



राष्ट्रीय विद्युत प्रशिक्षण संस्थान (पूर्वी क्षेत्र)

National Power Training Institute (ER)

विद्युत मंत्रालय, भारत सरकार

(Ministry of Power, Govt. of India)

दुर्गापुर(पश्चिम बंगाल) -713216

Durgapur-713216 West Bengal

**(CEA recognized Category-1 Institute)**



## Announces

*One Year Full Time*

### Post Diploma In Power Plant Engineering

( PDC 27th Batch )

Academic Session: 2024-25



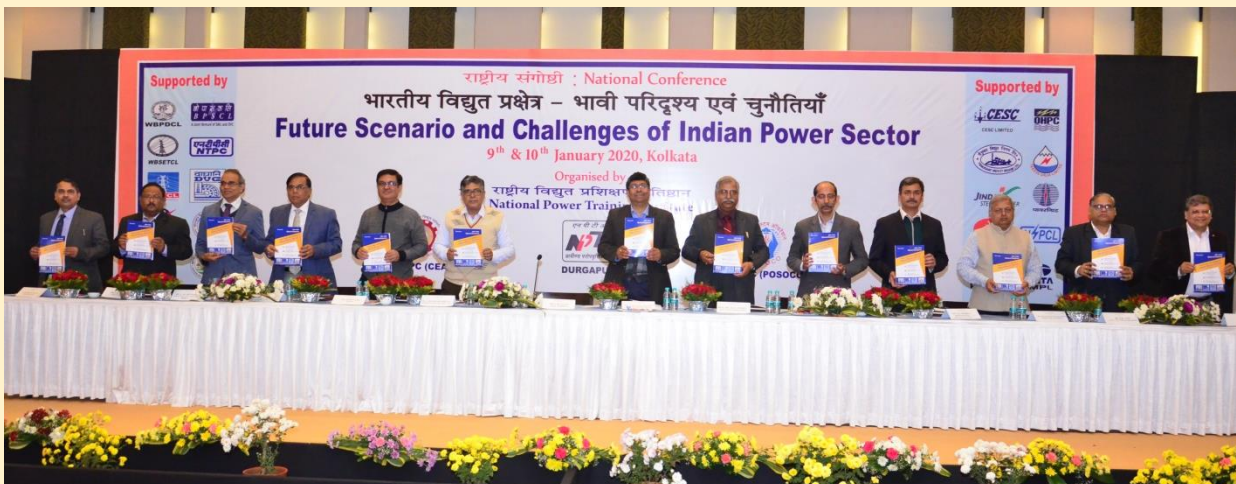
**MORE THAN 50 YEARS OF SERVICE TO THE POWER SECTOR**

## THE NEED FOR THE COURSE

The Indian Power Sector with approx. 3,70,348 MW installed capacity along with modernization of Indian Power Sector also with technological advancements and sophistication during last few decades has, in turn, been demanding trained man power. In addition, India is also likely to surpass 175 GW of Renewable Energy Target by 2022. The technical knowledge acquired from Engineering Colleges provides the basic foundation, which needs to be supplemented with the Applied Engineering skills so as to groom the engineers for efficient functioning at every stage of planning, designing, engineering, procurement, construction, commissioning, operation, maintenance, transmission and distribution of power supply industry.

NPTI recognized the need for making this technically trained manpower readily available to the Power Sector in line with its present and future requirements. It was felt that requirement of trained manpower for Power Sector could be fulfilled if the engineers after passing their engineering degree are groomed by conducting a technical course approved by the competent authority of Government of India and giving them an exposure to the theoretical as well as practical aspects. The “Post Diploma Course in Thermal Power Plant Engineering” has been designed to give the Operator/Supervisors the knowledge and skill of overall operation and maintenance of Thermal Power Plants along with specific background in Distribution Engineering..

## WHY SHOULD YOU JOIN THE COURSE?



With a view to build adequate technical capacity and develop economically viable Energy sector and energy efficient systems and compliance of laudable objectives of the Govt. of India, adequate scientific and technical manpower at all levels is a pre- requisite. The main aim of the courses is to create a pool of technically trained manpower readily available for recruitment to the State, Central and Private Power Utilities and allied Industries.



## ABOUT THE COURSES

This is a one-year full time course conducted at NPTI(ER), Durgapur since 2001. The course is modular based and conducted in two semesters each of 26 weeks duration. During the course period visits are arranged to Thermal Power Stations, Hydro Power Station, Solar Power Plants, EHV Sub-Station, Load Dispatch Centres, Manufacturing units and allied Industries.



## INFRASTRUCTURAL FACILITIES AT NPTI(ER)

The Institute offer world class infrastructural facilities like, excellent simulators, relevant laboratories and workshops, computer labs with state of the art PCs, well stocked libraries with national and international journals and reference materials, fully air-conditioned classrooms, conference hall and board rooms with video conferencing facility, modern classrooms equipped with latest teaching aids, wi-fi enabled campus, residential students and executive hostels, auditorium, gymnasiums and playgrounds.



## CLASSROOMS

NPTI(ER), Durgapur has modern classrooms equipped with latest teaching aids including computer compatible projection systems and audio visual aids, required for efficient running of training program. Video conferencing facility is also available



## MODELS

NPTI(ER) have good number of working and non-working models relating to various main systems and equipments of Thermal Power Stations, Hydro Power Stations and Power Systems. Models for demonstration in the diversified areas of training in NPTI are also available.



## HOSTEL FACILITIES

Furnished hostels are available at NPTI(ER), Durgapur where modern and hygienic lodging and boarding facilities are available. Those desirous of availing the hostel facilities will have to intimate in advance to the Director In-charge and obtain confirmation for the same. In case a participant does not stay in the hostel, he has to make his own arrangements to reach the Institute. Recreation and indoor sports facilities like Cricket, Table Tennis, Badminton, Carom etc. are available for trainees in Hostel, creating a congenial atmosphere of a Home away from Home.



## NPTI PUBLICATIONS AND MULTI MEDIA CBT PACKAGES

NPTI has published around 99 Training Manuals for different courses. NPTI has also developed more than 55 Multimedia Computer Based Training Packages for power professionals.

## MEDICAL SERVICES

Part-time Doctor is available at Institute. Institute has also tied up with CGHS approved Mission Hospitals & Health World Hospital.

## ELIGIBILITY

3 years Diploma in Mechanical / Electrical / Electrical & Electronics from recognized technical board. **Graduate Engineers are not eligible.**

## TOTAL INTAKE

72(Seventy two)

## AGE LIMIT

No age limit

## SELECTION CRITERIA FOR ADMISSION

Selection will be made on First Come First Serve Basis. Reservation for SC/ST/OBC/Physically challenged and other categories is applicable as per Govt. of India norms for non-sponsored candidates. 25% seats are reserved for sponsored candidates from Power utilities. Unfilled Sponsored seats shall be filled in by candidates from non-sponsored category.

## PLACEMENT

In order to provide career opportunities in the Indian Power Sector, NPTI maintains close linkages with the Power utilities for Campus placements drive. A few of our recruiters are OPGC, Emersons, Lanco, Reliance Power, Jindal Steel & Power, Vedanta, Tata Power, CESE, Adhunik Power, Jindal Stainless, India Power, CLP, PCBL, Adani Power, In the past, several reputed companies / utilities visited NPTI for campus placement.

**COURSE FEE: 1,77,140/- ( including GST, Security Deposit & Transport ) and excluding Lodging & Boarding.**

Category	1 <sup>ST</sup> Instalment on or before 30.09.2024	2 <sup>nd</sup> Instalment ( 16.12.2024)	3 <sup>rd</sup> instalment (18.02.2025)	4th Instalment 16.04.2025)
Non-Sponsored (Fresh)	Rs.19,610/-	Rs.68,440/-	Rs.20,650/-	Rs.68,400/-

There is no fee concession for any category of candidates.

## HOSTEL FEE:

Hostel facility is available on chargeable basis @ Rs 2500/- per month on twin sharing basis.

## CANTEEN

Candidates can avail Canteen facility on chargeable monthly basis.

## OTHER CHARGES

In addition to the above, Caution Deposit (Rs 2500/- Refundable), Transport Charges (@Rs. 3,000/- + 18% GST) has to be paid by the Candidates.

## PROGRAM PROFILE FOR PDC COURSE

Module No.	Description	Duration (Weeks)
1	General Introduction and Orientation	1
2	Environment & Personal Safety	8
3	Power Plant Description	6
4	Power Plant Scheme Description and Tracing	2
5	Power Plant Operation (Supervisory)	2
6	Power Plant Chemistry	1
7	Power Plant Instrumentation	1
8	Power Plant Efficiency Performance	1
9	Basic Welding Practice & NDT	1
10	Maintenance Planning Inspection and Cost Control	6
11	Power Plant O&M (On-Job)	10
12	Introduction to Management	1
13	Computer Application	1
14	Power System Operation and Electrical Protection	1
15	Power Distribution Engineering and Systems	3
16	Distribution Metering and Techniques of Loss Minimisation	3
17	Simulator	2
18	Protection	1
19	Final Appraisal	1
<b>Total</b>		<b>52 Weeks</b>

## IMPORTANT DATES

Last date of submission of online Application.	23.09.2024
Display of Merit / admission list	24.09.2024
Online counselling	26.09.2024 & 27.09.2024
Admission Date & Commencement of Course	30.09.2024

## HOW TO APPLY

Application is to be filled online with payment of Rs 100/-. The Application form can be accessed through our website [www.nptidurgapur.co.in](http://www.nptidurgapur.co.in)

The candidate may apply online by clicking on “Apply Now”

[Apply Now](#)



## About NPTI Durgapur

National Power Training Institute (NPTI) has been established by the Govt. of India under the Ministry of Power, vide the Gazette of India, July 3, 1993, to function as the National apex body for Human Resource Development of Indian Power Sector. NPTI is the world's leading integrated power training institute with its HQ at Faridabad and operates on all India basis through its institutes in the different regions/power zones of the country viz., New Delhi, Durgapur, Nagpur, Neyveli, Bangalore, Nangal, Guwahati Shivpuri and Alappuzha. These institutes are fully equipped with latest state-of-the-art training infrastructure. NPTI has more than 50 years of professional expertise in the field of training and HRD in power sector with industry specific technical interface and is the only institute of its kind in India catering to the core power and allied energy sector. Institutes of NPTI are also equipped with Computer based Full Scope Replica Simulators of 210 MW/500 MW / 800 MW Fossil Fuel Thermal Power Plant to provide off job hands on training to improve the reflexes of engineers in emergent / normal operation situations of a power plant. NPTI is playing a pioneering role to prepare the manpower not only for the existing thermal, hydro, gas-based plants but also for the upcoming renewable energy sector in a dedicated manner to achieve energy independence and grid compatibility with smart power control technology.



### Correspondence

All correspondence should be address to:

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