



Annual Report 2021-22

NATIONAL POWER TRAINING INSTITUTE

(Ministry of Power, Govt. of India)

An ISO 9001 & ISO 14001 Certified Organisation

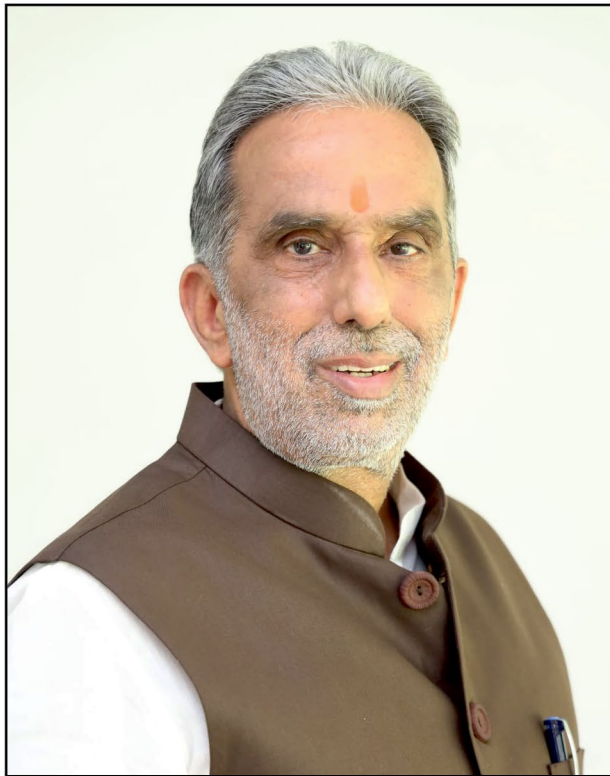
एनपीटीआई के साथ पावर सेक्टर का सुनिश्चित सम्पूर्ण विकास

Our Source of Inspiration



Shri Raj Kumar Singh

Hon'ble Cabinet Minister of Power and New & Renewable Energy, Govt. of India



Shri Krishan Pal

Hon'ble Minister of State for Power, Govt. of India

उत्कृष्टता की बुलन्दियों को छूने में एकजुट



Over 50 Years of Service to the Power Sector

Annual Report 2021-22



NATIONAL POWER TRAINING INSTITUTE

An ISO 9001 & ISO 14001 Organisation

(Ministry of Power, Government of India)

NPTI Complex, Sector - 33, Faridabad - 121 003, India

Tel.: 0129 2257131 Fax: 0129 2277412

Website: www.npti.gov.in



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.

VALUE

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

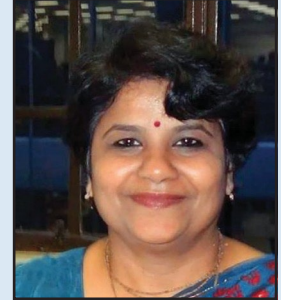
We constantly strive to motivate every power professional to tap his unique human endowments, consciousness, imagination and willpower. Together we make a difference.

INTEGRATED MANAGEMENT POLICY

NPTI is committed to enrich Human Resources in the Power Sector with frontier technologies, managerial skills and practical exposure; empowering them for sustainable and environment friendly growth of the Nation in compliance with legal provisions.

Foreword

I am pleased to present the Annual Report of National Power Training Institute for the year 2021-22. With the support of Ministry of Power, our valued client organizations and students who took admission in our various courses, NPTI has trained 15,209 personnel, achieving trainee week target of 34,502 and revenue earnings of Rs. 29.15 crores. With this NPTI has been able to train over 3,80,000 power professionals in the past more than five decades through its short, medium, long terms, need based customised training programs as well as skill development programs.



Dr. Tripta Thakur
Director General, NPTI

Many customised short-term training programs specially tailored for each client have been conducted during the last one year at various NPTI Institutes spread throughout India. New training programs have been designed for familiarizing new technological advancements and government guidelines in power sector.

In the Revamped Distribution Sector Scheme (RDSS) launched by Ministry of Power, NPTI has been engaged as Training Agency for imparting Training & Capacity Building to DISCOM personnel. NPTI has prepared 5 different job roles on various topics to provide Capacity Building for DISCOM Power Professionals. As of 31st March 2022, NPTI has conducted 31 training programs all over the country and trained 1169 personnel of various DISCOMs in Job Role 1 Introduction of AMI and role of AMI in reducing AT&C losses.

As per the CEA / Cyber Security in Power Sector Guidelines 2022, NPTI in consultation with CEA has designed domain specific courses on Cyber Security for different target groups in Power Industry. NPTI has been organising class-room training programs with hands-on practice for personnel having authorized cyber or authorized physical access to their critical systems. All personnel engaged in O&M of IT & OT systems have to mandatorily undergo courses on cyber security of Power Sector from NPTI. As of 31st March 2022, three training programs have been conducted by NPTI on Cyber Security having trained more than 288 Power Professionals.

Ministry of Power constituted five sub-groups under National Mission on use of Biomass in coal fired Thermal Power Plants. This initiative of setting up of National Mission on use of Biomass in Coal Based TPPs is to address the issue of air pollution due to farm stable burning and to reduce carbon footprints of thermal power generation. NPTI is a member of this National Mission and a member of sub-group 3. Under Mission Samarth NPTI has been organizing awareness programs for farmers, Pellet Manufacturers and Thermal Power Plant Personnel. More than 921 people were sensitized through awareness programs conducted at 10 locations.

Apart from these newly launched flagship training programs several other short-term and medium-term training programs have been conducted in the areas of Smart Grid, Roof Top Solar Power Installation and Maintenance, CCGT Simulator training, Renewable Energy & Emerging Technologies. NPTI also conducted on-line training programs for different organisation from various countries through Indian Technical and Economics Cooperation (ITEC), MEA, Govt. of India.



A 2-day National Conference on 'Regulatory Frame in Electricity Industry in India-Challenge, Governance & Future Roadmap' was organized from 23-24 March 2022 at Bhubaneswar (Odisha) which was attended by more than 120 delegates from the Power Sector.

For any organization to progress and grow, support and encouragement from its well-wisher's is of utmost importance, for conduction of smooth and successful functioning of NPTI, undersigned is extremely grateful to the Hon'ble Cabinet Minister of Power, Hon'ble Minister of State for Power, Secretary (Power), Special Secretary & FA, Addl. Secretary (Power), Economic Adviser and other officers of the Ministry of Power for extending their fullest unconditional timely support and appropriate guidance.

I would also like to extend my gratitude to the Members of the General Body, Governing Council and Standing Committee for their valuable guidance and support.

NPTI is also thankful to the Advisory Board members constituted in all NPTI Institutes for their valuable suggestions for enhancing the training quality and providing ideas about new topics for training.

Faridabad

(Dr. Tripta Thakur)
Director General

एनपीटीआई के साथ पावर सेक्टर का सुनिश्चित सम्पूर्ण विकास

Governing Council National Power Training Institute (Present Composition)



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



Shri Ghanshyam Prasad
Chairperson, CEA
Vice-Chairman, Governing Council



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



Shri Ajay Tewari
Additional Secretary
Ministry of Power, Permanent Member



Jithesh John
Economic Adviser,
Ministry of Power, Permanent Member



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

Note: Besides there are 16 more members from various organizations

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Chapter-1

Organization

1.1 Preamble

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 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 institutes in different power zones of the country. NPTI is the only institute of its kind in the world with such a wide geographical spread and covering a wide gamut of academic and training programs in Power Sector. NPTI has been providing its dedicated service for more than 5 decades.

NPTI operates on an all India basis through its 11 Institutes in different zones of the country 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



Eastern & North Eastern Region

7. NPTI (Eastern Region) Durgapur
8. NPTI (North Eastern Region) Guwahati

Western Region

9. NPTI (Western Region) Nagpur

Two new Institutes of NPTI

10. NPTI Alappuzha, Kerala
11. NPTI Shivpuri, Madhya Pradesh

1.2 Objectives

1.2.1 Primary objectives:

- To function as a National Organization for training in the field of -
 - (a) Operation and Maintenance of Power Stations; and
 - (b) All other aspects of Electrical Energy Systems including Transmission, Sub-Transmission and Distribution.
- To act as an Apex Body for initiating and coordinating training programs in the Power Sector of the country
- To establish and run Training Institutes for Engineers, Operators, Technicians and other personnel of the Power Sector.

1.2.2 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 with those of other Technical Institutions and supplement it with the training programs 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 the research and development studies in the field of Operation, Maintenance and Management of Power Generation and Transmission Systems and to prepare and conduct specialized training programs thereof.
- To establish, maintain and manage laboratories, workshops, experimental transmission lines, sub- stations and other facilities required in pursuance of its objectives.
- To collect information and maintain documentation in the field of electricity generation and distribution.
- To collect, prepare, edit, print and publish material, papers, periodicals or reports in furtherance of the objectives of the Society.
- To organize seminars and workshops.
- To enter into agreement with any enterprise or institution or person and provide funds to them for specific training programs, demonstrations, assignments, preparation of training material or technical guidance.

1.3 Present Organisational Set-up

1.3.1 General Body of NPTI

The General Body of NPTI consists of the following members:

i)	Secretary, Ministry of Power	President
ii)	Chairperson, Central Electricity Authority	Vice-President
iii)	All Members of the Governing Council of NPTI	Members
iv)	All Members of Central Electricity Authority	Members
v)	Chairmen of all Electric Supply Undertakings/Utilities of the Govt. of India as well as State Govt.	Members
vi)	Chairman, Bharat Heavy Electricals Ltd., New Delhi	Member
vii)	Director General, Central Power Research Institute	Member
viii)	Director General, National Power Training Institute	Member-Secretary

1.3.2 Governing Council of NPTI

The affairs of NPTI are managed, administered, directed and controlled by the Governing Council. The constitution of the Governing Council is as under:

i)	Secretary, Ministry of Power	Chairman
ii)	Chairperson, Central Electricity Authority	Vice-Chairman
iii)	Additional Secretary/Special Secretary (T&R Division), MoP	Member
iv)	Member (GO&D), Central Electricity Authority	Member
v)	Economic Adviser/Joint Secretary (T&R Division), MoP	Member
vi)	Joint Secretary & Financial Adviser, Ministry of Power	Member
vii)	Representative from HRD not below the rank of Joint Secretary	Member
viii)	Five Representatives-1 each from Power regions on a rotational basis	Members
ix)	Representative from National Thermal Power Corpn. Ltd.	Member
x)	Representative from Power Grid Corpn. of India Ltd.	Member
xi)	Representative from National Hydroelectric Power Corpn. Ltd.	Member
xii)	Six persons of eminence one each from the fields of Technical Education, Management, Power Equipment Manufacturing industry, Power Development, Non-Conventional Energy Sources and Energy Conservation/Rural Electrification-Nominated by the Government of India	Members
xiii)	Director General, National Power Training Institute	Member-Secretary

1.3.3 Standing Committee of the Governing Council of NPTI

The Governing Council has authorized the Standing Committee, consisting of the following officers to examine and take decisions on behalf of the Governing Council in respect of matters which are not within the delegation of powers to the Chairman, Governing Council; the Director General, NPTI; the Management Council of the Institutes of NPTI or any other Officer of the Society subject to the condition that such decisions would be reported to the Governing Council at its next meeting for its confirmation:-

a.	Additional Secretary/Special Secretary (T&R Division), MoP	Chairman
b.	Economic Adviser/Joint Secretary (T&R Division), MoP	Member
c.	Joint Secretary & FA, Ministry of Power	Member
d.	Chief Engineer (HRD), Central Electricity Authority	Member
e.	Director General, National Power Training Institute	Member Convener

1.3.4 Apex Management of NPTI

- President of NPTI
 - Governing Council
 - Standing Committee of the Governing Council
 - Director General
 - Principal Directors/HOI of the Regional Training Institutes
 - Principal Director of the Centre for Advanced Management and Power Studies
- The Organizational Chart is given at Annexure ‘A’

1.4 Funding

The funds of the Society consist of the following:

- i) Grant-in-aid released by the Government of India, Ministry of Power
- ii) Training Fees
- iii) Consultancy fees
- iv) Income from investments
- v) Receipts of the Society from other sources like Publications etc.

The C&AG of India, audits the accounts of the Society annually. The accounts of the Society, as certified by the Auditing Authority together with the Audit Report thereon are forwarded annually to the Government of India for placing before both the Houses of Parliament.

1.5 Personnel & Administration

The Category-wise number of employees, as on 31.3.2022 are as follows:

S. No.	Category	No. of employees
1.	Group 'A'	82
2.	Group 'B'	27
3	Group 'C' (including MTS)	67
	Total	176

1.5.1 Representation of Women Employees in NPTI

The Group-wise number of women employees as on 31.3.2022 is shown in the Table below:

S. No.	Category	Total employees as on 31/03/2022	No. of women employees	%age
1.	Group 'A'	82	09	10.97
2.	Group 'B'	27	11	40.74
3.	Group 'C' (including MTS)	67	08	11.94
	Total	176	28	15.91

1.5.2 Representation of Scheduled Castes (SC), Scheduled Tribe (ST), OBC and Physically Handicapped employees

The Group-wise number of Scheduled Castes (SC), Scheduled Tribe (ST), OBC and Physically Handicapped employees - As on 31.3.2022

S. No.	Group	Total Employees (as on 31/03/2022)	No. of Employees						
			SC	ST	OBC	PH	Total	%age	
1.	Group 'A'	82	16	03	11	02	32	39.02	
2.	Group 'B'	27	06	02	01	01	10	37.03	
3.	Group 'C' (Including MTS)	67	22	08	14	06	50	74.62	
	Total	176	44	13	26	09	92	52.27	

1.6 Welfare of SC/ST/OBC Employees

Liaison Officers have been designated at different Institutes and Corporate Office of NPTI to look after the welfare of SC/ST and OBC employees respectively.

1.7 Implementation of Official Language Policy

- NPTI and its Training Institutes are implementing the various provisions of the official language policy of the Government. Progressive usage of Hindi in Official work is being used.
- In compliance with the constitutional and statutory requirements, all documents required to be issued bilingually are being adhered to. Similarly communications received in Hindi are replied in Hindi.
- Meeting of Official Language Implementation Committee at NPTI Corporate Office and Training Institutes are convened regularly.
- Cash Award Scheme such as Incentive Scheme for original noting/drafting in Hindi has been implemented. During the year under report, 09 officers/staff of NPTI Corporate Office and its Institutes have been awarded under this scheme.
- In order to assess the progressive use of Hindi at NPTI Corporate Office and its Institutes, periodic inspections are carried out.
- In compliance with the Official Language Policy, a “Hindi Pakhwara” was celebrated in NPTI Corporate Office and its Institutes from 14-28 September 2021. In order to step up the use of Hindi in official work, competitions in Hindi Sulekh, Noting-Drafting in Hindi, Essay Writing etc. were organized. Officers/employees took part in the competitions and winners were conferred with certificates.
- In order to create a conducive and inspiring atmosphere for the implementation of the Official Language Policy “Hindi Workshops” were organized at NPTI Corporate Office and its institutes.
- From the last three years, during the Hindi Week/Fortnight, programs for children and women of NPTI staff are also being organized.

1.8 Grievance Cell

To redress the grievances, in accordance with the instructions of Deptt. of Administrative Reforms & Public Grievances, Dr. Manju Mam, Principal Director (CAMPS), Corporate Office is functioning as Chief Grievance Officer and Sh. N.R. Halder, Director as Dy. Chief Grievance Officer of NPTI Corporate Office and its Institutes. Apart from this, Grievance Officers are designated at all the Regional Institutes of NPTI. During the period of 1st April 2021 to 31st March 2022, as many as 20 cases relating to service matters and other issues were reported, out of which 19 cases have been disposed-off. Grievance Redressal Mechanism has been uploaded on NPTI website.



1.9 Right to Information Act

Under the Right to Information Act, Public Information Officer and Asstt. Public Information Officers have been appointed for Corporate Office and the Institutes of NPTI respectively. Sh. Vimal Pandey, Deputy Director (Admn.), NPTI, Faridabad has been appointed as Central Public Information Officer of NPTI Corporate Office, Faridabad and Sh. Rahul Pandey, Assistant Director (Training) as Dy. Central Public Information Officer of NPTI Corporate Office Faridabad. During the period of 1st April 2021 to 31st March 2022 as many as 94 requests were received for providing information. All the RTIs were settled as per rules

1.10 ISO 9001:2015 & 14001:2015 Quality & Environmental Management Systems at NPTI and its Regional Institutes

NPTI Corporate Centre and its Institutes have been certified by M/s. KBS Certification Services Pvt. Ltd. for ISO 9001:2015 & 14001:2015 Quality & Environmental Management Systems. The certification agency conducted surveillance audits at all the Institutes and granted new version of ISO 9001:2015 & 14001:2015 Certificates to NPTI. The periodical meetings as prescribed in the Integrated Management System Manual are held in the Institutes and Corporate Office. The internal auditors of NPTI conducted internal auditing of various procedures being adopted as per ISO 9001:2015 & ISO 14001:2015 at NPTI Corporate Office and Regional Institutes.

1.11 Vigilance Activities

Vigilance Awareness Week 2021 was organized in all the Institutes of NPTI from 26th October, 2021 to 1st November, 2021 with the theme “**Independent India@75:self reliance with integrity**”.

During the week number of activities were organized starting from the pledge taking. An online workshop on “**Procurement Procedures under GeM**” was organized on 27-10-2021. Officers of all the Institutes of NPTI attended the workshop. Banners were displayed at all the Institutes of NPTI about the Vigilance Awareness Week 2021.

Separate pledge taking ceremony was held on 26-10-2021 wherein the pledge to all the Officers and Staff of NPTI, Corporate Office, Faridabad was administered. Pledge was also taken by the all the Officers and Staff of all the other Institutes in their respective Institutes.

1.12 Activities

1.12.1 Training at a glance

NPTI conducts long-term, medium-term & short-term Training Programs for Engineers & Supervisors on various technical and managerial topics pertaining to the power sector. The training programs are either NPTI's regular training programs or customized training programs to suit the training needs of the client organizations.

To achieve the objective of providing Energy Sector training, different types of learning situations are created/organized.

- Class room lectures for imparting formal, theoretical and technical knowledge.
- On-line Training
- Case studies/Group discussions.
- Practical hands-on training in corrective maintenance methods and techniques.
- Simulation techniques and on-job training in Power Stations/Power Systems. The training methodology so adopted creates step by step environment for all round development of skill and knowledge of the participants.

1.12.2 Industry interfaced Programs

NPTI conducts following industry interfaced training 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 Sub-Transmission & Distribution system
- One Year Post Diploma course in Thermal Power Plant Engineering
- 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 Renewable Energy and Grid Interface Technologies
- One Year Post Graduate Diploma Course in Smart Grid Technologies
- Nine Months Post Graduate Diploma Course in Hydro Power Plant Engineering.



- Six Months Post Graduate Diploma Course in Transmission and Distribution System for Engineers.
- Six months Post Diploma course in Hydro Power Plant Engineering.

In addition, several long-term, medium term and short-term training programs in the areas of Thermal, Hydro, Renewable, Transmission & Distribution, Management, Regulatory Affairs etc. are being conducted in the all Institutes of NPTI. Customized training programs for various Power Utilities are also organized round the year along with Workshops and Seminars on latest developments in the Sector. NPTI also conducts various training programs to ensure availability of properly trained personnel covering the syllabus as per Indian Electricity Rules.

NPTI has also been catering to the Training Needs of Power Sector Organizations and Process Industries such as Steel, Cement, Aluminum, Fertilizers, Refineries viz., ACC, AEC, APGENCO, BBMB, BHEL, BSES, CEA, CESC, DPL, DVC, ECIL, FACT, GAIL, HINDALCO, HPGCL, IFFCO, IOCL, IREDA, KPCL, KRIBHCO, MPEB, NALCO, NEEPCO, NFL, NHPC, NLC, NPC, NTPC, OHPC, OPGCL, POWERGRID, RRVUNL, SAIL, THDC, UPRVUNL etc.

Training provided by NPTI results in improving Plant Load Factor of Power Plants, reduces Transmission & Distribution losses and this makes more power available to the country. More availability of Power helps in improving the GDP of the country. This is a big contribution of NPTI to the nation.

Induction Training

NPTI has imparted induction training to fresh Graduate Engineers/Executives of various Power Sector Organizations as indicated below:

Central Electricity Authority, APGCL, APDCL, AEGCL, JBVNL, Power Transmission, Corporation of Uttarakhand Ltd., Rajasthan Rajya Vidyut Utpadan Nigam Ltd., Dakshin Haryana Bijli Vitran Nigam Ltd., UP Rajya Vidyut Utpadan Nigam Ltd., Chhattisgarh State Power Generation Corporation Ltd., Bokaro Power Supply Power Company Ltd., LANCO Power, GMR Energy Ltd., Lanco Infratech Ltd., Lanco Vidarbha Thermal Power Ltd., & Udipi Power Ltd., Torrent Power Ltd. etc.

Training Program for Forum of Regulators

National Power Training Institute, Faridabad organized 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.

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.

On-line Training

NPTI is 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.

Simulator Training

The Institutes of NPTI are well equipped with Hi-Tech infrastructural facilities for conducting different courses on technical as well as management subjects covering the needs of Thermal, Hydro, Transmission & Distribution Systems, and Energy related fields of the Indian Power and allied Energy sectors.

NPTI has a 500 MW Thermal Power Plant Training Simulator, 430 MW (2 x 143 MW Gas Turbine and 1 x 144 MW Steam Turbine), Full Scope Combined Cycle Gas Turbine, 800 MW Supercritical Thermal Power Plant Simulator at Faridabad Institute and 210 MW Thermal Power Plant Training Simulator at Nagpur and Badarpur Institutes for imparting specialized skills to Thermal Power Plant Operation personnel across the country. A High fidelity Load Dispatch Operator Simulator for the National Grid installed at PSTI, Bengaluru. A 250 MW Hydro Simulator installed at HPTC, Nangal.

Six (6) DCS based Multi-functional simulators having configuration of 210 MW/500MW/800MW thermal unit, 250 MW Hydro, 540 MW Combined Cycle Power Plant & SCADA and Smart Grid have been commissioned at NPTI Corporate Office, Faridabad, Bengaluru, Nagpur, Durgapur, Alapuzha and Shivpuri.

GIS Training

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

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.

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 conducts various programs for system operators funded by LDC fund of POSOCO.

International Training

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

Consultancy Services

In order to serve the industry requirements and make best usage of infrastructure and expertise, NPTI has ventured into providing consultancy services. NPTI was appointed as REC Quality Monitor (RQM) for Tier- II Inspection of RGGVY Works under 11th Plan for six (6) states and completed the assignment. NPTI also completed the Third Party Inspecting Agency (TPIA) works by a few DISCOMs for the RGGVY works under the 10th Plan & 11th Plan in 2009 & 2010

NPTI has provided consultancy services to WAPCOS for preparation of DPR for establishment of Power Training Institute in Bhutan in 2010. NPTI also 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) completed an assignment in 2014 of preparation of a Feasibility Study for establishing a "National Power Academy" in the Kingdom of Saudi Arabia .

NPTI has been awarded a consultancy contract by Bureau of Energy Efficiency (BEE) to create master trainers for imparting training to officials of DISCOMS on DSM and Energy Efficiency under the "Capacity Building of DISCOMs" Program during XII Plan in 2014.

NPTI provided DPR preparation services under IPDS & DDUGJY Schemes to DVVNL-Agra, UP in 2015.

NPTI is also providing Project Management Agency (PMA) services for DDUGJY & IPDS Project Works for NESCO & WESCO Utility areas of OPTCL, Odisha in 2015.

NPTI has bagged Letter of Award on for engagement as Project Management Agency (PMA) for the works under IPDS from Assam Power Distribution Company Ltd (APDCL) in 2018.

NPTI has also conducted written test for Workmen & Supervisors under ACGS (Accelerated Career Growth Scheme) in 2019 for PGCIL.

NPTI was engaged by NTPC as Third Party Inspection Agency (TPIA) for Inspection of Rural Electrification works in different District of Odisha in 2019. NPTI has employed Engineers on contractual basis for Inspection of villages thus giving employment to youth as well.

NPTI has been awarded the TPIA works under Saubhagya Scheme by U.P. Power Corporation.

NPTI has been awarded the work of Preparation of DPR including SCADA System for conversion of HT/ LT overhead line to undergrounding, erection of distribution transformers 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. in 2019.

NPTI has been awarded 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 Ayodhya Nagar Nigam in 2019

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 in PuVNNL in 2020.

NPTI has been awarded extension order for Additional Quantity for Third Party Inspection Agency (TPIA) for inspection of Materials/Equipments procured in favour of Dakshinanchal Vidyut Vitran Nigam Limited. (DVVNL), Agra in 2021.

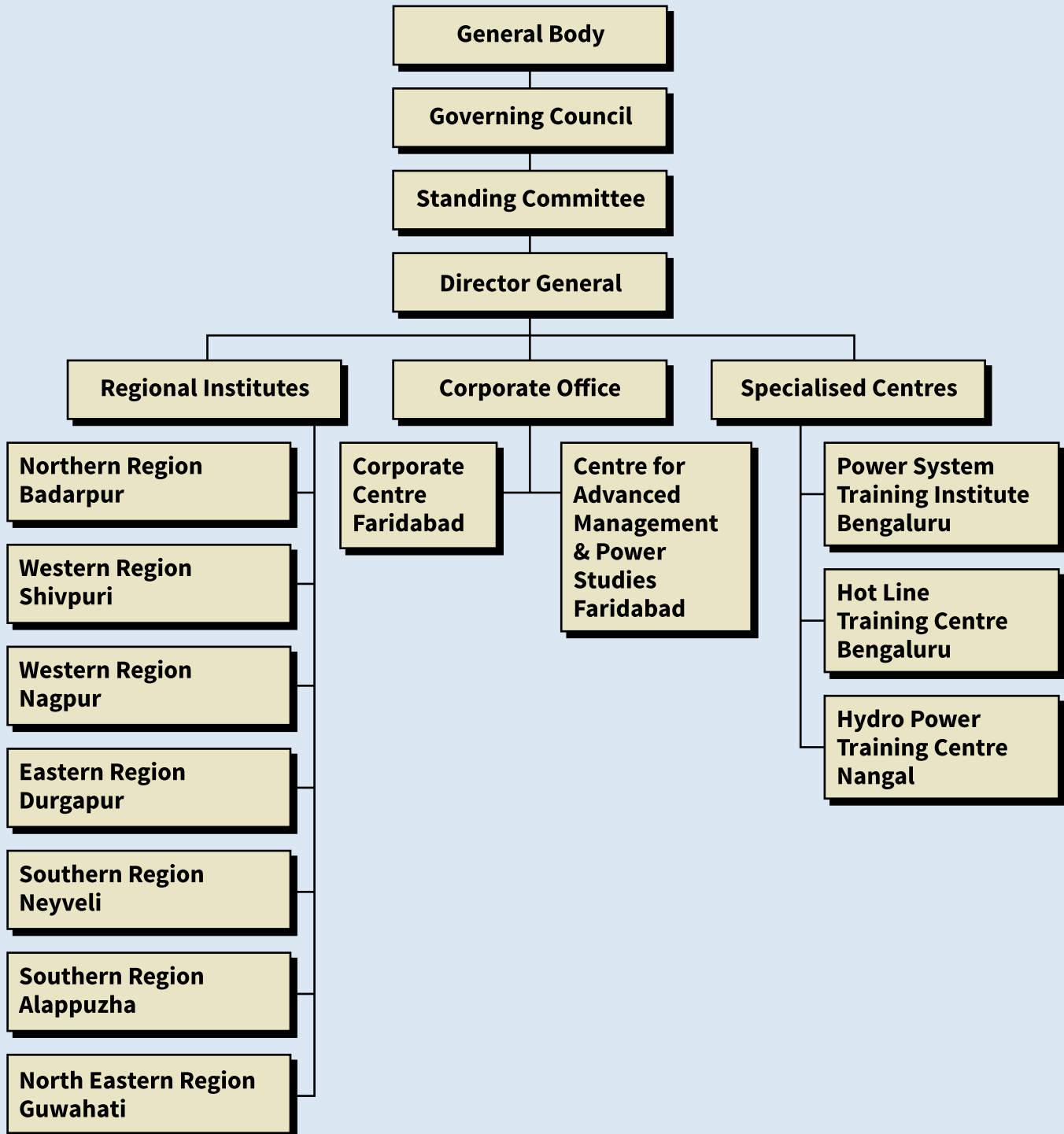
NPTI has been awarded Third Party Inspection Work towards Projects executed under electricity construction division, RPH KESCO, Kanpur in 2021

NPTI has been awarded for Third Party Inspection Agency under Jal Jeevan Mission at JJM, Tripura in 2021

NPTI has been awarded for Third Party Inspection Work of Material purchase by JVVNL Discom in 2022

NPTI has been appointed as Project Management Agency (PMA) / Consultant at MVVNL for Smart City Project - Bareilly in Feb 2022

Organisation Chart of NPTI



Chapter - 2

Infrastructural Facilities and Training Simulators

2.1 Infrastructural facilities at NPTI

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

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.

2.1.1 Classrooms

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

2.1.2 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. These libraries also subscribe to a variety of Indian and foreign periodicals and journals for keeping in tune with the latest developments in Engineering & Technology.

2.1.3 Computer Lab

Computer Labs with the latest configurations having access to the Internet are available at all the Regional Institutes. Students are encouraged to use these facilities extensively during and after the class-room sessions to enhance and update their Computer skills for continual up-gradation of power sector related information. Besides, all the officers have been provided with Computers together with Internet facility and connected in LAN for sharing of Data and file system to gradually progress towards a Hi-Tech IT driven paperless office.

2.1.4 Laboratories/Workshops

The laboratories and Workshops are the prerequisites for providing off-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:

- Control and Instrumentation Laboratories with facilities for testing, calibration and repairs of different types of process control instrument
- Maintenance workshops for Valves, Bearings & Shaft alignment, Pumps, Motors etc.
- Electrical laboratories with facilities for testing of relays, electrical equipments, insulating oils etc., along with repairs as per requirement.
- 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.

2.1.5 Models

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

2.1.6 Audio Visual Aids

All the Institutes are well equipped with Audio visual aids which are required for efficient running of training programs. Latest computer compatible projection systems have been added in the existing slide projectors, overhead projectors, video cassette recorders, recording decks, personal computers, slide synchronized packages for various lessons in operation and maintenance of power station.

2.1.7 Video Conference Facility

All Institutes have Conference Facility for interaction among various officers of the organization.

2.1.8 Hostel Facilities

Well furnished Executive hostel and Trainee hostel with modern lodging and boarding facilities are available to accommodate about 550 trainees at NPTI Corporate Centre Complex, Faridabad. An international hostel with 24 double bedded rooms is the latest addition to the Corporate Office Campus. Well furnished hostels are also available at each of the regional institute of NPTI where modern and hygienic lodging and boarding facilities are available. The hostel accommodation is provided to the trainees only for the period of training course. All the Institutes have the facility of separate Girls Hostel. 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.

2.1.9 Sports facilities

Indoor and outdoor sports and games facilities such as Basketball, Volleyball, Badminton, Table Tennis, Carroms, etc., have been developed and students/ trainees are encouraged to avail these facilities. A full fledged Gym has been set up for the trainees. Yoga classes are conducted to keep the students physically and mentally fit and to reduce stress.



2.1.10 NPTI Publications

NPTI has published more than 97 Training Manuals for different courses. Which are being offered to be trainees as course material and also circulated at reasonable prices to the client .

Multimedia CBT has been identified as one of the cost effective means of delivering consistent high quality training. In view of this, a CBT cell has been established at NPTI, Corporate Office Faridabad and also at other Regional Centres for developing the multimedia “Self-Learning” packages in various technical areas concerning Power Generation, Transmission and Distribution.

2.1.11 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.

2.1.12 Medical Services

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

2.1.13 Centre for Advanced Management and Power Studies (CAMPS)

NPTI established a “Centre for Advanced Management and Power Studies” CAMPS at the Corporate Office, Faridabad for the higher echelons of the Power Sector, CAMPS has been entrusted with the responsibility for conducting programs on Power Regulation, Power Finance, Power Environment and Power Technology interfaces etc. Power System studies focusing the recent technological advancements covering emerging areas such as Intelligent automation Smart Grid Technology, Renewable Energy Integration with Grid Interface modules for power evacuation utilizing Smart Power Flow Controllers are also some of the niche areas. Blending frontier technologies with Management, the Centre prides itself in conducting Programs/ workshop for working executives and fresher’s. Courses on Regulatory framework are also being conducted through Distance Education Mode including assessment and evaluation by NPTI.

Under the auspices of CAMPS, issues related to Electricity Regulation, Protection of consumer interests, Open Access and Load Dispatch, Demand Side Management and Smart Power Flow Controllers for a Smarter Grid have been the highlights of the past 5 years. Energy Efficiency and Energy Conservation, LED Street Lighting programs, Power System Economics are some of the other disciplines which are also being addressed to meet the future needs of Power Section.

2.1.14 Centre for Excellence in GIS & Remote Sensing

A Centre of Excellence in GIS (Geographical Information Systems) has been established at NPTI Complex, Faridabad. The Centre of Excellence in GIS provides a core knowledge base and disseminates geospatial knowledge to the society at large through education & training. NPTI has launched various short-term & long-term courses in GIS & Remote Sensing.

The main aim of the programs that are being offered is to develop a pool of trained manpower readily available for recruitment in organizations working in GIS & Remote Sensing fields. GIS & Remote Sensing technology is highly used in utility sector and is capable of carrying out complex on line and off-line power system analysis like load flow analysis, load forecasting, route optimization, distribution planning and control, geometric network for optimum distribution of power in demanding phase. GIS & Remote Sensing also provides flexibility in analysis and through this one can easily carry out different tasks related to power system planning and management of electricity with efficient results. GIS is also used for selection of suitable sites and for profile analysis. GIS is not only useful in developing accurate database, improve internal efficiency levels pertaining to power supply monitoring, commercial and customer services but also extremely useful for important functions like network analysis, facility management, energy audit and trouble call management, GIS also plays an important role in maintenance and monitoring system in the Power Sector. Using GIS, the entire electrical network can be overlaid on a satellite image or a vector base map.

2.1.15 Power System Training Institute (PSTI)

Power Systems Training Institute, Bengaluru located in about 17 acres of land with excellent infrastructure and training facilities imparts training in power systems and related areas with facilities such as a Dispatcher Training Simulator, High Voltage Testing and Instrumentation Laboratory, Relay Testing Laboratory, Power System Study Laboratory etc. Several short-term specialized courses in various areas such as Metering Power System Studies, Power System Operation and Control, Protection, SCADA, EHV Sub-stations, Switchgear, Energy Audit, Transmission & Distribution, Indian Electricity



Rules etc., are conducted for the benefit of the Power Sector and related areas for State Utilities / CPSUs etc.

NPTI's Power System Training Institute (PSTI) had been conducting Certification of Power System Operations since 2011 Training Courses at NPTI, Corporate Office, Faridabad and Power System Training Institute (PSTI), Bengaluru equip the system operators with necessary inputs to take up the system Operation Certification Exam.

Basic Level On-Line System Operator Certification exams are being conducted since November 2011 every year at various centres across the country. Specialist 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 PSTI, Bengaluru.

2.1.16 Hot Line Training Centre (HLTC)

Hot Line Training Centre, Bengaluru located in a picturesque 60 acres of land complete with excellent infrastructural facilities was established in 1975 for imparting Live Line Maintenance training to personnel from State Electricity Boards/Public Sector Undertakings etc. Highly specialized skill technique based courses viz. Live Line Maintenance Techniques using Hot Stick method and Bare Hand techniques are conducted at this Institute. Training is being imparted by utilizing the experimental live lines in the yard consisting from 11 KV to 22 KV erected in the Training Centre's premises for this purpose. As part of the training trainees are also made to work on live commercial lines of Karnataka Power Transmission Corporation Ltd., / Power Grid corporation Ltd. (ranging in voltage levels from 66 KV to 22 KV / 400 KV.) Specially trained in-house Expert faculty is available for conducting these course.

CEA Regulation of September, 2010 provides for training of Hot Line Maintenance of Transmission & Distribution Lines and Sub-stations to various persons engaged in this work. This calls for additional augmentation of Hot Line Maintenance Training Centre. To achieve this objective, NPTI took the initiative and proactive action of preparation of DPR for increase of the training infrastructure / augmentation at HLTC to cater to increased training load requirement of Hot Line Training in the country.

NPTI Corporate office at Faridabad has taken the initiative of preparation of an exclusive Film of about 15 minutes depicting the specialized training being imparted at this Institute. This showcases the technical excellence of this institute to foreign organizations seeking NPTI's support for their training activities and also improves the image of NPTI among its various stakeholders.

2.2 Simulators

2.2.1 500 MW Simulator

NPTI has set up a high-quality, high-fidelity real-time full scope 500 MW Fossil Fuel Fired Power Plant Training Simulator, at its Corporate Centre. The Simulator realistically emulates the behavior of the entire process simulation in a real-time scenario for a meaningful and off-job Operator Training. This is a replica of the 500 MW Stage-III, Unit-5 of Chandrapur Thermal Power Station of MAHAGENCO and has a unique facility of imparting training on the ‘Conventional Control Panels’ as well as on the ‘Video Process Control’ (DDC/CRT-Key Board based Unit Operation) Panels in Virtual Panel and Control Schematic modes of Unit Operation, taking care of the needs of futuristic trends in Power Plant Operation. The Simulator training results in Operators making better judgment calls, reduced plant trips, trouble free start-ups and maneuvering of plant sub-systems, optimum usage of auxiliary resources, extended equipment life, less down time and lower costs. The Simulator has more than 250 emergency conditions, including DAS functions for applications ranging from Operator Training to engineering and plant performance analysis and improvements etc.

2.2.2 Combined Cycle Gas Turbine Simulator

2.2.2.1 430 MW Combined Cycle Gas Turbine Power Plant Simulator

NPTI has set up a high-quality, high-fidelity real-time Simulator at its Corporate Centre. The Simulator realistically emulates the behavior of the entire process Simulation in a real-time scenario for a meaningful and off-job Operator Training. This is a replica of NTPC Faridabad Gas Power Plant, Siemens Make V-94.2 Model comprising of 2x143 MW Gas Turbines and 1x144 MW Steam Turbine. This CCGT replica Simulator is equipped with all the CRT controls with Latest State-of-the art Barco Screens. The training on this simulator will benefit operators and Shift Charge Engineers working or being posted on Combined Cycle Gas Plants.

2.2.3 210 MW Thermal Power Plant Simulators

Regional institutes at Badarpur and Nagpur are equipped with 210 MW Fossil Fuel fired thermal power plant full scope real time Simulators. The Simulator at Badarpur is a replica of 210 MW Unit of Badarpur Thermal Power Station, New Delhi and the one at Nagpur replicates 210 MW unit of Khaperkheda T.P.S. of MAHAGENCO. These Simulators provide a unique opportunity for the trainees to experience a full range of operation and stress situations in an integrated mode of Unit Operation.

These state-of-the-art Simulator facilities improve the reflex operational skills of Shift Charge Engineers, Unit Controllers, Operators and fresh engineers being inducted into Operation and fine-tune their skills in operational emergencies together with tremendous integrated Unit experience, exposure and understanding of normal operations viz., Cold, Warm & Hot Start up processes as well.

2.2.4 Dispatcher Training Simulator (DTS)

The DTS at PSTI Bengaluru is a digital computer based high-fidelity Power System Simulator in which a representative system of National Grid is simulated. It has options for all types of generation like Hydro, Thermal, Nuclear, Gas, Pumped Storage System and for Transmission schemes covering 220 KV & above and also for the various generation voltages. The transmission equipment like Transformers, Transmission lines, Capacitor banks, Bus Line Reactors, SVCs, CBs, isolators etc. are all suitably represented in the simulator. The real-time simulation is carried out for normal and emergency conditions of the network with initial conditions. The behaviour of various Power System elements for different loading conditions can be studied in the Simulator. Time tagged or manual events can be introduced on-line into the Simulator during exercises. Protection schemes could be implemented with the help of voltage relays, frequency relays, rate of change of frequency relays, over current relays etc. Thus the actual system occurrences can be simulated and saved as save cases. Hence, it is a comprehensive training tool for training of Power System and Load Dispatch Engineers and Operators.

2.2.5 Hydro Simulator

NPTI has installed a state of the art real time full scope 250 MW hydro simulator replica of Unit-1 of Nathpa Jhakri Hydro Power Plant at HPTC Nangal. The Simulator has the facility to operate from the conventional panel as well as from the VPC mode of operation.

2.2.6 800 MW Supercritical Thermal Power Plant Simulator

NPTI has set up a Full Scope 800 MW Supercritical Coal Fired Power Plant Training Simulator at its Corporate Centre, Faridabad. This simulator is replica of NTPC's unit #1 of Kudgi Project (3X800 MW) and is fully modular. The simulator consists of a set of operator stations with all operator functions, instructor's station for instructor tasks, multiple virtual controllers to simulate the exact controls of the reference plant, a simulator programming station and HMI stations. The operator interfaces are virtual, identical to those in the plant interfaced with the models in order to provide

the complete look and feel of the plant. The fidelity of the process models provides a realistic response to operator actions whether during normal, upset or emergency operating conditions. The training of plant operators under the variety of conditions provides the required mindset for efficient operation of the plant, which includes developing domain expertise, decision making attitude and maximum availability of the plant in grid connected mode.

2.2.7 DCS based Multi-functional Configured Simulator

NPTI has commissioned 6 more DCS based multi-functional simulators at NPTI Corporate Office Faridabad and its branches at Bengaluru, Nagpur, Durgapur, Alappuzha and Shivpuri in 2019-20. While the simulators at Bengaluru, Nagpur and Durgapur have the 210 MW, 500 MW and 800 MW Thermal Power Plant configuration, the simulators at Alappuzha and Shivpuri are configured with the 210 MW, 500 MW and 800 MW Thermal Power Plant, 250 MW Hydro, SCADA & Smart Grid functionalities. The multi-functional simulator at NPTI Corporate Office is configured with 210 MW, 500 MW Thermal Power Plant, 250 MW Hydro, Combined Cycle Power Plant, SCADA & Smart Grid functionalities. Hands on training on the simulator would give a perfect understanding of integrated operation of the power plant & power system.

Chapter -3

Achievements of NPTI during 2021-22

3.1 Performance Highlights of NPTI

National Power Training Institute's achievements of its various key performance parameters for the year 2021-22 are as follows:

Performance Parameter	Achievements in 2021-22
No.of Trainees	15,209
Trainee-Weeks	34,502
Revenue Rs. In lakhs	2915.02

The Unit-wise Performance of NPTI in respect of the above parameters is given at Annexure - 'B'.

3.2 Major Activities

3.2.1 Training Programs

During the year a number of Academic and Training Programs were organized at NPTI Corporate Office, Faridabad and other Regional Institutes for foreign as well as national client organizations. These Programs have benefited the executives of Power Sector Organizations. Some of the programs conducted at different Institutes of NPTI are as under:

3.2.1.1 NPTI Corporate Office & CAMPS, Faridabad

- **Long Term Training Program**
- **One Year Post Graduate Diploma in Power Plant Engineering**
 - A batch of 36 Graduate Engineers attended the course from 21.09.2020 to 20.09.2021 (Summer Batch)
 - A batch of 8 Graduate Engineers attended the course from 21.02.2021 to 20.02.2022 (Winter Batch)
 - A batch of 52 Graduate Engineers attended the course from 20.09.2021 to 16.09.2022 (Summer Batch)
 - A batch of 19 Graduate Engineers are attending the course from 07.03.2022 to 03.03.2023 (Winter Batch)
- **One Year Post Graduate Diploma in Renewable Energy & Grid Interface Technologies**
 - A batch of 7 Graduate Engineers attended the course from 21.09.2020 to 20.09.2021 (Summer Batch)
- **One Year Post Graduate Diploma in Power Management**
 - A batch of 8 Graduate Engineers attended the course from 20.09.2021 to 16.09.2022 (Summer Batch)
- **Induction Training Program for the Assistant Directors of CEA Batch-V**
 - Induction Training Program for the Assistant Director's of CEA Batch-V was conducted from 15.02.2021 to 31.08.2021
- **Medium- Term Training Course**
 - Four Weeks Summer Internship Program on “Power & Energy Technologies” for B. Tech students from various colleges was conducted from 07.06.2021 to 02.07.2021 for 17 participants.
 - Four Weeks Online Summer Training Program for B. Tech students from various colleges was conducted from 31.05.2021 to 25.06.2021 for 43 participants.
 - 2 weeks Specialist level training program on “Regulatory Framework in Power Sector” was conducted for POSOCO from 05.07.2021 to 17.07.2021 for 39 participants.



- Four Weeks Online Summer Training Program for B. Tech students from various colleges was conducted from 14.06.2021 to 09.07.2021 for 26 participants.
 - 2 weeks CCGT simulator training was conducted for 7 participants of NTPC from 09.08.2021 to 20.08.2021.
 - Four Week Online Summer Training Program on “Power & Emerging Technologies” for B. Tech students from various colleges was conducted from 02.09.2021 to 30.09.2021 for 11 participants.
 - 2 weeks simulator training program was conducted for 8 participants of NTPC from 27.09.2021 to 08.10.2021.
 - 2 weeks Specialist level training program on “Power System Reliability” was conducted for POSOCO (RLDCs & SLDCs) from 05.11.2021 to 11.11.2021 for 13 participants.
 - 2 weeks CCGT Simulator training program was conducted for 5 participants of APGCL from 22.11.2021 to 03.12.2021
- **Short- Term Training Program**
 - One day Skill Development Program was conducted for 40 participants of Rewa Engineering College.
 - 1 week CCGT Simulator Training was conducted from 05.04.2021 to 09.04.2021 for 4 participants of NTPC.
 - One day Investor Awareness Program was conducted for 40 participants from various utilities.
 - 1 week ITEC Program was conducted for 17 participants (Foreign Delegates) of various countries from 23.08.2021 to 27.08.2021.
 - 1 week training program on “Renewable Energy & Emerging Technologies” Batch-I was conducted from 13.09.2021 to 17.09.2021 for 18 participants of SJVNL.
 - 1 week training program on “Renewable Energy & Emerging Technologies” Batch-II was conducted from 20.09.2021 to 24.09.2021 for 19 participants of SJVNL.
 - 1 week ITEC training program on “Next Generation Distribution System transition towards Smart Grid” was conducted from 13.09.2021 to 17.09.2021 for 18 participants (Foreign Delegates) from various countries.

- One day skill development program for B.Tech pursuing students was conducted on 15.09.2021 for 46 Nos. of participants.
- Two Days Training program on “AMI & Smart Metering” was conducted from 22.10.2021 to 23.10.2021 for 12 Nos. of participants from various utilities.
- One Day National Seminar on “Cyber Security” was conducted on 28.10.2021 for 100 participants from various utilities.
- One Day Open session on” Cyber security” was conducted on 30.11.2021, 90+ participants joined the session.
- Two Days Refresher Training Program on “GeM Utility” was conducted from 25.11.2021 to 26.11.2021 for 17 participants from HPGCL.
- Three Days Online Training Program on “Risk Management for Hydro Project” was conducted from 15.11.2021 to 17.11.2021 for 20 participants from NHPC.
- One Day training program on “Smart Metering: Challenges and Applications” was conducted on 15.11.2021 for 104 participants from various utilities.
- One Day Awareness program on “Wealth Maximization” was conducted on 27.11.2021 for 44 participants from various utilities.
- Three Days training program on “Introduction to AMI & Role of AMI in reducing AT&C Losses” was conducted from 20.12.2021 to 22.12.2021 for 37 participants from Haryana State DISCOMs.
- Two Days training program on “Distribution Transformer, New trends, challenges, failure & maintenance” was conducted from 09.12.2021 to 10.12.2021 for 12 participants from DISCOMs.
- Two Days training program on “Design & Implementation of Floating Solar” was conducted from 16.12.2021 to 17.12.2021 for 76 participants from Various Utilities.
- One week training program on “Thermal Power Plant Operation & Maintenance” was conducted from 13.12.2021 to 17.12.2021 for 16 participants from SJVNL.
- Four Days training program on “Cyber Security” was conducted on 10/13/14/15.12.2021 for 86 participants from NHPC.
- One Days Online program on “Sexual Harassment at workplace” was conducted on 09.12.2021 for 90 participants from NPTI.



- SPIC MACAY Program was conducted on 20.12.2021 where 150+ people participated.
- Three Days training program on “Taxation issue in Contract” was conducted from 10.01.2022 to 12.01.2022 for 5 participants from NHDC.
- Five Days training program on “Cyber Security (Theory)” was conducted from 10.01.2022 to 14.01.2022 for 150 participants from Various Utility.
- Five Days training program on “Cyber Security (Hands-On)” was conducted from 24.01.2022 to 28.01.2022 for 20 participants from Various Utility.
- Five Days training program on “Cyber Security (Hands-On)” was conducted from 31.01.2022 to 04.02.2022 for 60 participants from Various Utility.
- One Day training program on “CISO Training Power Sector” was conducted from 03.01.2022 for 103 participants from Various Utility.
- One Day training program on “CISO Training Power Sector” was conducted from 28.01.2022 for 150 participants from Various Utility.
- Two Day training program on “Protection of Consumer Interest” was conducted from 20.01.2022 to 21.01.2022 for 25 participants from Various Utility.
- Two Day training program on “Regulatory Framework” was conducted for 39 participants from Forum of Regulators & Apraava.
- Five Day training program on “NIST,CSF” was conducted from 21.02.2022 to 25.02.2022 for 41 participants from Various Utilities.
- One Week training program on “Cyber Security” was conducted from 07.02.2022 to 11.02.2022 for 40 participants from Various Utility.
- One Week training program on “Cyber Security” was conducted from 14.02.2022 to 18.02.2022 for 40 participants from Various Utilities.
- One Week training program under on “Next Generation Distribution System Transition towards Smart Grid” was conducted from 21.02.2022 to 25.02.2022 for 61 participants (Foreign Delegates) from Various Countries.
- Two Days Training of Trainers program under RDSS was conducted from 24.02.2022 to 25.02.2022 for 115 participants.
- One Week training program on “Cyber Security (Theory)” was conducted from 21.03.2022 to 25.03.2022 for 66 participants from Various Utilities.
- One Week training program on “Cyber Security (Hands-On)” was conducted from 28.03.2022 to 01.04.2022 for 60 participants from Various Utilities.

- One Week ITEC training program on “Recent Trends and Best Practices in Power System operations with Renewable Energy Integration” was conducted from 28.03.2022 to 01.04.2022 for 61 participants (Foreign Delegates) from Various Utilities.
- One Week CCGT Simulator Training was conducted from 07.03.2022 to 11.03.2022 for 05 participants from NTPC-Faridabad.
- Two Days training program on “Regulatory Framework in Power Sector” was conducted from 10.03.2022 to 11.03.2022 for 9 participants from APRAAVA ENERGY.
- One Day training program on “Green Hydrogen” was conducted on 19.03.2022 for 30 participants from NHPC.

3.2.1.2 NPTI (Northern Region), Badarpur, New Delhi

- **Long-Term Training Programs**

- 26 weeks induction training program on “**Operation and Maintenance of Thermal Power Plant**” was conducted from 20.08.21 to 16.02.2022. 88 Nos Trainees from Utility Powertech Limited UPL-Tanda attended the program.

- **Medium-Term Training Programs**

- 4 weeks online Summer Internship Training on “**Advanced Power Generation Technologies**” was conducted from 05.07.21 to 30.07.21 for 19 Nos B. Tech and Diploma Students from various colleges attended the Program.
- 4 weeks online Summer Internship Training on “**Advanced Power Generation Technologies**” was conducted from 02.08.21 to 27.08.21. 35 Nos B. Tech and Diploma Students from various colleges attended the Program.
- 4 weeks online Summer Internship Training on “**Advanced Power Generation Technologies**” was conducted from 06.09.21 to 01.10.21. 66 Nos B. Tech and Diploma Students from various colleges attended the Program.
- 4 weeks online Summer Internship Training on “**Advanced Power Generation Technologies**” was conducted from 17.01.22 to 11.02.22. 10 Nos B. Tech and Diploma Students from various colleges attended the Program.



- **Short-Term Training Programs**

- 3 Days Training Program on “**Roof Top Solar Power Installation and Maintenance**” was conducted from 27.07.21 to 29.07.21. 11 Nos participants from Saraswathi Power and Industries, Hyderabad attended the Program.
- 5 Days Training Program on “**Roof Top Solar Power Installation and Maintenance**” was conducted from 10.08.21 to 14.08.21. 19 Nos participants from Saraswathi Power and industries, Hyderabad attended the Program.
- One day online Training Program on “**Cyber Security Concept**” was conducted on 19.08.21 for 98 Nos Executives of BBMB.
- 3 Days Training Program on “**Roof Top Solar Power Installation and Maintenance**” was conducted from 28.09.21 to 30.09.21. 29 Nos participants from Saraswathi Power and industries, Hyderabad attended the Program.
- One Day Seminar on “**Personality Development**” was conducted on 18.09.2021. 88 Nos Trainees from Utility Powertech Limited UPL-Tanda attended the program.
- One day online Training Program on “**Cyber Security Concept**” was conducted on 27.09.21 for 60 Nos students from DCR University of Science & Technology, Sonipat.
- One day online Training Program on “**Cyber Security Concept**” was conducted on 28.09.21 for 60 Nos students from DCR University of Science & Technology, Sonipat.
- One Day Seminar on “**Etiquettes Life’s and Social Skills**” was conducted on 18.09.2021. 88 Nos Trainees from Utility Powertech Limited UPL-Tanda attended the program.
- 3 Days Training Program on “**Roof Top Solar Power Installation and Maintenance**” was conducted from 11.11.21 to 13.11.21. 74 Nos participants from Saraswathi Power and industries, Hyderabad attended the Program.
- 5 days Onsite Training Program on “**Distribution Maintenance**” was conducted at Northern Coalfields limited, Singrauli from 21.02.22 to 25.02.22. 30 Nos Sr Executives attended the Training Program.

- 5 Days Training Program on “**Roof Top Solar Power Installation and Maintenance**” was conducted from 08.03.22 to 12.03.22. 27 Nos participants from Saraswathi Power and industries, Hyderabad attended the Program
- 2 weeks Training program on “**Ground Mounted Solar Power Installation and Maintenance**” was conducted on 28.03.22 to 08.04.22 for 10 Sr Executives from BSPHCL.
- **National Mission on Use of Biomass in Thermal Power Plant**
 - One Day Awareness Workshop on “**National Mission on Use of Biomass in Thermal Power Plant**” was conducted on 08.10.21 at NPTI, HQ, Faridabad. 69 Nos farmers attended the Awareness Workshop.
 - One Day Hybrid Mode Awareness Workshop on “**National Mission on Use of Biomass in Thermal Power Plant**” was conducted on 25.11.21 at NPTI, NR. 107 manufacturers attended the offline/online Awareness Workshop.
 - One Day Online Awareness Workshop on “**National Mission on Use of Biomass in Capacity Building Thermal Power Plant**” was conducted on 27.01.22. 125 Nos pellet Manufacturers attended the online Awareness Workshop.
 - One Day Awareness Workshop on “**National Mission on Use of Biomass in Thermal Power Plant**” was conducted on 23.02.22 at Baghpat, Haryana 130 Nos farmers attended the Awareness Workshop.
 - One Day Awareness Workshop on “**National Mission on Use of Biomass in Thermal Power Plant**” was conducted on 25.03.22 at Palwal, Haryana 80 Nos farmers attended the Awareness Workshop.
- **Training and Capacity Building for DISCOM Executives/AEs/ JEs under Revamped Distribution Sector Scheme (RDSS)**
 - 03-Days Non-Residential Training Program for Jr. & Middle Management level employees on “**Introduction to AMI and role of AMI in reducing AT&C losses**”, at the DVVNL, Agra from 07.02.2022 to 09.02.22. 40 Executives attended the program.
 - 03-Days Non-Residential Training Program for Jr. & Middle Management level employees on “**Introduction to AMI and role of AMI in reducing AT&C losses**”, at the NDMC, New Delhi from 22.03.2022 to 24.03.22. 27 Nos. Executives attended the program.

- **Other Activities**

- **Technical Advisory Board, meetings** Were Held on **5.08.21** and **16.02.22** to enhance the training Area and Quality and CEA Regulation 2010, regarding measures related to Safety and Supply of Electricity, through separate Gazette Notification, making mandatory training for all TPP (O&M) officials, minimum one week / year for every official on nomination basis. This will reduce the accidents hazards and optimize the O & M costs of TPP.
- **Hindi Pakhwara** was celebrated in the Institute from 13.09.21 TO 27.09.21 Most of the faculty members, staff & students of different courses participated in various activities.
- Several meetings between RRVUNL and Badarpur officers were held to finalize the 8 weeks Training program on “O & M Thermal power Plant” for 628 newly recruited AEs/JEs, RRVUNL.
- Several meetings were held between BSES and NPTI, NR for Electricity connection of 200 KW provided by BSES Rajdhani Power Ltd.
- Several online meetings were held to finalize the 14 weeks Training Program on “O & M Thermal power Plant” for UPRUVL Newly recruited AEs.
- Several meetings were held between BEE, CPWD, NPC, NBCC and NPTI, NR officer for **Proposed Advanced Industrial Technology Demonstration Centre at Delhi (AITDC)**
- Several online/offline meetings were held with GM, BSPHCL and NPTI, NR for Sr Executives of BSPHCL for “**Ground Mounted Solar Power Installation and Maintenance**”

3.2.1.3 NPTI (Power System Training Institute), Bengaluru

- **Long Term Training Programs**
- **26 Weeks Post Graduate Diploma Course (PGDC) in Transmission and Distribution Systems.**
 - NPTI (PSTI), Bangalore conducted 26 Weeks PGDC in Transmission and Distribution Systems, Batch XXX with 12 trainees from 21.12.2020 to 18.06.2021. Sh. B. Venkata Subbaiah, Dy. Director was the coordinator of the course. 11 trainees have been successfully placed.

- The 26 Weeks PGDC in Transmission and Distribution Systems, Batch XXXI was commenced on 15th December, 2021 with 15 trainees. The PGD Course got completed on 28th June, 2022. B. Venkata Subbaiah, Dy. Director was the coordinator of the course. 14 trainees have been successfully placed.



RDSS Program for TSNPDCL, Warangal Engineers.

- **52 Weeks Post Graduate Diploma Course (PDC) in Smart Grid Technologies**
 - The 52 Weeks PGDC in Smart Grid Technologies, Batch I has started on 15th March, 2021 with 09 trainees. Later 01 trainee discontinued the course. The course was successfully completed on 11.03.2022. All the students have been placed successfully.
- **Short Term Training Programs**
 - 3 Days On-line Short Term Course on Power System Communications - SCADA & EMS was conducted from 21.06.2021 to 23.06.2021. 14 Engineers from different utilities attended the Training Program.



- 3 Days off-line Short Term Course on Electrical Safety and Inspection of Electrical Installations, Accidents Prevention, Recent Trends was conducted from 16.08.2021 to 18.08.2021. 15 Engineers from KPTCL attended the Training Program.
- 5 Days off-line Short Term Training Program on Grid Management for 25 Asst. Directors of CEA was conducted from 16th to 20th August, 2021.
- 3 Days off-line Short Term Course on Power Quality, Harmonics Mitigation and Reactive Power Management was conducted from 13.09.2021 to 15.09.2021. 07 Engineers from different utilities attended the Training Program.
- 4 Days On-line Short Term Course on Advanced Power System Protection for the Engineers of Goa Electricity Company was conducted from 27.09.2021 to 30.09.2021. 39 Engineers from Different Utilities attended the Training Program.
- 3 Days On-line Short Term Course on Advanced Power Plant Chemistry applications to Thermal Power Plant was conducted from 27.10.2021 to 29.10.2021. 09 Engineers from Different Organizations attended the Training Program.
- 3 Days off-line Short Term Course on Transformer and Switchgear Maintenance was conducted from 07.12.2021 to 10.12.2021. 12 Engineers from Different Utilities attended the Training Program.
- One Day On-line Training program on Power Quality Measurements was conducted on 22nd February, 2022. 19 Participants from various utilities participated in the Training Program.
- 3 Days On-line Short Term Course on Statistical Data Analytics with hands on using R was conducted on 23.02.2022 to 25.02.2022. 10 Engineers from Utilities attended the Training Program.
- **On-line Training Programs for Power System Operators**
 - 06 Days On-line Short Term Refresher Course on Power System Operation was conducted from 05th to 10.04.2021. 98 Power Systems Operators from different RLDCs/SLDCs have participated in the Training Program.
 - 12 Days On-line Short Term Course on Power System Reliability has been conducted from 21.06.2021 to 07.07.2021. 37 Power Systems Operators from different RLDCs/SLDCs have participated in the Training Program.

- 12 Days On-line Short Term Course on Power Market Specialist has been conducted from 26.07.2021 to 07.08.2021. 36 Power Systems Operators from different RLDCs/SLDCs have participated in the Training Program.
- 18 Days On-line Short Term Course on Basic Level Training Program for Power System Operators was conducted from 23.08.2021 to 11.09.2021. 46 Power Systems Operators from different RLDCs/SLDCs have participated in the Training Program.
- 18 Days On-line Short Term Course on Basic Level Training Program for Power System Operators was conducted from 15.11.2021 to 04.12.2021. 36 Power Systems Operators from different RLDCs/SLDCs have participated in the Training Program.
- 06 Days On-line Short Term Course on Refresher Course on PSO was conducted from 13.12.2021 to 18.12.2021. 147 Power Systems Operators from different RLDCs/SLDCs have participated in the Training Program.
- 12 Days On-line Short Term Course on Renewable Energy Sources and Grid Integration was conducted from 07.03.2022 to 18.03.2022. 21 Power Systems Operators from different RLDCs/SLDCs have participated in the Training Program.
- 05 Days off-line Short Term Course on Hand on Training on “PSSE” was conducted from 21.03.2022 to 25.03.2022. 08 Power Systems Operators from different RLDCs/SLDCs have participated in the Training Program.
- 06 Days On-line Short Term Course on Refresher Course on PSO was conducted from 28.03.2022 to 01.04.2022. 53 Power Systems Operators from different RLDCs/SLDCs have participated in the Training Program.
- **On-line ATAL Program for the Faculties/ Research Scholars of Various Engineering Institutes**
 - 05 Days ATAL Program on EV Charging was conducted from 26.07.2021 to 30.07.2021. 133 Faculties/ Research Scholars of Various Engineering Institutes attended the Training Program.
 - 05 Days ATAL Program on Smart Cities was conducted from 02.08.2021 to 08.08.2021. 120 Faculties/ Research Scholars of Various Engineering Institutes attended the Training Program.
 - 05 Days ATAL Program on Energy Storage System was conducted from 24.09.2021 to 28.09.2021. 45 Faculties/ Research Scholars of Various Engineering Institutes attended the Training Program.



- 05 Days ATAL Program on Data Science was conducted from 06.12.2021 to 10.12.2021. 43 Faculties/ Research Scholars of Various Engineering Institutes attended the Training Program.
- 05 Days ATAL Program on Cyber Security was conducted from 21.02.2022 to 25.02.2022. 80 Faculties/ Research Scholars of Various Engineering Institutes attended the Training Program.

- **On-line Training Program on Cyber Security**

- 05 Days on-line Training Program on Cyber Security for Grid Operation and Management was conducted from 05.07.2021 to 09.07.2021. 82 Power Systems Operators from different RLDCs/SLDCs participated in the Training Program.
- 01 Day on-line Training Program on Recent Challenges in Securing Critical Infrastructure against Cyber Threats' was conducted 29.11.2021. 141 Power Professionals, Faculties from various Institutes participated in the Training Program.
- 05 Days on-line Training and Certification Program on Cyber Security was conducted from 31.01.2022 to 04.02.2022. 76 participants from various Utilities, PSO from SLDC participated in the training program.
- 05 Days on-line Hands-on Training Program on Cyber Security was conducted from 07.02.2022 to 11.02.2022. 20 participants from various Utilities, PSO from SLDC participated in the training program
- 05 Days on-line Training and Certification Program on Cyber Security was conducted from 14.02.2022 to 18.02.2022. 39 participants from various Utilities, PSO from SLDC participated in the training program

- **On-line/ Off-line Internship Program for Undergraduate Engineering Students**

- 05 Days off-line Internship Program for the students of SRIT, AP was conducted from 15.11.2022 to 19.11.2022. 86 students of 07th Semester EEE participated in the Internship Program.
- 05 Days on-line Internship Program on "IoT: Applications in Power & Energy Sectors" for the students of SRIT, AP was conducted from 14.02.2022 to 18.02.2022. 10 students from EEE participated in the Internship Program.

- 05 Days off-line Internship Program on Hand on Training on “ IoT”: Application to Power and Energy Sectors” for the students of SRIT, AP was conducted from 21.03.2022 to 25.03.2022. 21 students of 07th Semester EEE participated in the Internship Program.
- **Multi-Function Simulator Laboratory/ DTS Laboratory/ Power System Laboratory etc.**
 - 2 Weeks Multifunction Simulator Training for 17 Trainees of PDC in PPE from NPTI (SR), Neyveli was conducted from 15.11.2021 to 26.11.2021.
 - 2 Weeks Multifunction Simulator Training for 30 Trainees of PGDC in PPE from NPTI (SR), Neyveli was conducted from 28.02.2022 to 11.03.2022.
 - 2 Weeks DTS, Power System Lab and HV Lab. for 05 trainees of NPTI, WR, Nagpur was conducted from 28.02.2022 to 11.03.2022.
- **RDSS Program**
 - 5 Days on-site Training Program under RDSS scheme on Introduction to AMI and the Role of AMI in reduction of AT & C Losses for 40 Engineers of TSSPDCL, Hyderabad was conducted from 18.01.2022 to 20.01.2022 at Hyderabad.
 - 5 Days on-site Training Program under RDSS scheme on Introduction to AMI and the Role of AMI in reduction of AT & C Losses for 40 Engineers of HESCOM Engineers of Hubli was conducted from 22.02.2022 to 24.02.2022.
 - 5 Days on-site Training Program under RDSS scheme on Introduction to AMI and the Role of AMI in reduction of AT & C Losses for 40 Engineers of TSNPDCL, Warangal was conducted from 09.03.2022 to 11.03.2022.
 - 5 Days on-site Training Program under RDSS scheme on Introduction to AMI and the Role of AMI in reduction of AT & C Losses for 40 Engineers of MESCOM Engineers, Mangaluru was conducted from 13.03.2022 to 17.03.2022.
 - 5 Days on-site Training Program under RDSS scheme on Introduction to AMI and the Role of AMI in reduction of AT & C Losses for 40 Engineers of APEPDCL Engineers, VIZAG was conducted from 21.03.2022 to 23.03.2022.



- 5 Days on-site Training Program under RDSS scheme on Introduction to AMI and the Role of AMI in reduction of AT & C Losses for 40 GOA Electricity Dept. Engineers, was conducted from 29.03..2022 to 31.03.2022.
- 5 Days on-site Training Program under RDSS scheme on Introduction to AMI and the Role of AMI in reduction of AT & C Losses for 40 Engineers of TSSPDCL Engineers, Hyderabad was conducted from 28.03.2022 to 30.03.2022.

3.2.1.4 NPTI (Eastern Region), Durgapur

- **Long-Term Training Programs**

- **PGDC-PPE 25th batch**

- 8 trainees have undergone Sem 1 training from 15.10.20 to 14.04.21
- 8 trainees have undergone Sem 2 training from 15.04.20 to 14.10.21

- **PGDC-PPE 25th batch**

- 11 trainees have undergone Sem 1 training from 01.12.20 to 30.06.21
- 11 trainees have undergone Sem 2 training from 01.07.21 to 30.11.21

- **PGDC-PPE 26th batch**

- 14 trainees have undergone Sem 1 training from 27.09.21 to 26.03.22

- **PGDC-PPE 24th batch**

- 25 trainees have undergone Sem 1 training from 04.10.21 to 03.04.22

- **PGDC (T&D)**

- 8 trainees have undergone training from 30.11.21 to 29.05.22

- **Medium-Term Training Program**

- **DDUGKY- Solar PV Installer course for PBSSD/MoRD**

- Batch -1 of 35 Trainees have undergone training from 10.02.22 to 09.06.22
- Batch -2 of 35 Trainees have undergone training from 10.02.22 to 09.06.22
- Batch -3 of 35 Trainees have undergone training from 10.02.22 to 09.06.22
- Batch -4 of 35 Trainees have undergone training from 10.02.22 to 09.06.22



2-day National Conference on “Regulatory Framework in Electricity Industry in India -Challenges, Governance & Future Roadmap” from 23-24 March 2022 at Bhubaneswar (Odisha)

- **Short-Term Training Program**

- Skill Development program on Basic of SPV System conducted for 41 trainees of ITI Khargpur from 05.04.21 to 07.04.21
- Skill Development program on Solar Power Generation Technology conducted for 41 trainees of ITI Khargpur from 08.04.21 to 11.04.21
- Skill Development program on Welding Practice training conducted for 41 trainees of ITI Khargpur from 12.04.21 to 15.04.21
- Upskilling training for first batch of 25 candidates under IRISE Project conducted for 25 trainees of Form different Engineering colleges from 05.04.21 to 15.04.21
- On-Line Webinar on “Ethical Hacking-Tools, Techniques & Procedure” conducted for 27 trainees from different Engineering colleges from 27.05.21 to 27.05.21
- On-line Summer Training on “Power Generation, Transmission & Distribution Technology” conducted for 179 trainees of Form different Engineering & Diploma colleges from 24.05.21 to 18.06.21
- On-line Summer Training on “Power Generation, Transmission & Distribution Technology” conducted for 69 trainees from different Engineering & Diploma colleges from 07.06.21 to 01.07.21



- Online Training Program “Cyber Security Audit - Tools, Techniques, procedure & Threats in Network and Industrial Control System” training for 69 trainees of Power Utilities from 23.06.21 to 23.06.21
- Awareness Program on “Regulation, Power Purchase Sale & ABT/ Intrastate ABT & Statutory/Legal Requirement in Power Biz” training for 30 trainees of MPL-TATA Power from 25.06.21 to 25.06.21
- On-line Summer Training on “Power Generation, Transmission & Distribution Technology- Slot-3 training for 109 trainees of Form different Engineering & Diploma colleges from 28.06.21 to 23.07.21
- Vibration Diagnostics & Fault Analysis training for 3 trainees of BPSCL & RGTPP from 13.07.21 to 14.07.21
- SPM, Sox &NOx Control Techniques training for 4 trainees of BPSCL & RGTPP from 19.07.21 to 20.07.21
- Emergency Handling of TPP & Power Plant Safety training for 8 trainees of BPSCL & RGTPP from 26.07.21 to 27.07.21
- Online Program on Environmental Issues & FGD Technology for 9 trainees of BPSCL, RGTPP, MITSUBISHI POWER INDIA PVT LTD, OPGC & DVC-DTPS from 03.08.21 to 04.08.21
- On-line Summer Training on “Power Generation, Transmission & Distribution Technology- Slot-4 for 44 trainees of Form different Engineering & Diploma colleges from 19.07.21 to 13.08.21
- Advance Automation in Hydro Power Plant training for 34 trainees of OHPC, THDC INDIA, BBMB, MPGCL, KSEBL, Dept. of Hydro Power Development, Govt. of Arunachal Pradesh, NTPC, MIT (Gwalior), etc. from 26.08.21 to 27.08.21
- Power Plant Familiarization training for 4 trainees of NTPC-SAIL from 23.08.21 to 28.08.21
- Potential Hazards in Thermal Power Station training for 14 trainees of NTPC-SAIL from 24.08.21 to 24.08.21
- Fire Hazards in Power Plant training for 16 trainees of NTPC-SAIL from 28.08.21 to 28.08.21
- Power Generation, Transmission and Distribution Technology (Slot-5) training for 57 trainees of From Various Engineering colleges of India from 23.08.21 to 17.09.21
- O&M Training for Steam Generator System, Harduaganj 1x660MW TPS, UPRVNL personnel’s training for 10 trainees of M/s, Doosan Power System India Ltd. from 15.09.21 to 21.09.21

- Dam Safety & Risk Mitigation Techniques in Hydro Power / Irrigation Projects” training for 44 trainees of JSW, TSDC, MP Power, KSEB, JVBN, MANIT, BIT etc. from 20.09.21 to 21.09.21
- Latest Trends in 33/11 KV Distribution & its Protection System training for 9 trainees of Ms, Ananda Bazar Patrika Pvt. Ltd from 20.09.21 to 24.09.21
- Training Program on Renewable Energy Sources and its Conversion for 26 trainees of BCET & B C Roy Engineering College from 20.09.21 to 01.10.21
- Best O&M Practices for Gas Turbine training for 34 trainees of BIST, NIT Delhi, National Fertilizers Ltd., ONGC Tripura, BIT Meshra, Maulana Azad National Institute of Technology Bhopal etc. from 27.09.21 to 29.09.21
- Fault Diagnosis & Power System Protection Schemes with Advance Relays training for 12 trainees of SLDC, OHPC, BBMB & some B.Tech. & Diploma Student from 07.10.21 to 08.10.21
- On-line Summer Training on “Power Generation, Transmission & Distribution Technology- Slot-6 for 14 trainees of Form different Engineering & Diploma colleges from 18.10.21 to 12.11.21
- Cyber Security in Hydro Power Plant training for 23 trainees of OHPC, NHPC, THDC, MPPGCL from 25.10.21 to 26.10.21
- Essential Cyber Security on Power Plant training for 10 trainees of HINDALCO, Netizen Engineering Pvt. Limited, TVNL. from 27.10.21 to 28.10.21
- Power Purchase Sale & ABT / Intrastate ABT & Regulatory Frame Work for Power Sector training for 18 trainees of MPL (A JV of DVC & Tata Power) from 29.10.21 to 29.10.21
- 210 MW Simulator Training for 4 trainees of NSPCL from 15.11.21 to 20.11.21
- Up-skilling Suryamitra on “Solar PV Port training for 26 trainees of Suryamitra Pass Out Candidates from 22.11.21 to 03.12.21
- Power Generation Technology including 800MW Simulator training for 30 trainees of DTET, Govt. of Odisha from 22.11.21 to 03.12.21
- Saksham-Skill Development Training Programs for Welders on “Welding Practice for 12 trainees of NSPCL from 23.11.21 to 25.11.21
- Vibration Diagnostics and Fault Analysis training for 5 trainees of BPSCCL from 23.11.21 to 25.11.21



- Turbine RLA, Governing & Retrofitting” training for 19 trainees of OPGCL from 25.11.21 to 26.11.21
- Workshop on “Behavioral based Safety” training for 8 trainees of NSPCL from 26.11.21 to 26.11.21
- Renovation Modernization, Updating of Hydro Power Plant (Online) training for 20 trainees of NHPC, NEEPCO, THDC, GHPPL, BBMB from 29.11.21 to 01.12.21
- Common Industrial Health Hazards training for 10 trainees of NSPCL from 10.12.21 to 10.12.21
- Safe Handling Procedures in Mechanical/Electrical (Rotary & Static) training for 7 trainees of NSPCL from 17.12.21 to 17.12.21
- Online Regulatory Frameworks of Power Sector training for 40 trainees of DVC from 20.12.21 to 21.12.21
- Hydro Power Generation Technology: Latest Approach to its Operation & Control training for 22 trainees of UJVNL, BBMB, THDC from 27.01.22 to 28.01.22
- RDSS Program- Introduction of AMI and role of AMI in reducing AT&C losses training for 40 trainees of JBVNL (Jharkhand) from 09.02.22 to 11.02.22
- Online Training program on “Turbo Generator Stability & Reactive Power Control” for 31 trainees of KSEBL, DVC, OPGC, UGMIT from 10.02.22 to 11.02.22
- Coal Characteristics, Mill Performance, Blending, Combustion & Optimization training for 30 trainees of DVC from 10.02.22 to 11.02.22
- Recent Trends in Water Chemistry training for 9 trainees of NSPCL from 11.02.22 to 11.02.22
- Condition Monitoring through Vibration Analysis training for 11 trainees of NSPCL from 18.02.22 to 18.02.22
- One Day Capacity Building Program on Biomass Pellets Co-Firing in TPS. for 187 trainees of From Different Power Utilities from 18.02.22 to 18.02.22
- RDSS Program- Introduction of AMI and role of AMI in reducing AT&C losses for 40 trainees of TSECL (Tripura) from 21.02.22 to 23.02.22
- Recent Trends in Environmental Regulation in Thermal Power Plant Generation training for 9 trainees of NSPCL from 22.02.22 to 22.02.22
- FGD Technology training for 9 trainees of NSPCL from 26.02.22 to 26.02.22

- Power Plant Familiarization & Power Plant Operation training for 20 trainees of DVC-MTPS from 21.02.22 to 04.03.22
- Store Management training for 14 trainees of DVC-MTPS from 28.02.22 to 04.03.22
- RDSS Program -Introduction of AMI and role of AMI in reducing AT&C losses for 40 trainees of JBVNL (Jharkhand) from 02.03.22 to 04.03.22
- Optimization of Power Plant water Consumption training for 17 trainees of NSPCL from 04.03.22 to 04.03.22
- Normal Operation and Troubleshooting of Steam Turbine-Case Studies training for 11 trainees of NSPCL from 05.03.22 to 05.03.22
- RDSS Program -Introduction of AMI and role of AMI in reducing AT&C losses for 40 trainees of Power Department, Govt. of Sikkim from 09.03.22 to 11.03.22
- Lubricating Oil Consumption Optimization training for 16 trainees of NSPCL from 11.03.22 to 11.03.22
- Power Plant Familiarization & Power Plant Operation training for 17 trainees of DVC-MTPS from 14.03.22 to 25.03.22
- Skill Development Program on “Domestic Electrician” training for 20 trainees of NSPCL-CSR from 08.02.22 to 07.03.22
- Skill Development Program on “Suryamitra Solar PV Installer - Electrical” for 20 trainees of NSPCL-CSR from 08.02.22 to 07.03.22
- Skill Development Program on “MS-Office & DTP” for 20 trainees of NSPCL-CSR from 16.02.22 to 15.03.22
- Skill Development program on “Boiler and its Auxiliaries” for 23 trainees of Kharagpur Private ITI from 14.03.22 to 17.03.22
- Zero Accident Mindset to Protect Personnel, Environment and Equipment training for 9 trainees of NSPCL from 16.03.22 to 16.03.22
- Pulveriser performance optimization training for 17 trainees of NSPCL from 18.03.22 to 18.03.22
- Skill Development program on “Turbine and its Auxiliaries” for 23 trainees of Kharagpur Private ITI from 21.03.22 to 23.03.22
- Skill Development program on “Transmission & Distribution Equipment” for 23 trainees of Kharagpur Private ITI from 24.03.22 to 26.03.22



Inaugural address for participants of 12 Weeks Solar PV installer Program

- Unit Extreme Emergency Handling training for 22 trainees of NSPCL from 25.03.22 to 25.03.22
- UPNEDA training for 2138 trainees of Schools Students from U.P. from 01.03.22 to 31.03.22

• List of Workshops / Seminars

- From Various Power Sector Organizations attended National Conference on “Regulatory Framework in Electricity Industry in India -Challenges, Governance & Future Roadmap” at Bhubaneswar from 23.03.22 to 24.03.22

• Visits of Dignitaries, Important People, Guest etc.

- Advisory Board Meeting of NPTI (Eastern Region) Durgapur held on 10.08.2021. The meeting was attended by Sh Kaushal Kishore, GM & BUH, NSPCL, Sh Ashok Sarker, AGM (O&M), NTPC, Dr P.K.Mohanty, Director(HR), OHPC, Dr Prabodh Bajpai, IIT Kharagpur, Mrs Sujata Dutta, GM(HR&A), WBSETCL, Sh.R.R.Sinha, CGM(P&A) BPSCL, Sh .Manoj Kr. Karmali, ED(Operations) JUSNL, Sh.Rabin Ray, Director, Suncraft Energy, Sh Swapan Roy, Supt. Engineer(Admn.) ERPC- CEA, Sh. M.P. Yadav, Suptd. Engineer & DGM(Trg.), JUVNL , Sh. Abir Atarthy, Cyber Experts and Sh. S.K.Srivastava, Director and his team members.

- A meeting between NPTI (Eastern Region) & DTET, Govt. of Odisha held on 07.10.2021 in online mode to explore possibilities to join hands together for mutual benefits of both the organizations. The meeting was attended by Sh. Reghu G, IAS, Director, DTET & his team from Govt. of Odisha and Sh. S.K. Srivastava, Director & team from NPTI (ER) .
- A team of from DTET, Govt. of Odisha headed by Sh. A.K.Panda, Dy. Director (MPP) visited institute on 29/10/2021 to discuss regarding training for their faculty members of various technical institutions, in the areas of Thermal/Hydro Technology including RES and T&D. They also interacted with trainees and seen the training facilities available in the institute.
- Sh. Kaushal Kishore, General Manager & Business Unit Head, NSPCL visited this institute on 16.02.2022, and inaugurated training programs under Corporate Social Responsibility (CSR) of NTPC-SAIL. In 3 (three) training programs each of 1-Month duration, a total of 60 unemployed youth (Boys-40 & Girls-20) attended the program.
- Dr. Tripta Thakur, Director General, NPTI visited Durgapur Institute on 7th March 2022. She was warmly welcomed by Institute Director Sh.S.K.Srivastava and all Officers.
- NPTI (Eastern Region), Durgapur in association with Eastern Regional Load Despatch Centre (POSOCO) and Odisha Hydro Power Corporation Ltd organised a 2-day National Conference on “Regulatory Framework in Electricity Industry in India -Challenges, Governance & Future Roadmap” from 23-24 March 2022 at Bhubaneswar. The program started with lighting of Lamp and inaugurated by Sh. Shishir Sinha, IAS (Retd.), Chairman, Bihar Electricity Regulatory Commission. The Principal Secretary (Energy), Govt. of Odisha, Sh. Nikunja B. Dhal, IAS delivered Key-note Address. Conference Souvenir was released by Dr. Tripta Thakur, DG-NPTI and delivered presidential address. Function was also attended by Sh. N.S. Mondal, Member Secretary, ERPC, CEA, Sh. Ratish Kumar, Former Director (Projects) & CMD Additional Charge- NHPC Ltd., Sh. P. K. Mohapatra, Managing Director, OPGC Ltd., Sh. S.S. Barpanda, Director (Market Operation), NLDC/POSOCO, Sh. J. Bandopadhyay, Advisor (Engg.), WBERC and many others. The Convenor of the Conference Sh. S.K. Srivastava, Director, NPTI welcomed all Guests and participants. More than 120 delegates from all leading power sector organisations across the country such as OHPC, NTPC, NHPC, POWERGRID, DVC, OPTCL, GRIDCO, OPGC, GMR, NLC, NSPCL, BPSCL, HINDALCO, TATA POWER, WBPDC, Tessa Urja and NALCO participated in the Conference.

- **Faculty Deputations to Training Programs along With Program Attended, Period of Deputation etc.**

Sh. Sanjay Kumar, DD & Sh. Anuj Pathak, AD nominated to attend Basic Level Certification Course on Cyber Security from 10-01.2022 to 14.01.2022 organized by NPTI HQ in online mode.

3.2.1.5 NPTI (North Eastern Region), Guwahati

- **Short & Medium-Term Courses**

- One-week refresher training program on “Power System Operations” for 07 nos. of Engineers of North Eastern Regional Load Dispatch Centre (NERLDC) from 13.12.2021 to 18.12.2021.
- Two days’ training program on “SCADA & Cyber Security” for 20 nos. of Executives Assam Electricity Grid Corporation Ltd. (AEGCL) from 10.02.2022 to 11.02.2022.
- Two days’ training program on “Power Safety” for 24 nos. of officials of Assam Electricity Grid Corporation Ltd. (AEGCL) from 17.02.2022 to 18.02.2022.
- One-week training program on “Industrial Safety” for 10 nos. of officials from Indian Oil Corporation Ltd., Assam Electricity Grid Corporation Ltd. from 21.03.2022 to 25.03.2022.
- Three months training program on “Boiler Attendant” for 04 nos. of officials from North Eastern Electric Power Corporation (NEEPCO) from 28.02.2022 to 27.05.2022.
- Three days’ training program on “Transmission Line Fault analysis” for 07 nos. of Engg. & Supervisors of North East Transmission Company Ltd. (NETC) from 03.03.2022 to 05.03.2022.
- Three days’ onsite training program on “Introduction of Advanced Metering Infrastructure (AMI) and Role of AMI in reducing AT&C Losses” for 40 nos. of Engineers of Assam Power Distribution Company Ltd. (APDCL) from 09.03.2022 to 11.03.2022.



Mock Drill Training Conducted on 25.03.2022 during one week training on Disaster Management from 21.03.2022 to 25.03.2022

- Three days' onsite training program on "Introduction of Advanced Metering Infrastructure (AMI) and Role of AMI in reducing AT&C Losses" for 40 nos. of Engineers of Assam Power Distribution Company Ltd. (APDCL) from 14.03.2022 to 16.03.2022.
- One-week training on "Disaster Management" for 09 nos. of Executives from Indian Oil Corporation, Assam Power Generation Corporation Ltd. from 21.03.2022 to 25.03.2022.
- Two days' online training program on "Tuning of Industrial Control System" for 10 nos. Engineers of Tata Power from 21.03.2022 to 22.03.2022.
- One day training program on "Office Procedures, Disciplinary Proceedings" for 27 nos. of Executives of Assam Electricity Grid Corporation Ltd. on 30.03.2022.
- Two weeks Internship Program on "Solar PV Technology" for 08 nos. of Diploma Engg. students of Nowgong Polytechnic, Nagaon from 19.04.2021 to 29.04.2021.

- Four weeks online Internship program on “Power Generation Technologies and Emerging Trends” for 100 nos. of students of National Institute of Technology, Arunachal Pradesh from 14.06.2021 to 19.07.2021.
- Four weeks online Internship program on “Power Generation Technologies and Emerging Trends” for 79 nos. of students of Golaghat Engg. College, Golaghat from 05.07.2021 to 30.07.2021.
- Four weeks online Internship program on “Power Generation Technologies and Emerging Trends” for 25 nos. of students of North Eastern Engg. Colleges from 16.08.2021 to 10.09.2021

• **Workshop/Seminars:**

- One day Webinar on “Career in Power Sector” for 100 nos. of Pre-final Engg. students of Assam Engineering College (AEC), Jorhat Engineering College (JEC) & Golaghat Engineering College. (GEC), Golaghat was conducted on 29.09.2021



Two days' Program on SCADA & Cyber Security for 20 Officers of Assam Electricity Grid Corporation Ltd. on 10.02.2022 & 12.02.2022

- One day Webinar on “Career in Power Sector” for 200 nos. of Pre-final Engg. students of Assam Engineering College (AEC), Jorhat Engineering College (JEC) & Golaghat Engineering College. (GEC), Golaghat was conducted on 07.10.2021.
- One day Webinar on “Career in Power Sector” for 152 nos. of Pre-final Engg. students of Assam Engineering College (AEC), Jorhat Engineering College (JEC) & Golaghat Engineering College. (GEC), Golaghat, Deptt. of Energy, North Eastern Hill University, was conducted on 07.10.2021.
- Two batches of Suryamitra re-skilling program for 47 nos. of certified Suryamitra Students sponsored by Sector Skill Council for Green Jobs, New Delhi from 27.09.2021 to 08.10.2021 & 23.11.2021 to 03.12.2021 respectively.
- **Visit of Important Dignitaries:**
 - Shri. Nabarun Roy, Chief General Manager, NERLDC, Power System Operation Corporation Ltd., Shillong visited NPTI (NER), Guwahati on 27.11.2021 related to conducting of refresher course on “Power System Operation” training Course.
 - Smti. Kalyani Baruah, Director General (Training & Policy), Assam Power Distribution Company Ltd. (APDCL) visited NPTI (NER), Guwahati on 22.02.2022 for discussing various training needs of APDCL
- **Important Events:**
 - “International Day of Yoga” (IDY 2021) was celebrated and observed on 21.06.2021.
 - “Independence Day” was observed and celebrated on 15-August-2021 at the Institute. The National Flag is hoisted by Shri J. Jayasamraj, Director in presence of all officers, officials and trainees and family members.
 - “Hindi Pakhwada 2021” was being observed in this Institute from 14.09.2021 to 29.09.2021.
 - “E-Pledge on Vigilance Awareness” was taken by Officers of Institute from 26.10.2021.
 - “Republic Day” was observed on 26.01.2022 at NPTI-NER. The National Flag was hoisted by Shri J. Jayasamraj, Director in presence of all officers, officials and trainees of the Institute.



3.2.1.6 NPTI (Western Region), Nagpur

- **Long-Term Course**
- **One Year Post Graduate Diploma in Power Plant Engineering**
- **One Year Post Graduate Diploma Course in Power Plant Engineering for Engineers (25th (Summer) PGDC - PPE)**
 - One batch of 26 students completed in the month of September 2021.
- **One Year Post Graduate Diploma Course in Power Plant Engineering for Engineers (25th (Winter) PGDC - PPE)**

One batch of 07 students completed in the month of February 2022.
- **26 Weeks Post Graduate Diploma Course in Transmission & Distribution System (17th PGDC - T&D).**
 - One batch of 04 trainees completed in the month of May 2021.
- **One Year Post Graduate Diploma Course in Power Plant Engineering for Engineers (26th (Summer) PGDC & 20th PDC - PPE)**
 - One batch of 26 students started in the month of September 2021.
- **26 Weeks Post Graduate Diploma Course in Transmission & Distribution System (18th PGDC - T&D).**
 - One batch of 8 trainees completed in the month of April 2022.
- **One Year Post Graduate Diploma Course in Power Plant Engineering for Engineers (26th (Winter) PGDC & 20th PDC - PPE)**
 - One batch of 26 students started in the month of March 2022.
- **Medium-Term Course**
 - 14 Weeks Medium Term program for Junior Engineers Trainees (JETs) of MPPGCL from 01.06.21 to 03.09.21. Total 40 Engineers attended the programs.
- **Short-Term Course**
 - Two Days Short Term Program on “Solar Power & Grid Integration” conducted for 9 Students from 15.07.21 to 16.07.21.

- Three Days Short Term Program on “Operation, Maintenance and Testing of Power Transformer” conducted for 14 Engineers from MOIL Nagpur from 04.10.21 to 06.10.21.
- Two Weeks Simulator Training conducted for Junior Engineers Trainees (JETs) of MPPGCL from 27.09.21 to 08.10.21 & 11.10.21 to 22.10.21 & 25.10.21 to 05.11.21 in three batches for a total of 40 students.
- One Day Capacity Building Program for Existing Pellet Manufacturing Units conducted for 65 nos. of Participants on 30.10.21.
- One Day Short Term Program on “One Day Webinar at IIT Nagpur Power Sector Challenges & Way ahead” conducted for 47 Students on 14.12.21.
- Three Days Short Term Program on “Energy Development Program” conducted for 27 Students from 27.12.21 to 29.12.21.
- One Day Short Term Program on “Power Plant Familiarization & Opportunities in Power Sector” conducted for 70 Students on 17/02/22.
- One Day Capacity Building Program for One Day Capacity Building Program for Biomass Pellet Co-firing for Thermal Power Plants conducted for 120 nos. of Participants on 24.02.22.
- One Day Short Term Program on “Renewable Energy Resources” conducted for 50 Students on 25.02.22.
- Three Days RDSS Program “Introduction to AMI and Role of AMI in Reducing AT&C Losses” for (Maharashtra State Electricity Distribution Company Limited) conducted for 36 nos. of Participants from 02.03.2022 to 04.03.2022
- Three Days RDSS Program “Introduction to AMI and Role of AMI in Reducing AT&C Losses” for (Paschim Gujarat Vij Company Limited) conducted for 36 nos. of Participants from 15.03.2022 to 17.03.2022
- One Day Short Term Program on “Recent Scenario of Renewable Energy in India” conducted for 60 Students on 28.03.22
- Three Days onsite Training Program “Protection of Generator and Protection of Substation Equipment’s” for Dhariwal Group conducted for 10 nos. of Participants from 28.03.2022 to 30.03.2022

3.2.1.7 HPTC-Nangal

- **Long Term Training Programs**

- Post-Graduate Diploma Course in Hydro Power Plant Engineering Course 20.09.2021 to 17.06.2022.



One week Training Program on "Hydro Power Generation" for CEA, (Asstt. Directors) from 02nd to 06th Aug. 2021

- **Short Term Training Programs**

- Three days online training program on "Advanced Mtc Practices of Valves & Pumps in Hydro Power Plant" was conducted from 13.07.2021 to 15.07.2021 for 12 Participants from TSGENCO, THDCL & BBMB.
- Two days online training program on "Solar Energy & Grid Integration" was conducted from 19.07.2021 to 20.07.2021 for 08 Participants from NHDC Ltd.

- One-week online training program on “Best O&M Practice of Switchgear and Transformer” was conducted from 26.07.2021 to 30.07.2021 for 06 Participants from NHDC Ltd.
- One-week online training program on “Hydro Power Plant Operation” was conducted from 26.07.2021 to 30.07.2021 for 09 Participants from TSGENCO & BBMB.



*One day awareness Training Program on
“Use of Biomass in Thermal Power Plants” on 21st Oct 2021*

- One-week training program on “Hydro Power Generation” was conducted from 02.08.2021 to 06.08.2021 for 25 Participants from CEA, New Delhi.
- Three days online training program on “Hydro Power Plant Auxiliaries” was conducted from 15.09.2021 to 17.09.2021 for 12 Participants from BBMB.
- One day training program on “Hydro Power Familiarization” was conducted on 30.11.2021 for 83 Students from Guru Nanak Dev Engineering College, Ludhiana.

- One day online training program on “Cyber Security Audit” was conducted on 26.02.2022 for 08 Participants from THDCIL.
- Two days online training program on “Safety in Power Stations’ was conducted from 09.03.2022 to 10.03.2022 for 13 Participants from MPPGCL & THDCIL.
- Two days training program on “Best O&M Practices of Hydraulics Gates in Hydro Power Plant” was conducted from 16.03.2022 to 17.03.2022 for 08 Participants from MPPGCL.



One week online Training Program on “Hydro Power Operation” was conducted from 26th to 30th July 2021 for TSGENCO & BBMB.

• Webinar/Awareness Programs

- One day awareness training program for farmers on “Use of Biomass in Coal Based Thermal Plants” under National Biomass Mission was conducted for 72 Farmers from Punjab on 21.10.2021 at NPTI, Nangal.
- One day awareness training program was conducted for 80 students of KCIET, Pandoga, on 13.12.2021 at NPTI, Nangal.
- One day awareness training program was conducted for 43 students of GNE, Ludhiana on 14.12.2021 at NPTI, Nangal

- One day onsite awareness training program was conducted for farmers on “Use of Biomass in Coal Based Thermal Plants” under National Biomass Mission was conducted for 102 participants on 08.03.2022 at Punjabi University Patiala.
- Three days onsite training program on “Introduction to AMI & Role of AMI in reducing AT&C Losses” from 24.03.2022 to 26.03.2022 was conducted for PSPCL at TTI, Patiala.
- Three days onsite training program on “Introduction to AMI & Role of AMI in reducing AT&C Losses” from 28.03.2022 to 30.03.2022 was conducted for HPSEB at CCDU, Mandi, HP.

• Simulator Training Programs

- One week, 250 MW Hydro Simulator Training from 27.09.2021 to 01.10.2021 for BBMB.
- One week, 250 MW Hydro Simulator Training from 27.09.2021 to 01.10.2021 for SJVNL.
- One week, 250 MW Hydro Simulator Training from 08.11.2021 to 12.11.2021 for SJVNL.

• Important events

- Fire Service week 14.04.21 to 20.04.21 at NPTI, Nangal
- Swachta Pakhwada 16.05.21 to 31.05.21
- Anti-Terrorism Day 21.05.21
- World No Tobacco Day 31.05.21
- International Yoga day celebrated on 21.06.21.
- Independence Day Celebrated on 15.08.2021
- CEA Team Visit at NPTI, Nangal for Inspection 01.09.2021
- Director General Visit at NPTI, Nangal
- Observance of Vigilance Awareness Week 2021 on 26.10.2021
- First Advisory Board Meeting conducted on 14.10.2021
- Flag Day celebrated on 25.11.21
- Savidhan Diwas celebrated on 26.11.21

- Director General visit at NPTI, Nangal on 23-25.12.2021
- Republic Day Celebrated on 26.01.2022

3.2.1.8 HLTC Bangaluru

- **Medium- Term Course**

- An Eleven weeks Training Program on “115th Live Line Maintenance Techniques (LLMT) using Hot Stick Method (HSM)” was conducted from 06.09.2021 to 19.11.2021 with Participants from MPPTCL, VAGRAM, MTANT.
- Five weeks Training Program on “27th Live Line Maintenance Techniques (LLMT) using Bare Hand Method (BHM)” was conducted from 29.11.2021 to 31.12.2021 with Participants from KPTCL, APTRANSCO, TNEB.
- An Eleven weeks Training Program on “116th Live Line Maintenance Techniques (LLMT) using Hot Stick Method (HSM)” was conducted from 03.01.2022 to 18.03.2022 with Participants from KEB, GETCO, TSTRANSCO.

- **Short- Term Course**

- Four days 29th Live line Punctured Insulator Detection from 29.11.22 to 02.12.21 with Participants from RTC- TALANDAGE, MSETCL, KOLHAPUR-MH.
- Four Days 30th Live Line Punctured Insulator Detection from 03.01.2022 to 06.01.2022 with Participants from TALANDAGE, M/s MSETCL, KOLHAPUR-MH.
- Five Days 51st Capsule Course of executive from 07.03.2022 to 11.03.2022 with Participants from MPPTCL.
- Four Weeks 21th Switchyard Maintenance Techniques using LLMT for Lineman/Supervisors from 28.2.22 to 25.3.22 with Participants from MSETCL, TANTRANSCO, TELANGANA.
- PGDC in Smart grid technology and T&D (16.08.2021 to 19.08.2021) with Participants from PSTI and Kerala.

- **Special Programs**

- Three Days training program on Revamped Distribution Sector Scheme (RDSS) conducted for BESCO, Bangalore from 16.3.2022 to 18.3.22.

- Three Days training program on Revamped Distribution Sector Scheme (RDSS) conducted for CESCO, Mysore from 23.3.2022 to 25.3.22.
- One Day Webinar on LLM of Tr. Lines using Robots, camera, Drones and Helicopters (29.10.2021)



Participants of 115th LLMT using HSM Course (06.09.2020 to 19.11.2021)

3.2.1.9 NPTI- Neyveli

- **Long Term Courses**
- **One Year Post Graduate Diploma Course (PGDC) in Power Plant Engineering**
 - The 25th batch comprising 44 students completed the course on 29.10.2021
 - The 26th batch comprising 50 students is attending the program from 20.10.2021 and will be completing on 15.10.2022



- **One Year Post Diploma Course (PDC) in Power Plant Engineering**
 - The 21st Batch comprising 17 students attended the program from 21.12.2020 to 22.12.2021
 - The 22nd Batch comprising 24 students is attending the program from 22.12.2021 and will be completing on 23.12.2022
- **One Year Graduate Engineers Course GEC(T) in Power Plant Engineering**
 - A batch Comprising 32 Students attended the program from 03.03.2021 to 31.03.2022
 - A batch Comprising 21 Students is attending the program from 28.02.2022 and will be completing on 04.03.2023
- **Medium Term/Short Term Training Programs**
 - A six weeks internship training program on “Power Plant Familiarisation” was conducted from 01.04.2021 to 24.05.2021 for 109 Participants from Mailam Engineering College, Mailam, Villupuram.
 - A five weeks training program on “Thermal & Combined Cycle Gas Turbine Power Plant Familiarisation” was conducted from 12.04.2021 to 15.05.2021 for 11 Participant from Mis Mitsubishi Power India Private Limited, Bengaluru.
 - A six weeks Internship Training on Power Plant Familiarisation was conducted from 02.08.2021 to 17.09.2021 for 106 Participants from Mailam Engineering College, Mailam, Villupuram.
 - A five weeks training program on “Thermal & Combined Cycle Gas Turbine Power Plant Familiarisation” was conducted from 30.08.2021 to 02.10.2021 for 09 Participant from Mis Mitsubishi Power India Private Limited, Bengaluru.
 - A six weeks Internship Training on “Power Plant Familiarisation” was conducted from 24.01.2022 to 10.03.2022 for 95 Participants from Mailam Engineering College, Mailam, Villupuram.
 - A three days training program on “Renewable Energy (RE) Forecasting & Renewable Energy Management Centers (REMCs)” was conducted from 24.01.2022 to 27.01.2022 for 38 participants from various power utilities.
 - A three days training program on “Gas Insulated Sub-Station (GIS)” was conducted from 21.02.2022 to 23.02.2022 for 20 participants from various power utilities.

- A three days online training program on “Power Cables and Design” was conducted from 02.03.2022 to 04.03.2022 for 33 Participants from various power utilities.
- **Special Programs**
 - One Day Online Workshop on “Deminerall Plant Operation” was conducted for 10 Participants at M/S Thirumalai Chemicals, Ranipet on 08.04.2021
 - 05 Days Online AICTE Training and Learning Academy (ATAL) Program on “Data Sciences” was conducted for 171 Participants from 09.08.2021 to 13.08.2021 for various Engineering College Faculties
 - 03 Days RDSS training program -Introduction of AMI and Role of AMI in reducing AT & C Losses at T ANGEDCO, Madurai was conducted for 40 Engineers from TANGEDCO, Madurai from 09.02.2022 to 11.02.2022
 - 03 Days RDSS training program -Introduction of AMI and Role of AMI in reducing AT & C Losses at Pondicherry Electricity Department, Pondicherry was conducted for 40 Engineers from PED, Pondicherry from 09.02.2022 to 11.02.2022
 - 12 Weeks DDU-GKY Program-Solar PV Installer (Suryamitra)-Batch-II was conducted for 21 Diploma Students from various polytechnic colleges from 23.02.2022 to 08.06.2022.
 - 12 Weeks DDU-GKY Program-Cable Jointer Electrical Power System -Batch-I was conducted for 30 Diploma Students from various polytechnic colleges from 23.02.2022 to 20.06.2022.
 - 03 Days RDSS training program-Introduction of AMI and Role of AMI in reducing AT & C Losses at APSPDCL, Tirupati was conducted for 40 Engineers from PED, Pondicherry from 14.03.2022 to 16.03.2022.
 - A three days On-site training program on “Gas Insulated Sub-Station(GIS)” was conducted from 21.03.2022 to 23.03.2022 for 15 Executives from Electricity Department, Government of Goa.
 - 03 Days RDSS training program -Introduction of AMI and Role of AMI in reducing AT & C Losses at Pondicherry Electricity Department, Pondicherry was conducted for 40 Engineers from APCPDCL, Vijayawada from 23.03.2022 to 25.03.2022.



- **Important Events, Visit of Dignitaries & Guests**
 - On-line Anti-Terrorism Day Pledge taken by the officers & officials of this Institute on 21.05.2021 from their residence.
 - On-line World No Tobacco Day Pledge taken by the officers & officials of this Institute on 31.05.2021 from their residence.
 - Celebrated International Yoga Day by the Officers, Officials & Trainees of this Institute on 21.06.2021
 - Independence Day Celebrated by the Officers, Officials & Trainees of this Institute on 15.08.2021.
 - Sadbhavana Diwas Pledge taken by the Officers, Officials & Trainees of this Institute on 20.08.2021.
 - Hindi Fortnight celebrated at this Institute and various events are conducted by Students & Employees of this institute.
 - Pledge taken in connection with “Vigilance Awareness Week” Pledge taken by the Officers, Officials & Trainees of this Institute on 28.10.2021.
 - Pledge taken in connection with “Constitution Day” by the Officers, Officials & Trainees of this Institute on 26.11.2021
 - Republic Day Celebrated by the Officers, Officials & Trainees of this Institute on 26.01.2022.
- **HINDI ACTIVITIES OF NPTI. NEYVELI (S.R) FOR THE YEAR 2021-22**
 - Hindi workshop has been organized every quarterly for Officers & Staffs.
 - Hindi Fortnight has been celebrated in the month of the September, 2021 and the following Competitions have been conducted during the Hindi Fortnight. All Officers/Staffs have participated in the competition. Total cash awards of Rs. 1 0000/- have been awarded to the winners of various competitions. Photos regarding Hindi Fortnight have been enclosed.
 - Name of the Competition’s
 - o Hindi Copy Writing Competition
 - o Hindi Words Meaning Competition
 - o Quiz Competition for Officers, Staff, Trainees
 - o Hindi Typing Competition for Officers & Staff
 - o Hindi Song Competition for trainees

- In the context of “Azadi Ka Amruth Mahotsav”, a live talk on line Programme has been organized by NPTI, Neyeli institute on 2nd December, 2021. Photos regarding Azadi Ka Amruth Mahotsav has been enclosed.
- Official Language Implementation Committee Meeting has been conducted every quarterly.
- Most of the documents relevant to Section 3(3) of Official Language Act is being Implemented in regular office works.

3.2.1.10 NPTI- Shivpuri

- **Short/ Medium/Long Term Courses**

- A Four Weeks summer on-line training program on “Power generation technologies” was conducted from 07.06.2021 to 02.07.2021
- A One Week online training program on “Best O&M Practices of switchgear & power transformer” was conducted from 14.05.2021 to 18.06.2021.
- A Two Days online training program on “CM & PM of Hydro turbines” was conducted from 17.06.2021 to 18.06.2021.
- A Two days online training program on “Solar power & grid integration” was conducted from 21.06.2021 to 22.06.2021
- A Three days online training program on “valves & pumps used in thermal power plants” was conducted from 29.06.2021 to 01.07.2021.
- A Three days online training program on “Boiler firing system and equipment’s” was conducted from 07.07.2021 to 09.07.2021.
- A Two Weeks offline “Simulator training program” was conducted from 2.08.2021 to 13.08.2021.
- A One-week online training program on “Testing of Generator, Transformer, Reactors, HV cables, switchgear equipment’s, transformer oil & testing equipment’s” was conducted from 13.09.2021 to 17.09.2021
- A One-week online training program on “Hydraulic turbine Testing” was conducted from 20.09.2021 to 24.09.2021
- A Two Days online training program on “Modern concept of wind power generation” was conducted from 28.10.2021 to 29.10.2021
- A One-day online training program on “Insulation audit of power plant and process industries” was conducted on 16.11.2021.



- A One-week online training program on “Renovation and Modernization of Power Plant” was conducted from 06.12.2021 to 10.12.2021.
- A Three days Online Training program on “Thermal Power Plant Efficiency and Performance Monitoring” was conducted from 06.12.2021 to 08.12.2021.
- A One-week online Training Program on “DCS, Instrumentation, SCADA System and Communication Network” was conducted from 20.12.2021 to 24.12.2021.
- A Three days Online Training Program on “Energy Audit & Loss Reduction in T&D” was conducted from 03.01.2022 to 05.01.2022.
- A Three days Online Training Program on “Maintenance Planning and Cost Control” was conducted from 10.01.2022 to 12.01.2022
- A Two Days Online Training Program on “Cyber Security in hydro Power Plant” was conducted from 13.01.2022 to 14.01.2022
- A Two Days Online Training Program on “NDT” was conducted from 01.02.2022 to 02.02.2022.
- A One-week online training program on “Hydraulic turbine Testing” was conducted from 14.02.2022 to 18.02.2022.
- A Two Weeks Simulator Training Program on “SMART Grid and Renewable Energy” was conducted from 07.03.2022 to 18.03.2022.
- A Three days offline training program on “Flexible Power Generation, Digital Governing, Control and Emergency Handling of Super Critical Thermal Power Plant” was conducted from 21.03.2022 to 23.03.2022.
- **Special Programs (on-site/Seminars/Workshops etc.)**
 - A one-week online ATAL Academy sponsored FDP on “Waste Technologies” was conducted from 02.08.2021 to 06.08.2021.
 - A one-week online ATAL Academy sponsored FDP on “GIS & RS” was conducted from 20.09.2021 to 24.09.2021
 - A One-day National Workshop on “Cyber Security Issues and its Strategic Avoidance Solution for Power Utilities’ was conducted on 30.10.2021.
 - A One-week offline training program on “BOE exam preparation for NLC Executives” was conducted from 29.11.2021 to 03.12.2021.
 - A One day online virtual visit & Workshop on “Facilities and Opportunities: Internship at NPTI, Shivpuri” was conducted on 22.01.2022.

- A One day online virtual visit & Workshop on “Facilities and Opportunities: Internship at NPTI, Shivpuri” was conducted on 05.02.2022
- A Two weeks Internship program on “Power Plant Familiarization” was conducted from 21.02.2022 to 04.03.2022.
- A Two weeks Internship program on “Bit & Bytes of computer networking” was conducted from 28.02.2022 to 11.03.2022.
- A Three days onsite training program on “RDSS” at Jabalpur was conducted from 9.03.2022 to 11.03.2022.
- One Day Online Webinar on “Advanced Technology in Battery Energy Storage for E-Mobility Mission of India” on 30.09.2020

3.2.1.11 NPTI, Alappuzha

- **Long Term Course**

- A batch of 6 Graduate Engineers attended the course on PGDC in T&D

- **Short- Term Course**

- 7.2 weeks short term training program on “Government e-Market Place (GeM) & General Financial Rules (GFR 2017)” for 12 Executive engineers from Goa electricity board
- 12 Weeks short term training program on “Solar, wind, Hybrid floating solar, battery storage system” for 12 Executive engineers from SJVNL

- **Special Programs (on-site/Seminars/Workshops etc.)**

- On Site training for RDSS program
 - o 36 trainees have undergone on-site training at Thiruvananthapuram
 - o 32 trainees have undergone on-site training at Kozhikode
 - o 35 trainees have undergone on-site training at Kottayam
 - o 36 trainees have undergone on-site training at Thrissur
- 36 trainees have undergone on-line Internship Program on “Power Generation, Transmission & Distribution”



3.3 Training Achievements (Course Wise) 2021-22

During the year 2021-22, as many as 15,209 persons at different levels have trained by achieving 34,502 Trainees-week (T-W). The following table shows course -wise training achievements of NPTI in terms of No. of persons trained and trainee-weeks (T-W) achieved during the year 2021-22:

S.No	Courses	No. of Trainees Trained	Trainee weeks (T-W)
1	Long Term Courses for Graduate Engineers (Including PGDC etc)	505	13,950
2	Short Term & Medium Term Courses for Engineers	8,167	9,762
3	Long Term Courses for operators/ Technicians	716	4,963
4	Short & Medium Term Courses for operators/ Technicians	230	46
5	Simulator Courses	216	421
6	Special Programs (On-Job/ Seminar/Workshop etc)	5,375	5,360
Total		15,209	34,502

3.4 Training Program Calendar 2022-23

A comprehensive training calendar for the year 2022-23 was printed and circulated to all SEBs/Power Utilities etc, to enable them to chalk out their annual training plan. The calendar was designed after studying the needs of the reforming power sector, customizing the programs to the client needs. Besides the regular long-term training program as per the needs of IE rule and certificate thereof, a large number of short term program have also been incorporated. The same is also available on our website.

Annexure 'B'

Unit-wise Performance of NPTI during 2021-22

Sl. No.	Institute	No. of Trainees	No. of Trainee- Weeks	Revenue Earning (Rs. In Lakhs)	Expenditure (Rs. In Lakhs)
1.	NPTI Corporate Office	2383	5441	982.31	1469.51
2.	NPTI-NR, Badapur	1415	3356	359.18	530.47
3.	NPTI-WR, Nagpur	712	3128	226.45	463.59
4.	NPTI-ER, Durgapur	4225	6195	304.39	459.13
5.	NPTI-SR, Neyveli	1467	9526	325.52	355.72
6.	NPTI-NER, Guwahati	925	1152	46.02	164.78
7.	NPTI-Nangal	592	495	36.16	123.46
8.	NPTI-HLTC, Bengaluru	445	883	437.39	209.33
9.	NPTI-PSTI, Bengaluru	1896	2816	166.01	374.65
10.	NPTI-Shivpuri	951	1183	20.27	134.46
11.	NPTI, Alappuzha	198	327	11.32	170.80
	Total	15209	34502	2915.02	4455.9

Chapter - 4

On-going Schemes of NPTI

4.0 Physical Progress

Physical Progress of 12th Plan Schemes of NPTI

	Name of the Scheme	Cost of the Scheme (Rs. in lakhs)	Name of the Agency	Cost (Rs. in lakhs)	Physical Progress
1	Renovation Modernization & Augmentation of Training Infrastructure of 9 Institutes of NPTI	7804.24	PGCIL, CPWD for infrastructural package & NTPC for Simulator Package	7804.24	<p>Infrastructural package has been awarded to PGCIL and CPWD. Works at various Institutes of NPTI has been completed.</p> <p>For Development & installation of Multifunctional Simulator, NTPC executing PMC and supply and installation of Simulator awarded to Emerson. Works of Multi configured simulator has been successfully completed at NPTI, Faridabad, Durgapur, Nagpur & PSTI, Bengaluru.</p>
2	Setting up of Training Institute at Alappuzha, Kerala.	7542.56	PGCIL, for infrastructural package & NTPC for Simulator Package	7542.56	<p>All Infrastructural works have been completed & Institute become functional from January, 2020.</p> <p>For Development & Installation of Multifunctional Simulator, NTPC executing PMC and supply and installation of Simulator awarded to Emerson.</p> <p>Works of Multi Configuration Simulator has been completed successfully.</p>

	Name of the Scheme	Cost of the Scheme (Rs. in lakhs)	Name of the Agency	Cost (Rs. in lakhs)	Physical Progress
3	Setting up of Training Institute at Shivpuri, Madhya Pradesh	6423.00	PGCIL for infrastructural package & NTPC for for Simulator Package	6423.00	All infrastructural works have been completed & Institute become functional from January, 2020. For Development & installation of Multifunctional Simulator, NTPC executing PMC and supply and installation of Simulator awarded to Emerson. Works of Multiconfigured simulator has been completed successfully.
	Total	21769.80		21769.80	

Chapter - 5

ACCOUNTS & FINANCE

5.1 During the year 2021-22, an amount of Rs. 2915.02 lakhs was realized as Revenue Earnings of the Organisation as indicated in Exhibit - II. The breakup of total receipts in terms of Revenue, Grants-in-Aid (Plan & Non-Plan), Remittance to Pension Fund and Total Expenditure is given in Exhibit - II. The Balance Sheet for the financial year 2021-22 and the necessary schedules forming its part together with the income and expenditure statements, receipts & payments etc. are placed at Exhibit - III.

5.2 Expenditure during 2021-22 (Under 'Plan' & 'Non-Plan' heads)

The details of actual expenditure during 2021-22 under 'Plan' and 'Non-Plan' heads are as under:

Head of Account	Approved R.E. 2021-22 (Rs. in lakhs)	Actual Expenditure (Rs. in lakhs)
Plan	407.02	0.00
Non Plan	1200.00	1200.00

5.3 Budget Estimate for the year 2021-22

(Rs in lakhs)

Head of Account	B.E. Sanctioned (Rs. in lakhs)	R.E. Sanctioned & Released (Rs. in lakhs)
Plan	407.02	407.02
Non-Plan	1200.00	1200.00

5.4 Outlay for Sanctioned Schemes

(Rs in lakhs)

S. No.	Name of the Scheme	Sanctioned Cost of the Scheme	Revised cost of the Scheme	Total Expr. upto 2021-22
1	2	3	4	5
1	Setting up of New Power Training Institute under NPTI at Pallipuram Village of Cherthala Taluk in Alappuzha District, Kerala	5635.00	7542.56	7542.56
2	Renovation, Modernization and Augmentation of Training infrastructure of nine institutes of National Power Training Institute (NPTI)	7397.00	7804.24	7804.24
3	Setting up of National Power Training Institute by NPTI at Shyampur Village (Satanwara) in Shivpuri District, (M.P.)	6423.00	6423.00	6423.00
	Total	19455.00	21769.80	21769.80



Training Achievements - Number of Personnel Trained by NPTI

Year	GE	LOT	STE	SOT	SIM	SP	PSTI		HLTC	TOTAL
							STE	SIM		
1965-66	28	-	-							28
1966-67	30	-	-							30
1967-68	26	-	-							26
1968-69	23	27								50
1969-70	33	38								71
1970-71	30	67								97
1971-72	32	53								85
1972-73	31	30	30				50	-		141
1973-74	41	53					71	-		165
1974-75	37	90					29	-		156
1975-76	54	101					104	-	34	293
1976-77	91	147					80	-	41	359
1977-78	53	151	202				157	-	48	611
1978-79	53	144	315				164	-	28	704
1979-80	111	193	206				201	-	60	771
1980-81	151	199	309				170	-	33	862
1981-82	208	141	452				238	-	42	1081
1982-83	305	207	410	216	11	490	224	-	41	1904
1983-84	261	182	361	520	242	264	167	-	37	2034
1984-85	752	83	455	695	254	186	187	-	39	2651
1985-86	307	115	481	766	233	204	245	-	37	2388
1986-87	481	175	462	757	274	154	279	-	61	2643
1987-88	343	133	700	777	272	217	255	-	26	2723
1988-89	240	137	1418	1218	303	470	277	-	44	4107
1989-90	175	275	942	951	328	488	231	-	109	3499
1990-91	370	163	1228	925	288	815	226	11	35	4061
1991-92	200	135	796	690	256	1895	232	18	27	4249
1992-93	333	137	713	800	391	725	204	24	62	3389
1993-94	301	71	774	604	386	708	259	16	79	3198
1994-95	628	461	462	529	227	558	249	25	15	3154
1995-96		510	652	452	411	211	226	20	63	2545
1996-97	215	261	358	551	183	347	223	10	-	2148
1997-98	352	468	290	406	201	131	261	12	-	2121

1998-99	259	238	293	397	214	359	303	12	50	2125
1999-00	349	93	338	268	204	628	410	25	81	2396
2000-01	248	74	525	434	316	3673	326	15	81	5692
2001-02	292	487	305	836	507	3586	211	7	115	6346
2002-03	233	753	213	756	549	6322	568	7	117	9518
2003-04	419	939	190	287	554	6612	828	89	129	10047
2004-05	430	1310	213	1657	600	6274	873	80	138	11575
2005-06	635	1677	472	1804	740	6292	793	80	203	12696
2006-07	1957	403	1308	820	536	6724	1009	92	307	13156
2007-08	3062	449	789	1582	1080	3938	1335	19	301	12555
2008-09	1739	2023	392	1692	1141	5652	1257		329	14225
2009-10	2317	1404	366	1067	1240	7998	175		302	14869
2010-11	2805	605	2499	838	1272	5497	1924		385	15825
2011-12	2902	533	2002	704	1172	7580	1433	172	514	17012
2012-13	3046	1045	835	806	990	8849	1853	156	531	18111
2013-14	2851	465	1863	1683	1213	9113	1891	127	553	19759
2014-15	3360	478	2589	395	1096	8079	1539	186	565	18287
2015-16	3506	430	3896	542	1289	7241	1632	20	243	18799
2016-17	2933	742	1678	708	903	7185	3236	208	1076	18669
2017-18	3409	742	2666	1217	842	7933	3580	202	453	21044
2018-19	3982	819	3735	1240	368	9356	2796	51	503	22850
2019-20	1081	583	2459	2685	313	10425	1502	-	490	19538
2020-21	856	458	1983	665	739	3816	2240	-	188	10945
2021-22	869	745	6251	540	215	4248	1844	52	445	15209
TOTAL	49835	22442	49876	34480	22353	155243	38567	1736	9060	383592



Exhibit II (Rs. in lakhs)

Year	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
1	2	3	4	5	6	7	8	9	10	11	12
Revenue	5599.39	5015.08	5738.85	5629.84	5022.17	5061.98	4968.38	4213.39	4108.80	2399.39	2915.02
Grant-in-aid (Non-Plan)	640.00	576.00	640.00	640.00	640.00	740.00	740.00	1040.39	1500.00	1800.00	1200.00
Total Receipts	6239.24	5591.08	6378.85	6269.84	5662.57	5801.98	5708.38	5253.39	5608.80	4199.39	4115.02
Expenditure	4485.54	4645.62	5342.37	5536.82	5579.32	5623.46	5812.98	5649.00	5371.00	4798.81	10765.05
Amount transfer to Depreciation fund/Medical for Retd. Employees/ Corpus fund	1113.70	369.46	396.48	93.02	-	-	-	-	-	-	-
Surplus deficit carried to Corpus fund	--	--	--	--	557.15	561.48	844.59	1435.60	1262.21	2399.42	7850.03
Augmentation of pension fund	640.00	576.00	640.00	640.00	640.00	740.00	740.00	1040.00	1500.00	1800.00	1200.00
Total expenditure	6239.24	5591.08	6378.85	6269.84	6219.32	6363.46	6552.98	6689.90	6871.00	6598.81	11965.05
Grant-in-aid	180.00	500.00	363.00	889.39	2360.00	3300.00	4980.00	9015.00	1390.71	44.68	407.02



सं:DGA(Energy)/REP/01-151/A/cs -NPTI/2022-23/

भारतीय लेखापरीक्षा एवं लेखा विभाग
कार्यालय प्रधान निदेशक लेखापरीक्षा (ऊर्जा)
दिल्ली

Indian Audit & Accounts Department
OFFICE OF THE
PRINCIPAL DIRECTOR OF AUDIT (ENERGY)
DELHI

दिनांक/Dated:

To

The Secretary to the Government of India,
Ministry of Power,
Shram Shakti Bhawan, Rafi Marg,
New Delhi -110001

Subject: Separate Audit Report on the Annual Accounts of National Power Training Institute (NPTI), Faridabad for the year 2021-22.

Sir,

I am to forward herewith Separate Audit Report on the Annual Accounts of National Power Training Institute (NPTI), Faridabad for the year 2021-22 along with the Annual Accounts for the year 2021-22.

The Separate Audit Report and Annual Accounts may kindly be laid on the table of both the Houses of Parliament after these are adopted by the Governing Council of NPTI.

Two copies of the documents as presented to both the Houses of Parliament may kindly be forwarded to this office with an intimation regarding the date(s) on which these were laid on the table of both the Houses of Parliament.

Encl: As above

Yours faithfully,


(S. Ahladini Panda)
Principal Director



संख्या : DGA(Energy)/REP/01-151/A/cs -NPTI/2022-23/ 562

Dated: 18/11/2022

Copy alongwith a copy of Separate Audit Report (SAR) forwarded to:

- ✓ The Director General, National Power Training Institute (NPTI), Faridabad, NPTI Complex, Sector-33, Faridabad-121003 alongwith Management Letter for necessary action.
2. Office of the Comptroller & Auditor General of India (CA-III Wing), New Delhi with reference to HQ office e-mail dated 18-11-2022. The facts and figures mentioned in the Separate Audit Report have been re-checked.

Encl: As above.


(S. Ahladi Pandey)
Principal Director

SEPARATE AUDIT REPORT OF THE COMPTROLLER & AUDITOR GENERAL OF INDIA ON THE ACCOUNTS OF NATIONAL POWER TRAINING INSTITUTE, FARIDABAD FOR THE YEAR ENDED 31 MARCH 2022

We have audited the attached Balance Sheet of National Power Training Institute (NPTI) as on 31 March 2022, the Income & Expenditure Account and the Receipt & Payment Account for the year ended on that date under Section 20(1) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971. These financial statements are the responsibility of the NPTI's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any, are reported through Inspection Report/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

- i. we have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- ii. The Balance Sheet and Income and Expenditure Account/ Receipt & Payment Account dealt with by this report have been drawn up in the format approved by the Government of India.
- iii. In our opinion, proper books of account and other relevant records have been maintained by NPTI in so far as it appears from our examination of such books.
- iv. We further report that:

A. Government Grant

NPTI received ₹16.07 crore grant during the year 2021-22 (₹4.07 crore was received in March 2022), out of which an amount of ₹12.00 crore has been utilised and the balance ₹4.07 crore remained unutilised as on 31 March 2022.


B. Management Letter

Deficiencies which have not been included in the Separate Audit Report would be brought to the notice of the Director General, NPTI through a Management Letter issued separately for remedial/corrective action.

- v. Subject to our observation in the preceding paragraphs, we report that the Balance Sheet and Income & Expenditure Account/ Receipts & Payments account dealt with by this report are in agreement with the books of accounts.
- vi. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts and subject to matters stated above and other matters mentioned in the Annexure-I to this Separate Audit Report give a true and fair view in conformity with accounting principles generally accepted in India:
 - a) In so far as it relates to the Balance Sheet, of the state of affairs of the National Power Training Institute (NPTI) as at 31 March 2022 and
 - b) In so far as it relates to Income & Expenditure Account, of the excess of expenditure over income for the year ended on that date.

For and on behalf of the C&AG of India

Place: New Delhi
Dated: 18 November 2022


(S. Ahladi Panda)
Principal Director of Audit (Energy),
New Delhi

Annexure 1
Referred to in Para 4 (vi)}

1. Adequacy of Internal Audit System

Internal audit has been conducted for the period 2021-22.

2. Adequacy of Internal Control System

Internal Control system was commensurate with the size of business as broad guidelines for internal control such as compliance of rules & regulations of Government of India, delegation of powers, exercise of counter checks etc. have been prescribed and followed by NPTI. However, certain inadequacies were noticed during audit e.g.:

1. Variation in Earmarked Funds vis-à-vis corresponding investment,
2. Non/deficient maintenance of registers,
3. Non-reconciliation of debtors/balances,
4. Governing Council meetings not held as per stipulation.

Therefore, the Internal Control System in NPTI needs to be further strengthened to safeguard its interests.

3. System of Physical Verification of Fixed Assets

NPTI did not maintain the fixed assets register as per GFR provisions. Physical verification of fixed assets was also not carried out during the year 2021-22. In absence of fixed assets register and physical verification reports, Audit could not vouchsafe the fixed assets of ₹61.63 crore reflected in the Balance Sheet.

4. System of Physical Verification of Inventory

Physical Verification of Inventory has been conducted.

5. Regularity in payment of Statutory Dues

NPTI has been regular in payment of Statutory Dues.

6. Significant risk to financial reporting observed during the course of audit

No significant risk perceived.

7. Details of loss of cash or Government property due to theft, misappropriation, fraud and embezzlement etc. during the year

Management certified that no such case was noticed / reported during the year.


Principal Director of Audit (Energy)

Reply of the Management on the Separate Audit Report issued by C&AG on Annual Accounts of NPTI, Faridabad for the year 2021-22

**Annexure-I
(Referred to in Para 4 (vi))**

Sl. No.	CAG Audit observation as per SAR (Annexure-1)	Replies
1.	<p>Adequacy of Internal Audit System Internal audit has been conducted for the period 2021-22.</p>	This is a statement of fact.
2.	<p>Adequacy of Internal Control System Internal Control system was commensurate with the size of business as broad guidelines for internal control such as compliance of rules & regulations of Government of India, delegation of powers, exercise of counter checks etc. have been prescribed and followed by NPTI. However, certain inadequacies were noticed during audit e.g.:</p>	
	1. Variation in Earmarked Funds vis-à-vis corresponding investment,	<p>The observation of the Audit has been Noted. The accounts of all the Regional Institutes have been centralized at Corporate office, Faridabad in the current FY2022-23. As observed by the Audit, the difference in Earmarked Fund Investment Vs Earmarked Fund Corpus shall be rectified / recouped in the current FY2022-23.</p>
	2. Non/deficient maintenance of registers,	<p>The observation of the Audit has been Noted. The deficiency in maintenance of some of the Registers as observed by audit shall be updated as per GFR in current FY 2022-23.</p>
	3. Non-reconciliation of debtors/balances,	<p>The observation of the Audit has been Noted. The needful will be done in the current FY 2022-23.</p>

	<p>4. Governing Council meetings not held as per stipulation. Therefore, the Internal Control System in NPTI needs to be further strengthened to safeguard its interests.</p>	Noted for future compliance
3.	<p>System of Physical Verification of Fixed Assets NPTI did not maintain the fixed assets register as per GFR provisions. Physical verification of fixed assets was also not carried out during the year 2021-22. In absence of fixed assets register and physical verification reports, Audit could not vouchsafe the fixed assets of ₹61.63 crore reflected in the Balance Sheet.</p>	<p>Noted for future compliance Physical verification of Assets and stores for FY2021-22 at Corporate Office and at all Regional Institutes was carried out by the internal committees of NPTI officials. Fixed Assets Registers are also maintained by the Regional Institutes of NPTI. However, the observation of Audit for non-maintenance of Fixed Assets Registers as per GFR Format is noted. The discrepancy / shortcomings observed by audit on maintenance of Fixed Assets Register shall be reviewed and necessary corrections as per GFR format shall be done in FY 2022-23.</p>
4.	<p>System of Physical Verification of Inventory Physical Verification of Inventory has been conducted.</p>	This is a statement of fact.
5.	<p>Regularity in payment of Statutory Dues NPTI has been regular in payment of Statutory Dues.</p>	This is a statement of fact.
6.	<p>Significant risk to financial reporting observed during the course of audit No significant risk perceived.</p>	This is a statement of fact.
7.	<p>Details of loss of cash or Government property due to theft, misappropriation, fraud and embezzlement etc. during the year Management certified that no such case was noticed / reported during the year.</p>	This is a statement of fact.



FINANCIAL STATEMENT FOR THE YEAR 2021-2022

NATIONAL POWER TRAINING INSTITUTE
(UNDER MINISTRY OF POWER, GOVT. OF INDIA)
NATIONAL POWER TRAINING INSTITUTE
BALANCE SHEET AS AT 31st MARCH, 2022

(Amount - Rs.)

CORPUS / CAPITAL FUND AND LIABILITIES	Schedule	Current Year	Previous Year
CORPUS / CAPITAL FUND	1	2,435,097,786	3,179,026,161
RESERVES AND SURPLUS	2	-	-
EARMARKED/ENDOWMENT FUNDS	3	858,040,671	871,914,162
SECURED LOANS & BORROWINGS	4	-	-
UNSECURED LOANS AND BORROWINGS	5	-	-
DEFERRED CREDIT LIABILITIES	6	-	-
CURRENT LIABILITIES AND PROVISIONS	7	244,047,680	158,419,001
TOTAL		3,537,186,137	4,209,359,324
ASSETS			
FIXED ASSETS	8	2,131,770,284	2,719,535,373
INVESTMENTS-FROM EARMARKED / ENDOWMENT FUNDS	9	828,596,464	805,575,687
INVESTMENTS- OTHERS	10	157,787,640	210,132,787
CURRENT ASSETS, LOANS, ADVANCES ETC.	11	419,031,749	474,115,477
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)	-	-	-
TOTAL		3,537,186,137	4,209,359,324
SIGNIFICANT ACCOUNTING POLICIES	24	-	-
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25	-	-

For and on behalf of NPTI

For and on behalf of NPTI

(R.P. Goyal)
Director (Finance)

(Dr. Tripta Thakur)
Director General



NATIONAL POWER TRAINING INSTITUTE

(UNDER MINISTRY OF POWER, GOVT. OF INDIA)

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31st MARCH, 2022

(Amount - Rs.)

INCOME	Schedule	Current Year	Previous Year
Income from Sales/Services	12	39,115,914	44,115,805
Grants/Subsidies	13	-	-
Fees/Subscriptions	14	185,464,958	139,560,751
Income from Investments (Income on Invest from earmarked/ endow. Funds transferred to Funds)	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	16,724,942	25,872,803
Other Income	18	50,753,185	30,501,474
Increase/(decrease) in stock of Finished goods and works-in- progress	19	-556,874	-111,996
TOTAL (A)		291,502,125	239,938,837
EXPENDITURE			
Establishment Expenses	20	274,149,622	245,046,107
Other Administrative Expenses etc.	21	171,440,729	171,718,638
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year-end-correspnding to Schedule-8)	8	630,915,117	63,116,540
TOTAL (B)		1,076,505,468	479,881,285
Balance being excess of Income over expenditure (A-B)		-785,003,343	-239,942,448
SURPLUS/(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND	1	-785,003,343	-239,942,448
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

For and on behalf of NPTI

For and on behalf of NPTI

(R.P. Goyal)
Director (Finance)

(Dr. Tripta Thakur)
Director General

NATIONAL POWER TRAINING INSTITUTE

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

(Amount - Rs.)

SCHEDULE 1 - CORPUS/CAPITAL FUND :	Current Year	Previous Year
Balance as at the beginning of the year	3,179,026,161	3,414,240,216
Add : Contributions towards Corpus/Capital Fund	-	-
Add : Plan Grant during the year	40,702,359	4,468,000
Add/(Deduct) : Balance of Net income/(expenditure)transferred from the Income and Expenditure Account	-785,003,343	-239,942,448
Inter unit remittance	372,609	260,393
BALANCE AS AT THE YEAR - END	2,435,097,786	3,179,026,161

SCHEDULE 2- RESERVES AND SURPLUS	Current Year	Previous Year
1. Capital Reserve		
As per last account	-	-
Addition during the year	-	-
Less : Deductions during the year	-	-
2. Revaluation Reserve:		
As per last amount	-	-
Addition during the year	-	-
Less : Deductions during the year	-	-
3. Special Reserve:		
As per last amount	-	-
Addition during the year	-	-
Less : Deductions during the year	-	-
4. General Reserve:		
As per last amount	-	-
Addition during the year- HBA/MCA	-	-
Less : Deductions during the year	-	-
TOTAL	-	-

NATIONAL POWER TRAINING INSTITUTE
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2022

SCHEDULE 3 - EARMARKED/ENDOWMENT FUNDS	FUND-WISE BREAK UP					TOTALS	
	GP Fund	Donation Fund	CP Fund	Pension Fund	Current Year	Previous Year	(Amount - Rs.)
a) Opening balance of the funds	160,956,990	150,000	7,340,020	703,467,152	871,914,162	835,940,239	
b) Additions to the Funds :	-	-	-	-	-	-	
i) Donation/Grants/Subscription	58,647,516	-	126,840	120,000,000	178,774,356	227,816,821	
ii) Income from investments made on accounts of Funds	8,241,356	-	434,751	26,946,127	35,622,234	46,244,123	
iii) Other - GPF, Pension Recovery & Withheld Amount	-	-	-	558,043	558,043	1,100,980	
TOTAL (a+b)	227,845,862	150,000	7,901,611	850,971,322	1,086,868,795	1,111,102,163	
c) Utilisation/Exp. towards objectives of Funds							
i. Capital Expenditure	-	-	-	-	-	-	
GPF - Advances/Withdrawals/Final Payments and Gratuity/Pension & Leave Encashment Payment	70,122,431	-	7,901,611	150,804,082	228,828,124	80,241,602	
ii. Revenue Expenditure	-	-	-	-	-	-	
Interest provided on GPF	-	-	-	-	-	158,553,692	
Interest provided on CPF	-	-	-	-	-	392,707	
TOTAL (c)	70,122,431	-	7,901,611	150,804,082	228,828,124	239,188,001	
NET BALANCE AS AT THE YEAR-END (a + b - c)	157,723,431	150,000	-	700,167,240	858,040,671	871,914,162	

NATIONAL POWER TRAINING INSTITUTE
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

(Amount - Rs.)

SCHEDULE 4 - SECURED LOANS AND BORROWINGS :	Current Year	Previous Year
1. Central Government	-	-
2. State Government (Specify)	-	-
3. Financial Institutions	-	-
a) Term Loans	-	-
b) Interest accrued and due	-	-
4. Banks:	-	-
a) Term Loans	-	-
- Interest accrued and due	-	-
b) Other Loans (Specify)	-	-
- Interest accrued and due	-	-
5. Other Institutions and Agencies	-	-
6. Debentures and Bonds	-	-
7. Others (Specify)	-	-
TOTAL	-	-

Note : Amounts due within one year

SCHEDULE 5 -UNSECURED LOANS AND BORROWINGS :	Current Year	Previous Year
1. Central Government	-	-
2. State Government (Specify)	-	-
3. Financial Institutions	-	-
4. Banks:	-	-
a) Term Loans	-	-
b) Other Loans (Specify)	-	-
5. Other Institutions and Agencies	-	-
6. Debentures and Bonds	-	-
7. Fixed Deposits	-	-
8. Others (Specify)	-	-
TOTAL	-	-

SCHEDULE 6 -DEFERRED CREDIT LIABILITIES :	Current Year	Previous Year
a) Acceptances secured by hypothecation of capital equipments and other assets	-	-
b) Others	-	-
TOTAL	-	-



NATIONAL POWER TRAINING INSTITUTE

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

(Amount - Rs.)

SCHEDULE 7- CURRENT LIABILITIES AND PROVISIONS :	Current Year	Previous Year
CURRENT LIABILITIES		
1. Acceptances	-	-
2. Sundry Creditors		
a) For Goods	-	-
b) Others-(Statement -1)(Outstanding towards Contractors Suppliers /Govt. Agency/etc.)	18,035,631	28,002,868
3. Advances Received (Statement -2)		
a) Trg. Fees	21,844,474	8,732,406
b) Hostel Rent	2,445,222	285,912
c) Mess Fee	1,283,951	-
d) Student Fee	12,245,802	4,232,066
4. Interest accrued but not due on		
a) Secured Loans/Borrowings	-	-
b) Unsecured Loans/Borrowings	-	-
5. Statutory Liabilities		
a) Overdue-	-	-
b) Others - (Statement - 3)(GST/TDS/Tax/LIC/NPS/GSLI)	17,093,344	13,156,649
6. Other Current Liabilities (Statement - 4)		
a) Security Deposits	13,906,043	14,066,536
b) Earnest Money Deposits	98,569	376,435
c) Others (Statement - 3) (Salary/Audit fee/Training Fee)	78,739,686	19,550,969
TOTAL (A)	165,692,722	88,403,840
PROVISIONS		
1. For Taxation	-	-
2. Gratuity (employees covered under NPS)	35,045,700	30,354,115
3. Superannuation/Pension	-	-
4. Accumulated Leave Encashment (employees covered under NPS)	42,332,991	32,987,346
5. Trade Warranties/Claims	-	-
6. Others (TDS on unidentified Debtors) (Statement -5)	976,267	6,673,700
TOTAL (B)	78,354,958	70,015,161
TOTAL (A+B)	244,047,680	158,419,001

**NATIONAL POWER TRAINING INSTITUTE
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022**

(Amount - Rs.)

SCHEDULE 8 - FIXED ASSETS	GROSS BLOCK						DEPRECIATION				NET BLOCK	
	Cost/Valuation As at beginning of the year 01.04.2021	Additions during the year 2021-22 (Less Than 180 Days)	Additions during the year 2021-22 (More Than 180 Days)	Deductions / Adjustments during the year 2021-22	Cost/Valuation at the year end 31.03.2022	As at the beginning of the year	Depreciation for earlier / prior year(s)	Depreciation for the year	Total up to the year - end 2021-22	As at the Current Year 31st March, 2022	As at the Previous Year 31st March, 2021	
Land-Free hold	18,714,647	-	-	17,824	18,696,823	-	-	-	-	18,696,823	18,714,647	
Land-Leasehold	3,803,636	-	-	-	3,803,636	2,087,400	166,800	83,400	2,337,600	1,466,036	1,716,236	
Building-On freehold Land	1,160,522,616	-	310,415,840	341,315,937	1,129,622,519	518,136,991	34,143,125	57,734,242	610,014,358	519,608,161	642,385,625	
Building-On Leasehold Land	1,653,646,948	-	1,250,978,423	1,419,897,202	1,484,728,168.54	174,744,074	224,978,162	109,267,793	508,990,029	975,738,140	1,478,902,873	
Plant machinery & Equipment	356,812,276	-	154,576	-	356,966,852	292,419,276	-	9,682,135	302,101,411	54,865,441	64,393,000	
Vehicles	18,298,606	-	9,165,681	-	27,464,286.55	15,722,625	1,937,944	1,470,558	19,131,127	8,333,160	2,575,980	
Furniture, Fixtures.	153,418,971	74,223	83,041,689	-	236,534,883	109,409,039	18,885,546	10,820,321	139,114,906	97,419,977	44,009,932	
Office Equipment	27,347,596	269,397	22,599,209	-	50,216,202	20,619,988	5,500,097	3,594,213	29,714,298	20,501,904	6,727,608	
Computer/Peripherals	119,110,382	581,661	67,482,704	21,343,527	165,831,220	95,372,987	43,547,292	10,648,044	149,568,323	16,262,897	23,737,395	
Electric Installations	10,526,730	13,859	14,453	3,000	10,552,042	8,056,375	-	373,310	8,429,685	2,122,357	2,470,355	
Library Books	17,886,845	-	-	-	17,886,845	17,515,375	-	148,588	17,663,963	222,882	371,470	
Tube wells & W.Supply	1,275,687	-	-	-	1,275,687	1,056,356	-	32,900	1,089,256	186,431	219,331	
Other Fixed Assets/Simulators	765,860,808	140,952	433,301,635	349,247,334	850,056,061	386,573,310	33,398,596	64,502,051	484,473,958	365,582,103	379,287,498	
TOTAL OF CURRENT YEAR (A)	4,307,225,748	1,080,092	2,177,154,210	2,131,824,824	4,353,635,226	1,641,713,797	362,557,562	268,357,555	2,272,628,914	2,081,006,312	2,665,511,951	
B. CAPITAL WORK-IN-PROGRESS	O. Balance 49,555,423	-	1,468,492	259,943	50,763,972	-	-	-	-	50,763,972	49,555,423	
	Other CWIP during the year 4,468,000	-	-	4,468,000	-	-	-	-	-	-	4,468,000	
TOTAL OF CWIP CURRENT YEAR (B)	54,023,423	-	1,468,492	4,727,943	50,763,972	-	-	-	-	50,763,972	54,023,423	
TOTAL (A+B)	4,361,249,171	1,080,092	2,178,622,702	2,136,552,767	4,404,399,198	1,641,713,797	362,557,562	268,357,555	2,272,628,914	2,131,770,284	2,719,535,373	
PREVIOUS YEAR	4,354,992,302	2,263,061,514	-	2,256,804,645	4,361,249,171	1,578,597,258	-	63,116,540	1,641,713,798	2,719,535,373	2,776,395,044	

Note : Deductions/Adjustments in Gross Block during the year includes amount of Rs. 213,17,89,000 for Assets which were capitalised provisionally during FY 2020-21. These Assets have been finally Capitalised during FY 2021-22 at Rs. 217,45,44,050 as per the amount appearing in Revised Cost Estimate approval.



NATIONAL POWER TRAINING INSTITUTE

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

(Amount - Rs.)

SCHEDULE - 9 INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	Current Year	Previous Year
1. In Government Securities	-	-
2. Other approved Securities	-	-
3. Shares	-	-
4. Debentures and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Others - GPF (FDR's with SBI)	137,599,734	139,551,567
- CPF (FDR's with SBI)	-	4,646,558
- Pension (LIC & FDR's with SBI)	690,434,038	660,850,528
- Donation (FDR's with SBI)	562,692	527,034
TOTAL	828,596,464	805,575,687

SCHEDULE 10 - INVESTMENTS - OTHERS	Current Year	Previous Year
1. In Government Securities	-	-
2. Other approved Securities	-	-
3. Shares	-	-
4. Debentures and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Others - a) Depreciation Fund - (FDR's with SBI)	124,928,540	180,008,515
b) Leave Salary/Gratuity Fund -(FDR's with SBI)(employees covered under NPS)	32,859,100	30,124,272
TOTAL	157,787,640	210,132,787

NATIONAL POWER TRAINING INSTITUTE

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

(Amount - Rs.)

SCHEDULE 11 - CURRENT ASSETS, LOANS, ADVANCES ETC :	Current Year	Previous Year
A. CURRENT ASSETS		
1. Inventories		
a) Stores and Spares	-	-
b) Loose Tools	-	-
c) Stock-in-trade		
Finished Goods (NPTI Publications & Manuals) (Statement -6)	4,910,423	5,467,296
Work-in-progress	-	-
Raw Materials	-	-
2. Sundry Debtors (Statement -7) (Amount recoverable from Debtors)		
a) Debts Outstanding for a period exceeding six months	47,258,522	62,892,296
b) Debts Outstanding for a period less than six months	101,692,153	52,109,021
3. Cash balance in hand(including cheques/drafts and imprest)	-	-
4. Bank Balances		
a) With Scheduled Banks:		
- On Current Accounts	101,319,443	45,688,285
- On deposit Accounts (FDR's)	70,907,498	141,465,346
- On Saving Accounts against Earmarked Funds		
- GPF	15,874,737	8,308,558
- CPF	-	801,070
- Pension	9,171,818	13,501,494
b) With non-Scheduled Banks		
- On Current Accounts	-	-
- On Deposit Accounts.	-	-
- On Saving Accounts.	-	-
5 Post Office - Saving Accounts	-	-
TOTAL (A)	351,134,594	330,233,366

..... Schedule 11 Continued on next page

NATIONAL POWER TRAINING INSTITUTE
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

(Amount - Rs.)

SCHEDULE-11 CURRENT ASSETS, LOANS, ADVANCES :(Contd.)	Current Year	Previous Year
B. LOANS ADVANCES AND OTHER ASSETS	-	-
1. Loans		
a) Staff (Statement -8)		
1) House Building Advance	-	-
2) Motor Car Advance	-	1,500
3) Computer Advance	112,256	122,220
4) Short Term Advance (Tour/Medical/TA)	856,544	1,938,522
5) Temporary Advance (Execution of work for seminar/velidictory)	1,169,759	614,679
b) Other Entities engaged in activities/objectives similar to that of the Entity.	-	-
c) Other (Specify)	-	10,000
2. Advances and other amount recoverable in cash or in kind or value to be received (Statement -9)		
a) On Capital Account	6,461,847	11,448,182
b) Prepayment	-	-
c) Prepaid expenses (Vehicle Insurance/Rent Rates etc.,)	435,998	262,201
d) Others (EMD's/Security Deposits & Other Deposits)	9,277,475	7,361,482
3. Income Accrued		
a) On Investments from Earmarked/Endowment Funds		
- GPF	3,977,221	13,664,141
- CPF	-	1,892,392
- Pension	677,578	29,231,324
- Donation	21,369	26,729
b) On investment -Others		
- On Deposit Accounts	8,340,481	15,879,329
- Depreciation	6,554,027	11,005,328
- Gratuity	241,954	1,018,956
- Leave encashment	893,014	2,407,752
c) On Loans and Advances	-	-
d) Others (includes income due unrealized)	-	-
4. Claim Receivable(TDS Recoverable / GST Input Recoverable) (Statement -10)	28,877,632	46,997,373
TOTAL (B)	67,897,155	143,882,110
TOTAL (A + B)	419,031,749	474,115,477

NATIONAL POWER TRAINING INSTITUTE
SCHEDULES FORMING PART OF INCOME & EXPENDITURE
FOR THE PERIOD/YEAR ENDED ON 31st MARCH, 2022

(Amount - Rs.)

SCHEDULE 12 - INCOME FROM SALES/SERVICES	Current Year	Previous Year
1. Income from Sales		
a) Sales of Finished Goods - C.B.T (Computer Based Training)	-	-
- Sale of Publication / Mannuals	107,634	68,592
b) Sale of Raw Material	-	-
c) Sale of Scraps	620,946	-
2. Income from Services	-	-
a) Labour and Processing Charges	-	-
b) Professional fee recieved from Client Organisations	38,387,334	44,047,213
c) Agency Commission and Brokerage	-	-
d) Maintenance Services (Equipment/Property)	-	-
e) Others (Specify)	-	-
TOTAL	39,115,914	44,115,805

(Amount - Rs.)

SCHEDULE 13 - GRANTS/SUBSIDIES	Current Year	Previous Year
(Irrevocable Grants & Subsidies Received)		
1) Central Government	-	-
2) State Government(s)	-	-
3) Government Agencies	-	-
4) Institutions/Welfare Bodies	-	-
5) International Organizations	-	-
6) Others (Specify)	-	-
TOTAL	-	-

(Amount - Rs.)

SCHEDULE 14 - FEES/SUBSCRIPTIONS	Current Year	Previous Year
1) Entrance Fees	-	-
2) Annual Fees/Subscriptions	-	-
3) Seminar/Programme Fees	30,933,121	25,891,663
4) Consultancy Fees	-	-
5) Others - (Trg./PGDC/PDC/Other Fee) (Statement - 11)	154,531,837	113,669,088
TOTAL	185,464,958	139,560,751

NATIONAL POWER TRAINING INSTITUTE
SCHEDULES FORMING PART OF INCOME & EXPENDITURE
FOR THE PERIOD/YEAR ENDED ON 31st MARCH, 2022

(Amount - Rs.)

SCHEDULE 15 - INCOME FROM INVESTMENTS	Current Year	Previous Year
(Income on Invest from Earmarked/Endowment Funds transferred to Funds)		
1. Interest		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
2. Dividends		
a) On Shares	-	-
b) On Mutual Fund/Securities	-	-
3. Rents	-	-
4. Others (Specify)	-	-
TOTAL	-	-

SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.	Current Year	Previous Year
1. Income from Royalty	-	-
2. Income from Publications	-	-
3. Other (Specify)	-	-
TOTAL	-	-

SCHEDULE 17 - INTEREST EARNED	Current Year	Previous Year
1. On Term Deposits:		
a) With Scheduled Banks - State Bank of India		
1) Short Term Deposit	7,195,579	18,235,809
2) Depreciation Investment	6,045,348	7,488,137
3) Gratuity Investment	764,931	-
4) Leave Encashment Investment	724,921	-
b) With Non-Scheduled Banks	-	-
c) Post Office Savings Account	-	-
d) Others	30,298	-
2. On Savings Accounts:		
a) With Scheduled Banks - State Bank of India	-	-
b) With Non-Scheduled Banks	-	-
c) Post Office Savings Account	-	-
d) Others	-	-
3. On Loans:		
a) Employees/Staff	211,378	148,857
b) Others	-	-
4. Interest on Debtors and Other Receivables (Interest on Income Tax Refund)	1,752,487	-
TOTAL	16,724,942	25,872,803

NATIONAL POWER TRAINING INSTITUTE
SCHEDULES FORMING PART OF INCOME & EXPENDITURE
FOR THE PERIOD/YEAR ENDED ON 31st MARCH, 2022

(Amount - Rs.)

SCHEDULE 18 - OTHER INCOME	Current Year	Previous Year
1) Profit on Sale/disposal of Assets		
a) Owned Assets	-	-
b) Assets Acquired out of grants, or received free of cost	-	-
c) On Sale of Land to Govt. of Karnataka (Refer Note to Accounts Sl. No. 10)	27,312,683	-
2) Export Incentives realized	-	-
3) Fees for Miscellaneous Services	-	-
4) Miscellaneous Income	-	-
a) Recovery of Rent of Building/Hostel etc	17,691,505	27,121,404
b) Recovery of Electricity/Water Charges	1,220,580	1,211,005
c) Other Miscellaneous Income (Statement - 12)	4,528,417	2,169,065
TOTAL	50,753,185	30,501,474

(Amount - Rs.)

SCHEDULE 19 - INCREASE/(DECREASE) IN STOCK OF FINISHED GOODS & WORK IN PROGRESS.	Current Year	Previous Year
A) Closing Stock		
Finished Goods (NPTI Publication & Manuals)	4,910,423	5,467,297
Work in Progress	-	-
B) Less : Opening Stock		
Finished Goods (NPTI Publication & Manuals)	5,467,297	5,579,293
Work in Progress	-	-
NET INCREASE/(DECREASE) (A - B)	-556,874	-111,996

(Amount - Rs.)

SCHEDULE 20 - ESTABLISHMENT EXPENSES	Current Year	Previous Year
a) Salaries and Wages	223,024,027	211,963,573
b) Allowances & Bonus		
1. Children Education Allowances	3,356,430	3,205,760
2. Employee Medical (Current)	11,265,057	10,118,406
3. Employee Medical (Retired)	8,910,844	4,671,233
4. LTC Allowances	273,975	29,494
5. Leave Encashment	533,982	494,905
6. Traveling Allowances	933,072	1,522,426
c) Contribution to Provident Fund	-	186,360
d) Contribution to Other Fund (NPS)	9,264,461	5,896,916
e) Staff Welfare Expenses	-	-
f) Expenses on Employees - Retirement & Terminal Benefits	14,037,230	5,758,315
g) Others (Deficit & Surplus Interest GPF- Net / Telephone / Newspapers Reimbursements)	2,550,544	1,198,719
TOTAL	274,149,622	245,046,107



**NATIONAL POWER TRAINING INSTITUTE
SCHEDULES FORMING PART OF INCOME & EXPENDITURE
FOR THE PERIOD/YEAR ENDED ON 31st MARCH, 2022**

(Amount - Rs.)

SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC.	Current Year	Previous Year
a) Purchases-		
i) Trg. Aids & Equipment (Non-Capital)	3,210,358	1,151,661
ii) Publication of Training Manuals	-	33,129
b) Labour & Processing Expenses		
c) Cartage and Carriage Inwards	-	-
d) Electricity Charges	21,812,233	33,816,547
e) Water Charges	2,272,707	1,927,489
f) Insurance- Vehicles	452,946	454,392
g) Repair and Maintenance		
i) Building, Roads & Garden		
1. Security Service Charges	21,681,734	32,891,501
2. Horticulture Expenses	3,558,574	815,352
3. Housekeeping Charges	12,469,129	7,422,366
4. Annual Civil Maintenance	2,064,598	2,312,640
5. Hiring of Manpower Services	9,309,510	6,971,977
6. Electrical Annual Maintenance by CPWD	7,036,463	3,938,000
7. Other Maintenance Expenses for Building	3,827,322	1,402,786
ii) Equipments		
1. Annual Maintenance for Simulator	1,287,852	230,048
2. Annual Maintenance for RO Plant	208,246	273,630
3. Other Maintenance Expenses for Equipments	1,411,836	698,400
iii) Furniture	150,095	73,080
iv) Computers	511,101	144,929
h) Annual Maintenance Charges	18,177	41,023
i) Rent, Rates & Taxes - Property Tax/GST	2,597,209	2,639,171
j) Vehicles Running and Maintenance	2,293,683	1,034,647
k) Postage, Telephone and Communication charges Internet Charges	2,138,447	4,060,911
l) Printing & Stationery	4,540,355	1,980,956
m) Travelling Expenses	5,678,922	3,799,298
n) Expenses on Seminar/workshop	1,849,006	289,784
o) Subscription Expenses - Journals	63,530	32,362
p) Expenses on Fees	143,391	39,377
q) Audit Fees (CAG Fee)	6,822,550	2,134,220
r) Hospitality and Entertainment Expenses	-	-
s) Professional Charges		
i) Payment to Faculty	10,981,565	8,720,872
ii) Consultancy Charges	17,159,107	16,712,272
iii) Other Professional Charges	1,722,198	3,506,285
t) Provision for Bad and Doubtful Debts/Advances	-	-
u) Irrecoverable Balances Written- off	-	-
v) Packing Charges	-	-
w) Freight and Forwarding Expenses	292,342	37,577
x) Distribution Expenses	-	-
y) Advertisement and Publicity -	1,452,797	1,775,169
z) Others.		
i) Prior Period Items	5,193,870	-999,929
ii) Training Exps		
1. Mess Charges/Catering charges	9,499,942	6,038,334
2. On Job Training Expenses at Client Organisations	5,599,250	17,251,225
iii) Others - Miscellaneous Expenses (Statement - 13)	2,129,684	8,067,157
TOTAL	171,440,729	171,718,638

NATIONAL POWER TRAINING INSTITUTE
SCHEDULES FORMING PART OF INCOME & EXPENDITURE
FOR THE PERIOD/YEAR ENDED ON 31st MARCH, 2022

(Amount - Rs.)

SCHEDULE 22 - EXPENDITURE ON GRANTS, SUBSIDIES ETC.	Current Year	Previous Year
a) Grants given to Institutions/Organizations	-	-
b) Subsidies given to Institutions/Organizations	-	-
TOTAL	-	-

(Amount - Rs.)

SCHEDULE 23 - INTEREST	Current Year	Previous Year
On Fixed Loans	-	-
On other Loans (including Bank Charges)	-	-
Others (Specify)	-	-
TOTAL	-	-



FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

NATIONAL POWER TRAINING INSTITUTE (CONSOLIDATED)

SCHEDULES FORMING PART OF THE ACCOUNTS

FOR THE PERIOD ENDED 31st March, 2022.

CORPORATE OFFICE, FARIDABAD

SCHEDULE-24 SIGNIFICANT ACCOUNTING POLICIES

1. ACCOUNTING CONVENTION

The financial statements are prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting.

2. INVENTORY VALUATION

2.1 Inventories are valued at cost.

2.2 Postage Stamps, Stationery & House-keeping consumable items are fully charged to the Income & Expenditure account in the year of purchase.

3. INVESTMENTS

3.1 Investments classified as “Long term investments” are carried at cost. Provision for decline, other than temporary, is made in carrying cost of such investments.

3.2 Investments classified as “Short term investments” are carried at lower of cost and fair value.

4. GST

4.1 Liability of GST in respect of Training & Consultancy provided by the Institutes/units/ entity is accounted as per GST provisions.

5. FIXED ASSETS

5.1. Fixed Assets are stated at historical cost comprising of purchases price, freight, inward, duties & taxes and incidental & attributable cost of bringing the assets to its working conditions for its intended use.

5.2. In case of Commissioned assets, works/cost-puts-plus contracts where final settlement or bills with contractors is yet to be affected, capitalization is done on provisional basis subject to necessary adjustment in the year of final settlement.

5.3. Expenditure on Renovation & Modernization of Fixed Assets resulting in increased life and/or efficiency of an existing Asset is added to the cost of related Assets.

- 5.4. Machinery spares which can be used only in connection with an item of fixed asset and whose use is expected to be irregular are capitalized separately at the time of purchase and depreciated over the residual useful life of the related Plant & Machinery.
- 5.5. Machinery spares other than those covered in (5.4) above are charged to Income & Expenditure Account as and when issued for consumption.

6. DEPRECIATION

- 6.1. Depreciation on the assets is charged on written Down Value (WDV) method except on unserviceable items at the rate specified under the Income Tax Act, 1961 as mentioned below:-

Assets category/ type	Rate of Depreciation	Assets category/type	Rate of Depreciation
Office Buildings/ Building others	10%	Computer, Printers & Peripherals	40%
Residential Buildings - Permanent	5%	Photocopy / Duplicating Machines	40%
Vehicles/Cars/ Buses/Jeeps etc.	15%	Plant & Machinery	15%
Furniture & Fixture (office/ Residential)	10%	Library Books	40%
Electrical Installation / others	15%	Office Equipment / other Equipment's	15%
Simulator (Plant & Machinery)	15%	Air conditioners / water coolers / Refrigerators / Fans etc.	15%

- 6.2 In respect of additions to / Deductions from fixed Assets during the year depreciation is considered on pro rata basis as under:

- Assets acquired/put to use for up to 180 days = Depreciation for six months.
- Assets acquired/put to use for more than 180 days = Depreciation for full year.

- 6.3 Assets costing up to Rs.5000 are fully provided.

7. MISCELLANEOUS EXPENDITURE

Deferred Revenue expenditure is written off over a period of 5 years from the year of it is incurred.



8. ACCOUNTING FOR SALES & SERVICES

Income from sales & services are net of Sales Returns, Rebate and Trade Discounts and excludes GST.

9. GOVERNMENT GRANTS/SUBSIDIES

9.1 Government Grants of the nature of contribution towards Capital cost of setting up projects are treated as Corpus.

9.2 Government grants are accounted on realization basis.

9.3 Expenditure incurred under various Schemes against Grants received from Ministry of Power, Government of India is accounted for the year of release of Grant.

10. FOREIGN CURRENCY TRANSACTIONS

10.1 Transactions denominated in foreign currency are accounted at the exchange rate prevailing at the date of transaction.

10.2 Current Assets, foreign currency loans and current liabilities are converted at the exchange rate prevailing as at the year end and the resultants gain/loss is charged to income and expenditure account.

11. LEASE

Lease rentals are expensed with reference to lease terms.

12. RETIREMENT BENEFITS

12.1 Liability towards gratuity payable on death/retirement, accumulated leave encashment and commutation value of Pension of NPTI employees covered under old pension scheme is on actual basis as Ministry of Power is providing Grant-in-Aid for strengthening of pension fund.

12.2 New Pension contribution of employees of NPTI since 01.01.2004 onwards has been transferred to NSDL as per Government norms.

12.3 Provision for Leave salary and Gratuity of the employees covered under NPS w.e.f. 01.01.2004 onwards have been made based on the actuarial carried out. The provision has been made in Corporate Office Balance Sheet and the funds have been invested in SBI in the form of FDR's.

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

NATIONAL POWER TRAINING INSTITUTE

(CONSOLIDATED)

SCHEDULE FORMING PART OF THE ACCOUNTS

FOR THE PERIOD ENDED 31st March, 2022.

SCHEDULE- 25 CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS:

1. CONTINGENT LIABILITIES

- Contingent Claims against the NPTI not acknowledged as debt amounting to Rs. 1,85,72,701/- are as under:

(Amt. in Rs.)

Sl. No	Name of Institute	Particulars	Contingent liability as on 31.03.22	
1.	NPTI, Badarpur	Capital Works	63,24,458/-	Cases are pending in Supreme Court
2.		Land Compensation cases	--	--
3.	NPTI, Durgapur	Disputed tax matters	1,22,48,243/-	Pending with Commissioner, Service Tax Appeals, Siliguri / CESTAT, Kolkata.
4.		Others	--	--
		Total	1,85,72,701/-	

2. CAPITAL COMMITMENTS

- Estimated value of Contracts remaining to be executed on Capital Accounts and not provided for amounting to Rs.NIL as on 31.03.2022.

3. LEASE OBLIGATIONS

- There is Lease obligations on account of future rentals of Plant & Machinery under finance lease arrangement amounting to Rs. NIL as on 31.03.2022.

4. CURRENT ASSETS, LOANS AND ADVANCES

- In the opinion of the management, the Current Assets, Loans and Advances have a value on realization in the ordinary courses of business, equal at least to the aggregate amount shown in the Balance Sheet. Publication of NPTI Journals, Manuals have been included in Inventory.



5. FOREIGN CURRENCY TRANSACTIONS

Expenditure / Receipts in Foreign Currency in NPTI during the Financial Year 2021-22 is NIL.

6. INVESTMENTS

As per approval of Standing Committee of Governing Council of NPTI and as per MOP letter No.27/4/2006-T&R dated 26.09.2006, the Corpus fund/surplus funds have been invested with State Bank of India in FDRs to earn interest with secured investment.

7. GOVERNMENT GRANT

Plan Fund received from the Ministry of Power, Govt. of India towards Capital Expenditure and purchase of Assets is treated as contribution to the Corpus Fund.

Non-Plan fund is received from the Ministry of Power, Govt., of India for Augmentation of Pension Fund of NPTI to discharge the liabilities of NPTI's Employees' Pension and retirement benefits for the employees covered under old pension scheme. (For employees appointed before 01.01.2004). The amount received from MoP for strengthening of pension fund has been invested with LIC of India.

8. DEPRICIATION ON ASSETS CAPITALISED DURING FY 2021-22

During the previous Financial Year 2020-21, Assets amounting to Rs. 213,17,89,000/- in respect of "Modernisation of 9 existing Regional Institutes and Establishment of 2 new Institutes of NPTI" at Alappuzha, Kerala and Shivpuri, M.P. was capitalised on provisional basis and due to the same no depreciation was charged on these Assets. During reported Financial Year 2021-22, based on the approved RCE amounting to Rs. 217,45,44,050/- these Assets have been finally capitalised and depreciation of Rs. 36,23,90,762/- as "Depreciation of Prior Period" and Rs. 20,89,29,169/- as "Depreciation of Current Financial Year" have been charged.

9. ACTUARIAL VALUATION OF SUPERANNUATION BENEFITS FOR FY 2021-22

Actuarial Valuation for Employees benefits of NPTI employees for the FY 2021-22 have got done through the Professional Actuary as under: -

- (i) For employees covered under "old pension scheme" liabilities towards actuarial valuation for Pension, Gratuity and Leave Encashment as on 31.03.2022 works out to Rs. 275,62,91,431/-. However, the same has been accounted for to the extent of funds received from MOP, Gol amounting to Rs. 70,01,67,240/-.

- (ii) For employees covered under “New pension scheme” actuarial valuation for Gratuity and Leave Encashment as on 31.03.2022 works out to Rs. 7,73,78,691/- which has been provided in the Annual Accounts.

10. AQUISITION OF LAND BY KARNATAKA GOVERNMENT AT HLTC-BANGALORE

Out of the total Land of 2,30,064 Sqr. Mtrs. at HLTC, Bangalore, Govt. of Karnataka acquired land measuring 1030Sqr. Mtrs. and during the FY 2021-22 have paid an amount of Rs. 2,73,30,507/- as compensation against the acquired land. Accordingly, originally Land amounting to Rs. 17,824/- on estimated basis has been de-capitalised and balance amount of Rs. 2,73,12,683/- has been booked as Income. (refer. Sl. no. 1(c), of schedule-18 of Balance Sheet)

11. CONFIRMATION OF BALANCES FROM SUNDRY DEBTORS

Letters for confirmation of balance as on 31.03.2022 has been sent to Sundry Debtors through “Speed-Post”. However, confirmations have not been received from concerned Debtors so far.

12. MEDICAL REIMBURSEMENT TO RETIRED EMPLOYEES

Reimbursement of medical expenses (for indoor/outdoor treatments) and recognition of all Government and Municipal hospital under CS(MA) rules were approved in respect of employees (including retired employees) and their dependent family members by the Standing Committee in its meeting held on 25.6.1990. NPTI is collecting annual subscription from its retired employees as per their pay level against the Medical reimbursement facility.

13. Figures of the previous period/year have been re-grouped / re-arranged wherever considered necessary.

NATIONAL POWER TRAINING INSTITUTE
FROM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED ON 31st MARCH, 2022

(Amount - Rs.)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
I. Opening Balances			Expenses		
a) Cash in hand	-	-	a) Establishments Exp.	274,149,622	244,196,342
b) Bank Balances			b) Administrative Exp.	108,182,019	163,388,349
In current accounts	45,688,285	38,366,121	Payments made against funds for various projects	-	-
In deposit accounts	141,465,346	301,707,473	Investments and deposits made		
In savings accounts	22,611,122	32,046,228	a) Out of Earmarked/Endow. Funds	120,000,000	180,000,000
II. Grants Received			b) Out of Own Funds.	-	-
From Government of India			Expenditure on Fixed Assets & Capital Work-in-Progress		
1. Plan	40,702,359	4,468,000	a) Purchase of Fixed Assets	3,690,252	1,788,869
2. Non-Plan	120,000,000	180,000,000	b) Exp. On Capital Work-in Progs. (Plan Fund)	-	4,468,000
From State Government	-	-	Refund of Surplus money/ Loans		
From Other Sources	-	-	a) To the Govt. of India	-	-
Income on Investments from			b) To the State Government	-	-
a) Earmarked/Endow. Funds	75,760,652	60,447,464	c) To other providers of Funds.	-	-
b) Own Funds	12,818,687	4,262,526			
Interest Received					
a) On Bank deposits	14,734,427	30,329,523			
IV					

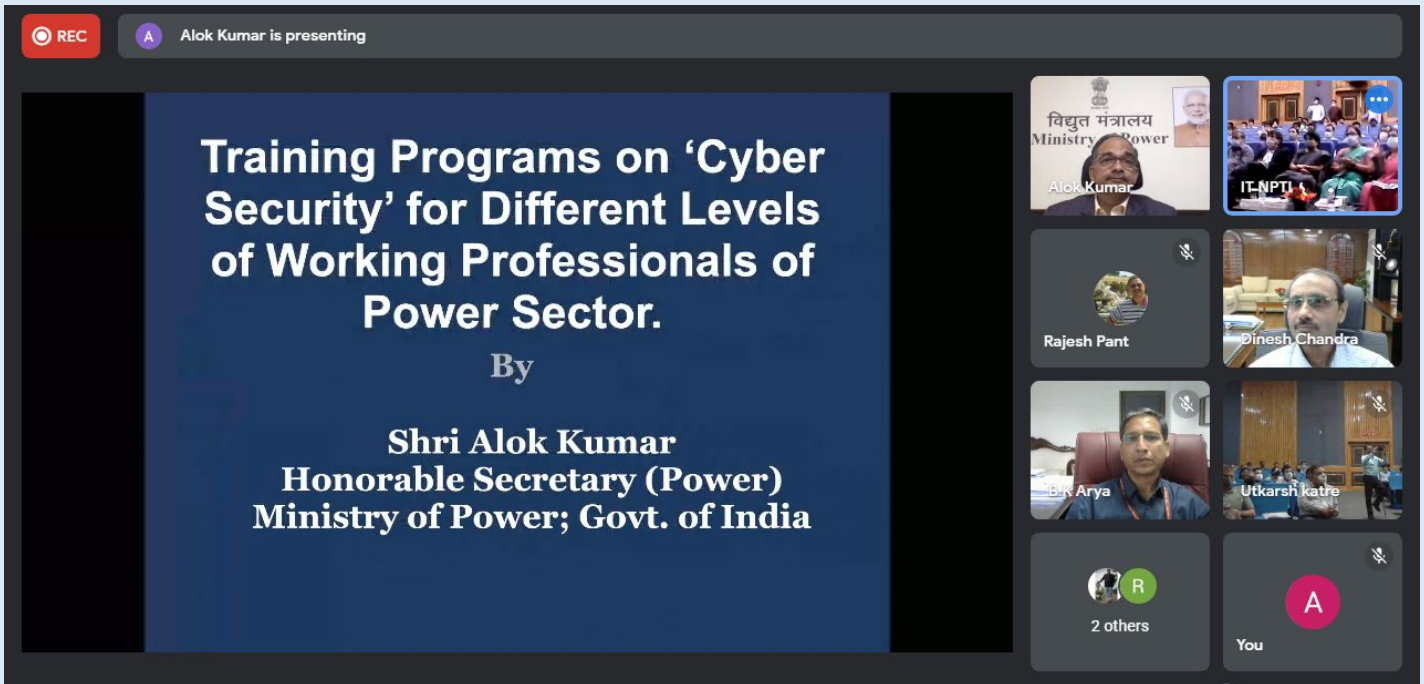
V	b) Loans, Advances etc. Other Income (Specify) Income from Sales/ Services	1,963,865 215,200,579	145,857 182,832,220	VI VII	Finance Charges (Interest) Other Payments (Specify)	- 131,934,439	- 46,186,186
VI	Amount Borrowed	-	-	VIII	Closing Balance a) Cash in hand b) Bank Balances	- -	- -
VII	Any other receipts	144,284,506	15,187,088		In current accounts In deposit accounts In savings accounts	101,319,443 70,907,498 25,046,555	45,688,285 141,465,346 22,611,122
	TOTAL	835,229,828	849,792,499		TOTAL	835,229,828	849,792,499

For and on behalf of NPTI

(R.P. Goyal)
 Director (Finance)

For and on behalf of NPTI

(Dr. Tripta Thakur)
 Director General



One day National Seminar on “Increasing Cyber Resilience of the Nation” organised by NPTI & CEA, at NPTI, (CO), Faridabad 28th Oct inaugurated by Shri Alok Kumar, Secretary MoP & launch of Curriculum on Cyber Security, in the presence of Chairman, Member(GO&D), CE (IT & CS), CEA, NCSC & DG, NPTI.



Inauguration of NPTI Training Program for Capacity Building of DISCOMs (DHBVN, UHBVN) under RDSS by Shri Alok Kumar, Hon’ble Secretary Power, Govt. of India in the august presence of Shri Vishal Kapoor, JS. Distribution, MoP. Gol. R.S. Dhillon, CMD, PFC, Shri Saurav Kumar Shah, ED, PFC and Dr. Tripta Thakur, DG, NPTI at NPTI Faridabad on 20.12.2021.



Dr. Tripta Thakur, Director General, NPTI held a formal meeting with Shri R.K Singh, Hon'ble Power Minister, Govt. of India and briefed about NPTI and its future planning.



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