

Basic Level Training and Certification Program on **Cyber Security**

01 - Week (Offline)

19th to 23rd May, 2025

NATIONAL POWER TRAINING INSTITUTE

AN ISO 9001 2015 & 14001 2015 ORGANISATION

(Ministry of Power, Government of India)

NPTI Corporate Office, NPTI Complex, Sector-33, Faridabad – 121 003, Haryana, India



Cyber Security in Power Sector

Cyber intrusion attempts and cyber- attacks in any critical sector are carried out with a malicious intent. In the power sector it is either to compromise the power supply system or render the grid operation insecure. Any such compromise may result in maloperations of equipment, equipment damages or even in a cascading grid blackout. The much hyped air gap myth between IT and OT systems now stands shattered. The artificial air gap created by developing firewalls between any IT and OT systems can be jumped by any insider or an outsider through social engineering. After gaining the entry inside the system through privilege escalation, the control of IT network and operations of OT systems can be taken over even remotely by any cyber- advisory. The gain of sensitive operational data through such intrusions may help the cyber attackers to design more sinister and advanced cyber attacks. In order to reduce the risk, while robust risk-driven cyber security architecture, policies, and procedures, and application of cyber risk mitigating technologies are required, increasing public awareness, and development of human resources trained in cyber security technology, as well as policy makers, law- enforcement, judicial actors are also equally necessary.

In particular, lots of cyber risks are sector specific. Therefore, domain knowledge combined with cyber security education and hands-on training are required. Awareness among individuals who use technology on a daily basis, as well as employees in government, businesses, education institutes, utilities etc., are also very important. Thus, a multi-prong approach to enhance the country's cyber security posture is a pressing need of today's world.

National Power Training Institute will conduct Training and Certification Program on Cyber Security



As per Article 8 of CEA (Cyber Security in Power Sector) Guidelines, 2021, National Power Training Institute (NPTI) in consultation with CEA has identified and designed domain specific courses on Cyber Security for different target groups in Power Industry. NPTI will organize class-room training programs along with hands-on training programs for personnel having authorized cyber or authorized physical access (unescorted or escorted) to their Critical Systems. All Personnel engaged in O&M of IT & OT Systems shall mandatorily undergo courses on cyber security of Power Sector from NPTI.



About NPTI

National Power Training Institute has been set up by the Government of India under the Ministry of Power, to function as the National Apex Body for Human resources development of the Indian Power Sector. The corporate office of NPTI is located at NPTI Complex, Sector-33, Faridabad, Haryana. NPTI operates on all India basis with 11 constituent Institutes spread over the country. The Institutes are at Faridabad, Badarpur, Nagpur, Durgapur, Bangalore (PSTI and HLTC), Neyveli, Guwahati, Shivpuri, Nangal and Alappuzha.

NPTI has over 60 years of professional expertise in the field of Training, Education and HRD in Power Sectors with industry specific Technical Interface. NPTI has been in the forefront of the Power Industry in developing Hi-Tech Training facilities such as Multimedia Computer Based Training (CBT) Centres and the State-of-the-art Full scope and Distributed Digital Control High - Fidelity, High Quality, Real - Time Training Simulators.

Objective of the Training and Certification Program

- Creating Cyber Security Awareness
- Creating a secure cyber ecosystem
- Creating a cyber-assurance framework
- Strengthening a regulatory framework
- Creating mechanisms for security threat early warning, vulnerability management and response to security threat
- Securing remote operations and services
- Protection and resilience of critical information infrastructure
- Reducing cyber supply chain risks
- Encouraging use of open standards
- Promotion of research and development in cyber security
- Human resource development in the domain of cyber security
- Developing effective public private partnerships
- Information sharing and cooperation
- Operationalization of the National Cyber Security Policy

Basic Level Training and Certification Program on Cyber Security

As per Article 8 of CEA (Cyber Security in Power Sector), National Power Training Institute (NPTI) will be the Certifying Authority for Basic Level Training and Certification Program.

NPTI will conduct the training and certification programs in Offline mode at NPTI Faridabad. These courses equip the system operators with necessary inputs to creating mechanisms for security threat early warning, vulnerability management and response to security threat. So far more than 2500 participants have undergone this training & certification program from over 100 organizations.

SCHEDULE AND FEE

Training Date & Mode	Course Fee (Applicable for all organizations)	Boarding & Lodging (Applicable for all organizations)
Location: NPTI - Faridabad 19th to 23rd May, 2025 (Offline)	RS. 30,000 / + GST 18% Per Participant	Single Occupancy: Rs. 14,762.00 (inclusive of GST @ 18%) / per participant Double Occupancy: Rs. 11,257.00 (inclusive of GST @ 18%) / per participant

Who can attend the Training and Certification Program ?

All power professionals from Generation, Transmission Sector, Distribution Sector and Load Dispatch center are invited to participate.

Important Note : The Certificates will only be awarded to participants qualifying both the examinations after theory and hands-on training program.

Bank Account Details :

C/A No. : 10724879119 National Power Training Institute, Faridabad (NPTI)

IFSC Code: SBIN0003245

SBI, Sarai Khwaja, Faridabad: 121003

GST No. : 06AACAN2698A1ZR

Payment may please be made in advance

CONTACT DETAILS OF PROGRAM COORDINATORS

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MINISTRY OF POWER



National Power Training Institute, Ministry of Power