

# TECHNICAL TRAINING INSTITUTE SHAKTI VIHAR, PATIALA

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*Category-1, Grade "A" Training Institute of North India.  
Recognised by Ministry of Power, Central Electricity Authority, Govt. of India  
ISO 9001:2015 Certified*

## **Trainings imparted to :-**

Target of more than one lakh training man-days achieved every year at TTI and ZKC's under induction, refresher, on-line trainings, site-camp programs of various categories like Managers, Engineers, Technicians, Establishment and Accounts Employees and Computer related courses. Trainings related to Power sector Equipment also imparted to Industrial Employees on 3-day, weekly and monthly basis.



- ✚ Trainings will be conducted for Govt./Non-Govt. organisations and Industries in batches only.
- ✚ Cost of Training is specific for each training program
- ✚ Training Programs are designed to cater the specific requirement of the different organisations.

## **OUR REGULAR TRAINING PROGRAMMES**

This institute conducts Technical Trainings for following categories of Employees

1. Assistant Engineers-Electrical / Civil
2. Junior Engineers-Electrical / Sub-Station / Civil / Communication
3. Foreman and Cable Jointer
4. Lineman and Assistant Lineman/Electricians
5. Sub-station Attendants / Assistant Sub-Station Attendants
6. Assistant Managers IT/HR
7. Accounts Officers/Revenue Accountants
8. Administrative staff

**HUMAN RESOURCE DEVELOPMENT ORGANISATION (HRD)**  
ce-hrd@pspcl.in

## Technical Trainings:

1. Power Transmission Lines
2. Distribution Transformers
3. Design, Construction and Maintenance of LT/HT Lines
4. Theft Detection, Reduction of AT& C Losses
5. Types of Energy Meters and Connections
6. Safety Measurements & Precautions
7. Energy Auditing and Efficient usage of Energy
8. Under Ground Power Cables- Cable laying techniques
9. Earthing of Distribution System and Testing
10. Material Management in Store
11. Design and Construction of Grid Sub Stations
12. Earthing system of Sub Station
13. Switchgear system
14. Protection system
15. Installation and Maintenance of Batteries at Sub-Stations
16. SCADA System
17. Assets management and Inspection Policy
18. Solar Grid and Net-Metering
19. Computer Trainings
20. Different types of Software and applications
21. Technical Training programs for Operation Staff and officers at GGSSTP plant Ropar and GHTP at Lehra Mohabbat.

In addition to above programs seminars also carried out at TTI, ZKCs, training institutes at GGSSTP plant Ropar and GHTP at Lehra Mohabbat.

## Non-Technical Training

Old Pension scheme and NPS scheme, Analysis of energy bills, Soft Skills and Positive Attitude, Woman Empowerment, First Aid and CPR and other accounts and Administrative Trainings. Besides, training in Stress Management is also given and regular Yoga Camps are organised.

**Faculty:-** Expert faculty with 20 plus years of experience with in PSPCL/PSTCL. Apart from internal core faculty, the retired engineers of PSPCL and guest faculty with expertise as per requirement of the organisations also arranged.

## **INFRASTRUCTURE**

### **TRAINING INSTITUTES of PSPCL**

- ✚ TTI, Shakti Vihar, Patiala
- ✚ ZKC\*, Thermal Colony, Bathinda
- ✚ ZKC, Sarabha Nagar, Ludhiana
- ✚ ZKC, near VIP Guest House, PSPCL, Jalandhar
- ✚ ZKC, Majitha Road, near Power Colony, Amritsar.
- ✚ Thermal Training Institutes ,GGSTP Ropar
- ✚ Thermal Training Institute, GHTP Lehra Mohabbat

\*ZKC -Zonal Knowledge Centre

- ✚ Air Conditioned Lecture Halls and Laboratories
- ✚ Theory & Practical classes,
- ✚ Visit to various sites and workshops
- ✚ AC & non-AC Hostel for boys and Girls
- ✚ Separate Hostel for Girls
- ✚ Mess facility.
- ✚ State of Art 210 MW Simulator at GGSSTP Ropar



**Auditorium**



**Conference Hall**



**Classroom**

### **VISIT To LABORATORIES OF PSPCL**

- ✚ Transformer oil Testing lab
- ✚ Transformer Repair Workshop
- ✚ Meter Testing lab
- ✚ SCADA system
- ✚ 220 KV Sub Stations
- ✚ 66 KV Sub Stations
- ✚ Line Patrolling
- ✚ Solar Grid
- ✚ Thermal Plants
- ✚ Hydro Projects

### **LABORATORIES AT TTI**

- ✚ Transformer Simulation lab
- ✚ Model Room
- ✚ SAP lab
- ✚ Computer lab
- ✚ Library
- ✚ 66KV prototype Grid
- ✚ NABL Accredited Coal Lab at GGSSTP Ropar and GHTP Lehra Mohabbat

**HUMAN RESOURCE DEVELOPMENT ORGANISATION (HRD)**

ce-hrd@pspcl.in

# PUNJAB STATE POWER CORPORATION LIMITED

[www.pspcl.in](http://www.pspcl.in)



## PSPCL AT A GLANCE

### GENERATION, TRANSMISSION & DISTRIBUTION PUNJAB UNDERTAKING

- ✚ 66KV Sub Stations - 814 nos.
- ✚ 66KV lines- 10,616 Km Ckt.
- ✚ Distribution Transformers -11,73,488 nos.
- ✚ 11KV Lines-2,52,006 Km Ckt
- ✚ Total No. of Consumers served 1,016,8,441.

- ✚ Shanan Power House (110 MW)
- ✚ UBDC Hydel Power Project (91.35MW)
- ✚ Mukerian Hydel Project (225 MW)
- ✚ Ranjit Sagar Dam (600MW)
- ✚ Anandpur Sahib Hydel Project I- 67MW
- ✚ Anandpur Sahib Hydel Project II- 67MW
- ✚ BBMB share-1133MW

- ✚ Micro hydel projects-Nidampur-800KW, Daudhar-1500KW, Rohti-800KW, Thuhi-800KW
- ✚ Shahpurkandi Dam Project 206 MW (under Construction)
- ✚ Guru Gobind Singh Super Thermal Plant Ropar (840MW)
- ✚ Guru Hargobind Thermal Power Plant, Lehra Mohabbat (920 MW)

### **Contact Persons:-**

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**Dy. CHIEF ENGINEER/EMPLOYEES and DEVELOPMENT  
PSPCL, SHAKTI VIHAR, PATIALA.**

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