



# NATIONAL POWER TRAINING INSTITUTE

## राष्ट्रीय विद्युत प्रशिक्षण प्रतिष्ठान

An ISO 9001:2008 & ISO 14001:2004 Organisation  
(Under the Ministry of Power, Govt. of India)  
Southern Region

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**Skill development Programs for ITI & Diploma Holders**

**FIVE DECADES OF SERVICE TO THE POWER SECTOR**

## **Skill Development Program:**

Power Sector Skill Council (PSSC) is being promoted by Ministry of Power through Central Electricity Authority (CEA), Ministry of New and Renewable Energy (MNRE) and Indian Electrical & Electronics Manufacturers Association (IEEMA) with necessary support by National Skill Development Corporation (NSDC).

National Power Training Institute under Ministry of Power has been engaged in Skill Development of Power Industry covering Power Generation, Transmission, Distribution, Renewable Energy and Power Equipment Manufacturing.

As a first phase of this Skill Development Program, NPTI conducts the following Skill Development Training Programs of **three days** duration for **ITI and Diploma holders**:

1. Cable Jointing Techniques
2. Domestic Wiring and Cost Estimation
3. HT & LT Motor Testing
4. Welding and NDT Techniques
5. Valve Testing
6. Energy Conservation and Electrical Safety
7. Personnel Protective Equipment

Please contact the following officers of this Institute for more details:

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## **National Power Training Institute**

National Power Training Institute (NPTI), an ISO 9001 ISO 14001 organization, is a National Apex body for Training and Human Resources Development in Power Sector with its Corporate Office at Faridabad. NPTI serves the Nation through its Units in different Power Zones of the country located at Neyveli, Durgapur, Badarpur, New Delhi, Nagpur, Bangalore, Guwahati and Nangal. NPTI Headquarters is located at Faridabad, Haryana.

### **Our Mission**

Emergence as global leaders in enhancing human and organizational excellence in Power and Energy Sectors by blending frontier Technologies with Management to facilitate HRD interventions that are instrumental in providing reliable, safe, economic and clean power.

### **Our Vision**

NPTI cherishes a vision of value orientation and value addition to the national and transnational power and energy sectors through Training and Human Resources Development, endeavouring to energize the people who energize the Nation.

### **Quality Policy**

We, at NPTI, are committed to enrich Human Resources, blending frontier Technologies with Management to create systems of excellence for sustainable growth and prosperity resulting in continual improvement Corporate Training Policy We, at NPTI, are committed to nurture our Human Resources towards self-actualisation through Education and Training.

### **Training**

NPTI has trained over 2,00,000 Power Professionals in regular Programs over the last 4 decades. NPTI is the world's leading integrated Power Training Institute. NPTI is the only institute of its kind in the world with such a wide geographical spread and covering such a wide gamut of academic and training programs in Power Sector. NPTI's committed faculty is providing excellent training in the Power Sector, which is the most important sector among various infrastructure sectors.

Training provided by NPTI on generator Simulators has improved Plant Load Factor of Generating Units, has increased the availability of Transmission & Distribution System and has decreased Aggregate Technical & Commercial Losses. This in turn is providing more power to the country. Thus the training being provided by NPTI is having a cascading effect in the growth of GDP and economy of the country.

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## Academic & Training Programs

The Corporate Centre at NPTI Headquarters and the Regional Training Institutes of NPTI are conducting various long-term, medium-term and short-term courses. Some of the long-term courses cover the requirements under sub rule 3(2- A) of Indian Electricity Rules for 1956, amended in 1981. A wide range of short-term courses are offered by NPTI to improve the competencies of the in-service Engineers, Supervisors and Operators of the Power Sector.

### Academic Courses

Two-Year MBA in Power Management approved by AICTE  
Four-Year B.Tech./B.E. Degree in Power Engineering approved by AICTE  
One Year Post Graduate Diploma Course in Thermal Power Plant Engineering  
One Year Post Diploma Course in Thermal Power Plant Engineering  
Six Months Post Graduate Diploma in GIS and Remote Sensing (RS)  
Nine Months Post Graduate Diploma Course in Hydro Power Plant Engineering  
Six Months O&M of Transmission and Distribution System for Engineers

## Transnational Training

NPTI and its Regional Institutes are equipped with state-of-the-art infrastructural facilities to meet the specific requirements of training Foreign Nationals. NPTI in its various courses has trained many foreign Nationals from Zimbabwe, Iraq, Oman, Bhutan, Bangladesh, Sudan, Ethiopia, Syria, Malaysia, Philippines, Cambodia, Myanmar, Zambia, Mexico, Nigeria, Kenya, Afghanistan, Papua New Guinea, Ecuador, South America etc. Programs conducted for these Nationals did receive exceptionally encouraging feedback with rave reviews.

## Simulator Training

NPTI has equipped itself with a 500 MW & 430 MW CCGT Training Simulator at Corporate Office, Faridabad and high-quality, high-fidelity, real-time, full-scope & DDC/VPC/CRT-Keyboard based 210 MW Training Simulators (2 No.) at its Regional Institutes at New Delhi & Nagpur. Self-driven Multimedia Computer Based Training packages have been developed for extensive usage and training of personnel working in State Electricity Boards, Central Public Sector Undertakings and the Private Sector Organizations etc.

## Consultancy Services

In order to serve the industry requirements and make best usage of infrastructure and expertise, NPTI is providing consultancy services in the field of Human Resources Development including Training Need Analysis, Upgradation of Training Facilities, Customized Course Designs, Capacity Assessment / Evaluation for Promotion / Recruitment etc. NPTI also provides consultancy in Preparation of DPRs under R-APDRP (11th Plan) and NPTI is also REC Quality Monitors (RQM) for Tier-II Inspection of RGGVY Works under 11th Plan for Six States. NPTI has also been awarded the Third Party Inspecting Agency (TPIA) works for a few DISCOMs for the RGGVY works under the 10th and 11th Plans.

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