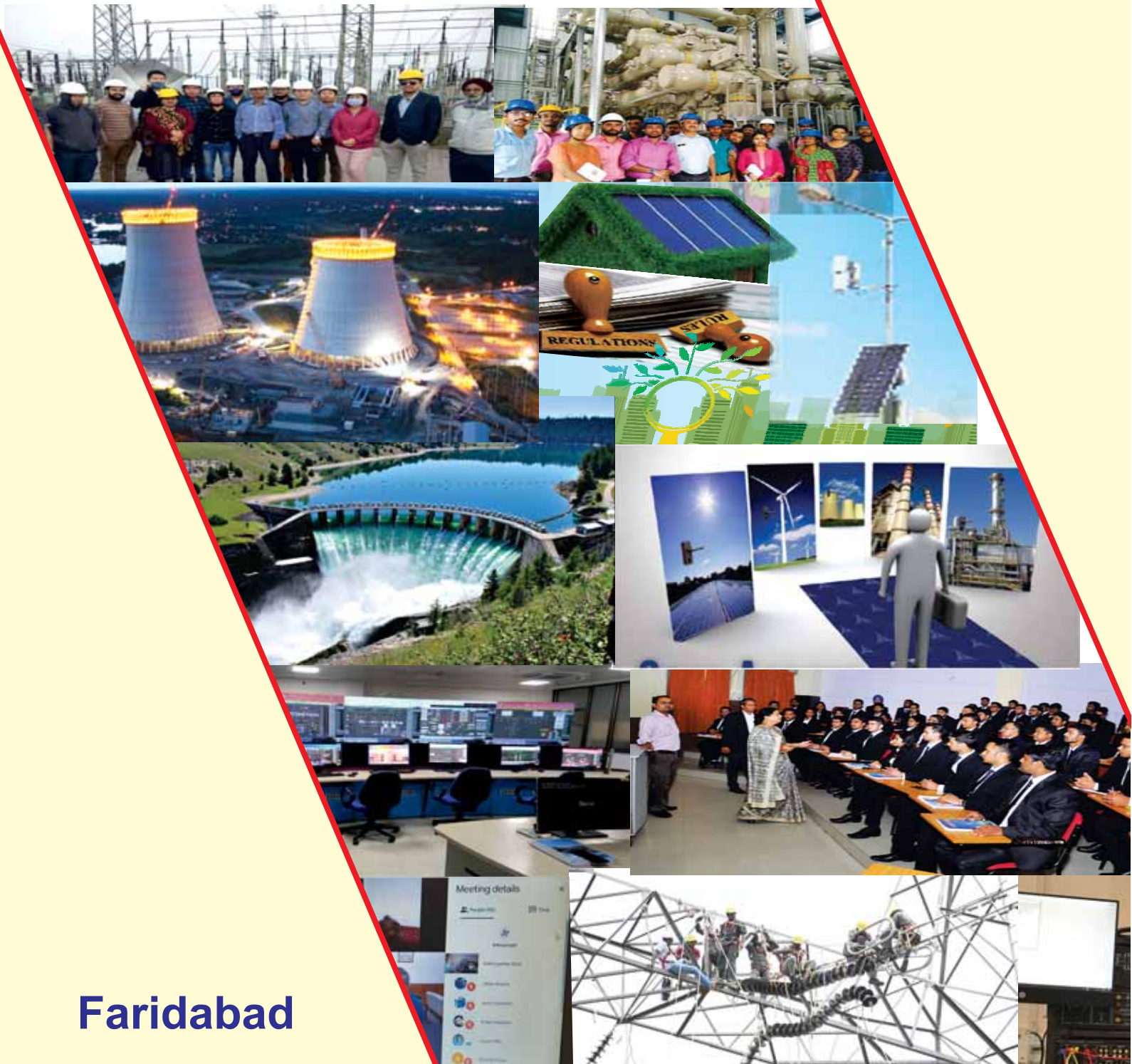


# प्रशिक्षण कैलेंडर Training Calendar



Faridabad



## National Power Training Institute

(An ISO 9001:2015 & 14001:2015 Organisation)  
Ministry of Power, Government of India  
NPTI Complex, Sector - 33, Faridabad - 121003 India  
Website: [www.npti.gov.in](http://www.npti.gov.in)

# GOVERNING COUNCIL NATIONAL POWER TRAINING INSTITUTE



**Shri Alok Kumar**  
Secretary, Ministry of Power  
Chairman, Governing Council



**Shri Dinesh Chandra**  
Chairperson, CEA  
Vice-Chairman, Governing Council



**Shri Ashish Upadhyaya**  
Additional Secretary & Financial Adviser  
Ministry of Power, Permanent Member



**Shri S. K. G Rahate**  
Additional Secretary  
Ministry of Power, Permanent Member



**Shri Jithesh John**  
Economic Adviser,  
Ministry of Power



**Dr. Tripta Thakur**  
Director General, NPTI  
Member Secretary, Governing Council

**\*Beside there are 16 more members from various organisations**



## VISION, MISSION, VALUES AND ATTITUDE OF NPTI



### Vision

To be the Global Centre of Excellence for Training and Skill Development in Power & Energy Sectors.



### Mission

Enhancing human and organizational excellence in Power and Energy sectors by blending frontier clean energy technologies to achieve economy and energy security.



### Values

We value our drive and commitment to provide cutting edge technologies and top quality service to our clients, sharing our knowledge and caring for their needs.



### Attitude

We constantly strive to motivate every power professional to tap his unique human endowments, consciousness, imagination and willpower. Together we make a difference.



## CONTACT US



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## ABOUT NPTI

National Power Training Institute (NPTI), an ISO 9001:2015 & ISO 14001:2015 organization under Ministry of Power, Govt. of India is a National Apex body for Training and Human Resources Development in Power Sector and the world's leading integrated Power Training Institute, with its Corporate Office at Faridabad. NPTI operates on a Pan- India basis through its Eleven (11) institutes. Apart from highly skilled and competent trainers and state-of-art laboratories, NPTI has Hi-tech real time simulators of various power plant capacities, which includes thermal (Supercritical, Subcritical), multifunctional, CCGT, Hydro, SCADA & Smart Grid Operations and Despatcher Training Simulator at its various institutes. Having trained more than 3,60,000 Power Professionals in training programs over the last 5 decades, NPTI is the only Institute of its kind in the world with such a wide geographical spread and covering a wide gamut of training programs in Renewable Energy & Power Sector.

NPTI operates on an all India basis with man-power strength of 194 including 85 officers through its 11 Institutes as per detail below:

### Northern Region

1. NPTI Corporate Office, Faridabad
2. NPTI (Northern Region) Badarpur, New Delhi
3. NPTI (Hydro Power Training Centre), Nangal

### Southern Region

4. NPTI (Power System Training Institute), Bengaluru
5. NPTI (Hot Line Training Centre), Bengaluru
6. NPTI (Southern Region), Neyveli
7. NPTI, Alappuzha

### Eastern & North Eastern Region

8. NPTI (Eastern Region), Durgapur
9. NPTI (North Eastern Region), Guwahati

### Western Region

10. NPTI (Western Region), Nagpur
11. NPTI, Shivpuri

## MAIN OBJECTIVES OF NPTI

1

To function as a National Organization for training in the fields of (a) Operation and Maintenance of Power Plants, and (b) All other aspects of Electrical Energy Systems including transmission, sub-transmission and distribution.

2

To act as an Apex Body for initiating and coordinating training programs in the Power Sector of the Country.

3

To establish and run Training Institutes for Engineers, Operators, Technicians and other personnel of the Power Sector.

## SUBSIDIARY OBJECTIVES

- To identify and assess the training needs of the Power Sector in the Country.
- To coordinate the training activities of the various Utilities and those of other technical Institutions and supplement it with the training programmes of its own training Institutes.
- To establish standard norms regarding qualifications and training for personnel of various levels.
- To serve as a National Certification Authority for the purpose of Certification of competence and/or participation to ensure availability of properly trained personnel to man the Electricity Supply Industry.
- To initiate, conduct and coordinate R&D studies in the field of Operation, Maintenance and Management of Power Generation and Transmission System and to prepare and conduct specialized training programmes.
- To establish, maintain and manage laboratories, workshops, experimental transmission lines, sub-station and other

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- To serve as a National Certification Authority for the purpose of Certification of competence and/or participation to ensure availability of properly trained personnel to man the Electricity Supply Industry.
- To initiate, conduct and coordinate R&D studies in the field of Operation, Maintenance and Management of Power

## TRAINING AT A GLANCE AT NPTI

NPTI conducts long-term, medium-term & short-term Training Programs for Engineers & Supervisors on various technical and managerial topics pertaining to the Renewable Energy & Power Sector in the areas of Thermal, Hydro, Renewable, Transmission & Distribution, Management, Regulatory Affairs etc. in the all Institutes. The training programs are either NPTI's regular training programs or customized training programs to suit the training needs of the client organizations. These programs are being organized round the year along with Workshops and Seminars on latest developments in the Sector.

To achieve the objective of providing Energy Sector training, the training methodology so adopted creates step by step environment for all round development of skill and knowledge of the participants.

- Class room lectures for imparting formal, theoretical and technical knowledge.
- Case studies/Group discussions.
- Self learning techniques, like computer based self learning training packages and e-learning
- Practical hands-on training in corrective maintenance methods and techniques.
- Simulation techniques and on-job training in Power Stations/Power Systems.

### Industry Interfaced Programs and Placement of Students

NPTI conducts the following industry interfaced programs with the objective to create a pool of committed and competent professionals equipped with appropriate technical skills to steer the Indian Power Sector

- One Year Post Graduate Diploma Course in Power Plant Engineering
- One Year Post Graduate Diploma Course in Renewable Energy and Grid Interface Technologies
- One Year Post Graduate Diploma Course in Smart Grid Technologies
- One Year Post Graduate Diploma Course in Power Management
- One Year Post Graduate Diploma Course in Power System Operation
- One Year Post Graduate Diploma Course in Sub-Transmission & Distribution system
- Nine Months Post Graduate Diploma Course in Hydro Power Plant Engineering
- Six Months Post Graduate Diploma Course in Transmission and Distribution System for Engineers
- One Year Post Diploma Course in Power Plant Engineering
- Six Months Post Diploma Course in Hydro Power Plant Engineering
- Six Months Post Diploma Course in Hydro Power Plant Engineering

Our students of Post Graduate Diploma Courses (PGDC) and Post Diploma Courses (PDC) have been recruited by reputed companies. For the list of recruiter companies refer chapter **NPTI Clientele and Recruiters**.

### Induction Training

NPTI has imparted induction training to fresh Graduate Engineers/Executives of various Power Sector Organizations for details refer chapter **NPTI Clientele and Recruiters**.

### On - Job Training

On-job training is an essential supplement to formal training which provides the trainees an understanding of the functions through involvement with real work situations. Special stress is laid on acquisition of required skills for undertaking specific responsibilities in a particular area of work. On-job experience simplifies and consolidates knowledge in a particular sphere for which special type of work books have been designed according to the needs of area where on-job training is conducted.

### Online Training Courses

NPTI is conducting online training programs on all aspects of Renewable Energy and Power sector. After Covid-19 outbreak many short term training programs have been converted and conducted in the online mode as well as offline mode. The long term and medium term training programs are also being conducted in blended mode (online & offline) during Covid-19 pandemic.

NPTI is also conducting a blended training program for REMC Operators, in association with GIZ. The training is a blend of 12 weeks online and 1 week classroom training at NPTI. International and national experts have been involved in preparation of the modules and conducting the classroom training.

### NPTI Recognized as Cadre Training Institute for Central Power Engineering Services

NPTI is functioning as an Apex Cadre Training Institute for the engineers/officers of Central Power Engineering Services. NPTI is conducting fifth batch of 26 weeks Induction Training Programs for the Asstt. Directors of CEA. The program includes 20 weeks Technical Training with industry interface and 6 weeks Management Training.



## CUSTOMIZED TRAINING PROGRAMS

### Training on “Measures Relating to Safety and Electrical Supply”

The major focus on this program is to upgrade the knowledge of safety in handling the electrical equipments in compliance with CEA Safety Regulation 2010 in the areas of work and sub-station. This program is conducted for ONGC executives and B.Tech final year student of various engineering colleges.

### Training Program for Forum of Regulators

National Power Training Institute, Faridabad organizes two days residential training program on “Protection of Consumer Interest” for the ombudsman and officials from the Consumer Grievance Redressal Forums, Regulatory commissions of the various states. This program is conducted every year under the aegis of Forum Of Regulators. The objective of the program is to discuss on various regulations, laws, consumer issues and case studies pertaining to the power sector. Recently NPTI Faridabad conducted the program during 16-19 February 2021 in online mode.

### Training Program for Distribution Linemen

NPTI has conducted “Urja Sarathi”, “Uttam Urja Sarathi” “Urja Sarathi 2.0” Training Programs for the lineman of BSES Rajdhani Power Ltd., Delhi. Around 2500 Distribution Linemen were comprehensively trained and certified in the areas of basics of Electricity, Poles, Pole erection, mounting, stringing, clearances, sub-station equipment such as DTs, Circuit Breakers, earthing with their safe operating procedures and accent on Safety. The feedback from BSES is that this training has immensely benefitted the Distribution Linemen with zero number of accident and casualty for last one year.

### Capacity Building Training Program

NPTI is conducting 4 weeks “Technician Development Program” for the Capacity Building of DISCOMs of NER States. 6 States are participating in this training program.

### Power System Operation Training and Certification

NPTI has been conducting Certification of Power System Operators since 2011. Training Courses at NPTI, Corporate Office, Faridabad, Power System Training Institute (PSTI), Bengaluru and NPTI (NER), Guwahati equipped with necessary inputs to take up the various System Operation Certification Examinations.

### Basic level on-line System Operator Certification

A total of 1529 System Operators were certified against 1899 who appeared for the Basic Level Certification Examinations. Specialist level courses on ‘Regulatory Framework in Power Sector’, ‘Power System Reliability’, ‘Renewable Energy Sources and Grid Integration’, ‘Power System Logistics’ and ‘Power Market Specialist’ are being conducted both at Corporate Office, Faridabad and at PSTI, Bengaluru.

### Specialist Level Online System Operator Certification

In “Regulatory Framework in Power Sector” 429 System Operators appeared for the certification examination out of which 260 qualified.

In “Power System Reliability” 198 System Operators appeared out of which 126 were qualified.

In “Power System Logistics” 44 System Operators appeared out of which 23 were qualified.

### Simulator Training

Simulator at various locations are housed in an existing Simulator Training Centre with classrooms and other infrastructure facilities for a full fledged training activity. The simulator design includes equipment, instrumentation and controls that enables operator to function in all module with optimal specified operation conditions including normal, abnormal or emergency operating conditions. The protections, interlocks, logics and controls of the real plant are incorporated in the simulation system.



Simulator Training at NPTI Nagpur



Visit of Campus Recruitment Team of JSW Energy at NPTI Faridabad

## PROGRAMS OF NATIONAL IMPORTANCE

### Skill Development Training

NPTI has been empanelled as a Government agency with Ministry of Rural Development (MoRD) for conducting NSQF aligned training program on all India basis for Power Sector & Renewable Energy Sector vide notification no. 5/2019, dated: 26.02.2019 and the MoU has been signed with MoRD on 04.04.2019.

Vide Gazette notification No. 449, F. 43001/02/2013-NSDA, dated 05.12.2019 of Ministry of Skill Development and Entrepreneurship & 23rd meeting of NSQF held on 22.08.2019, NPTI has been recognised as an Assessment & Certification body for 60 Qualifications in Power Sector and Renewable Energy Sector.

### ATAL Faculty Development Program

NPTI is conducting AICTE Training & Learning Academy (ATAL) faculty development program in the areas of recent technological advancement across India through its eleven (11) institutes.

### Capacity Building of DISCOMs under Revamped Distribution Sector Scheme for Discoms

NPTI engaged for Carrying out the capacity building programs under Revamped Distribution Sector Scheme (RDSS) for DISCOMs Employees

### Cyber Security Programs for Power Sector

## INTERNATIONAL TRAINING

Professionals from various countries like Afghanistan, Bangladesh, Belarus, Bhutan, Cambodia, Ecuador, Ethiopia, Iraq, Kenya, Libya, Malaysia, Mexico, Myanmar, Nepal, Nigeria, Oman, Papua New Guinea, Philippines, South America, Sri Lanka, Sudan, Syria, UAE, Zambia, Zimbabwe etc. have also undergone training at NPTI's various training Institutes.

### ITEC Program, Ministry of External Affairs, Govt. of India

NPTI is conducting training programs through ITEC, MEA, Govt. of India for the countries of the world i.e. SAARC, African Countries etc. 48 engineers of Bhutan Power Sector were trained under this scheme at NPTI in various training programs during 2019-20.

## INFRASTRUCTURAL FACILITIES AT NPTI

The Institutes offer world class infrastructural facilities like, excellent simulators, relevant laboratories and workshops, computer labs well stocked libraries with national and international journals and reference materials, fully air-conditioned classrooms, conference halls and board rooms with video conferencing facility, modern classrooms equipped with latest teaching aids, wi-fi enabled campus, separate hostel for students, executives and international trainees, auditorium, gymnasiums and playgrounds.

### GIS Resource Centre

A Geographical Information System (GIS) Resource Centre has been set up at NPTI Corporate Office, Faridabad. The Centre is conducting various courses in GIS and Remote Sensing to meet the requirements of the Power Sector.

### Hot Line Training Centre

A facility has been created at NPTI's Hot Line Training Centre (HLTC), Bengaluru for Live Line Maintenance of Transmission Lines upto 400 KV (first of its kind in Asia) which enables the trained personnel to attend the maintenance requirements without power interruptions. Facility for water washing of sub-station equipments is also available.

### Models

All the Institutes have good number of Static and Dynamic 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.



Process Control Training at NPTI Guwahati



Heat Transfer Lab at NPTI Nagpur



High Voltage Lab at PSTI Bangalore



Hydraulic Lab at NPTI Guwahati



Bypass Jumper Works in 66kV Switchyard at HLTC Bangalore



Insulator Washing Training at HLTC Bangalore



## Laboratories/Workshops

The laboratories and Workshops are the prerequisites for providing on-job, hands-on training in the maintenance aspects. The institutes have well equipped laboratories and workshops with wide ranging facilities for imparting training to all cadres including Technicians, Operators and Engineers, in various aspects of Power Generation, Transmission Distribution and Operation. Some of the areas where expertise has been built up are:

- Electrical laboratories with facilities for testing of relays, Control and Instrumentation Laboratories with facilities for testing, calibration and repairs of different types of process control instruments.
- Maintenance workshops for Valves, Bearings & Shaft alignment, Pumps, Motors etc.
- Power System Studies Laboratories are equipped with Transmission and Distribution System Software where studies such as load flow analysis, short circuit studies, transient stability studies, relay coordination studies, optimal capacitor placement, network reduction and optimal separation point can be conducted.

## 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.

## Library

NPTI Corporate Centre library has a large collection of books and video packages on power generation, transmission and distribution technologies, various branches of engineering, science, industrial relations, management etc. It subscribes to a number of Indian and foreign technical journals and periodicals.

All regional institutes have modern libraries stocking a large collection of books and multimedia films on Power Station Technology, Mechanical Engineering, Electrical Engineering, Power Plant, Chemistry, Control and Instrumentation, Electronics, Computers, Management etc.



## Auditorium, Conference Hall, Residential Quarters



All Institutes of NPTI are situated in picturesque landscapes. They have auditorium/ conference hall and classrooms with most modern amenities for conducting the training programs, conferences, seminars and workshops. All the campuses are housed with residential quarters for the employees, guest house, hostels, sports facilities, gymnasium and canteen. The campuses and hostels are Wi-Fi enabled and provide a hygienic and homely atmosphere to the trainees.

## Hostel Facilities

Residential Services are available for Regular Trainees, Executives and Foreign National in all the Institutes. Well furnished hostels for Executive and Trainees with modern lodging and boarding facilities are available in all Institutes.

NPTI Corporate Office, Faridabad can accommodate about 550 trainees. An international hostel with 24 double bedded rooms is available at Faridabad.

Well furnished hostels are also available at each of the regional institute of NPTI 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 Principal Director/Director 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 Table Tennis, Badminton, Carom, Chess etc. are available for trainees in Hostel, creating a congenial atmosphere of a Home away from Home.

The hostel accommodation is provided to the trainees only for the period of training course.



## Classrooms

All the institutes have modern classrooms equipped with latest teaching aids and audio visual aids, required for efficient running of training programs. Video conferencing facility is available in all the institutes.

## Medical Services

Services of well qualified doctors are available on part-time basis in each of the Institute Complex.

## Faculty Members

NPTI's faculty consists of highly qualified, award winning, scholarly and experienced men and women who are leaders in their respective fields. Our faculty members come from across the country, sharing their perspective, wealth of knowledge, experience, qualification and expertise with students and working Professionals. Faculty members at NPTI have successfully developed numerous industry responsive courses to ensure trainees bring out the best in them and excel in their careers. Details of the faculty members are available on NPTI's website [www.npti.gov.in](http://www.npti.gov.in).

## HOW TO APPLY FOR PARTICIPATION

All the Institutes work five days a week (Monday to Friday), working hours being 09:30 to 18:00 hrs. The changes in program schedule, if any, are duly intimated. NPTI regularly organizes Training programs/ Seminars/ Workshops in collaboration with National/ International Power Sector Organizations, details of which are prominently displayed on the website.

Nomination along with course fee for various courses may be sent to The Principal Director/ Director of the respective institute at least 15 days in advance from the date of commencement of the course. Aspiring students for PGDC courses may visit the website, and keep abreast with announcements of the various programs and may apply as per the instructions therein. The information and brochures of different workshops, seminars and conferences being conducted at NPTI are also available on the website. Application/ Registration to the workshops/ seminars/ conferences may be done as mentioned in the respective brochures.

## CONSULTANCY SERVICES

In order to serve the industry requirements and make best usage of infrastructure and expertise, NPTI has ventured into providing consultancy services in a number of relevant areas of Energy Sector.

## TRAINING PROGRAMS

S.No.	Title of the Program	Duration	Participant/Organization
1	Training of AEA, SDA & BEE officials on PAT (Thermal Power Plant)	2-days	Accredited Energy auditors SDAs BEE officials
2	Training Program of IT& OT	1-day each	BEE officials
3	Training on Sensitizing the Farmers on stubble/crop residue (Parali) burning	1-day each	Farmers
4	Training Program of supply chain of stubble/crop residue	3-days	PELLET Manufacturer and Bale suppliers
5	Training Program crop Residue Co-firing for Power Generation	3-days	Thermal Power Generation
6	Training Program Risk Management	3-days	NHPC officials
7	Training Program IT and OT	1-day each	NHPC officials
8	Training Program Next Generation Distribution System Transition towards Smart Grid	1-week	Foreign Nationals
9	Training Program of Recent Trend and Best Practices in Power System Operation with RE integration	1-week	Foreign National
10	Induction Training Program for REC Executives	2-weeks	REC officials
11	Training Programme-1 Introduction to AMI and role of AMI in reducing AT & C losses	3-days	DISCOM Employee (Jr.& Middle Management)
12	Training Program-2 AMI System Design and Program management	3-days	DISCOM Employee (Sr.& Middle Management)



13	Training Program-3 IT/Comm. Technology in Smart metering	10-days	DISCOM Employee (IT/Metering Dept. Personnel)
14	Training Program-4 AMI analytics and data applications	10-days	DISCOM Employee (Commercial/Operation Dept. Personnel)
15	Training Program-5 SCADA, IT/OT Technologies DMS & OMS System	10-days	DISCOM Employee (Jr.Middle & Sr. Management)
16	Power & Energy Technologies	4-weeks	Graduate Engineers
17	Specialist Level Course on Regulatory Framework in Power Sector	2-weeks	POSOCO, RLDCs,SLDCs
18	ITEC Program on Next Generation Distribution System Transition Towards Smart Grid	5-days	Foreign Nationals
19	Renewable Energy & Emerging Technologies	5-days	Graduate Engineers
20	Induction Training of CEA Batch- V	26-weeks	CEA Officials
<b>September 2021</b>			
21	Post Graduate Diploma in Power Plant Engineering (2020-21) Summer Batch	52-weeks	Graduate Engineers
22	Post Graduate Diploma in Renewable Energy and Grid Integration (2020-21) Summer Batch	52-weeks	Graduate Engineers
23	Post Graduate Diploma in Power Plant Engineering (2021-22) Winter Batch	52-weeks	Graduate Engineers
24	Power & Emerging Technologies	4-weeks	B. Tech. Students
25	Renewable Energy & Emerging Technologies (Batch-I) SJVNL	5-days	SJVNL Executives
26	Renewable Energy & Emerging Technologies (Batch-II) SJVNL	5-days	SJVNL Executives
27	PGDC-PPE (2021-22) Summer Batch	52-weeks	Graduate Engineers
28	Next Generation Distribution System Transition Towards Smart Grid	5-days	Foreign Nationals
29	Application of Remote Sensing & GIS for Environment Impact & Socio-economics studies with respect of Hydropower Project	3-days	NHPC officials
30	EIA FOR Hydropower Projects	3-days	NHPC officials
31	Settlement of dispute through arbitration/commercial courts/civil courts etc.	3-days	NHPC officials
32	Taxation issues in contract	3-days	NHPC officials
33	Service /consultancy contract based on QCBS	3-days	NHPC officials
34	Project insurance matters during construction	3-days	NHPC officials
35	Best practices on dealing and settlement of contractor's claim	3-days	NHPC officials
36	Understanding and handling of force majeure /preparation of Insurance claim after force majeure/handling of contract claims after force majeure	3-days	NHPC officials
37	Roles of administrative dispute resolution in economic growth	3-days	NHPC officials
38	Legal dimensions of E-contracts & digital transaction	3-days	NHPC officials

39	<b>Fundamentals of medical laws in India</b>	3-days	NHPC officials
40	<b>Important aspects of contract management</b>	3-days	NHPC officials
41	<b>CAR/EA policies and their implementation</b>	3-days	NHPC officials
42	<b>Understanding of FIDIC 1999 &amp; 2017</b>	3-days	NHPC officials
43	<b>Bid creation, Evaluation &amp; Award for Procurement Services and good contracts in Gems Portal</b>	2-days	NHPC officials
44	<b>Cyber Security for IT team</b>	10-days	NHPC officials
45	<b>Cyber Security for OT team</b>	10-days	NHPC officials
46	<b>Deviation Settlement Mechanism</b>	2-days	NHPC officials
47	<b>Real Time Market in Power Sector</b>	2-days	NHPC officials
48	<b>Power Trading and Power Exchange</b>	2-days	NHPC officials
49	<b>Protection system of Hydropower Plant</b>	5-days	NHPC officials
50	<b>Tariff regulation, terms &amp; conditions for Tariff calculations of Hydro Project</b>	2-days	NHPC officials
51	<b>Auto CAD Training</b>	3-days	NHPC officials
52	<b>Training for working with Macro based Excel workbook</b>	3-days	NHPC officials
53	<b>E&amp;M Auxiliaries of Hydropower Plant</b>	5-days	NHPC officials
54	<b>RE Technologies &amp; RE Integration</b>	3-days	NHPC officials
55	<b>Efficiency/Performance testing of Hydropower Plant as per IEC 60140</b>	2-days	NHPC officials
56	<b>250 MW Hydro Simulator</b>	5-days	NHPC officials
57	<b>Design, Operation, Economic Evaluation of Floating Solar</b>	2-days	NHPC officials
58	<b>Turbine Model testing as PER IEC 60193</b>	2-days	NHPC officials
59	<b>CCGT April'21</b>	1-week	Simulator
60	<b>Online summer May'21</b>	4-weeks	Simulator
61	<b>Online summer June'21</b>	4-weeks	Simulator
62	<b>CCGT Simulator August'21</b>	2-weeks	Simulator
63	<b>Skill Development Sept'21</b>	1-day	Simulator
64	<b>250 MW Hydro Simulator Sept'21</b>	1-week	Simulator
65	<b>800MW Super Critical Thermal Power Plant Simulator Training Sept'21</b>	1-week	Simulator
66	<b>CCGT Simulator Oct'21</b>	2-weeks	Simulator
67	<b>Smart Grid Oct'21</b>	1-week	Simulator

**Up Coming Programs**

68	<b>Thermal Simulator</b>	As per Clients Requirement
69	<b>CCGT Simulator</b>	As per Clients Requirement
70	<b>250 MW Hydro Simulator</b>	As per Clients Requirement
71	<b>CCGT Simulator</b>	As per Clients Requirement
72	<b>800MW Super Thermal Simulator</b>	As per Clients Requirement





## CONSULTANCY SERVICES

In order to serve the industry requirements and make best usage of infrastructure and expertise, NPTI has been providing consultancy services to various Power Sector Organisations. The salient details are mentioned below:

### i) DPRs under R-APDRP, Part-B for the 11th Plan

- Energy & Power Department of Sikkim (2 Towns)
- Purvanchal Vidyut Vitran Nigam limited (PVVNL), Varanasi (29 Towns).
- Tripura State Electricity Corporation Ltd. (TSECL), Tripura (16 Towns).
- Assam Power Development Corporation Ltd. (APDCL), Assam (69 Towns).

### ii) Tier-I, Third Party Inspection Agency (TPIA) Quality Inspection Works for Rajiv Gandhi Grameen Vidyut Yojana (RGGVY) for the 10th & 11th Plans

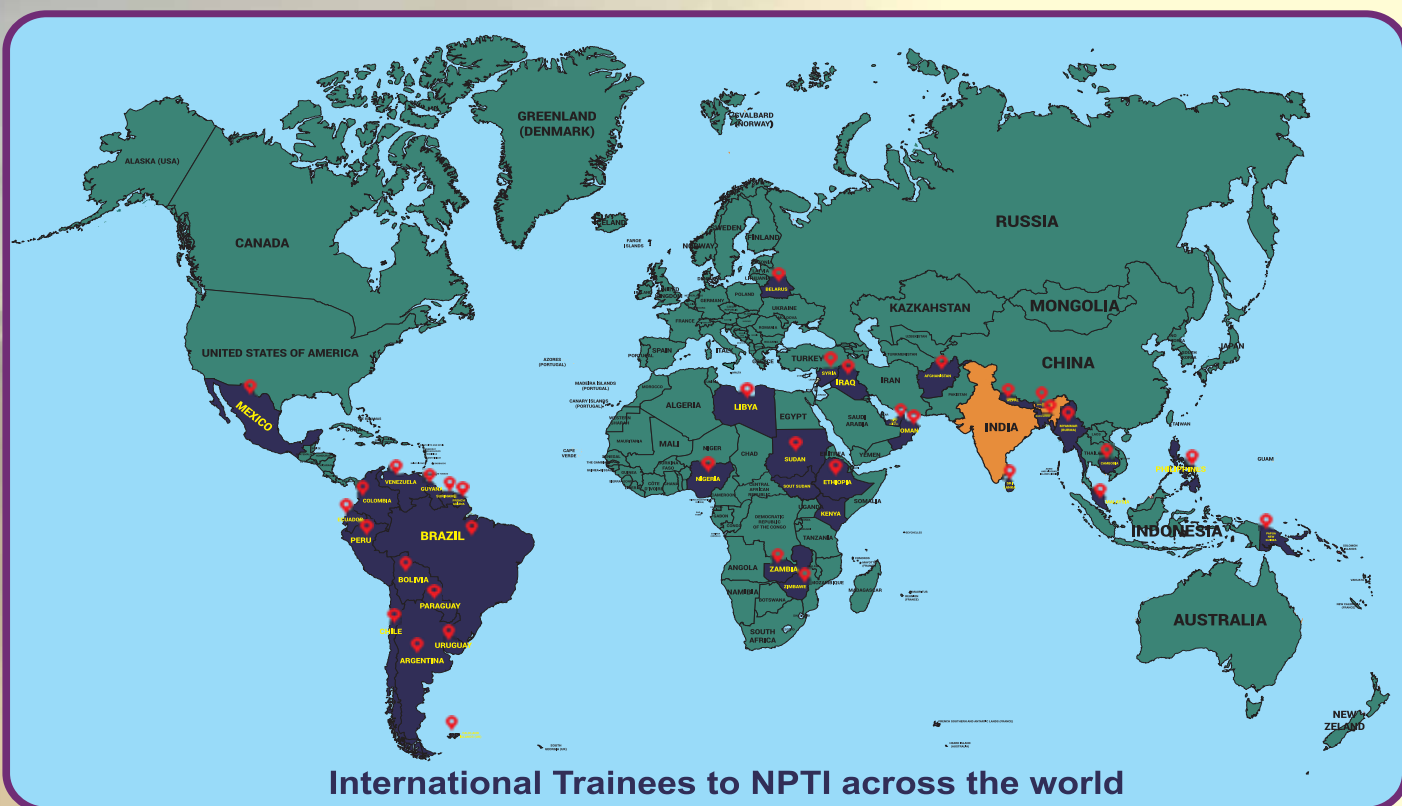
- **Mangalore Electricity Supply Company Ltd. (MESCOM), Karnataka**, for their Chikmagalur & Kadur Districts for 11th Plan.
- **Gulbarga Electricity Supply Company Ltd. (GESCOM), Karnataka**, for all their Districts viz., Bidar, Raichur, Koppal, Bellary etc.
- **Hubli Electricity Supply Company Ltd. (HESCOM), Karnataka** for all their 5 Districts viz. Dharwad, Gadag, Haveri, Bijapur & Bagalko.

### iii) Other Consultancy Assignments completed

- NPTI provided Consultancy services to **WAPCOS** for preparation of DPR for establishment of Power Training Institute in **Bhutan**.
- NPTI provided Consultancy services to **NHPC** for preparation of DPR for establishment of Hydro Power Training Institute in **Jammu & Kashmir**.
- NPTI in association with TATA Consulting Engineers (TCE) has completed an assignment of preparation of a Feasibility Study for establishing a "National Power Academy" in the Kingdom of **Saudi Arabia**.
- NPTI worked as **REC Quality Monitors (RQM) for Tier – II Inspection of RGGVY works** for the Six (6) states viz., Mizoram, Manipur, Meghalaya, Nagaland, Tripura and Jammu & Kashmir. The assignment included Quality Inspections of Pre-shipment and Village Electrification Works as Rural Electrification Corporation's Quality Monitors (RQM).
- NPTI carried out an assignment of Commercial System Analysis of the Power Distribution Company of **Purvanchal Vidyut Vitran Nigam Ltd. (PuVVNL), Varanasi** for Reduction in Revenue Loss in its various electricity circles.
- Based on the appreciable performance of the assignments carried out **PuVVNL, Varanasi** again awarded Meter Testing, Checking and replacement in its various electricity distribution circles.
- **Bureau of Energy Efficiency (BEE)** awarded a Consultancy Assignment for Training of Master Trainers on "Demand Side Management & Energy Efficiency" for various DISCOMs in India. The assignment includes visits to various Distribution Utilities across India to assess their training needs and formulate/design syllabus and Course Contents and train the junior & middle management level officers for the best DSM & Energy Efficiency practices for furthering the cause in their respective Distribution Utilities.
- **Dakshinanchal Vidyut Vitran Nigam Ltd. (DVVNL), Agra**, engaged NPTI for Preparation of DPRs of 17 Distribution Circles of DVVNL, comprising 21 Districts of Uttar Pradesh under Integrated Power Development Scheme (IPDS).
- **Dakshinanchal Vidyut Vitran Nigam Ltd. (DVVNL), Agra** engaged NPTI for Preparation of DPRs of 07 Districts of DVVNL of Uttar Pradesh under Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY)

### iv) Current Consultancy Work/Projects

- **PMA work in NESCO & WESCO, Odisha:** - NPTI bagged a Consultancy assignment as Project Management Agency (PMA) for DDUGJY & IPDS works in WESCO & NESCO Utility area of OPTCL.
- **IPDS project of APDCL, Assam:** - NPTI has bagged Letter of Award (December 2018) for engagement as Project Management Agency (PMA) for the works under IPDS from Assam Power Distribution Company Ltd (APDCL).
- **NTPC- TPIEA Work:** – NPTI has been awarded the work of Third-Party Inspection Agency (TPIA) by NTPC for TPIA Inspection of 15 Districts of Odisha under 12th Plan DDUGJY Projects being implemented by NTPC. NPTI has to conduct inspection of 7000 Villages and submit the reports accordingly to NTPC.
- **PuVVNL - Project Management Agency (PMA)/Consultant** - NPTI has been appointed as Project Management Agency (PMA)/Consultant to provide services for the works of Unmetered to metered consumers in rural areas of all districts under in PuVVNL to provide complete Project Management services by hand holding the project of PuVVNL, Varanasi DISCOM in the state of Uttar Pradesh under "the works of Unmetered to Metered consumers in rural areas of all districts under in PuVVNL."
- **PuVVNL DPR** – NPTI has been awarded the work for "Preparation of DPR including SCADA system for conversion of HT/LT over head line to undergrounding, erection of DT and electrical connection of consumer from over head to underground and other associated construction work of different area of Varanasi City under Purvanchal Vidyut Vitran Nigam Ltd."
- **Vigilance Inspection of UPPCL**– NPTI has been appointed as an agency to carry out the Third Party Audit of Performance of billing agencies in rural areas of Uttar Pradesh Power Corporation Limited, a holding company of five Discoms viz. Dakshinanchal Vidyut Vitran Nigam Ltd. (DVVNL), Madhyanchal Vidyut Vitran Nigam Ltd. (MVVNL), Paschimanchal Vidyut Vitran Nigam Ltd. (PVVNL), Purvanchal Vidyut Vitaran Nigam Limited. (PuVVNL) and KESCO – Kanpur. **UPPCL Mainpuri** – NPTI has conducted the work of "Third Party Independent Evaluating Agency for Quality Monitoring (Assurance) work in Saubhagya Scheme in 30 villages of District Mainpuri, Uttar Pradesh".
- **Audit of TRW of UPPCL**- NPTI has been awarded the work of Technical, Material & Financial Audit of medium & small Distribution Transformer Repair Workshops in Discoms of Uttar Pradesh.
- **TPIA Work of Delhi Transco Limited**- NPTI has been awarded the Third party inspection of equipments/material, civil works, electrical works and technical audit of substation and Tr. Lines of Delhi Transco Limited.
- **TPIA work of DVVNL Agra**- NPTI has been awarded the work of Third Party Inspection Agency(TPIA) for inspection for Materials /Equipments procured in favour of Dakshinanchal Vidyut Vitran Nigam Limited. (DVVNL), Agra.
- **DPR of Ayodhya city under MVVNL**- NPTI has been awarded LOI for the work of "Preparation of DPR with estimate including SCADA System for conversion of HT (33KV & 11KV)/LT over head line to undergrounding, erection of distribution transformer and electrical connection of consumer from over head to underground with GPS and other associated construction work for existing and proposed system of different area of Ayodhya city Nagar Nigam limits under Madhyanchal Vidyut Vitran Nigam Ltd."









## NPTI's Locations in India

### Assam

Dakhingaon, Kahilipara,  
Guwahati - 781019

### Haryana

NPTI Complex, Sector-33,  
Faridabad - 121 003

### Karnataka

PSTI, P.O. Box: 8201 Subramanyapura Road,  
Banashankari II Stage, Bengaluru - 560070

### Karnataka

HLTC, 26th Km, Kanakapura Road,  
Somanahalli Gate, Udayapura Post,  
Bengaluru - 560082

### Kerala

Pallippuram, Cherthala Taluka,  
District: Alappuzha - 688001

### Madhya Pradesh

Shyampur, Satonwada,  
District: Shivpuri - 473551

### Maharashtra

South Ambazari Road, Gopal Nagar,  
Nagpur - 440 022

### New Delhi

Badarpur, New Delhi - 110044

### Punjab

Opp. Nangal Dam Rly. Station, Nangal,  
District: Ropar - 140124

### Tamil Nadu

Block 14, NLC Township, Neyveli - 607803

### West Bengal

City Centre, Durgapur - 7132616





**राष्ट्रीय विद्युत प्रशिक्षण प्रतिष्ठान**  
**National Power Training Institute**  
 An ISO 9001 : 2000 & ISO 14001 Organisation  
 (Ministry of Power, Govt. of India)



**National Power Training Institute (Northern Region), Badarpur, New Delhi - 110044**  
 Tele.: 26940722, 26944198, 26976516 Fax : 011-26940722, E-mail : nptinr@vsnl.com

**Training Calendar November 2021 to September, 2022**

S No	Name of the Programme	Duration	Dates
1	Smart Grid	02 Days	20.12.2021 to 21.12.2021
2	Valve & pump maintenance	1 week	03.01.2022 to 07.01.2022
3	Balance of Thermal Power Plant	1 Week	17.01.2022 to 21.01.2022
4	One day National Workshop on Energy Storage & E- Mobility	1 Day	24.01.2022
5	Boiler and Boiler Auxiliaries Operation	1 week	07.02.2022 to 11.02.2022
6	Flexible AC Transmission System (FACTS)	1 week	21.02.2022 to 25.02.2022
7	Smart Grid and E Mobility	1 Week	28.02.2021
8	Pumps and Feed Water Heaters- Operation, Maintenance and performance Monitoring	1 week	07.03.2022 to 11.03.2022
9	Environmental Management in Power Sector.	1 Week	21.03.2022 to 25.03.2022
10	Electrical Protection System	1 week	28.03.2021 to 01.04.2021
11	Training on RTI and Preventive Vigilance	02 Days	04.04.2022 to 05.04.2022
12	Public Grievances and Redress Mechanism	01 Day	11.04.2021
13	Transmission Line Maintenance and Introduction to Live line Maintenance Techniques	03 Days	13.04.2021 to 15.04.2021
14	Contract Management for Power Sector.	1 week	18.04.2022 to 20.04.2022
15	Labor Codes and Legislations.	03 Days	25.04.2021 to 27.04.2021
16	IT in Power Sector.	03 Days	02.05.2022 to 04.05.2022
17	Safety in power and related sectors.	1 week	09.05.2022 to 13.05.2022
18	Power System Protection & Fault Analysis.	1 week	16.05.2022 to 20.05.2022
19	DCS, SCADA, Instrumentation and Communication Network.	03 Days	31.05.2022 to 02.06.2022
20	Transformer Maintenance	1 week	13.06.2022 to 17.06.2022
21	Pump Storage Plants & other Energy storage.	03 Days	27.06.2022 to 29.06.2022
22	Testing of Transformers	03 Days	04.07.2022 to 06.07.2022
23	Cyber Security in Power Sector.	1 week	11.07.2022 to 15.07.2022
24	Transformer Oil Testing, DGA & Furan Analysis	1 week	25.07.2022 to 29.07.2022
25	Renewable Energy and its large scale integration in grid	1 week	01.08.2022 to 05.08.2022
26	Switchyard Equipment Maintenance	1 week	08.08.2022 to 12.08.2022
27	GIS Sub-Station	03 Days	17.08.2022 to 19.08.2022
28	Grid Operation, Regulations (Tariff, Trading etc) & Management	1 week	29.08.2022 to 02.09.2022
29	Switchgear Maintenance	03 Days	12.09.2022 to 14.09.2022

## Training Calendar



**NATIONAL POWER TRAINING INSTITUTE**  
An ISO 9001:2015 & ISO 14001:2015 Organization  
(MINISTRY OF POWER, GOVT. OF INDIA)  
WESTERN REGION  
NAGPUR (M.S)



# TRAINING CALENDAR

## November 2021- September 2022



# NATIONAL POWER TRAINING INSTITUTE

An ISO 9001:2015 & ISO 14001:2015 Organization  
(MINISTRY OF POWER, GOVT. OF INDIA)  
WESTERN REGION  
South Ambazari Road, Opp. VNIT Main Gate  
Gopal Nagar, Nagpur- 440 022 (M.S.)  
Telephone: (0712) 2231478, 2226176 FAX: 0712-2220413  
Website: [www.npti.gov.in](http://www.npti.gov.in)

**FIFTY YEARS OF SERVICE TO THE POWER SECTOR**



## Training Calendar

### About NPTI

National Power Training Institute( NPTI) an ISO 9001 & ISO 14001 organization under Ministry of Power, Govt. of India is a National Apex Body for Training & Human Resources Development in Power Sector with its Corporate Office at Faridabad. NPTI is operating on all India basis through its regionally located Institutes at Nagpur, New Delhi, Nangal, Bengaluru, Neyveli, Durgapur Guwahati, Shiivpuri (MP) and Alapuuza (Kerala).



NPTI (WR), Nagpur established in the year 1975, is fully equipped with the latest state of art infrastructure and conducts several Long term, Short term training programs and Seminars/ Workshops in the areas of Thermal Power Generation, Transmission & Distribution and Management. *It has been recognized as Category-I training Institute for Thermal, T&D Courses as per the provisions in Indian Electricity Rules and has been awarded Grade-A, by the Central Electricity Authority (CEA).*



### Long Term & Short Term & Online Training Programs

NPTI(WR), Nagpur conducts many long term, medium term, short term & online training programs on Power Plant Engineering and related areas where Engineers / Supervisors/ Technicians from different power utilities attend. NPTI Nagpur regularly conducts programs for various Central/State public sector and private sector organizations on Power Generation, Power Transmission and Power Distribution, Energy efficiency etc. Apart from the declared training program, NPTI(WR) also conducts tailor made programs as per the training need/requirement of the power sector organization.

In the past NPTI, Nagpur has conducted customized induction level training programs for number of batches of MPPGCL, CSPGCL, MSPGCL, UPRVUNL, RRVUNL, GSECL, GETRI, L & T Power, TATA Power, Reliance Power etc. for duration of 12 weeks to 26 weeks.

**FIFTY YEARS OF SERVICE TO THE POWER SECTOR**

## Training Calendar

Sl. No.	Course	Duration in Days	Date of Commencement	Training fee per participant. (GST extra @18%)	Course Co-ordinator & Mobile No./Email S/Shri
<b>A. SHORT TERM COURSES (November 2021 – March 2022)</b>					
<b>November 2021</b>				(Rs.)	
1	Energy Conservation & Energy Audit for Generation Sector	3 Days	16/11/2021	13,000/-	SI Mahant, Dy. Director. 09225222284 <a href="mailto:shekhar.npti@gov.in">shekhar.npti@gov.in</a>
2	Condition Monitoring , Vibration Analysis and Fault Diagnostic of Rotating Machines	2 Days	29/11/2021	9,000/-	SI Mahant, Dy. Director. 09225222284 <a href="mailto:shekhar.npti@gov.in">shekhar.npti@gov.in</a>
<b>Decemberr 2021</b>				(Rs.)	
3	Regulatory Framework & Legal / Commercial Issues in Power Sector	2 Days	02/12/2021	9,000/-	Preetam Singh, Asst. Director. 07709047008 <a href="mailto:preetam.npti@gov.in">preetam.npti@gov.in</a>
4	Project Management of EHV Lines & Towers Including Sub-Stations	1 Week	13/12/2021	18,000/-	Preetam Singh, Asst. Director. 07709047008 <a href="mailto:preetam.npti@gov.in">preetam.npti@gov.in</a>
5	Emerging Technologies in Reducing AT&C Losses	2 Days	20/12/2021	9,000/-	SP Dharmadhikari, Dy.Director. 09423073964 <a href="mailto:spdharna.npti@gov.in">spdharna.npti@gov.in</a>
6	Best Practices in Operation & Maintenance in Distribution System & Electrical Safety	1 Week	20/12/2021	18,000/-	P.P. Mawle, Dy.Director 8600260109 <a href="mailto:Ppmawle.npti@gov.in">Ppmawle.npti@gov.in</a>
<b>January 2022</b>				(Rs.)	
7	Finance for Non-Finance Executives	2 Days	06/01/2022	9,000/-	SI Mahant, Dy. Director. 09225222284 <a href="mailto:shekhar.npti@gov.in">shekhar.npti@gov.in</a>
8	Smart Metering Tchnologies & Applications	2 Days	17/01/2022	9,000/-	Preetam Singh, Asst. Director. 07709047008 <a href="mailto:preetam.npti@gov.in">preetam.npti@gov.in</a>
9	Operation & Maintenance of Sub-Station	1 Week	17/01/2022	18,000/-	SP Dharmadhikari, Dy.Director. 09423073964 <a href="mailto:spdharna.npti@gov.in">spdharna.npti@gov.in</a>



## Training Calendar (November 2021 – March 2022)

Sl. No.	Course	Duration in Days	Date of Commence-Ment	Training fee per participant. (GST extra @18%)	Course Co-ordinator & Mobile No./Email S/Shri
<b>A. SHORT TERM COURSES (November 2021 – March 2022)</b>					
<b>February 2022</b>				(Rs.)	
10	Data Acquisition & Distributed Digital Control System in Thermal Power Station	3 Days	16/02/2022	13,000/-	SP Dharmadhikari, Dy. Director. 09423073964 <a href="mailto:spdharma.npti@gov.in">spdharma.npti@gov.in</a>
11	Flue Gas Desulphurisation Technologies for TPS	2 Days	21/02/2022	9,000/-	SI Mahant, Dy. Director. 0922522284 <a href="mailto:shekhar.npti@gov.in">shekhar.npti@gov.in</a>
12	Best Practices in Operation and Maintenance of Transmission Systems (400 KV) , Earthing, Safety, Rules, Regulations, IS	1 Week	21/02/2022	18,000/-	P.P. Mawle, Dy. Director 8600260109 <a href="mailto:Ppmawle.npti@gov.in">Ppmawle.npti@gov.in</a>
<b>March 2022</b>				(Rs.)	
13	Environmental Management – Impact of Climate changes & its Assessment	2 Days	09/03/2022	9,000/-	P.P. Mawle, Dy. Director 8600260109 <a href="mailto:Ppmawle.npti@gov.in">Ppmawle.npti@gov.in</a>
14	Power Plant Instrumentation & Automation Systems.	4 Days	22/03/2022	16,000/-	Sanjay Singh, Dy. Director. 09823999664 <a href="mailto:sanjays.npti@gov.in">sanjays.npti@gov.in</a>

Note :- The above programs can be conducted offline/online/both. 30% discount on training fee shall be offered for online programs

## Training Calendar

Sl. No.	Course	Duration in Days	Date of Commence-ment	Training fee per participant. (GST extra @18%)	Course Co-ordinator & Mobile No./Email S/Shri
<b>A. SHORT TERM COURSES (April 2022 – September 2022)</b>					
<b>April 2022</b>				(Rs.)	
1.	Smart Transmission & Distribution System	1 Week	18/04/2022	18,000/-	Preetam Singh, Asst. Director. 07709047008 <a href="mailto:preetam.npti@gov.in">preetam.npti@gov.in</a>
<b>May 2022</b>				(Rs.)	
2.	Best Practices in Operation & Maintenance of Boiler and its Auxiliaries	4 Days	17/05/2022	16,000/-	SI Mahant, Dy. Director. 09225222284 <a href="mailto:shekhar.npti@gov.in">shekhar.npti@gov.in</a>
<b>June 2022</b>				(Rs.)	
3.	Control & Instrumentation for Operation Engineers	3 Days	15/06/2022	13,000/-	Sanjay Singh, Dy. Director. 09823999664 <a href="mailto:sanjays.npti@gov.in">sanjays.npti@gov.in</a>
4.	Thermal Power Plant Efficiency & Performance Monitoring	3 Days	22/06/2022	13,000/-	SI Mahant, Dy. Director. 09225222284 <a href="mailto:shekhar.npti@gov.in">shekhar.npti@gov.in</a>
<b>July 2022</b>				(Rs.)	
5.	Generator & Auxiliaries Including Excitation System	3 Days	06/07/2022	13,000/-	SP Dharmadhikari, Dy. Director. 09423073964 <a href="mailto:spdharma.npti@gov.in">spdharma.npti@gov.in</a>
<b>August 2022</b>				(Rs.)	
6.	Operation & Maintenance of HVAC Transmission System	1 Week	22/08/2022	18,000/-	Preetam Singh, Asst. Director. 07709047008 <a href="mailto:preetam.npti@gov.in">preetam.npti@gov.in</a>
<b>September 2022</b>				(Rs.)	
7.	Thermal Power Plant Operation	4 Days	06/09/2022	16,000/-	Preetam Singh, Asst. Director. 07709047008 <a href="mailto:preetam.npti@gov.in">preetam.npti@gov.in</a>
8.	Electrical Protection System	4 Days	13/09/2022	16,000/-	SP Dharmadhikari, Dy. Director. 09423073964 <a href="mailto:spdharma.npti@gov.in">spdharma.npti@gov.in</a>
9.	Power System & Load Dispatch	3 Days	21/09/2022	13,000/-	SP Dharmadhikari, Dy. Director. 09423073964 <a href="mailto:spdharma.npti@gov.in">spdharma.npti@gov.in</a>

Note :- The above programs can be conducted offline/online/both. 30% discount on training fee shall be offered for online programs

**FIFTY YEARS OF SERVICE TO THE POWER SECTOR**



## Training Calendar

### B. MEDIUM TERM COURSES

Sl. No.	Course	Duration in Days	Date of Commencement	Training fee per participant. (GST extra @18%)	Course Co-ordinator & Mobile No./Email S/Shri
1	Bio Waste Conversion Technology	6 Weeks	15/11/2021	78,000/-	Sanjay Singh, Dy. Director. 09823999664 <a href="mailto:sanjays.npti@gov.in">sanjays.npti@gov.in</a>
2	Distribution Engineering	6 Weeks	06/12/2021	78,000/-	P.P. Mawle, Dy. Director 8600260109 <a href="mailto:Ppmawle.npti@gov.in">Ppmawle.npti@gov.in</a>
3	Training Program for Supervisor / Managerial Person deployed in Power Industry	6 Weeks	31/01/2022	78,000/-	Preetam Singh, Asst. Director. 07709047008 <a href="mailto:preetam.npti@gov.in">preetam.npti@gov.in</a>
4	Control & Instrumentation for Engineers	6 Weeks	14/02/2022	78,000/-	SP Dharmadhikari, Dy. Director. 09423073964 <a href="mailto:spdharma.npti@gov.in">spdharma.npti@gov.in</a>
5	New and Renewable Energy with Grid Integration.	6 Weeks	14/03/2022	78,000/-	Sanjay Singh, Dy. Director. 09823999664 <a href="mailto:sanjays.npti@gov.in">sanjays.npti@gov.in</a>

Note :- The above programs can be conducted offline/online/both. 30% discount on training fee shall be offered for online programs

## Training Calendar

### C. LONG TERM COURSES

Sl. No.	Course	Duration in Days	Date of Commencement	Training fee per participant. (Inclusive of GST)	Course Co-ordinator & Mobile No. S/Shri
1.	Post Graduate Diploma Course in Power Plant Engineering (Winter)	52 Weeks	21/02/2022	Rs. 2,30,000/- (Inclusive of GST) for Non-Sponsored Candidates &	SP Dharmadhikari, Dy. Director. 09423073964
2	Graduate Engineers Course (Power Plant Engineering) (Winter)	52 Weeks	28/02/2022	Rs. 3,60,000/- (Inclusive of GST) for Sponsored Candidates	SP Dharmadhikari, Dy. Director. 09423073964
3	Post Diploma Course in Renewable Energy including Solar Technology	26 Weeks	28/02/2022 & 29/08/2022	Rs. 80,000/- (Inclusive of GST) for Non-Sponsored Candidates & Rs. 1,35,000/- (Inclusive of GST) for Sponsored Candidates	Sanjay Singh, Dy. Director. 09823999664
4	Post Graduate Diploma Course in Power Plant Engineering (Regular)	52 Weeks	29/08/2022	Rs. 2,30,000/- (Inclusive of GST) for Non-Sponsored Candidates &	SI Mahant, Dy. Director. 09225222284
5	Graduate Engineers Course (Power Plant Engineering) (Regular)	52 Weeks	29/08/2022	Rs. 3,60,000/- (Inclusive of GST) for Sponsored Candidates	SI Mahant, Dy. Director. 09225222284
6	Post Graduate Diploma Course In Transmission and Distribution System	26 Weeks	29/08/2022	Rs. 1,45,000/- (Inclusive of GST) for Non-Sponsored Candidates & Rs. 1,90,000/- (Inclusive of GST) for Sponsored Candidates	P.P. Mawle, Dy. Director. 8600260109
7	Post Diploma Course in Power Plant Engineering	52 Weeks	29/08/2022	Rs. 1,45,000/- (Inclusive of GST) for Non-Sponsored Candidates & Rs. 2,20,000/- (Inclusive of GST) for Sponsored Candidates	Preetam Singh, Asst. Director. 07709047008



## Training Calendar

### D. FOSSIL FUEL POWER PLANT SIMULATOR TRAINING PROGRAMS-

1	210 MW/500 MW/800 MW Simulator Training	Duration 2 Weeks  Training Fee Rs. 25000/-  Per participant per week+ GST 18%  (20% Discount will be offered, if Participants are more than 20 from an Organization in a Financial Year)	22/11/2021	Preetam Singh, Asst. Director.
2	210 MW/500 MW/800 MW Simulator Training		20/12/2021	Preetam Singh, Asst. Director.
3	210 MW/500 MW/800 MW Simulator Training		03/01/2022	Preetam Singh, Asst. Director.
4	210 MW/500 MW/800 MW Simulator Training		07/02/2022	Preetam Singh, Asst. Director.
5	210 MW/500 MW/800 MW Simulator Training		06/06/2022	Preetam Singh, Asst. Director.
6	210 MW/500 MW/800 MW Simulator Training		18/07/2022	Preetam Singh, Asst. Director.
7	210 MW/500 MW/800 MW Simulator Training		22/08/2022	Preetam Singh, Asst. Director.
8	210 MW/500 MW/800 MW Simulator Training		12/09/2022	Preetam Singh, Asst. Director.
9	210 MW/500 MW/800 MW Simulator Training		26/09/2022	Preetam Singh, Asst. Director.
10	210 MW/500 MW/800 MW Simulator Training	1 Week or 2 Weeks	As per Client's requirement	SI Mahant, Dy. Director. & Preetam Singh, Asst. Director.

### E. List of Workshops / seminars / conferences planned for the year 2020-21 at NPTI (WR), Nagpur.

Sr. No.	Title of workshop/seminar/ conference	Duration	Date of Commencement	Program Director ( S/ Shri)
1.	New technologies in Indian Power Transmission sector – Opportunities and Challenges	Two days	From 06/12/2021 to 07/12/2021	preetam Singh, Asst. Director 07709047008 <a href="mailto:preetam.npti@gov.in">preetam.npti@gov.in</a>
2.	Renewable Energy Technologies – Indian Perspective and Challenges	One day	22/12/2021 & 24/09/2022	Sanjay Singh, Dy. Director 09823999664 <a href="mailto:sanjays.npti@gov.in">sanjays.npti@gov.in</a>

F.	Sponsored Programs	<b>Tailor made Training Programs/On-site Training Programs</b> as per specific requirements or <b>Induction Level Training Programs</b> can be conducted for various companies depending upon their requests.  In the past NPTI, Nagpur has conducted customized induction level training programs for number of batches of L & T Power, TATA Power, Reliance Industries Ltd. and MPPGCL etc. for duration of 12 weeks to 26 weeks.	All faculty members
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## Training Calendar



### International Training Fee

#### i) SAARC Countries :

The Training/Course fee of regular courses on Power Plant Engineering for SAARC countries shall be US \$400 per week per participant subject to maximum of US \$10,000 upto 52 weeks duration. Simulator training fee shall be US \$800 per week per participant.

#### ii) Other than SAARC Countries :

The training / Course fee of regular courses on Power Plant Engineering shall be US \$800 per week per participant subject to maximum of US \$20000 upto 52 weeks duration. Simulator training fee shall be US \$1500 per week per participant.

Training fee and other charges, if any, is to be sent  
By Demand Draft in favor of "N.P.T.I., Nagpur", payable at Nagpur.  
OR

Through RTGS as per Account details mentioned below.

### Bank Account Details

Name of Bank : State Bank of India	Branch : VNIT, Nagpur
Account No : 10259420040	IFS Code : SBIN0006702
MICR No. : 440002005	GST No. : 27AACAN2698A1ZN

***It may please be noted that payments to NPTI are exempted from TDS on account of Income-tax under section 10 (23c) (iii b) of Income Tax Act 1961. Accordingly no deduction should be made from payments to NPTI on account of TDS.***

❖ Training fees for Short Term Training Program is inclusive of working lunch. The training programs are non residential & Accommodation is not compulsory at NPTI Premises. Payment for Training & Accommodation is separate.

❖ Boarding /Food facility is available at NPTI Hostel on chargeable basis. Applicable GST if any will have to be paid on Accommodation & Boarding. Hostel accommodation, if available, can be provided, on request, at nominal extra charges, as per details given below:

Sr. No.	Type of Hostel	Rates + GST extra	Food charges + GST extra
1	Executive Hostel –A (AC)	Rs.500/- per day/per bed(Max.Rs. 10000/-Per Month/per bed)	For short term/long term & sponsored programs : Rs. 328/- per day per participant inclusive of Breakfast, Lunch, Dinner, Evening Tea etc.
2	Executive Hostel –B (Air Cooled)	Rs.400/- per day/per bed(Max.Rs.8000/-Per Month/per bed)	
3	Executive Hostel –C (Category-I) (Non-AC)	Rs.300/- per day/per bed(Max.Rs.6000/-Per Month/per bed)	
	(Category-II) (Non-AC)	Rs.200/- per day/per bed(Max.Rs.4000/-Per Month/per bed)	
4	Executive Hostel –D (Non-AC)	Rs.150/- per day/per bed(Max.Rs.3000/- Per Month/per bed)	

Address for Communication:

Principal Director,  
National Power Training Institute (Western Region),  
South Ambazari Road, Gopal Nagar,  
NAGPUR - 440 022. (Maharashtra)  
Email ID: shekhar.npti@gov.in & shekharmahant@gmail.com  
Phone Nos. 0712-2231478/2220476  
Fax: 0712-2220413/2220476.  
Website: [www.npti.gov.in](http://www.npti.gov.in)



**FIFTY YEARS OF SERVICE TO THE POWER SECTOR**





# NATIONAL POWER TRAINING INSTITUTE

(A National Apex Body for Training in Power Sector)

Established vide The Gazette of India, July 3, 1993

An ISO 9001:2015 & ISO 14001:2015 Certified Organisation

(Ministry of Power, Govt. of India)

Southern Region, BLOCK-14 : NEYVELI-607 803

(A Category-I Training Institute recognized by Central Electricity Authority under Ministry of Power, Govt. of India)



**Training Program Calendar November 2021-September 2022**

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

# TRAINING CALENDAR

## ABOUT NPTI

National Power Training Institute (NPTI), an ISO 9001:2015 & ISO 14001:2015 Certified Autonomous Organization, under Ministry of Power, Govt. of India, is a National Apex body for Training and Human Resource Development in Power Sector with its Corporate Office at Faridabad.

NPTI (SR), Neyveli, Tamilnadu has been established in 1965. This Institute training is recognized by Central Electricity Authority (CEA), Ministry of Power, and Government of India as a Category-I for imparting training relating to Operation & Maintenance of the electric power plants/systems in the field of Thermal, Hydro, T&D, Renewable Energy and Latest trends in Power Sector.



NPTI(SR), Neyveli has trained over 3,20,000 Power Professionals in regular Programs over the last 5 decades. NPTI is the world's leading integrated power training institute. NPTI is the only institute of its kind in the world with a wide geographical spread and covering 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 Generation Simulators has improved Plant Load Factor of Generating Units, has increased the availability of Transmission & Distribution Systems 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

## LONG TERM, MEDIUM, SHORT TERM & ONLINE TRAINING PROGRAMS

NPTI(SR), Neyveli conducts many long term, medium term, short term & online training programs on Power Plant Engineering and related areas where Engineers/Supervisors/Technicians from different power utilities attend. NPTI(SR), Neyveli regularly conducts programs for various Central/State public sector and private sector organizations on Power Generation, Power Transmission and Power Distribution, Energy efficiency etc. Apart from the declared training program, NPTI(SR) also conducts tailor made programs as per the training need/requirement of the power sector organization

## PLACEMENT:

To provide career opportunities in the Indian Power Sector, NPTI(SR), Neyveli maintains close linkages with Power Utilities and reputed companies for assisting employment of these trained Engineers of Long Term Batches. Trainees of previous batches were placed in reputed Power companies like TATA Power, Reliance Energy, Bajaj Energy, LANCO, L&T, Vedanta, Jindal Power, Adani Power, Qwest Global Pvt. Ltd., PPN, GMR Energy, Vizag Steel, etc. However, NPTI does not guarantee placement.





LONG TERM COURSES PRESENTLY CONDUCTED						
Sl. No.	Course	Duration in Days	Date of Commencement	Training fee per Participant. (Inclusive of GST)	Course Program Director S/Shri	
1.	Post Graduate Diploma Course in Power Plant Engineering February Batch	52 Weeks	01.03.2021	Rs. 2,30,000/- (Inclusive of GST) for Non- Sponsored Candidates &Rs. 3,60,000/- (Inclusive of GST) for Sponsored Candidates	S. Senthil Kumar, Deputy Director	
2	Post Graduate Diploma Course in Power Plant Engineering September Batch	52 Weeks	18.10.2021		R. Ramar, Deputy Director	
3	Post Graduate Diploma Course in Renewable Energy & Grid Interface September Batch	52 Weeks	18.10.2021		Dr. K. Vetrivel Deputy Director	
4	Post Diploma Course in Power Plant Engineering	52 Weeks	20.12.2020	Rs. 1,45,000/- (Inclusive of GST) for Non- Sponsored Candidates & Rs. 2,20,000/- (Inclusive of GST) for Sponsored Candidates	Dr. J. Raja, Assistant Director	
LONG TERM COURSES TO BE CONDUCTED						
5	Post Graduate Diploma Course in Power Plant Engineering February Batch	52 Weeks	02.03.2022	Rs. 2,30,000/- (Inclusive of GST) for Non- Sponsored Candidates &Rs. 3,60,000/- (Inclusive of GST) for Sponsored Candidates	-	
6	Post Graduate Diploma Course in Power Plant Engineering September Batch	52 Weeks	29.08.2022		-	
7	Post Graduate Diploma Course in Renewable Energy & Grid Interface September Batch	52 Weeks	29.08.2022		-	
8	Post Diploma Course in Power Plant Engineering	52 Weeks	20.12.2021	Rs. 1,45,000/- (Inclusive of GST) for Non- Sponsored Candidates & Rs. 2,20,000/- (Inclusive of GST) for Sponsored Candidates	K. Muthukumar, Deputy Director	
MEDIUM TERM COURSES						
Sl. No	Name of the Course		Duration in Days	Period	Training Fee Per participant (in Rs.)	Name of the Program Director S/Shri/Smt
1.	Training Program for Supervisor / Managerial Person deployed in Power Industry		06 Weeks	As per mutual convenient Date	92,040/- [78,000+14040 (GST18%)]	-
2.	New and Renewable Energy with Grid Integration.		06 Weeks	As per mutual convenient Date	92,040/- [78,000+14040 (GST18%)]	-
SHORT TERM COURSES						
Sl. No	Name of the Course	Duration in Days	Period		Training Fee Per participant (in Rs.)	Name of the Program Director S/Shri/Smt
			From	To		
	NOVEMBER 2021					
	SHORT TERM COURSES-ENGINEERS (GENERAL)					
1.	Clean Energy Technology	05 Days	15.11.2021	19.11.2021	21,240/- [18,000+3,240 (GST18%)]	S. Amirthavalli Deputy Director
	SHORT TERM COURSES-ENGINEERS (MECHANICAL)					
2.	Steam Turbine & Auxiliaries Operation	05 Days	08.11.2021	12.11.2021	21,240/- [18,000+3,240 (GST18%)]	K. Muthukumar Deputy Director
3.	O&M of Coal Mills & Feeders	03 Days	24.11.2021	26.11.2021	15,340/- [13,000+2,340 (GST 18%)]	R. Ramar Deputy Director
	SHORT TERM COURSES-ENGINEERS (ELECTRICAL)					
4.	Generator & Auxiliaries including Excitation System	03 Days	01.11.2021	03.11.2021	15,340/- [13,000+2,340 (GST 18%)]	S. Senthil Kumar Deputy Director
	SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-(ELECTRICAL)					
5.	Electrical Motors for Power Plant & its Maintenance	03 Days	29.11.2021	01.12.2021	15,340/- [13,000+2,340 (GST 18%)]	Dr. J. Raja Assistant Director

\*\*\* Programs added as per Technical advisory Committee Board members suggestions  
30% discount on regular training program fees shall be provided to the On-line Courses.

SHORT TERM COURSES						
Sl. No	Name of the Course	Duration in Days	Period		Training Fee Per participant (in Rs.)	Name of the Program Director S/Shri/Smt
			From	To		
	<b>DECEMBER 2021</b>					
	<b>SHORT TERM COURSES-ENGINEERS (GENERAL)</b>					
6.	Battery Energy Storage	03 Days	06.12.2021	08.12.2021	15,340/- [13,000+2,340 (GST 18%)]	Dr. J. Raja Assistant Director
7.	Data Sciences & Big Data Analytics with Industrial orientation(Energy & Utility)	03 Days	06.12.2021	08.12.2021	15,340/- [13,000+2,340 (GST 18%)]	S. Senthil Kumar Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (MECHANICAL)</b>					
8.	Solar PV Technology	03 Days	13.12.2021	15.12.2021	15,340/- [13,000+2,340 (GST 18%)]	K. Muthukumar Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (ELECTRICAL)</b>					
9.	Electrostatic Precipitator	03 Days	01.12.2021	03.12.2021	15,340/- [13,000+2,340(GST 18%)]	R. Ramar Deputy Director
10.	Internet of Things for Smart Grid applications	02 Days	16.12.2021	17.12.2021	10,620/- [9,000+1,620 (GST 18%)]	S. Amirthavalli Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (CONTROL &amp; INSTRUMENTATION)</b>					
11.	Burner Management System/FSSS	03 Days	20.12.2021	22.12.2021	15,340/- [13,000+2,340 (GST 18%)]	S. Amirthavalli Deputy Director
	<b>SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-(MECHANICAL)</b>					
12.	Boiler Operation	05 Days	27.12.2021	31.12.2021	21,240/- [18,000+3,240(GST18%)]	R. Ramar Deputy Director
13.	<i>Control &amp; Instrumentation in Power Station (Supervisor &amp; Technicians)***</i>	03 Days	27.12.2021	29.12.2021	15,340/- [13,000+2,340 (GST 18%)]	S. Amirthavalli Deputy Director
	<b>SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-(ELECTRICAL)</b>					
14.	Transformer Maintenance & Testing	03 Days	08.12.2021	10.12.2021	15,340/- [13,000+2,340(GST18%)]	Dr. J. Raja Assistant Director
	<b>JANUARY 2022</b>					
	<b>SHORT TERM COURSES-ENGINEERS (GENERAL)</b>					
15.	<i>Latest development in Transformer Di-Electric and Testing***</i>	02 Days	03.01.2022	04.01.2022	10,620/- [9,000+1,620(GST 18%)]	S. Senthil Kumar Deputy Director
16.	Energy Conservation and Energy Audit	03 Days	10.01.2022	12.01.2022	15,340/- [13,000+2,340(GST 18%)]	K. Muthukumar Deputy Director
17.	<i>Cloud computing/Data Centre Technologies &amp; Cyber Security Challenges *** (On-line)</i>	03 Days	17.01.2022	19.01.2022	10,738/- [9,100+1,638 (GST 18%)]	S. Amirthavalli Deputy Director
18.	Air Pollution Monitoring & Control Technologies	02 Days	24.01.2022	25.01.2022	10,620/- [9,000+1,620 (GST 18%)]	Dr. J. Raja Assistant Director
	<b>SHORT TERM COURSES-ENGINEERS (MECHANICAL)</b>					
19.	Issues Related to Supercritical Boiler Technology	02 Days	20.01.2022	21.01.2022	10,620/- [9,000+1,620 (GST 18%)]	S. Senthil Kumar Deputy Director
20.	<i>EHV Substation/ Switchyard Maintenance &amp; Testing ***</i>	02 Days	20.01.2022	21.01.2022	10,620/- [9,000+1,620 (GST 18%)]	Dr. K. Vetrivel Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (ELECTRICAL)</b>					
21.	Solar Plant Design & Installation	02 Days	03.01.2022	04.01.2022	10,620/- [9,000+1,620 (GST 18%)]	Dr. J. Raja Assistant Director
22.	Electrical Protection System	03 Days	17.01.2022	19.01.2022	15,340/- [13,000+2,340 (GST 18%)]	R. Ramar Deputy Director

\*\*\* Programs added as per Technical advisory Committee Board members suggestions  
30% discount on regular training program fees shall be provided to the On-line Courses.

SHORT TERM COURSES						
Sl. No	Name of the Course	Duration in Days	Period		Training Fee Per participant (in Rs.)	Name of the Program Director S/Shri/Smt
			From	To		
	<b>FEBRUARY 2022</b>					
	<b>SHORT TERM COURSES-ENGINEERS (GENERAL)</b>					
23.	<i>Recent Trends in Transformer Testing***</i>	03 Days	02.02.2022	04.02.2022	15,340/- [13,000+2,340 (GST 18%)]	S. Senthil Kumar Deputy Director
24.	Gas Turbine & Combined Cycle Power Plant Appreciation	03 Days	02.02.2022	04.02.2022	15,340/- [13,000+2,340 (GST 18%)]	K. Muthukumar Deputy Director
25.	Block Chain Technology	02 Days	10.02.2022	11.02.2022	10,620/- [9,000+1,620 (GST 18%)]	S. Amirthavalli Deputy Director
26.	Steam Turbines & Auxiliaries Operation	05 Days	14.02.2022	18.02.2022	21,240/- [18,000+3,240 (GST18%)]	S. Amirthavalli Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (MECHANICAL)</b>					
27.	Boiler Tubes Failure Analysis & Case Studies	02 Days	28.02.2022	01.03.2022	10,620/- [9,000+1,620 (GST 18%)]	R. Ramar Deputy Director
28.	Transformers	03 Days	07.02.2022	09.02.2022	15,340/- [13,000+2,340(GST 18%)]	Dr. J. Raja Assistant Director
29.	<i>Wind, Small, hydro and Biomass Technology***</i>	03 Days	21.02.2022	23.02.2022	15,340/- [13,000+2,340(GST 18%)]	Dr. K. Vetrivel Deputy Director
30.	<i>Auxiliary Power Consumption (APC) &amp; Energy Audit/ Conservation of Thermal Power Station ***</i>	03 Days	21.02.2022	23.02.2022	15,340/- [13,000+2,340 (GST 18%)]	S. Amirthavalli Deputy Director
31.	Internet of Things for Smart Grid applications	02 Days	24.02.2022	25.02.2022	10,620/- [9,000+1,620 (GST 18%)]	K. Muthukumar Deputy Director
32.	<i>Regulatory frame work &amp; Commercial aspects of Indian Power Sector ***</i>	02 Days	24.02.2022	25.02.2022	10,620/- [9,000+1,620 (GST 18%)]	Dr. K. Vetrivel Deputy Director
33.	<i>FGD, Emission Control &amp; Carbon Footprints in fossil fuel based Thermal Power Plant ***</i>	02 Days	24.02.2022	25.02.2022	10,620/- [9,000+1,620 (GST 18%)]	K. Muthukumar Deputy Director
	<b>SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-(MECHANICAL)</b>					
34.	Pump Maintenance	03 Days	09.02.2022	11.02.2022	15,340/- [13,000+2,340 (GST 18%)]	R. Ramar Deputy Director
	<b>MARCH 2022</b>					
	<b>SHORT TERM COURSES-ENGINEERS (GENERAL)</b>					
35.	Energy Conservation & Energy Audit in Power Utilities	05 Days	14.03.2022	18.03.2022	21,240/- [18,000+3,240 (GST18%)]	K. Muthukumar Deputy Director
36.	Thermal Power Station Operation	05 Days	28.03.2022	01.04.2022	21,240/- [18,000+3,240(GST18%)]	S. Amirthavalli Deputy Director
37.	<i>Power Market &amp; Power Trading ***</i>	02 Days	09.03.2022	11.03.2022	10,620/- [9,000+1,620(GST 18%)]	Dr. K. Vetrivel Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (MECHANICAL)</b>					
38.	Advanced Welding and Non- Destructive Testing (NDT) Technologies	03 Days	07.03.2022	09.03.2022	15,340/- [13,000+2,340(GST 18%)]	S. Senthil Kumar Deputy Director
39.	Best Practices in Operation & Maintenance of Boiler and its Auxiliaries	03 Days	02.03.2022	05.03.2022	15,340/- [13,000+2,340 (GST 18%)]	S. Amirthavalli Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (ELECTRICAL)</b>					
40.	Solar PV Plant Design & Installation	02 Days	03.03.2022	04.03.2022	10,620/- [9,000+1,620(GST 18%)]	Dr. J. Raja Assistant Director
41.	Electrical Vehicles & Charging Infrastructure	02 Days	07.03.2022	08.03.2022	10,620/- [9,000+1,620(GST 18%)]	Dr. J. Raja Assistant Director

\*\*\* Programs added as per Technical advisory Committee Board members suggestions  
30% discount on regular training program fees shall be provided to the On-line Courses.



SHORT TERM COURSES						
Sl. No	Name of the Course	Duration in Days	Period		Training Fee Per participant (in Rs.)	Name of the Program Director S/Shri/Smt
			From	To		
	SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-(MECHANICAL)					
42.	Bearing Maintenance & Shaft Alignment	03 Days	09.03.2022	11 .03.2022	15,340/- [13,000+2,340(GST 18%)]	R. Ramar Deputy Director
43.	<i>Air Pollution, Water Pollution, Noise Pollution &amp; its Control measures related to Thermal Power Plant***</i>	02 Days	17.03.2022	18.03.2022	10,620/- [9,000+1,620(GST 18%)]	S. Senthil Kumar Deputy Director
	APRIL 2022					
	SHORT TERM COURSES-ENGINEERS (GENERAL)					
44.	Air Pollution monitoring & Control Technologies	02 Days	04.04.2022	05.04.2022	10,620/- [9,000+1,620(GST 18%)]	S. Senthil Kumar Deputy Director
45.	Battery Energy Storage (On-line)	03 Days	06.04.2022	08.04.2022	10,738/- [9,100+1,638(GST 18%)]	Dr. J. Raja Assistant Director
	SHORT TERM COURSES-ENGINEERS (MECHANICAL)					
46.	Pumps-Operation, Maintenance & Performance Monitoring	03 Days	18.04.2022	20.04.2022	15,340/- [13,000+2,340 (GST 18%)]	R. Ramar Deputy Director
	SHORT TERM COURSES-ENGINEERS (ELECTRICAL)					
47.	E-Mobility & Charging Infrastructure (On-line)	03 Days	11.04.2022	13.04.2022	10,738/- [9,100+1,638(GST 18%)]	K. Muthukumar Deputy Director
48.	Internet of Things for Smart Grid applications(On-line)	02 Days	12.04.2022	13.04.2022	7,434/- [6300+1,134 (GST 18%)]	S. Amirthavalli Deputy Director
49.	Solar PV Plant Design & Installation(On-line)	02 Days	21.04.2022	22.04.2022	7,434/- [6300+1,134 (GST 18%)]	Dr. J. Raja Assistant Director
	SHORT TERM COURSES-ENGINEERS (CONTROL & INSTRUMENTATION)					
50.	Vibration Analysis(On-line)	03 Days	27.04.2022	29.04.2022	10,738/- [9,100+1,638 (GST 18%)]	S. Amirthavalli Deputy Director
51.	SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-(ELECTRICAL)					
52.	Switchgear Maintenance	02 Days	25.04.2022	26.04.2022	10,620/- [9,000+1,620(GST 18%)]	Dr. K. Vetrivel Deputy Director
	MAY 2022					
	SHORT TERM COURSES-ENGINEERS (GENERAL)					
53.	Thermal Power Station Operation	03 Days	09.05.2022	11.05.2022	15,340/- [13,000+2,340 (GST 18%)]	K. Muthukumar Deputy Director
	SHORT TERM COURSES-ENGINEERS (MECHANICAL)					
54.	Best Practices in O&M of Air Compressor	02 Days	05.05.2022	06.05.2022	10,620/- [9,000+1,620(GST 18%)]	S. Senthil Kumar Deputy Director
55.	Boiler Tubes Failure Analysis & Case Studies	02 Days	23.05.2022	24.05.2022	10,620/- [9,000+1,620(GST 18%)]	R. Ramar Deputy Director
56.	Steam Turbine & Auxiliaries Operation	05 Days	30.05.2022	03.06. 2022	21,240/- [18,000+3,240(GST18%)]	S. Senthil Kumar, Deputy Director
	SHORT TERM COURSES-ENGINEERS (ELECTRICAL)					
57.	Clean Energy Technologies	05 Days	16.05.2022	20.05.2022	21,240/- [18,000+3,240(GST18%)]	Dr. K. Vetrivel Deputy Director
58.	Renewable Energy Interface – Issues & Challenges	02 Days	16.05.2022	17.05.2022	10,620/- [9,000+1,620(GST 18%)]	Dr.J. Raja Assistant Director
	SHORT TERM COURSES-ENGINEERS (CONTROL & INSTRUMENTATION)					
59.	PLC & SCADA applications in Thermal Power Plant	02 Days	26.05.2022	27.05.2022	10,620/- [9,000+1,620(GST 18%)]	S. Amirthavalli Deputy Director

\*\*\* Programs added as per Technical advisory Committee Board members suggestions

30% discount on regular training program fees shall be provided to the On-line Courses.

`SHORT TERM COURSES						
Sl. No	Name of the Course	Duration in Days	Period		Training Fee Per participant (in Rs.)	Name of the Program Director S/Shri/Smt
			From	To		
	SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-( CONTROL & INSTRUMENTATION)					
60.	Valve Actuators	03 Days	02.05.2022	04.05.2022	15,340/- [13,000+2,340(GST18%)]	K. Muthukumar Deputy Director
	JUNE 2022					
	SHORT TERM COURSES-ENGINEERS (GENERAL)					
61.	Block Chain Technology(On-line)	02 Days	09.06.2022	10.06.2022	7,434/- [6300+1,134 (GST 18%)]	S. Amirthavalli Deputy Director
62.	Air Pollution Monitoring & Control Technologies	02 Days	13.06.2022	14.06.2022	10,620/- [9,000+1,620 (GST 18%)]	K. Muthukumar Deputy Director
63.	Data Sciences & Big Data Analytics with Industrial orientation(Energy & Utility) (On-line)	03 Days	27.06.2022	29.06.2022	10,738/- [9,100+1,638 (GST 18%)]	R. Ramar Deputy Director
	SHORT TERM COURSES-ENGINEERS ( ELECTRICAL)					
64.	Floating Solar PV Technology	03 Days	06.06.2022	08.06.2022	15,340/- [13,000+2,340(GST 18%)]	Dr. J. Raja Assistant Director
65.	Power Cable Jointing Technologies	03 Days	20.06.2022	22.06.2022	15,340/- [13,000+2,340(GST 18%)]	S. Senthil Kumar Deputy Director
66.	Solar PV Technology	03 Days	22.06.2022	24.06.2022	15,340/- [13,000+2,340(GST 18%)]	S. Senthil Kumar Deputy Director
67.	Power Transformer Maintenance& Testing	03 Days	29.06.2022	01.07.2022	15,340/- [13,000+2,340 (GST 18%)]	Dr.K. Vertrivel Deputy Director
	SHORT TERM COURSES-ENGINEERS (CONTROL & INSTRUMENTATION)					
68.	C&I in Power Station	03 Days	08.06.2022	10.06.2022	15,340/- [13,000+2,340(GST 18%)]	S. Amirthavalli Deputy Director
	SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-(MECHANICAL)					
69.	Valve Maintenance	03 Days	15.06.2022	17.06.2022	15,340/- [13,000+2,340(GST 18%)]	R. Ramar Deputy Director
70.	Advanced Welding and Non- Destructive Testing (NDT) Technologies	03 Days	29.06.2022	01.07.2022	15,340/- [13,000+2,340(GST 18%)]	K. Muthukumar Deputy Director
	JULY 2022					
	SHORT TERM COURSES-ENGINEERS (GENERAL)					
71.	Internet of Things in Smart Grid Application(On-line)	02 Days	21.07.2022	22.07.2022	7,434/- [6300+1,134 (GST 18%)]	K. Muthukumar Deputy Director
72.	Hybrid Renewable Energy Systems	03 Days	27.07.2022	29.07.2022	15,340/- [13,000+2,340(GST 18%)]	Dr. J. Raja Assistant Director
	SHORT TERM COURSES-ENGINEERS (MECHANICAL)					
73.	Boiler Firing System & Equipment	03 Days	06.07.2022	08.07.2022	15,340/- [13,000+2,340(GST 18%)]	K. Muthukumar Deputy Director
74.	O&M of Coal Mills & Feeders	03 Days	11.07.2022	13.07.2022	15,340/- [13,000+2,340(GST 18%)]	R. Ramar Deputy Director
	SHORT TERM COURSES-ENGINEERS (ELECTRICAL)					
75.	Electrical Protection System	03 Days	13.07.2022	15.07.2022	15,340/- [13,000+2,340(GST 18%)]	Dr. K.Vetrivel Deputy Director
76.	E-Mobility – Concept & Implication (On-line)	02 Days	18.07.2022	19.07.2022	7,434/- [6300+1,134(GST 18%)]	S. Amirthavalli Deputy Director
77.	Electrostatic Precipitator	03 Days	25.07.2022	27.07.2022	15,340/- [13,000+2,340(GST 18%)]	R. Ramar Deputy Director

\*\*\* Programs added as per Technical advisory Committee Board members suggestions  
30% discount on regular training program fees shall be provided to the On-line Courses.

SHORT TERM COURSES						
Sl. No	Name of the Course	Duration in Days	Period		Training Fee Per participant (in Rs.)	Name of the Program Director S/Shri/Smt
			From	To		
	<b>AUGUST 2022</b>					
	<b>SHORT TERM COURSES-ENGINEERS (GENERAL)</b>					
53.	Efficiency & Performance Monitoring of TPS	03 Days	03.08.2022	05.08.2022	15,340/- [13,000+2,340(GST18%)]	S. Senthil Kumar Deputy Director
54.	<b>Power Market &amp; Power Trading ***</b>	02 Days	08.08.2022	09.08.2022	10,620/- [9,000+1,620 (GST 18%)]	Dr. K. Vetrivel Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (MECHANICAL)</b>					
55.	Fans and Air Heaters	03 Days	01.08.2022	03.08.2022	15,340/- [13,000+2,340(GST18%)]	K. Muthukumar Deputy Director
56.	Best Practices in O&M of Air Compressor	02 Days	22.08.2022	23.08.2022	10,620/- [9,000+1,620 (GST 18%)]	S. Amirthavalli Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (ELECTRICAL)</b>					
57.	Power System Studies and Load Despatch	03 Days	08.08.2022	10.08.2022	15,340/- [13,000+2,340(GST18%)]	K. Muthukumar Deputy Director
58.	Solar Photovoltaic System Design & Installation	05 Days	16.08.2022	20.08.2022	21,240/- [18,000+3,240(GST18%)]	Dr. J. Raja Assistant Director
	<b>SHORT TERM COURSES-ENGINEERS (CONTROL &amp; INSTRUMENTATION)</b>					
59.	Vibration Analysis	03 Days	10.08.2022	12.08.2022	15,340/- [13,000+2,340(GST18%)]	S. Amirthavalli Deputy Director
	<b>SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-(ELECTRICAL)</b>					
60.	Relay Maintenance	03 Days	24.08.2022	26.08.2022	15,340/- [13,000+2,340(GST18%)]	R. Ramar Deputy Director
	<b>SEPTEMBER 2022</b>					
	<b>SHORT TERM COURSES-ENGINEERS (GENERAL)</b>					
61.	<b>Regulatory frame work &amp; Commercial aspects of Indian Power Sector ***</b>	02 Days	22.09.2022	23.09.2022	10,620/- [9,000+1,620(GST18%)]	Dr. K. Vetrivel Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (MECHANICAL)</b>					
62.	Advanced Welding and Non- Destructive Testing (NDT) Technologies	03 Days	05.09.2022	07.09.2022	15,340/- [13,000+2,340(GST18%)]	S. Senthil Kumar Deputy Director
63.	Boiler and its Auxiliaries- Operation & Maintenance	05 Days	19.09.2022	23.09.2022	21,240/- [18,000+3,240(GST18%)]	K. Muthukumar Deputy Director
	<b>SHORT TERM COURSES-ENGINEERS (ELECTRICAL)</b>					
64.	Power System Energy Losses	03 Days	01.09.2022	03.09.2022	15,340/- [13,000+2,340(GST18%)]	S. Amirthavalli Deputy Director
	<b>SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-(MECHANICAL)</b>					
65.	Boiler Operation	05 Days	26.09.2022	30.09.2022	21,240/- [18,000+3,240(GST18%)]	R. Ramar Deputy Director
	<b>SHORT TERM COURSES-SUPERVISORS/ TECHNICIANS-(ELECTRICAL)</b>					
66.	Solar PV Panel Installation, Testing & Maintenance	05 Days	12.09.2022	16.09.2022	21,240/- [18,000+3,240(GST18%)]	Dr. J. Raja Assistant Director

\*\*\* Programs added as per Technical advisory Committee Board members suggestions  
30% discount on regular training program fees shall be provided to the On-line Courses.



WORKSHOP/ SEMINAR PROGRAMS					
Sl. No.	Name of the Course	Duration in Days	Date	Mode	Name of the Program Director S/Shri/Smt
1.	Boiler Technologies – Sub Critical, Super Critical, CFBC & WHRG	01 Day	17.12.2021	Off-line	S. Sesntil Kumar Deputy Director
2.	Recent Trends in Electrical System Operation- Smart Grid, Micro Grid & IoT	01 Day	24.12.2021	On-line	K. Muthukumar Deputy Director
3.	Combined Cycle & Gas Turbine Power Plant Appreciation	01 Day	28.01.2022	Off-line	S. Amirthavalli Deputy Director
4.	Vibration Analysis in Rotating Equipments	01 Day	25.02.2022	On-line	S. Amirthavalli Deputy Director
5.	Energy Efficiency Improvement in Power Plant	01 Day	25.03.2022	On-line	R. Ramar Deputy Director
6.	Solar PV & Grid Integration Issues & Challenges	01 Day	29.04.2022	On-line	Dr.J. Raja Assistant Director
7.	E-Mobility & its importance in Energy Storage	01 Day	27.05.2022	On-line	R. Ramar Deputy Director
8.	Internet of Things & Cyber Security for Smart Grid	01 Day	24.06.2022	On-line	Dr. K. Vetrivel Deputy Director
9.	Battery Energy Storage System	01 Day	29.07.2022	On-line	Dr.J. Raja Assistant Director
10.	Renewable Energy Integration - Challenges & Opportunities	01 Day	26.08.2022	On-line	K. Muthukumar Deputy Director
11.	Big Data Analytics & Data Sciences with Industrial orientation (Energy & Utility)	01 Day	30.09.2022	On-line	S. Sesntil Kumar Deputy Director

Workshop/Seminar Fee- Offline:

- ❖ Executives/Professionals from Power Utilities/Industries – Rs.2,500/-
- ❖ Academicians, Research scholars of Universities/Engineering & Polytechnic Colleges – Rs.1,250/-
- ❖ PG/UG Students of Universities/ Engineering & Polytechnic Colleges– Rs.600/-

Online Trainee Fees Per Day Per Participant:

- ❖ Students – Rs.250/-
- ❖ Faculty- Rs.350/-
- ❖ Utility - Rs.1000/-



## **FEE STRUCTURE FOR VARIOUS TRAINING PROGRAMS OF**

### **NPTI(SR), NEYVELI FOR THE YEAR 2021-2022**

Sl. No.	Courses	Duration in Weeks	Rupees Plus 18%GST
<b>I</b>	<b>Long Term Courses</b>		
1.	Post Graduate Engineers Course (Power Plant Engineering) February & August Batch*		
	i) Non-sponsored candidates	52 Weeks	1,94,915
	ii) Sponsored Candidates	52 Weeks	3,60,000
2.	Post-Diploma course in Power Plant Engineering**		
	i) Non-sponsored candidates	01 Year	1,22,881
	ii) Sponsored Candidates	01 Year	1,90,000
<b>II</b>	<b>Medium Term Courses(Period 5 to 16 Weeks)</b>		
3.	Specialised Courses	16 Weeks	1,44,000
4.	Specialised Courses	15 Weeks	1,38,000
5.	Specialised Courses	14 Weeks	1,32,000
6.	Specialised Courses	13 Weeks	1,26,000
7.	Specialised Courses	12 Weeks	1,20,000
8.	Specialised Courses	11 Weeks	1,14,000
9.	Specialised Courses	10 Weeks	1,08,000
10.	Specialised Courses	09 Weeks	1,01,000
11.	Specialised Courses	08 Weeks	94,000
12.	Specialised Courses	07 Weeks	87,000
13.	Specialised Courses	06 Weeks	78,000
14.	Specialised Courses	05 Weeks	69,000
<b>III</b>	<b>Short Term Courses**(Period 1 Day to 04 Weeks)</b>		
15.	Specialised Courses	04 Weeks	57,000
16.	Specialised Courses	03 Weeks	45,000
17.	Specialised Courses	02 Weeks	33,000
18.	Specialised Courses	01 Week	18,000
19.	Specialised Courses	04 Days	16,000
20.	Specialised Courses	03 Days	13,000
21.	Specialised Courses	02 Days	9,000
22.	Specialised Courses	01 Day	5,000
23.	Training Fees for On-site/On-plant training programs	01 Week	30,000
24.	Training Fees for On-site/On-plant training programs	4 Days	27,500
25.	Training Fees for On-site/On-plant training programs	3 Days	22,000
26.	Training Fees for On-site/On-plant training programs	2 Days	15,500
27.	Training Fees for On-site/On-plant training programs	1 Day	8,500
<b><u>Additional 18% of Fee is to be paid towards GST</u></b>			

\* Includes Thermal Simulator training fee of 2 weeks/ CCGT Simulator training fee of 2weeks/ Hydro Simulator training fee of 1 week/ Power System training simulator fees of 1 week as applicable.

\*\* In respect of short term courses, fee is inclusive of tea/snacks and working lunch. In respect of other courses, fee is exclusive of tea/snacks and Working lunch.

Note 1. For specialized courses/On-Site/On-plant training programs, minimum number of participants should be 10. If number of participants is less than 10, then fee for 10 participants will be charged.  
2. A uniform 30% discount on regular training program fees shall be provided to On-line Courses.



## 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 offers all the courses detailed out in this calendar and also tailor made/customized need base programs to suit the organization's objectives. Typical training capsules have been on Power Plant Management, Combined Cycle Gas Turbine Power Plants, Transmission & Distribution areas etc. 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.

Sl. No.	COURSE	COURSE FEE (ALL PROGRAMS)
1.	Regular Course on Power Plant Engineering	US \$1000 per week per participant subject to maximum of US \$ 2000 up to 52 weeks duration
2.	Simulator Training	US \$2000 per week per participant
3.	Boarding and Lodging in NPTI Hostel	US \$800 per week per participant (AC Rooms on single sharing basis)
4.	Specialized need based Tailor made course	As per estimate

Training fee and other charges, if any, is to be sent by Demand Draft in favour of **“National Power Training Institute Neyveli”**, payable at **Neyveli**. OR Through RTGS as per Account details mentioned below.

### Bank Account Details

Name of Bank	: State Bank of India	Branch	: NEYVELI BAZAAR
Account No	: 10548142041	IFS Code	: SBIN0002242
MICR No.	: 607002006	GST No.	: 33AACAN2698A1ZU

- ✓ Training fees for Short Term Training Program is inclusive of working lunch. The training programs are non residential & Accommodation is not compulsory at NPTI Premises. Payment for Training & Accommodation is separate.
- ✓ Boarding /Food facility is available at NPTI Executive Hostel on chargeable basis. Applicable GST if any will have to be paid on Accommodation & Boarding. Hostel accommodation, if available, can be provided, on request, at nominal extra charges, as per details given below:
  - ❖ 400/- per day per bed for Non A/C rooms.
  - ❖ Rs.500/- per day per bed for A/C rooms on twin sharing basis.
- ✓ The course fee includes tea/snacks and working lunch during the training program. Breakfast and Dinner facility available on chargeable basis at NPTI(SR), Neyveli.

## CUSTOMIZED TRAINING PROGRAMS

Customized training programs shall also be provided based on the requirements from the utilities.

- ✓ **Tailor made Training Programs/On-site Training Programs** as per specific requirements or **Induction Level Training Programs** can be conducted for various companies depending upon their requests.
- ✓ In the past NPTI(SR), Neyveli has conducted customized induction level training programs for number of batches of L&T Power, Mitsubishi Power India Private(MPIPL), Bengaluru & GMR Energy, NLC India Limited, Neyveli etc. for duration of 04 weeks to 26 weeks.





### Address for Communication

**Dr. S. Selvam**

**Director**

National Power Training Institute, Southern Region,

Block-14, NEYVELI 607 803, TAMIL NADU

Phone: 04142-269427, Mob.No.9818605520, Email Id: sselvam.npti@gov.in

**Note:** For any Enquires related to the training programs the following officers may please be contacted

Sl. No.	Name of the Program Director (Shri/Smt)	Designation	Mobile	Email Id
1.	K. Muthukumar	Deputy Director	9443388423	muthu.npti@gmail.com/ kmuthu.npti@gov.in
2.	S. Amirthavalli	Deputy Director	9442980917	amirthagovind@gmail.com
3.	Dr.K. Vetrivel	Deputy Director	9449017475	eluswamy@gmail.com
4.	S. Senthil Kumar	Deputy Director	9443088015	senthilkumar.nptisr@gmail.com
5.	R.Ramar	Deputy Director	9487801117	ramar.nptisr@yahoo.com
6.	Dr. J. Raja	Assistant Director	8800124789	jraja.npti@gov.in/ jrajaj1980@gmail.com



**NATIONAL POWER TRAINING INSTITUTE**  
**HOT LINE TRAINING CENTRE**  
(Ministry of Power, Govt. of India)  
**BANGALORE**

**Training Calendar NPTI HLTC FY 2021-22**

Sl. No	Name of Course	Period		Duration
		From	To	Weeks/days
1	115 <sup>th</sup> Live Line Maintenance Techniques (LLMT) using Hot Stick Method (HSM)	06.09.21	19.11.21	11 Weeks
2	50 <sup>th</sup> One week Awareness Course for Executives in Hot Line Activities	08.11.21	12.11.21	01 Week
3	27 <sup>th</sup> Live Line Punctured Insulator Detection	22.11.21	26.11.21	01 Week
4	Insulator Washing Techniques (on site)	22.11.21	25.11.21	4 days
5.	Live Line Punctured Insulator Detection (on site)	29.11.21	02.11.21	4 days
6	27 <sup>th</sup> Live Line Maintenance Techniques (LLMT) using Bare Hand Method (BHM)	29.11.21	31.12.21	05 Weeks
7.	One day Webinar on Cyber Security	02.12.21	02.12.21	1 day
8.	116 <sup>th</sup> Live Line Maintenance Techniques (LLMT) using Hot Stick Method (HSM)	03.01.22	18.03.22	11 Weeks
9.	Insulator Washing Techniques (on site)	04.01.22	07.01.22	4 days
10.	51 <sup>st</sup> One week Awareness Course for Executives in Hot Line Activities	07.03.22	11.03.22	01 Weeks
11.	21 <sup>th</sup> Switchyard Maintenance Techniques using LLMT for Lineman/Supervisors	21.03.22	15.04.22	04 Weeks
12.	One day Webinar on E Mobility	02.02.22	02.02.22	1 day
13.	One day Webinar on Cyber Security	10.03.22	10.03.22	1 day

## Training Calendar of NPTI-NER, Guwahati for the period November 2021 - September 2022

Sl No	Course Name	Duration(Days)	Online/Offline	From	To	Fee	Batch Size
<b>November 2021</b>							
1	10 days Skilling Trainings for Suryamitra on PV Technology and Entrepreneurship, under IRISE Project (Batch 2)	10	Offline Residential	08.11.2021	18.11.2021	Rs 11,000/- per Participant	25
2	Certificate Course in Industrial Safety	20	Online	15.11.2021	10.12.2021	Rs.2000/- per Trainee	100
<b>December 2021</b>							
3	Certificate Course in Fire and Electrical Safety	5	Offline Residential	13.12.2021	17.12.2021	Rs. 18,000/- per Trainee	25
4	Internship for Engineering Students	20	Online	06.12.2021	31.12.2021	Rs 2000 per Participant	200
5	Distribution Infrastructure-Advanced Metering Infrastructure(AMI) and AT&C Loss Reduction	5	Offline Residential	20.12.2021	24.12.2021	Rs. 18,000/- per Trainee	25
<b>January 2022</b>							
6	One Week Cyber Security Issues and its Strategic Avoidance Solution for Transmission & Distribution Utilities	5	Offline Residential	03.01.2022	07.01.2022	Rs 18,000/- per Trainee	25
7	EV Ecosystem Program	2	Offline Residential	03.01.2022	04.01.2022	Rs 2400 per Participant.	25
8	Energy Conservation & Energy Audit (For Generation Sector)	3	Offline Residential	03.01.2022	05.01.2022	Rs. 13,000/- per Trainee	25
9	Workshop on Electric Vehicle and its Ecosystem	01	offline	10.01.2022	10.01.2022	TBD	
10	Workshop on Grid Connected PV plant	01	offline	21.01.2022	21.01.2022	TBD	
11	EV Ecosystem Program	2	Offline Residential	31.01.2022	01.02.2022	Rs 2400 per Participant.	25
<b>February 2022</b>							
12	Productivity Enhancement Programme for Utilities sponsored by NEC	3	Offline Residential	07.02.2022	09.02..2022	Rs 3600 per Participant.	25
13	Productivity Enhancement Programme for Utilities sponsored by NEC	3	Offline Residential	11.02.2022	13.02..2022	Rs 3600 per Participant.	25
14	Productivity Enhancement Programme for Utilities sponsored by NEC	3	Offline Residential	15.02.2022	17.02..2022	Rs 3600 per Participant.	25
15	Energy Audit and Loss Reduction in T&D Systems	3	Offline Residential	19.02.2022	21.02..2022	Rs 3600 per Participant.	25
16	One Week Cyber Security Issues and its Strategic Avoidance Solution for Transmission & Distribution Utilities	5	Offline Residential	28.02.2022	04.03..2022	Rs 18,000/- per Trainee	25



March 2022							
17	Open Access, Power Trading and Tariffs - ABT Scenario  (SAARC Countries)	5	Online/Offline Residential	07.03.2022	11.03..2022	Offline For SAARC Countries –US \$ 400 per week.  For Indian-Rs 18,000/- per Trainee  Online 30% less than offline fee	Offline- 25  Online- 100
18	Distribution Metering	5	Offline Residential	07.03.2022	11.03..2022	Rs 18,000/- per Trainee	25
19	Distribution Infrastructure- Advanced Metering Infrastructure(AMI) and AT&C Loss Reduction	5	Offline Residential	21.03.2022	25.03..2022	Rs. 18,000/- per Trainee	25
20	Certificate Course in Fire and Electrical Safety	5	Offline Residential	28.03.2022	01.04..2022	Rs. 18,000/- per Trainee	25
21	Operation & Maintenance of Transformers	5	Offline Residential	28.03.2022	01.04..2022	Rs. 18,000/- per Trainee	25
April 2022							
22	One Week Hydrogen Energy as fuel (National Hydrogen Energy Mission)	5	Offline Residential	04.04.2022	08.04.2022	Rs. 18,000/- per Trainee	25
23	Energy Audit & Demand Side Management in Power Utilities	5	Offline Residential	04.04.2022	08.04.2022	Rs. 18,000/- per Trainee	25
24	EV Ecosystem Program	2	Offline Residential	11.04.2022	12.04.2022	Rs 2400 per Participant.	25
25	One Week Cyber Security Issues and its Strategic Avoidance Solution for Transmission & Distribution Utilities	5	Offline Residential	18.04.2022	22.04.2022	Rs 18,000/- per Trainee	25
26	Distribution Infrastructure- Advanced Metering Infrastructure(AMI) and AT&C Loss Reduction	5	Offline Residential	18.04.2022	22.04.2022	Rs. 18,000/- per Trainee	25
May 2022							
27	Internship for Engineering Students	20	Online	04.05.2022	30.05.2022	Rs 2000 per Participant	200
28	One Week Cyber Security Issues and its Strategic Avoidance Solution for Transmission & Distribution Utilities	5	Offline Residential	09.05.2022	13.05.2022	Rs 18,000/- per Trainee	25
29	EV Ecosystem Program	2	Offline Residential	23.05.2022	24.05.2022	Rs 2400 per Participant.	25
June 2022							
30	Cyber Security Issues and its Strategic Avoidance Solution for Transmission & Distribution Utilities	5	Offline Residential	06.06.2022	10.06.2022	Rs 18,000/- per Trainee	25

31	Operation & Maintenance of Sub station	5	Offline Residential	06.06.2022	10.06.2022	Rs. 18,000/- per Trainee	25
32	EV Ecosystem Program	2	Offline Residential	13.06.2022	14.06.2022	Rs 2400 per Participant.	25
33	Small, Mini and Micro Hydro Power Generation	5	Offline Residential	20.06.2022	24.06.2022	Rs. 18,000/- per Trainee	25
34	One Week Cyber Security Issues and its Strategic Avoidance Solution for Transmission & Distribution Utilities	5	Offline Residential	27.06.2022	01.07.2022	Rs 18,000/- per Trainee	25
<b>July 2022</b>							
35	EV Ecosystem Program	2	Offline Residential	04.07.2022	05.07.2022	Rs 2400 per Participant.	25
36	One Week Cyber Security Issues and its Strategic Avoidance Solution for Transmission & Distribution Utilities	5	Offline Residential	11.07.2022	15.07.2022	Rs 18,000/- per Trainee	25
37	EV Awareness Program	3	Offline Residential	18.07.2022	20.07.2022	Rs 3600 per Participant.	25
38	Emerging Technologies in Reducing AT&C Losses	5	Offline Residential	18.07.2022	22.07.2022	Rs. 18,000/- per Trainee	25
39	Waste to Energy : Green Energy Development	5	Offline Residential	25.07.2022	30.07.2022	Rs. 18,000/- per Trainee	25
40	Best Practices in Distribution Operation & Management	5	Offline Residential	18.07.2022	20.07.2022	Rs. 18,000/- per Trainee	25
<b>August 2022</b>							
41	Data Science & Big Data Analysis - Energy & Utility	3	online	01.08.2022	03.08.2022	Rs. 9100/- per Trainee	100
42	Advanced O&M Practice of Gas based power Plant	5	Offline Residential	22.08.2022	26.08.2022	Rs. 18,000/- per Trainee	25
43	Emerging Technologies in Reducing AT&C Losses	5	Offline Residential	22.08.2022	26.08.2022	Rs. 18,000/- per Trainee	25
<b>September 2022</b>							
44	Waste to Energy: Green Energy Development	5	Offline Residential	05.09.2022	09.09.2022	Rs. 18,000/- per Trainee	25
45	Small, Mini and Micro Hydro Power Generation	5	Offline Residential	12.09.2022	16.09.2022	Rs. 18,000/- per Trainee	25
46	EV Ecosystem Program	2	Offline Residential	19.09.2022	20.09.2022	Rs 2400 per Participant.	25
47	Management of Renewable Energy (Solar Energy in Particular); Finance and Economics of Renewable Energy	10	Offline Residential	12.09.2022	23.02.2022	Rs. 33,000/- per Trainee	25

For More Information:

<b>Official Website</b>	www.nptiner.in
<b>Email</b>	npti.ner@outlook.com
<b>Address</b>	National Power Training Institute - NER (Ministry of Power, Govt. of India) Dakshingaon Road, Kahalipara, Guwahati - 781019. Assam. Phone: 0361-2911222
<b>Contact</b>	Shri. J.Jayasamraj Director & Unit Head, NPTI-NER. Email: jayasamraj.npti@gov.in
	Shri. Sambit Gantayat, Deputy Director / Training Officer Email: sambitgantayat.npti@gov.in Mobile No.: +91 9004735957



## NPTI-HPTC, Nangal, Punjab

### Training Program to be Conducted till Oct 2022

S. No.	Month	Date	Name of Programs	Duration	Mode of Training
1	Nov, 2021	08.11.21	250 MW Hydro Simulator	01 week	Offline
2		15.11.21	Specialized Training program of Hydro Power Plant Engineering	01 week	Online /Offline
3		23.11.21	Advanced O & M techniques in Hydro Power Plant	03 days	Online /Offline
4	Dec, 2021	06.12.21	Specialized Training program of Hydro Power Plant	06 weeks	Offline
5		21.12.21	Hydro Generator and its excitation system	03 days	Online /Offline
6	Jan, 2022	10.01.22	250 MW Hydro Simulator	01 week	Offline
7		19.01.22	Electricity Act and Regulations	03 days	Online /Offline
8		24.01.22	Hydro Power Plant Operation	01 week	Online /Offline
9	Feb, 2022	09.02.22	Solar Energy & Grid Integration	02 days	Online /Offline
10		15.02.22	Advanced O & M techniques in Hydro Power Plants	03 days	Online /Offline
11		23.02.22	Hydro Power Plant Auxiliaries	01 week	Online /Offline
12	Mar, 2022	09.03.22	Safety In power Station	02 days	Online /Offline
13		16.03.22	Best O & M Practices of Hydraulics Gates in Hydro Power Plant	02 days	Online /Offline
14		21.03.22	250 MW Hydro Simulator	01 week	Offline
15	April, 2022	18.04.22	Advanced O & M Practices in Supercritical Thermal Power Plant	01 week	Online /Offline
16		27.04.22	Cyber Security in Power Sations	01 Day	Online /Offline
17	May, 2022	10.05.22	Hydro Turbine, Auxiliaries & Governing System	03 days	Online /Offline
18		16.05.22	Specialized Training program on Hydro Power Plant Engineering	01 week	Online /Offline
19		23.05.22	250 MW Hydro Simulator	01 week	Offline
20	June, 2022	06.06.22	Best O & M Practices of Switchgear & Transformer	01 week	Online /Offline
21		13.06.22	Specialized Training Program on O&M of Hydro Electric Plant	12 weeks	Online /Offline
22		15.06.22	Solar Energy & Grid Integration	02 days	Online /Offline
23	July, 2022	12.07.22	Advanced Mtc Practices of Valves & Pumps in Hydro Power Plant	03 days	Online /Offline
24		25.07.22	Hydro Power Plant Operation	01 week	Online /Offline
25	Aug, 2022	09.08.22	Advanced O & M techniques in Hydro Power Plants	03 days	Online /Offline
		23.08.22	Cyber Security in Power Sations	01 day	Online /Offline
26	Sept, 2022	14.09.22	Hydro Power Plant Auxiliaries	03 Days	Online /Offline
27		26.09.22	250 MW Hydro Simulator	01 week	Offline
28	Oct, 2022	10.10.22	Hydro Power Plant Operation	01 week	Online /Offline
29		11.10.22	Safety in Power Station	02 days	Online /Offline

30	17.10.22	Advanced O & M Practices in Supercritical Thermal Power Plant	01 week	Online /Offline
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## Revised Training Calander from November 2021 to March 2022

<b>A List of Long Term Training Program</b>					
<b>S.No.</b>	<b>Course Name</b>	<b>Duration</b>	<b>From</b>	<b>To</b>	<b>Mode</b>
1	PGDC program on O&M in T&D	26 Weeks	14-03-2022	13-09-2022	Offline
2	PDC Program on Thermal Power Plant Engineering	52Weeks	17-01-2022	16-01-2023	Offline
<b>B List of Simulator Training Program</b>					
1	SCADA & SMART GRID	5 Days	06-12-2021	10-12-2021	Offline
2	210 MW-Thermal	5 Days	07-03-2022	11-03-2022	Offline
3	500 MW-Thermal	5 Days	27-12-2021	31-12-2021	Offline
4	800 MW-Thermal	5 Days	24-01-2022	28-01-2022	Offline
5	Hydro Simulator	5 Days	22-11-2021	26-11-2021	Offline
<b>C List of Short Term Training Program</b>					
<b>C.1</b>	<b>Renewable Energy</b>				
1	Renewable Energy-Emerging Technology	03 Days	24-01-2022	26-01-2022	Online/Offline
2	An overview of solar thermal technology	03 Days	13-12-2021	15-12-2021	Online/Offline
3	Smart Grid and Renewable Energy Integration	02 Days	09-12-2021	10-12-2021	Online/Offline
4	Solar Power Technologies	03 Days	14-03-2021	16-03-2021	Online/Offline
5	SPV Power Plant- Integration with Grid and Storage Batteries	03 Days	06-12-2021	08-12-2021	Online/Offline
6	Enterpreneurship Development Program on Solar PV Rooftop	05 Days	14-02-2022	18-02-2022	Online/Offline
7	Wind Power Sceduling	02 Days	10-02-2022	11-02-2022	Online/Offline
8	Modern concept of Wind Power Generation	02 Days	28-10-2021	29-10-2021	Online/Offline
9	An overview of Waste Heat Recovery technology	03 Days	14-03-2021	16-03-2021	Online/Offline
<b>C.2</b>	<b>Hydro Power</b>				
1	Hydraulic Turbine Testing	05 Days	14-02-2022	18-02-2022	Online/Offline
2	Concept of Commissioning of Hydroelectric Power Plants	05 Days	27-12-2021	31-12-2021	Online/Offline
3	GIS & Remote sensing application in Hydropower projects	03 Days	01-12-2021	03-12-2021	Online/Offline
<b>C.3</b>	<b>New Emerging Areas</b>				
1	E-Vehicle and charging infrastructure	02 Days	27-12-2021	28-12-2021	Online/Offline
2	Smart Cities and Emerging trends Building Concept in India	02 Days	13-01-2022	14-01-2022	Online/Offline
3	Distributed Control System, Instumentation, SCADA System and Communication	03 Days	01-12-2021	03-12-2021	Online/Offline
4	Renovation & Modernization of Power Plants	03 Days	14-03-2021	16-03-2021	Online/Offline
5	Grid Discipline -Fault Analysis Management, Operation of Power Station	03 Days	14-02-2022	18-02-2022	Online/Offline
6	Power System Protection-Advanced	05 Days	22-11-2021	26-11-2021	Online/Offline



<b>C.4</b>	<b>Thermal Power Plant</b>				
1	Energy Audit and Demand Side management in Power Utilities	03 Days	02-12-2021	04-02-2022	Online/Offline
2	Maintenance Planning & Cost control objectives	03 Days	20-12-2021	22-12-2021	Online/Offline
3	Energy Audit & Loss Reduction in T&D	02 Days	03-01-2022	05-01-2022	Online/Offline
4	Power Plant Chemistry	03 Days	10-11-2021	12-11-2021	Online/Offline
5	Condition Monitoring and Fault Diagnostics of Rotating Machines	03 Days	14-03-2021	16-03-2021	Online/Offline
6	Thermal Power Plant Efficiency & Performance Monitoring	03 Days	06-12-2021	08-12-2021	Online/Offline
7	Flue Gas Desulphurization Technologies in Thermal Power Plant	03 Days	24-01-2022	26-01-2022	Online/Offline
8	Water optimization & Audit in Thermal Power Plant	03 Days	13-12-2021	15-12-2021	Online/Offline
9	Supercritical Technology	03 Days	14-02-2022	18-02-2022	Online/Offline
10	Overview of PAT Scheme	02 Days	24-01-2022	25-01-2022	Online/Offline
11	Basic of NDT	03 Days	24-01-2022	27-01-2022	Online/Offline
12	Flexible operation of TPP, Multiple fuel firing	03 Days	17-01-2022	19-01-2022	Online/Offline
13	Measurement & Controlling of SOX, NOX, Hg	03 Days	14-02-2022	18-02-2022	Online/Offline
14	Industrial Plant safety	03 Days	01-02-2022	03-02-2022	Online/Offline
15	Insulation Audit of Power Plant & Process Industries	01 Day	16-11-2021	16-11-2021	Online
16	Emerging trends in excitation system & AVR	03 Days	07-03-2022	09-03-2022	Online/Offline
17	CO2 Capture & Storage Technology & Sustainability of Coal Based Power Plants	03 Days	07-03-2022	09-03-2022	Online/Offline
18	Industrial Fluid Handling Solutions	03 Days	01-02-2022	03-02-2022	Online/Offline
19	Industrial application of Thermal Engineering	03 Days	06-12-2021	08-12-2021	Online/Offline
20	Air handling systems & its Industrial applications	03 Days	20-12-2021	22-12-2021	Online/Offline
<b>C.5</b>	<b>Transmission &amp; Distribution</b>				
	Testing of Generator, Transformers, Reactors, HV Cables, Switchyard Equipments, Transformer oil & Testing Equipments	03 Days	07-03-2022	09-03-2022	Online/Offline
2	Power System Protection Principles, Protection Relays & Fault Analysis	03 Days	14-03-2021	16-03-2021	Online/Offline
3	Reactive Power Management	03 Days	06-12-2021	08-12-2021	Online/Offline
4	Reduction of Power Theft in Discom	03 Days	24-01-2022	26-01-2022	Online/Offline
5	Harmonic mitigation and increase efficiency	03 Days	13-12-2021	15-12-2021	Online/Offline
6	Improve operational & Financial efficiency in Discom	03 Days	14-02-2022	18-02-2022	Online/Offline
7	Smart Metering Infrastructure for Distribution Utilities-An Asset Management Framework	03 Days	22-11-2021	24-11-2021	Online/Offline
8	Scheduling of Power	03 Days	17-01-2022	19-01-2022	Online/Offline
9	O & M of Transformer & Switchgear	03 Days	01-02-2022	03-02-2022	Online/Offline
<b>C.6</b>	<b>Cyber Security</b>				
1	Cyber Security for Hydro Power Plants	02 Days	13-01-2022	14-01-2022	Online/Offline
2	Cyber Security and ethical hacking with special application in Thermal Power Plants	02 Days	09-12-2021	10-12-2021	Online/Offline
3	Smart Grid Technologies, Internet of Things and Cyber Security	02 Days	01-02-2022	02-02-2022	Online/Offline
4	Cyber Security in Power Sector	03 Days	07-03-2022	09-03-2022	Online/Offline