



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)

(CEA recognized Category-1 Institute)



Annual Training Calendar

2024-2025



NATIONAL POWER TRAINING INSTITUTES



FARIDABAD - HQ



NAGPUR



DURGAPUR



NEW DELHI



GUWAHATI



NEYVELI



NANGAL



PSTI / BENGALURU



HLTC / BENGALURU



Shivpuri



Alappuzha



एनपीटीआई के साथ पावर सेक्टर का सुनिश्चित सम्पूर्ण विकास

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.

Training Courses

Post Graduate Diploma in Power Plant Engineering (PGDC) : _One year full time course on Power Plant Engineering is running since 1996-97 in different regional Institutes including NPTI(ER). NPTI has also started PGDC Programs in Graduate Engineering Course in Power Plant Engineering, Post Graduate Diploma Course in Transmission & Distribution System. Admission to these PG Course is open for graduates of full time B.Tech / B.E or equivalent in Mechanical / Electrical / Electronics & Instrumentation / Electrical & Electronics as applicable selected through common entrance test (CET) for which advertisement appears in leading National News Papers.

Post Diploma in Power Plant Engineering : _One year Full time course is running since 2001 in NPTI(ER), Durgapur along with other Institutes for candidates with three years full time Diploma in Mechanical / Electrical / Instrumentation Engineering. Every year the course starts in August and Admission to this Post Diploma in Power Plant Engineering Course is on merit basis for which advertisement appears in leading National News Papers.

Long Term & Short Term Training Program for Utilities : _NPTI(ER), Durgapur conducts many Long Term, Short Term Training Programs on Power Plant Engineering and related areas where individual from different power Utilities attend. NPTI Durgapur regularly conducts programs for various Central / State Public Sector and Private sector organizations on Power Generation, Power Transmission and Power Distribution, Energy Efficiency, Solar Power Generation Technology, Solar PV Rooftop, Entrepreneurship Development Program on Solar PV System.

Apart from declared Training Program, NPTI(ER), Durgapur also conducts tailor made Programs as per the Training need / requirement of the Power Sector organization either on-site or off-site.

Annual Training Calendar 2024-25

A. List of Long Term Training Programs

Sl.No.	Name of Course	Weeks	Duration	Coordinator
01	Post Graduate Diploma Course in Power Plant Engineering	52	August 2024	
02	Graduate Engineering Course in Power Plant Engineering	52	September 2024	

B. List of Short Terms Course (1 Day – 04 Weeks)

Sl.No	Name of Course	Days	Dates	Coordinator
A Power Generation and its Ancillary Equipment				
01	Generator Excitation System & AVR	02 Days	May 02-03, 2024	Sh. M.L. Senapati, DD
02	Emerging Technologies in Reducing AT&C Losses	03 Days	May 13-15, 2024	Sh. P Ankuri, DD
03	Recent Advancement in Turbo Generator Protection for large Power Plants	02 Days	May 20-21, 2024	Sh. M.L. Senapati, DD
04	Conventional & Flexible operation of Thermal Power Plants.	05 Days	June 03-07, 2024	Sh. R.Vachaspati, DD
05	SPM, SoX & NoX control Techniques in Thermal Power Plant	02 Days	June 10-11, 2024	Sh. Sanjay Kumar, DD
06	Recent Trends in Substation Automation	03 Days	June 26-28, 2024	Sh. P Ankuri, DD
07	Power Plant Chemistry for Engineers	03 Days	July 03-05, 2024	Sh. B.Veeranna, AD
08	Steam Turbine Governing	03 Days	July 10-12, 2024	Sh. A. Pathak, DD
09	Boiler Efficiency & Performance Monitoring	02 Days	July 18-19, 2024	Sh. B. Veeranna, AD
10	Boiler Tube Failure and Case Studies	03 Days	July 24-26, 2024	Dr. C. Bhattacharya, DD
11	Thermal Power Plant Efficiency & Performance Monitoring	03 Days	Aug 05-07, 2024	Sh. Sanjay Kumar, DD
12	Condition Based Maintenance of Rotary Equipment	03 Days	Aug 12-14, 2024	Dr. C. Bhattacharya, DD
13	Generator Auxiliaries Including Excitation System	02 Days	Aug 20-21, 2024	Sh. P Ankuri, DD
14	Trouble Shooting of Steam Turbine	02 Days	Sep 02-03, 2024	Sh. Anuj Pathak, AD
15	Boiler & Its Auxiliaries Operation	03 Days	Sep 04-06, 2024	Dr. C. Bhattacharya, DD
16	Advancements in Welding & NDT	03 Days	Sep 09-11, 2024	Sh. B. Veeranna, AD
17	Condition Based Maintenance aspects of Turbo Generator	02 Days	Sep 17-18, 2024	Smt. A.Indira, DD
18	Vibration Diagnostics and Fault Analysis	03 Days	Nov 04-06, 2024	Dr. C. Bhattacharya, DD
19	Operation of Steam Turbine & its Auxiliaries	03 Days	Nov 11-13, 2024	Sh. B. Veeranna, AD
20	OFC Cable laying Technology & Practices	02 Days	Dec 09- 10, 2024	Sh. P. Ankuri, DD
21	Flexible Operation of Thermal Power Plants	02 Days	Feb 6- 7, 2025	Sh. Sanjay Kumar, DD
22	Turbine RLA, Governing & Retrofitting	02 Days	Feb 13-14, 2025	Sh. Sanjay Kumar, DD
23	Best O&M practices for Gas Turbine	02 Days	Feb 20-21, 2025	Sh. R. Vachaspati, DD

Annual Training Calendar 2024-25

Sl.No	Name of Course	Days	Dates	Coordinator
B Hydro Power and Renewable Energy Systems				
01	Monitoring & Control for Hydro Power Plant	02 Days	June 13-14, 2024	Sh. M.L. Senapati, DD
02	Renovation, Modernization & Uprating of Hydro Power Plant	02 Days	Sep 26-27, 2024	Sh. M.L. Senapati, DD
03	Advance Automation in Hydro Power Plant	02 Days	Jan 09-10, 2025	Sh. M.L. Senapati, DD
04	Dam Safety & Risk Mitigation Techniques in Hydro Power / Irrigation Projects	02 Days	Feb 24-25, 2025	Sh. M.L. Senapati, DD
05	Hydrological Studies in Hydro Power Projects with special reference to remote sensing and GIS	02 Days	Mar 06-07, 2025	Sh. M.L. Senapati, DD
C Transmission and Distribution System				
	Switchgear and Transformer Maintenance	05 Days	April 22-26 2024	Smt. A.Indira, DD
D Hot Line Training				
	NIL			
E Control and Instrumentation Engineering				
01	Power Plant Control & Instrumentation	03 Days	Nov 18-20, 2024	Sh. R. Vachaspati, DD
F Disaster and Safety Management				
01	Industrial Safety	02 Days	Nov 25-26, 2024	Sh. A. Pathak, AD
02	Electrical Protection system	05 Days	May 27-31, 2024	Smt. A.Indira, DD
03	Emergency Handling of Thermal Power Plant	02 Days	Dec 16-17, 2024	Dr. C. Bhattacharya, DD
G Grid Integration, Smart Grid & Smart Cities, EV and Energy Storage System				
01	Renewable Energy & Grid Integration	02 Days	Aug 29-30, 2024	Smt. A.Indira, DD
02	EV & Charging Infrastructure	02 Days	Nov 28-29, 2024	Sh. P. Ankuri, DD
03	Latest Trend in Smart Grid, ICT and Power System	02 Days	Dec 12-13, 2024	Sh. M.L. Senapati, DD
04	Fundamental of Battery Storage System	02 Days	Jan 16-17, 2025	Sh. S.Kumar, DD
H IT, CT, GIS & RS Big Data Analytics and Cyber Security				
01	Cyber Security Audit- Tools, Techniques, Procedure & Threats.	02 Days	Jan 20-21, 2025	Sh. A.Pathak, AD
I Energy Efficiency, Energy Audit and demand side Management				
	NIL			
J Power Management and Management Development Programs				
01	Stores & Contract Management	02 Days	June 18-19, 2024	Smt. A.Indira, DD
02	Regulatory Framework, Power Purchase / Sales & ABT	02 Days	Jan 28-29, 2025	Smt. A.Indira, DD
03	Behavioral Science	02 Days	Mar 10-11,2025	Sh. A. Pathak, AD
K Environmental Management				
01	Echo Friendly power solutions with remote sensing and GIS	02 Days	July 29-30, 2024	Sh. M.L. Senapati, DD
L Other Training Programs as per the Requirement of Client on Mutually Agreed Basis				
01	Maintenance & Protection of Transformers	02 Days	To be decided in consultation with customer organization	
02	Zero Accident Mindset to Protect Personnel Environment and Equipment	02 Days		
03	Potential Hazards in Thermal Power Plant	02 Days		
04	Fire Hazards in Power Plant	02 Days		
05	Safe Handling Procedures in Mechanical / Electrical (Rotary and Static)	02 Days		

Annual Training Calendar 2024-25

C. List of Simulator Training Programs

Sl.No	Name of Course	Days	Dates	Coordinator
01	210 MW Thermal Simulator Training	1 Week	April 08 – 12, 2024	
02	210 MW Thermal Simulator Training	2 Weeks	April 15 – 26, 2024	
03	500 MW Thermal Simulator Training	1 Week	May 06 – 10, 2024	
04	500 MW Thermal Simulator Training	2 Weeks	May 13 – 25, 2024	
05	800 MW Thermal Simulator Training	1 Week	June 03 – 07, 2024	
06	800 MW Thermal Simulator Training	2 Weeks	June 10 – 22, 2024	
07	210 MW Thermal Simulator Training	1 Week	July 08 – 12, 2024	
08	210 MW Thermal Simulator Training	2 Weeks	July 22 – August 02, 2024	
09	500 MW Thermal Simulator Training	1 Week	August 05- 09, 2024	
10	500 MW Thermal Simulator Training	2 Weeks	August 20- 31, 2024	
11	800 MW Thermal Simulator Training	1 Week	Sept 02–06, 2024	
12	800 MW Thermal Simulator Training	2 Weeks	Sept 9 – 21, 2024	
13	210 MW Thermal Simulator Training	1 Week	Nov 11 –16, 2024	
14	210 MW Thermal Simulator Training	2 Weeks	Nov 18 –29, 2024	
15	800 MW Thermal Simulator Training	1 Week	Dec 02- 06, 2024	
16	500 MW Thermal Simulator Training	2 Weeks	Dec 09 – 20, 2024	
17	800 MW Thermal Simulator Training	1 Week	Jan 06 – 10, 2025	
18	210 MW Thermal Simulator Training	2 Weeks	Jan 20 – 31, 2025	
19	210 MW Thermal Simulator Training	1 Week	Feb 03 – 07, 2025	
20	500 MW Thermal Simulator Training	2 Weeks	Feb 17 – 27, 2025	
21	500 MW Thermal Simulator Training	1 Week	Mar 10 –14, 2025	
22	800 MW Thermal Simulator Training	2 Weeks	Mar 17 –28, 2025	

Course Fee

In-House Training Program	
Duration	Fee (Rs.)
1 Day	5000.00
2 Days	9000.00
3 Days	13000.00
4 Days	16000.00
5 Days(1 Week)	18000.00
2 Weeks	33000.00
3 Weeks	45000.00
4 Weeks	57000.00
5 Weeks	69000.00
6 Weeks	78000.00
7 Weeks	87000.00
8 Weeks	94000.00
9 Weeks	101000.00
10 Weeks	108000.00
11 Weeks	114000.00
12 Weeks	120000.00

On-Site / On Plant Training Programs	
Duration	Fee (Rs.)
1 Day	8500.00
2 Days	15500.00
3 Days	22000.00
4 Days	27500.00
5 Days(1 Week)	30000.00
210/500/800 MW Thermal Simulator	
1 Week	25000.00
2 Weeks	50000.00
<ul style="list-style-type: none"> In respect of short term courses (1 day to 4 weeks) fee is inclusive of tea/snacks and working lunch. In respect of other course, fee is exclusive of tea/snacks and working lunch GST shall be charged extra. For Specialized courses / on-site/on-plant training program, minimum number of participants should be 10. If number of participants is less than 10, then fee for 10 participants will be charged. 	

BEST INSTITUTE AWARD 2023 CONFERRED TO NPTI(ER),DURGAPUR



Sh Krishan Pal, Hon'ble Union Power Minister for State presenting Best institute award to Sh. S.K. Srivastava , Director in august presence of Dr. Tripta Thakur, DG NPTI



Graduate Engineer Trainee (GETs) batch of OHPC Limited undergone Induction Training

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.



Sh S. Suresh Kumar , IAS , Chairman DVC visited institute on 05.04.2024 and addressed GETs of DVC undergoing 52 weeks Induction Training.

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.



Sh, Amresh Kumar, Managing Director, OHPC Limited visited institute and seen the infrastructure available for imparting training to GETs/DETs of OHPC Limited.

Annual Training Calendar 2024-25

Conference / Seminar / Workshops

NPTI(ER) regularly organizes Conference / Seminars /Workshops in Challenging areas of Indian Power Sector in different places across the country.



National Conference on “Sustainable future of India with Green Power” at Jaisalmer (Rajasthan)



Faculty Database



Qualification & Area of Specialization:
B.E.(Electrical), MBA
Power System Operation,HVDC Technology
& General Management
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S.K. Srivastava
Director & Head of Institute



Qualification & Area of Specialization:
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A. Indira
Dy. Director



Qualification & Area of Specialization:
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Sanjay Kumar
Dy. Director



Qualification & Area of Specialization:
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Motilal Senapati
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Mukesh Kumar
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Dr. R. Senthil Kumar
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