



राष्ट्रीय विद्युत प्रशिक्षण प्रतिष्ठान (पूर्वी क्षेत्र)  
National Power Training Institute (ER)

विद्युत मंत्रालय, भारत सरकार  
(Ministry of Power, Govt. of India)  
दुर्गापुर - 713216 (पश्चिम बंगाल)  
Durgapur-713216 (West Bengal)



## *Announces*

### **DIRECT ADMISSION**

*One-year full time*

**Post Graduate Diploma in Power Plant Engineering  
(PGDC 24<sup>th</sup> Batch)**

**ACADEMIC SESSION: 2020-21**



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

## **THE NEED FOR THE COURSE**

The Indian Power Sector with approx. 370 GW installed capacity along with modernization of Indian Power Sector also with technological advancements and sophistication during last few decades have, 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 Graduate Diploma Course in Thermal Power Plant Engineering” has been one of the many flagship programs of NPTI. Assessing the next decade’s requirements, NPTI has re-designed the course contents to suit the needs of the Power Sector. It is now re-named as “Post Graduate Diploma Course in Power Plant Engineering”. The course profile covers the emerging Power Sector needs. Product of the course has promising record of employment in the power industry.

## **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.



**(Institute’s Library)**

## ABOUT THE COURSE

One year full time course on Power Plant Engineering is running since 1996-97 in different regional Institute including NPTI(ER). Duration of the course is one year consisting of two semesters covering formal training at Institutes and Industrial / field training. The course covers the syllabus as per Indian Electricity Act. Admission to this course is open for graduates of full time B.Tech/B.E. or equivalent in Mechanical / Electrical / Control & Instrumentation / Electrical & Electronic /Power Engineering .



[ 210 MW, 500 MW & 800 MW Simulators ]



## **ELIGIBILITY**

B.Tech. / B.E. or its equivalent with minimum 60% marks in Mechanical/ Electrical /Electrical & Electronics/ Control & Instrumentation / Power Engineering.

## **TOTAL INTAKE**

60 (Sixty)

## **AGE LIMIT**

No age limit.

## **SELECTION CRITERIA FOR ADMISSION**

Selection will be made on **First Come First Serve Basis**. Reservation for SC/ST/OBC-NCL/Physically Challenged as per Govt. of India Norms. 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. Our past recruiters are OPGC, Emerson, Reliance Power, Jindal Steel & Power, Vedanta, Tata Power, CESE, Adhunik Power, Jindal Stainless, India Power, CLP, PCBL, Adani Power, Essar Power, Super Smelters etc.

## **COURSE FEE:**

Category	At the time of Admission ( On or before 14/10/2020)	1 <sup>st</sup> Installment To be paid by 30/11/2020	2 <sup>nd</sup> Installment To be paid by 30/04/2021
Non-Sponsored (Fresh)	Rs.20,000 +18% GST	Rs.1,10,000+ 18% GST	Rs.1,00,000+ 18% GST

There is no fee concession for any category of candidates.

The Company sponsored candidates are required to pay their course of Rs Rs.3,60,000 + 18% GST at the time of admission i.e. on or before 14/10/2020.

## **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. Approx. cost may be Rs 3500/- per month.

## **CAUTION DEPOSIT**

Rs 4000/- Refundable

## **PLACEMENT CHARGE**

Placement charge @ Rs. 15,000/- + GST @18% to be paid by the student if he/she got selected in any organization through campus placement.

## **EDUCATION LOAN-**

Candidates are eligible to get Education Loan from Banks for this Course.

## LIST OF MODULES FOR PGDC COURSE

Module No.	Description	Duration (Weeks)
1	Power Plant Familiarization & Industrial Safety	5
2	CCGT, Co-Generation & Hybrid Systems	2
3	Power Plant Briefing & Scheme Tracing work	3
4	Power Plant Operation	2
5	Power Plant Performance & Efficiency Calculation	1
6	Nuclear Power Plants	1
7	Advanced Steam Generation Technology-Supercritical & FBC	1
OJ-1	Rotational On-Job (Operation)	3
9	Chemistry, Metallurgy, NDT & Welding	1
10	Renewable Energy (RE) resources, Conventional & RE Systems	1
11	Solar PV & Thermal Technologies	3
12	Business Communication & Personality Development	1
<b>First Semester Examination</b>		1
13	Power Sector Reforms and Regulations	1
14	Wind Energy and Hydro	2
15	Bio Mass, Bio Energy and Waste to Energy	2
16	Energy Storage Technologies	1
17	Power Plant Protection	2
18	Maintenance Planning Inspection & Cost Control	2
19	Control & Instrumentation	2
20	IT Application in Power Sector & GIS	1
21	Load Dispatch	1
22	Renewable Energy Grid Interface Technologies	1
23	Erection, Commissioning & Construction Management	2
24	Energy Audit & Project Management	1
25	Environment Management	1
OJ-2	Rotational On Job (Maintenance)	4
26	Simulator Training, Visit to Manufacturers Works	3
<b>Second Semester Exam</b>		1

### IMPORTANT NOTICE

Admission to PGDC (24<sup>th</sup> Batch) is open. Interested Candidates may directly approach to the Institute for admission formalities (Contact No. 9434042524).

### HOW TO APPLY

Application is to be filled online with payment of Rs 300/- The Application Form can be accessed through our website [www.nptidurgapur.com](http://www.nptidurgapur.com) or [www.npti.gov.in/npti\\_durgapur](http://www.npti.gov.in/npti_durgapur)

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

[Apply Now](#)

### ABOUT NPTI DURGAPUR

National Power Training Institute (NPTI) under the Ministry of Power, Govt. of India as the National apex body for Human Resource Development is catering the training need 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. NPTI Durgapur is one of the 11 Institutes of NPTI established in 1968. The institute is 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. NPTI Durgapur is 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:

**S.K. SRIVASTAVA**  
DIRECTOR

National Power Training Institute (Eastern Region)  
City Centre, Durgapur-713216 (W.B)  
Email: [durgapur.nptier@gmail.com](mailto:durgapur.nptier@gmail.com)  
Tel:- 0343-2546237, Fax: 0343-2545888

### *Program Director*

**Dr. C. Bhattacharya**  
Dy. Director  
Mobile: 9474546284  
Email: [cbhattacharya.npti@gov.in](mailto:cbhattacharya.npti@gov.in)  
[chittatosh\\_bhattacharya@rediffmail.com](mailto:chittatosh_bhattacharya@rediffmail.com)