic Cooperation

The Indian Technical and Economic Cooperation Programme, ITEC for short, is the leading capacity building platform of the Ministry Of External Affairs, Government of India.

Instituted in 1964, ITEC is one of the oldest institutionalized arrangements for international capacity building having trained more than 200,000 officials from 160+ countries in both the civilian and in the defence sector.



NTPC is India's largest power utility with an installed capacity of 73,024 MW.

Established in 1975, NTPC aims to be the world's largest and best power major.

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एन टी पी सी स्कूल ऑफ बिजनेस
NTPC School of Business

NTPC set up NTPC School of Business (NSB) in the year 2014 to impart managerial skills and essential competencies to the energy sector professionals.

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Trainees from Tanzania



Trainees from Uganda

Training 1: Smart Grid

22.09.2025 - 26.09.2025

Key takeaways from the course

- Practical understanding of various dimensions of smart grid technologies & projects.
- Enhanced skills for a successful program: design and planning, benefit/cost analysis, implementation, monitoring and evaluation.
- Practical understanding of the techno-commercial design of smart grid projects
- Understanding of the policy & regulatory framework best practices for smart grid projects
- Smart metering implementation, use cases and business models
- Understanding of analytical tools for enhancing operational efficiency
- Manuals and training materials



ITEC Program at NTPC School of Business, FY 2022-23 and FY 2023-24



Modern Facilities Smart Classrooms/ Conferences Hall at NTPC

Training 2: Microgrids and Renewable

06.10.2025 - 10.10.2025

Key takeaways from the course

- Practical understanding of various dimensions of RE technologies and Microgrids.
- Enhanced skills for a successful program: design and planning, benefit/cost analysis, implementation, monitoring and evaluation.
- Exposure & practical understanding of the techno-commercial design of RE projects
- Practical understanding of the policy & regulatory framework best practises for RE
- Manuals and training materials



NTPC NETRA Microgrids Site

Training 3: Electric Vehicles, batteries & Charging Stations

03.11.2025 – 07.11.2025

Key takeaways from the Course

- Theoretical and practical understanding of various dimensions of electric vehicles and related ecosystem
- Understanding the criticalness of the batteries & battery management systems in the EVs
- Enhanced skills for a successful program: designing and planning, benefit/cost analysis, implementation, monitoring and evaluation
- Exposure & practical understanding to the techno-economic aspects of EV deployment
- Understanding of the existing and required policy & regulatory framework for the successful implementation of infrastructure for EV deployment
- Manuals and training materials



ITEC Trainee Visit to EV Plant Site

Training 4: Cross Border Electricity Trade (CBET)

17.11.2025 – 21.11.2025

Key takeaways from the course

- **Understanding of contract design for CBET**
- **Practical understanding of various techno-commercial dimensions of CBET.**
- **Experiences of CBET across regions including South-Asia, Europe & Africa**
- **Enhanced policy and regulatory skills for successful design of CBET**
- **Practical understanding of the scheduling, billing and settlement of electricity under CBET**
- **Imbalance settlement for cross-border supply of power.**
- **Manuals and training materials**



Trainees at NTPC Facilities

How to Apply

https://www.itecgoi.in/how_to_apply



Who can apply

- Officials in Government, Public and Private Sectors, Universities, Chambers of Commerce and Industry, etc.
- Candidates should possess adequate work experience.

Testimonials

- Every class was extremely outstanding, learned a lot and wished to learn more from professionals of NTPC. - Sangay Dorji
- The capacity building program on cross border electricity trading (CBET) was very good as it has enhanced my professional capabilities. I have gained new insights and I acquired skills on CBET. - Felix Exavery
- The training was very relevant and very nicely thought. Really appreciated their teachings. Almost all the topics taught were very relevant. - Lalita Pradhan
- So far, I have learned a lot on the designing of mini and micro Systems, and how it is very useful for social and economic perspectives. - Damas Alphonse Kimaro.
- This one week of experience at NTPC has been extremely rewarding, The supporting staff are also very friendly and lovely. I am sure every one of us loves every bit of experience with NTPC. - Kinzang Thinley
- This Training was very successfully to me especially in the designing of Micro and Micro Solar energy. The Time for this training is not enough to us and I advice the NTPC Team to Increase the Time of this training. - Mr. Peter Joseph

ITEC Capacity Building Program Feedback Register			
Name	Country Name	Program Name & Date	Experience from the Program
DORCAS S. MCHERI	TANZANIA	ITEC TRAINING PROGRAMME ON SMART GRID, SOLAR ENERGY & MICROGRIDS 07/07/2025 TO 11/07/2025	I AM GREATFUL FOR THE PROGRAM, BECAUSE IT ENRICHED US/ME WITH THE LATEST & IMPORTANT WORLD WIDE TECHNOLOGIES CONCERNING WITH SMART GRIDS, SOLAR ENERGY & MICROGRIDS. THIS WILL ENABLE US TO BE BETTER AMBASSADOR TO MY COUNTRY TOWARDS INITIATIVES OF THE SAME. THANK YOU. Date and Sign:

Address of DPA IV and MEA

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