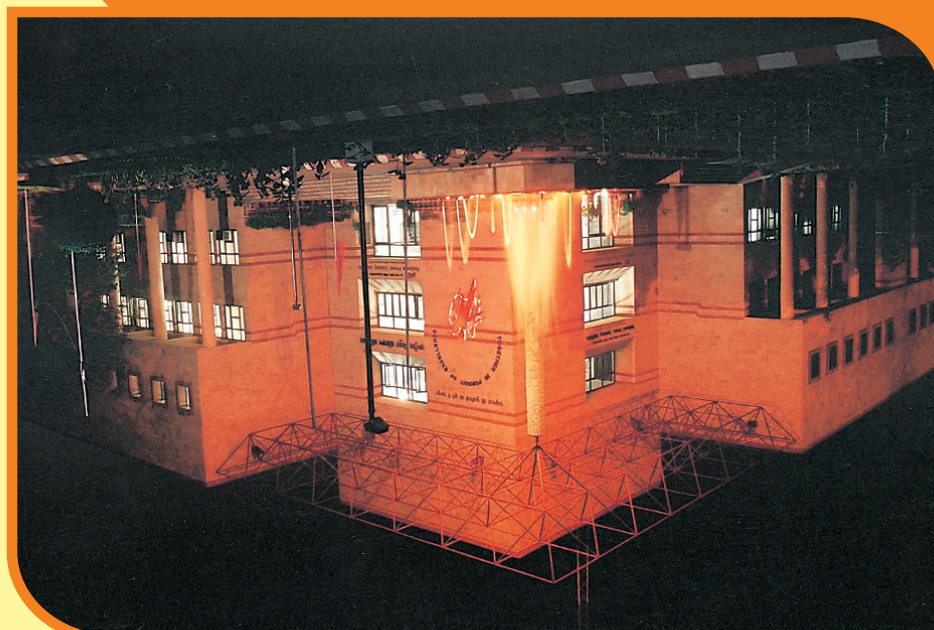


राष्ट्रीय विद्युत प्रशिक्षण प्रतिष्ठान  
(आइएएससी 9001 एवं आइएससी 14001 प्रमाणित)  
विद्युत मंत्रालय, भारत सरकार  
सेक्टर - 33, फरीदाबाद - 121 003 हरियाणा  
Website : [www.npti.in](http://www.npti.in)



We energize people Who energize the nation

# 2009-2010 संक्षिप्त वार्षिक प्रतिवेदन



उत्कृष्टता की बुलन्दियों को छूने में एकजुट

उत्कृष्टता की बुलन्दियों को छूने में एकजुट



# Annual Report 2009-2010

We energize people Who energize the nation



**National Power Training Institute**

An ISO 9001 & ISO 14001 Organization  
(Ministry of Power, Govt. of India)

NPTI Complex, Sector -33, Faridabad - 121003, India

Website : [www.npti.in](http://www.npti.in)





ਸ਼੍ਰੀ ਸੁਸ਼ੀਲਕੁਮਾਰ ਸ਼ਿੰਦੇ, ਮਾਨੀਯ ਵਿਦੁਤ ਮੰਤ੍ਰੀ ਏਨਪੀਟੀਆਈ (ਏਨਡੀਏਆਰ),  
ਗੁਵਾਹਾਟੀ ਸੋਂ ਉਦਘਾਟਨ ਸਮਾਗਨ ਸਮਾਪਤੀ ਸੋਂ ਸੰਬੋਧਿਤ ਕਰਦੇ ਹੁੰਦੇ



Hon'ble Minister of Power Shri Sushilkumar Shinde  
on the Inauguration of Hydro Power Training Centre, Nangal



---

# Annual Report 2009-2010

उत्कृष्टता की बुलन्दियों को छूने में एकजुट



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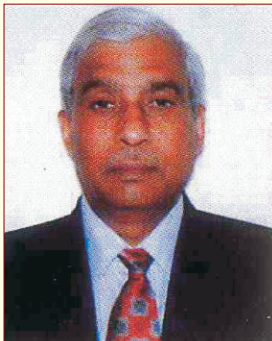
# GOVERNING COUNCIL NATIONAL POWER TRAINING INSTITUTE



**Shri P. Uma Shankar**  
*Secretary, Ministry of Power*  
*Chairman Governing Council*



**Shri Gurdial Singh**  
*Chairperson, CEA*  
*Vice-Chairman, Governing Council*



**Shri S. M. Dhiman**  
*Member (GO&D), CEA*  
*Permanent Member*



**Shri Rakesh Jain**  
*Joint Secretary & FA*  
*Ministry of Power*  
*Permanent Member*



**Dr. M. Ravi Kanth**  
*Joint Secretary (T&R)*  
*Ministry of Power*  
*Permanent Member*



**Shri Subodh Garg**  
*Director General, NPTI*  
*Member Secretary,*  
*Governing Council*





## **NATIONAL POWER TRAINING INSTITUTE**

### **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.

### **VISION**

NPTI cherishes a vision of value orientation and value addition to the national and transnational power and energy sectors through Training and Human Resources Development, endeavoring to energize people who energize the nations.

### **MISSION**

Emerge as global leaders in enhancing human and organizations excellence in Power and Energy Sectors by blending frontier Technologies with Management to facilitate HRD interventions that are instrumental in providing reliable, safe, economic and clean power.

### **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.



## FOREWORD



I take the privilege of presenting the Annual Report of National Power Training Institute for the year 2009-2010.

With the active support from the Ministry of Power & our valued clientele, we have once again achieved the highest performance. The key performance parameters during the year 2009-10 have touched a new peak which is the highest ever in the history of NPTI as indicated below :

- The revenue earnings of Rs.3579.24 lakhs as against Rs.3104.25 lakhs in the previous year.
- The revenue savings stand at Rs.602.96 lakhs as against Rs.341.51 lakhs in the previous year.
- The Trainee Weeks achieved are 1,15,132 which is 101.61% above the previous year.
- The number of trainees trained is 14,869 which are 104.66 % above the previous year.

The above results have been achieved by reducing the dependence of educational courses and putting more emphasis on training areas which was the core activity for which NPTI had been created. Another new area is the consultancy, which has contributed almost 10% of the revenue earnings.

NPTI has taken a number of innovative endeavors with a view to enlarge its operations as under:-

### Consultancy Services

In order to serve the industry requirements and make best usage of infrastructure and expertise, NPTI has ventured into providing consultancy services in the field of Human Resources Development including Training Need Analysis, Upgradation of training facilities, Customized Course Designs, Capacity Assessment/Evaluation for Promotion/Recruitment etc. NPTI also provides consultancy in Preparation of DPRs under R-APDRP (11<sup>th</sup> Plan) and NPTI is also REC Quality Monitors (RQM) for Tier-II Inspection of RGGVY Works under 11<sup>th</sup> Plan for Six States. NPTI has also been awarded the Third Party Inspecting Agency (TPIA) works for a few DISCOMs for the RGGVY works under the 10<sup>th</sup> Plan & 11<sup>th</sup> Plan.

### Customized Training Programs

A number of customized training programs for foreign as-well-as National Customers have been conducted. These programs have benefited the executives from the Organisations – Power Grid Corpn, of India Ltd. Satluj Jal Vidyut Nigam Ltd, National Hydroelectric Power Corpn .Ltd., J&K State Power Development Corpn., Delhi Transco Ltd., Gujarat State Electricity Corpn. Ltd., Damodar Valley Corporation, Tehri Hydro Development Corpn., Durgapur Projects Limited, Powerlink Transmission Limited. NALCO, Reliance Energy Ltd. etc.

### Training Programs for Foreign Nationals

As many as 143 personnel from the countries – Oman, Kazakhstan, Bhutan, Thailand, Ethiopia, Cameroon, Algeria, Ghana, Dominica, Afghanistan, Botswana, Myanmar, Nigeria, Sri Lanka, Libya and Nepal have been imparted training in India.

### Indo-German Energy Program

M/s. Evonik Energy Services (India) Pvt. Ltd. have entered into a long-term association with NPTI to implement the





Project “Power Plant Performance Reporting and Improvement under “Energy Conservation Act” in the country by way of organizing training programs/seminars/workshop etc. This program is conducted in cooperation with CEA and BEE. As many as 20 workshops have been organised for energy managers and energy auditors in the application of guidelines for energy audit of thermal power stations during May 2009 to Sept-2009. The topics covered during the workshops were Energy Conservation Act 2001 and its implications on power sector, energy audit methodology of boiler, turbine, condenser, power station pumps, pulverisers, auxiliary power consumption, coal handling plant and ash handling plant energy audit technology.

### **Certificate of Competency in Power Distribution**

NPTI in collaboration with IGNOU, Ministry of Power-USAID and Power Finance Corpn. Ltd. launched a six month distance learning program on “Certificate of Competency in Power Distribution. The program is being conducted at NPTI (WR), Nagpur, NPTI (ER), Durgapur, NPTI (NE-R), Guwahati, NPTI (SR), Neyveli, REMI (Mumbai), SOUTHCO, Orissa, WESCO, Orissa, and ETI, Lucknow. The program is designed for electricians atleast class VIII pass to upgrade the skills enhancing efficiency and delivery of quality power.

### **Training Programs on Regulatory Issues for Forum of Regulators**

NPTI organised short-term training programs for senior level officers from various Regulatory bodies and Load Despatch Centres under the aegis of Forum of Regulators. These programs were organised on residential basis and covered the following areas:

- Open Access, Role of Load Despatch Centres and Power Markets
- Demand Side Management and energy efficiency
- Demand Side Management and Load Research

### **Plan Funds Utilisation**

During the year 2009-10, Ministry of Power released Plan funds of the order of Rs. 20.00 crores for different schemes which have been fully utilized.

### **Recognition**

Hot Line Training Centre of NPTI has been awarded trophy by M/s. Hubbell Power Systems / (AB) Chance Co. USA for the year 2009 '**Honouring Dedication to Live Line Maintenance Training in India.**'

I am extremely grateful to the Hon'ble Minister of Power, the Hon'ble Minister of State for Power, the Secretary (Power), Joint Secretary (T&R), Joint Secretary & FA and other officers of the Ministry of Power for the immense support and guidance provided by them. I am also grateful to the officers of CEA and the Statutory Auditors of the Institute for all their support and guidance extended in ensuring smooth and successful operations of the Institute. I extend my special thanks to the members of Standing Committee and Governing Council for their valuable guidance and support in achieving excellent performance of the Institute. I take this opportunity to acknowledge the hard work, dedication and commitment by the officers and staff of the Institute at all levels.

I convey my special thanks to all other stakeholders of the Institute for extending their valuable support and cooperation and reposting continued trust and confidence the performance of the Institute. I look forward to continued cooperation by all to take NPTI to new heights.

**(Subodh Garg)**  
**Director General**

**Faridabad**





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## CHAPTER - 1

### ORGANISATION

#### 1.0 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 with its Corporate Office at Faridabad. NPTI had been providing its dedicated service for more than four decades. NPTI operates on an all India basis through its nine Institutes in different zones of the country as per details below:-

#### **A. Northern Region**

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

#### **B. Southern Region**

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

#### **C. Eastern & North Eastern Region**

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

#### **D. Western Region**

9. NPTI (Western Region), Nagpur

#### **Power Training Simulators**

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. It has 500 MW Thermal Power Training Simulator at Faridabad Institute and 210 MW Thermal Power Training Simulator





at Nagpur Institute for imparting specialized skills to operation personnel across the country. Also a 430 MW (2x143 MW Gas Turbine and 1 x 144 MW Steam Turbines). Full Scope Combined Cycle Gas Turbine Replica Simulator has been commissioned at NPTI Corporate Office, Faridabad. A High fidelity Load Dispatch Operator Simulator for the National Grid will be shortly installed at PSTI, Bangalore.

### ***Manpower Training and Academic Programmes***

Several long-term, medium term and short-term training programs in the areas of Thermal, Hydro, Transmission & Distribution and Management, Regulatory affairs etc. are being conducted in the various Institutes of NPTI. Customized training programs for various Power Utilities are also organized round the year. NPTI also conducts various training programmes to ensure availability of properly trained personnel to man the Indian Electricity Industry under Rule 3, Sub Rule 2A of Indian Electricity Rules, 1956 amended in 1981.

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

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

- Two Year MBA in Power Management approved by AICTE
- Four Year B.Tech Degree in Power Engineering approved by AICTE
- One Year Post Graduate Diploma Course in Thermal Power Plant Engineering
- One Year Post Diploma Course in Thermal Power Plant Engineering
- One Year Post Graduate Diploma in GIS and Remote Sensing (RS)
- Nine Months Post Graduate Diploma Course in Hydro Power Plant Engg.
- Six Months O&M of Transmission and Distribution System for Engineers

### ***International Training***

Professionals from various countries like Oman, Bangladesh, Cambodia, Bhutan, Ethiopia, Iraq, Kenya, Malaysia, Mexico, Myanmar, Nepal, Nigeria, Afghanistan, Philippines, Sudan, Syria, Zambia, ZESA, Zimbabwe etc. have also undergone training at NPTI's various training Institutes.

## ***Geographical Information System GIS***

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

## ***Hot Line Training Centre***

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

## ***Consultancy Services***

In order to serve the industry requirements and make best usage of infrastructure and expertise, NPTI has ventured into providing consultancy services in Preparation of DPRs under R-APDRP (11<sup>th</sup> Plan) and NPTI has also been appointed as REC Quality Monitor (RQM) for Tier-II Inspection of RGGVY Works under 11<sup>th</sup> Plan for Six States. NPTI has also been awarded the Third Party Inspecting Agency (TPIA) works by a few DISCOMs for the RGGVY works under the 10<sup>th</sup> Plan & 11<sup>th</sup> Plan.

NPTI also provides consultancy in the field of Human Resources Development including Training Need Analysis, Upgradation of training facilities, Customized Course Designs, Capacity Assessment/Evaluation for Promotion etc.

## **1.1 OBJECTIVES**

### ***1.1.1 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.





### 1.1.2 *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.

## 1.2 ORGANISATIONAL SET UP

### 1.2.1 *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-Secy. |

### 1.2.2 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 Elec. Authority   | Vice –Chairman |
| iii) Member (GO&D), Central Elec. Authority  | Member         |
| iv) Joint Secretary (Trg. & Res.), Ministry of Power   | Member         |
| v) Joint Secretary & Financial Adviser, Ministry of Power  | Member         |
| vi) Five Representatives from State Electricity Boards/<br>State Utilities– one each from each Region<br>on a rotational basis   | Members        |
| vii) Representative from National Thermal Power Corpn.   | Member         |
| viii) Representative from Power Grid Corpn. of India Ltd.  | Member         |
| ix) Representative from National Hydroelectric Power Corpn.  | Member         |
| x) Six persons of eminence one each from the fields<br>of Technical Education, Management, Power<br>Equipment Manufacturing industry, Power Development,<br>Non-Conventional Energy Sources and Energy<br>Conservation/Rural Electrification - Nominated by the<br>Government of India | Members        |
| xi) Director General, National Power Training Institute  | Member–Secy.   |

### 1.2.3 Standing Committee of the Governing Council of NPTI

The Governing Council has authorised 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: -

- |      |  |          |
|------|--|----------|
| i)   | Director General, National Power Training Institute    | Chairman |
| ii)  | Joint Secretary (Training), Ministry of Power          | Member   |
| iii) | Joint Secretary & Financial Adviser, Ministry of Power | Member   |
| iv)  | Chief Engineer (HRM), Central Electricity Authority    | Member   |

#### **1.2.4 Management Council of the Institute**

The affairs of the Training Institutes of NPTI are managed, administered, directed and controlled by the Management Councils of the Institutes in accordance with the Rules & Regulations and Bye-Laws of NPTI.

#### **1.2.5 Apex Management of NPTI**

- i) President of NPTI
- ii) Governing Council
- iii) Standing Committee of the Governing Council
- iv) Director General
- v) Management Councils of the Regional Training Institutes
- vi) Principal Directors/HOI of the Regional Training Institutes
- vii) Head of the Centre for Advanced Management and Power Studies

The Organisational Chart is given at **Annexure 'A'**

#### **1.2.6 Funding**

The funds of the Society consists of the following:

- i) Grant-in-aid released by the Government of India, Ministry of Power
- ii) Training Fees
- iii) Income from investments
- iv) Receipts of the Society from other sources

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.

#### **1.2.7 Human Resources**

The Category-wise posts sanctioned, filled and vacant, as on 31.3.2010 are as follows:

S. No.	Category/ No. of Posts	Sanctioned	Filled	Vacant
1.	Group 'A'	144	109	35
2.	Group 'B'	28	19	09
3	Group 'C'	158	136	22
4.	Group 'D'	119	118	01
<b>Total</b>		<b>449</b>	<b>382</b>	<b>67</b>

### 1.2.8 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 given due encouragement.

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.

Meetings 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, 10 officers/staff of NPTI Corporate Office and 03 Officers/Staff of Nagpur and Badarpur 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 7.9.2009 to 17.9.2009. In order to step up the use of Hindi in official work, competitions in Hindi Essay writing, Hindi debate, Hindi poetry. Hindi noting and drafting etc. were organised. Officers/ employees took part in the competitions and winners were conferred with certificate/cash awards. 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.

During the year 2009-10, 53 Computer training programs in Hindi were organized by the NPTI for the employees of Central Government Departments, PSUs, Banks etc. These programs were sponsored by the Rajbhasha Vibhag, Ministry of Home Affairs, Govt. of India.

Committee on Parliament on Official Language inspected the progress use of Hindi of NPTI (Northern Region), Badarpur, New Delhi on 20.1.2010. A letter of appreciation was received from the convener Dr. Nirmal Khatri, Hon'ble Member of Parliament for commendable le work done by the NPTI (NR), Badarpur for the use of Official Language in training.





### **1.2.9 Grievance Cell**

In order to implement the instructions of Deptt. of Administrative Reforms & Public Grievances, Shri S.K.Choudhary, Director (CAMPS)), Corporate Office has been nominated as Grievance Officer of NPTI Corporate Office and its Institutes. During the year 07 cases relating to service matters were reported out of which 05 have been disposed off and 02 cases are under examination.

### **1.2.10 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. Shri Mahesh Kumar, Director, NPTI Corporate Office, Faridabad has been appointed as Public Information Officer of NPTI. During the year 46 requests were received for providing information etc. which have been settled, as per rules.

### **1.2.11 Vigilance Activities**

Shri S.K.Choudhary, Director has been appointed as Part-time Chief Vigilance Officer of NPTI as an additional responsibility. At the beginning of the year, 07 disciplinary/vigilance cases were pending. 03 Vigilance and 01 Disciplinary case were reported during the year. Two number of Vigilance cases.

A Vigilance Awareness Week from 3.11.2009 to 7.11.2009 was observed at NPTI Corporate Office/Institutes to emphasize and maintain the integrity/transparency by all concerned.

CVO had visited NPTI (SR), Neyveli; PSTI-Bangalore and NPTI (NR), Badarpur, New Delhi and delivered lectures on Preventive Vigilance to create awareness among officers and employees.

CVO alongwith Shri Mukesh Kumar, Asstt. Director attended vigilance training programs organized by Central Bureau of Investigation at Ghaziabad from 27.7.2009 to 31.7.2009.

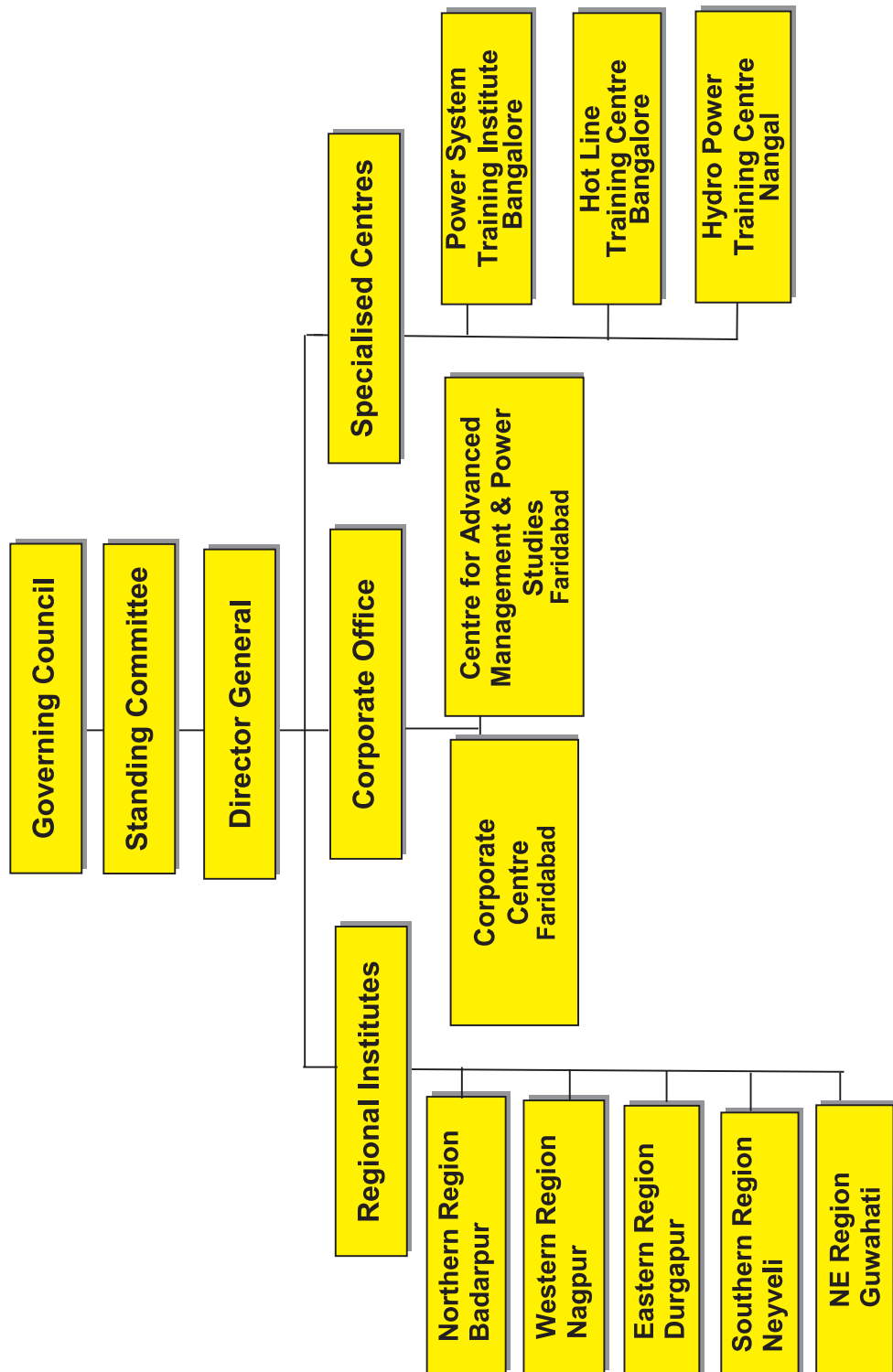
### **1.2.12 ISO 9001:2000 & 14001 Quality & Environmental Management Systems at NPTI and its Regional Institutes**

NPTI Corporate Centre and its Institutes have been certified by M/s. SAI Global for ISO 9001:2008 & 14001:2004 Quality & Environmental Management Systems. The certification agency conducted surveillance audits on 5.11.2009 and 16.11.2009 at Durgapur and Faridabad Institutes on sampling basis and granted continuation of ISO 9001:2008 and 14000:2004 Certificates for 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 9001:2008 & ISO 14001:2000 at NPTI Corporate Office and Regional Institutes.

Annexure- ‘A’

# Organizational Chart of NPTI







DURGAPUR



NEYVELI



NEW DELHI



BENGALURU



FARIDABAD



NANGAL



NAGPUR



BENGALURU



GUWAHATI

*Institutes of NPTI*

## CHAPTER - 2

### INFRASTRUCTURAL FACILITIES

#### 2.1 Corporate Centre, Faridabad

NPTI's Corporate Centre campus is spread over a picturesque landscape of about 15 acres in Faridabad in the suburbs of New Delhi in the National Capital Region (NCR). The campus is located, just about 5 kms from New Delhi – Haryana Border, about 30 kms from the International Airport and 25 kms from New Delhi Railway Station.

The Campus houses the Institute building, Guest House, Hostels, Sports facilities and Residential quarters for the employees. The main Institute building houses lecture halls, Syndicate Room, Board Room (Sanctum Sanctorum), Library, a Real-time Full-scope & DDC based Dual facility 500 MW Training Simulator, a 430 MW Full Scope Combined Cycle Gas Turbine Simulator, IT Centre, and the associated offices etc. A centrally air conditioned 275 seat capacity Auditorium with latest Audio/Video System has been established. A Conference Hall (55 seats) is also available for holding seminars, workshops and conferences. NPTI has an exclusive multi-media Computer Based Training (CBT) Packages Development Centre. A GIS Resource Centre has also been established at the Corporate Office, Faridabad.

##### 2.1.1 *Hostel*

Well furnished Executive Hostel and Trainee Hostel with lodging and boarding facilities are available to accommodate about 550 trainees at NPTI Complex, Faridabad. Separate Girl's hostel with a capacity of 25 inmates is also available for female trainees.

##### 2.1.2 *Library*

The NPTI's Corporate Centre library has a large collection of books and video packages on Modern Power Station Technology, various branches of Engineering, Computer Sciences, Industrial Relations, Management, Power Reforms, Regulatory issues, Attitudinal Reorientation etc. It also subscribes to a number of Indian and foreign technical journals and periodicals.

As many as ---75 Technical Manuals/Books have been published by NPTI with lucid presentations to enhance the conceptual understanding of various sub-systems. These are available at nominal prices for procurement by Power Utilities and industries.

##### 2.1.3 *Sports facilities*

Indoor and outdoor sports and games facilities such as Basketball, Volleyball, Badminton, Tennis, Table Tennis, Carom, 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.

## 2.2 Centre for Advanced Management and Power Studies (CAMPS)

NPTI has established a Centre for Advanced Management and Power Studies (CAMPS) at the Corporate Office, Faridabad for the higher echelons of Power Sector. Under the auspices of CAMPS, a 2-year MBA in Power Management Program is being organized. CAMPS also offers several highly specialized programs, seminars and workshops on Frontier Technologies and Managerial aspects, Regulatory Issues etc. for the higher echelons of the Power & allied Energy Sectors.

## 2.3 Centre for Excellence in GIS & Remote Sensing

A Centre of Excellence in (Geographical Information Systems) GIS has been established at NPTI Complex, Faridabad in technical collaboration with M/s. CES Technologies Private Limited, engaged in IT consultancy and GIS enabled services. The Centre of Excellence in GIS provides a core knowledge base and disseminate geospatial knowledge to the society at large through education, training, research and consultancy. The Centre also addresses the vast latent requirement of GIS in terms of development of fundamental technology and evolving customized solutions, which are the need of the day. Further, the Centre would also provide synergy of industry and academia experience to undertake industry oriented GIS projects through joint consultancy. As an initial step, NPTI has launched a One year Post Graduate Diploma Program in GIS & RS during the year 2007-08 for Engineering and Geo Science graduates to provide a sound understanding of GIS & RS concepts for those wishing to take up GIS and allied subjects as their career.

## 2.4 Regional Institutes

The Regional Institutes of NPTI are located at Neyveli (Tamilnadu) established in 1965, Durgapur (West Bengal) established in 1968, Northern Region (New Delhi) established in 1974, Western Region (Nagpur) established in 1975 to cater to the training needs of the different power zones of the country. The specialized Power Systems Training Institute (PSTI) and the Hot Line Training Centre (HLTC) at Bangalore (Karnataka) of Central Electricity Authority established in 1972 and 1975 respectively were merged with NPTI with effect from 1.04.2002. NPTI has established a Regional Power Training Institute at the temporary site of Narangi Complex of ASEB, Guwahati on 23.9.2003. With the completion of full-fledged Training Institute at Kahilipara, Guwahati, now the Institute has started functioning from its new Complex at Kahilipara. A specialized Hydro Power Training Centre at Nangal (Punjab) has also become operational in 2009.

### 2.4.1 Computer Labs

Computer labs with the latest Pentium machines 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 together with access to internet facilities 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 systems to gradually progress towards a Hi-Tech IT driven paperless office. A new Computer Lab. with 120 latest computer machines has been set up at NPTI Corporate Office, Faridabad.

### **2.4.2 Laboratories/Workshops**

The Institutes have built well equipped laboratories and workshops with wide ranging facilities for imparting training to Technicians, Operators and Engineers in various aspects of Power Stations. Some of the areas where expertise have been built are –

- Control and Instrumentation Lab. with facilities for testing, collaboration and repairs of different types of process control instruments.
- Maintenance workshops for Valves, Bearings & Shaft alignment, Pumps, Motors etc.
- Electrical Labs. with faculties for testing of relays< electrical equipments insulating oils etc. along with repairs as per requirement.

### **2.4.3 Open Learning Centres (OLCs)**

Open Learning Centres (OLCs) is the facility available to help the trainees/trainers to go through the multimedia Computer Based Training (CBT) Packages at their own choice and pace without any assistance of the subject expert. The multimedia CBT packages developed are being used by the Institutes for training.

### **2.4.4 Models**

All the Institutes have good number of working and non-working models relating to various main systems and equipments of Thermal, Hydro and Power Systems Models for demonstrations in the diversified areas of training.

### **2.4.5 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 stations.

### **2.4.6 Libraries**

The Institutes have modern libraries having large collection of books and video cassettes on Power Station Technology, Mechanical Engineering, Electrical Engineering, Chemistry, Control & Instrumentation, Electronics, Computers, Management, Information Technology etc. The Institutes are subscribe to a variety of Indian and foreign periodical and journals for keeping in tune with the latest developments in Engineering & Technology.



### **2.4.7 Hostels, Guest House, Auditorium, Staff Quarters etc at the Regional Institutes**

All the Regional Institutes of NPTI have well furnished Hostels for trainees and students, Separate Girls Hostel with lodging and boarding facilities, Guest Houses, Recreation Centres, Play grounds etc. The Institutes also house Auditoriums/Conference Halls for holding Conferences, Seminars and Workshops. All units of NPTI have Staff Quarters for the employees.

## **2.5 Power Systems Training Institute (PSTI)**

Power Systems Training Institute, Bangalore 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, Power Line Carrier Communication Laboratory, Relay & Testing laboratories, Power Loading Simulator laboratory etc. Several short-term specialized courses in various areas such as Metering, Power System Studies Operation, Control, Protection and 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.

## **2.6 Hot Line Training Centre (HLTC)**

Hot Line Training Centre, Bangalore 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 Supply 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, the only one of its kind in South East Asia. Training is being imparted by utilizing the experimental live lines in the yard consisting from 11 KV to 220 KV erected in the Training Centre's premises for this purpose. As part of the training the 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 220 KV/400 KV). Specially trained in-house Expert Faculty are available for conducting these courses.

## CHAPTER - 3

### TRAINING SIMULATORS & OTHER TRAINING AIDS

NPTI has equipped itself with a 500 MW & 430 MW CCGT Training Simulator at Corporate Office, Faridabad and High-quality, High-fidelity, Real-time, Full-scope & DDC/VPC/CRT-Key-board based 210 MW Training Simulators (2 nos) at its Regional Institutes at New Delhi & Nagpur. Self-driven multimedia Computer Based Training packages have been developed for extensive usage and training of personnel working in State Electricity Boards, Central Public Sector Undertakings and the Private Sector organizations etc.

#### 3.1 500 MW Simulator at NPTI (CO), Faridabad

A high quality, high fidelity real time full scope 500 MW Fossil Fuel Fired Power Plant Training Simulator has been installed at NPTI's Corporate Centre. This Simulator realistically emulates the behavior of the entire process simulation in a real-time scenario for a meaningful and off-job operator training. This Simulator is a replica of 500 MW Stage-III, Unit 5 of Chandrapur Thermal Power Station of Maharashtra State Electricity Board. It 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. The Video Process Control has further two modes of operation i.e. Virtual panel and Control Schematic modes. All these features take care of the needs of futuristic trends in Power Plant Operation. The Simulator has more than 250 emergency situations including DAS functions for applications ranging from Operator Training to engineering and plant performance analysis and improvements etc. The Engineers and Operators experience a full range of operations together with stress situations to safely operate the power plant in all conditions. The Simulator Training results in Operators/Engineers making better judgment calls, meaning reduced plant trips, trouble free start-ups, maneuvering of Plant subsystems, Optimum usage of Auxiliary resources and extended equipment life, meaning less downtime and lower costs.

1894 personnel have been imparted training on this Simulator since its installation in March-2000. During the year 2009-10, 384 personnel have been imparted training on this simulator.

#### 3.2 210 MW Simulators at NPTI (NR), Badarpur and NPTI (WR), Nagpur

The Training Institutes at the Northern Region, New Delhi and Western Region Nagpur, are equipped with 210 MW Fossil Fuel Fired Thermal Power Plant Full Scope real time Simulators. The Simulator at New Delhi is a replica of the 210 MW Unit of Badarpur Thermal Power Station and was commissioned in 1983. The Simulator at Nagpur commissioned in 1998 is a replica of the 210 MW Unit of Khaperkheda Thermal Power Station of MSEB. 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 inducted into operation and fine-tune their skills in operational emergencies together with tremendous integrated Unit experience, exposure and understanding of normal operations. NPTI has trained more than 7500 engineers and operators on these simulators since their installation. During the year 2009-10, 668 personnel ( 163 at Badarpur and 505 at Nagpur) have been imparted training on these Simulators.



*500 MW Thermal Power Plant Simulator at NPTI, Faridabad*

### **3.3 Combined Cycle Gas Turbine Simulator at NPTI, Faridabad**

A high quality, high fidelity real time 430 MW Combined Cycle Gas Turbine Power Plant Simulator has been set up at NPTI Corporate Office, Faridabad. The Simulator realistically emulates the behaviour of the entire process Simulator in 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. The CCGT replica simulator is equipped with all the CRT controls with latest state-of-the-art Barco Screens. The training on this Simulator benefited the operators and Shift Charge Engineers working or being posted on Combined Cycle Power Plants. 92 personnel have been trained on this Simulator since during 2009-10.

### 3.4 Load Despatcher Training Simulator at PSTI, Bangalore

A Digital Computer based Power System Load Despatcher Training Simulator representing the Northern Region Network was commissioned in February, 1990 at Power Systems Training Institute, Bangalore. A typical Northern Region Grid System network is simulated with all types of generation like hydro, thermal, nuclear, gas and pumped storage options and transmission schemes covering 220 KV and 400 KV networks. The transmission equipment such as transformers, transmission lines, capacitor banks, bus/line reactors, SVCs, CBs, Isolators, etc. are also represented. Simulation is carried out for normal and emergency operations replicating a dynamic network scenario for proper understanding of the various system components and behaviour. In fact this Simulator is a comprehensive training tool for training of Power System and Load Despatch Operators to understand the techniques of economically controlling the system, frequency of large power networks and alternate operating procedures including the range of characteristics and responses associated with power generation. The Govt. of India has sanctioned the scheme for Upgradation and Modernization of the Simulator which is under implementation.

### 3.4 Multimedia Computer Based Training Packages

Multimedia Computer Based Training (CBT) has been identified as one of the cost effective self-paced interactive learning tool for delivering consistent high quality training. A CBT Cell was set up at NPTI's Corporate Office and also at Regional Institutes for developing CBT packages on various technical areas related to power generation, T&D and management. These packages are widely used by the trainees at the Open Learning Centres (OLCs) of NPTI as well as by other power utilities of the country like BHEL, MSEB, RVUNL, NTPC, NHPC, NPC, PSEB, TNEB, OHPC, NLC, DVB, KLTPS, DVC, WBPDC, IPPGCL, BBMB, BSES, Tata Power, Thermax, ACC, APSEB, NDPL, UPRVUN, BSEB, WBSEB, JSW energy Ltd., Bellari Karnataka etc. A number of Engg. Institutions like GB Pant University of Agric & Technology, NIT, Raipur, Durgapur, VNIT, Nagpur, Kalyani University (WB), Delhi College of Engg., Bharatiya Vidyapeeth, Pune are also making use of these Packages for teaching/training purposes. These self-interactive packages are available at a modest price for use by the Power Utilities at their Training centres and Power Stations. During the year 2009-10, there has been a sale of Rs. 33.44 lakhs.

### 3.6 GIS Based Electrical Distribution Network Management System Training Facility

A GIS Resource Centre housing Hi-tech Training Tools for training and consultancy in the area of GIS based Electricity Distribution Network Planning and Management has been established at NPTI Corporate Office, Faridabad. This facility is being used for training under DRUM Project. A few training programs on GIS-Supported Network Planning Analysis and Asset Management were organized under DRUM Project. The state-of-the-art GIS Lab of NPTI is fully equipped with ESRI Software and equipments like A0 size Scanner, 500 PS Plotter etc.



*Hon'ble Minister of Power Shri Sushilkumar Shinde at NPTI (NER), Guwahati*



*Faculty of MBA (Power Management)*



## CHAPTER - 4

### TRAINING PROGRAMS OFFERED BY NPTI

#### 4.1 Training Programs

With its mission to emerge as global leaders in enhancing human and organizational excellence in Power and Energy Sectors by blending frontier Technologies with Management to facilitate HRD interventions that are instrumental in providing reliable, safe, economic and clean power, the Corporate Centre and the Regional training Institutes of NPTI are conducting various long-term, medium term and short-term courses. Some of the long-term courses cover the mandatory requirements under sub rule 3(2-A) of Indian Electricity Rules for 1956, amended in 1981. A wide variety of short-term courses are offered by NPTI to improve the competencies of the in-service Engineers, Supervisors and Operators of the Power Sector.

##### 4.1.1 Long term Courses for Engineers

o Graduate Engineers Course (Thermal)	52 Weeks
o Graduate Engineers Course (Thermal Condensed)	26 Weeks
o Graduate Engineers Course in Hydro Power Plant Engg	52 weeks
o Graduate Engineers Course (Hydro)	39 Weeks
o Graduate Engineers Course (Power System)	26 Weeks
o Graduate Engineers Course (O&M) of T&D System	26 Weeks
o Supervisors/Operators Courses (Thermal)	52 Weeks
o Supervisors/Operators Course (Hydro)	39 Weeks
o Supervisors/Operators Course (Power System)	26 Weeks
o Regular Course for Technicians	50 Weeks

##### 4.1.2 Medium Term/Short term courses for Engineers

o Power Station Chemistry for Chemists	12 Weeks
o Thermal Power Plant Appreciation	10 Weeks
o Distribution Engineering	06 Weeks
o Renovation & Modernization of Thermal Power Plant	01 Week
o Control & Instrumentation for Supervisors/Techn.	06 Weeks
o GIS in Distribution Planning	04 Weeks
o GIS Appreciation in Net work Planning & Assets Management	01 Week



o	Materials Management	01 Week
o	Maintenance Planning & Cost Control	01 Week
o	Energy Conservation and Energy Audit	01 Week
o	Energy Audit and Demand Side Management in Power Utilities	01 Week
o	Environmental Pollution and Pollution Control	01 Week
o	Training of Trainers	01 Week
o	Fire Prevention, Protection and Safety	01 Week
o	Renewable Energy Source & Grid Integration	01 Week
o	New & Renewable Sources and Grid Integration In India	06 Weeks
o	Thermal Efficiency and Performance Monitoring	02 Week
o	Thermal Power Station Operation	02 Weeks
o	Boiler tube Failure and Case Studies	01 Week
o	Fluidized Bed Combustion Boilers	03 Days
o	Gas Turbine and CCPP-Refresher Course	01 Week
o	Fans and Air Heaters	01 Week
o	Reliability Centered Maintenance of Rotary Equipments	02 Weeks
o	Pumps Operation, Maintenance and Performance Monitoring	01 Week
o	Coal Mills & Milling System & Case Studies	01 Week
o	Steam Turbine Governing and Protection	01 Week
o	Steam Turbine & Aux. Operation	01 Week
o	Boiler Firing System and Equipments	01 Week
o	O&M of Transmission Lines and Sub-Station	01 Week
o	Power System Studies, Load Despatch	01 Week
o	High Voltage Direct Current (HVDC) Transmission	01 Week
o	Generator and Auxiliaries including Excitation System	01 Week
o	Switchgear for Power Plant	01 Week
o	Electrical Motors for Power Plants	01 Week
o	Transformers	01 Week
o	Electrostatic Precipitator	01 Week
o	Electrical Protection System	01 Week
o	Power System Energy Losses	01 Week

o Operation and Maintenance of EHV Sub-Station	02 Weeks
o Micro Processors	02 Weeks
o Control & Instrumentation In Power Station (For Operation Engineers)	02 Weeks
o Power Plant Auto Control	02 Weeks
o Data Acquisition & Distributed Digital Control System (DAS & DDC)	01 Week
o Vibration Analysis	01 Week
o Large Capacity CFBC Boilers	03 days
o Issues Related to Supercritical Technology	02 days
o Burner Management System/FSSS	03 Days
o Boiler & Aux.	02 Weeks
o Boiler Operation	01 Week
o Advances in Power Plant Chemistry	02 Weeks
o Power Plant Chemistry for Engineers	01 Week
o Valve Maintenance	02 Weeks
o Pump Maintenance	02 Weeks
o Bearing Maintenance and Shaft Alignment	01 Week
o Fan & Air Heaters Maintenance	01 Week
o Maintenance of Boiler Rotary Machines	01 Week
o Welding Practice	02 Weeks
o Coal Mill/Milling System Maintenance	01 Week
o Boiler Operation	02 Weeks
o Steam Turbine and its Auxiliaries Operation	01 Week
o Fuel (Coal & Oil) Handling System Operation	01 Week
o Regenerative Feed Heating System	01 Week
o O&M of Generator and Excitation System for Sup.	02 Weeks
o Switchgear and Transformer Maintenance	02 Weeks
o Switchgear Maintenance	02 Days
o Transformer Maintenance	03 Days
o Transmission and Distribution Equipment Maint.	02 Weeks
o O&M of Transmission Lines and Sub-Station	01 Week





o Relay Maintenance	03 Days
o Battery Maintenance	01 Week
o Motor Maintenance	01 Week
o Control & Instrumentation	02 Weeks
o Power Plant Auto Control	01 Week
o Valve Actuators Maintenance	03 Days
o Basic Electronics	01 Week
o Advance Management Prog. For DyGM/Addl.GM	02 Weeks
o Executive Development Program for Supervisory Staff working in Fin. & Accounts Department	06 Weeks
o Training Program for Asstt. Manager (Fin.)/ Section Officer (A/cs.)	02 Weeks
o Training Program for Asstt. Level Persons/ Personal Staff	01 Week
o Human Resource Development Program for Finance Officer/Manager	01 Week
o Development of Finance Managers	01 Week
o Management Development Program for Newly Recruited Finance Officers	04 Weeks
o Trg. Program for Supervisor/Managerial Person Deployed in Power Industry	06 Weeks
o 210 MW Fossil fuel Power Plant Simulator Training	02 Weeks
o 500 MW Fossil Fuel Power Plant Simulator Training	02 Weeks
o Combined Cycle Gas Turbine Power Plant Simulator Training	02 Weeks
o Refresher Course on 210 MW Thermal Power Plant Simulators	01 Week

#### 4.1.3 Power System Courses at PSTI Bangalore

o RLA & Life Extension of Sub-Station Equipment	05 Days
o Inspection of Electrical Installations under IE Rules-1956	05 Days
o Reactive Power Management	03 Days
o Distribution Metering	05 Days
o Power System Studies	05 Days
o O&M of Transformers & Circuit Breakers	05 Days
o Power System SCADA & EMS	05 Days
o Power Cables & Jointing Techniques	03 Days
o Sub-Station Planning & Engineering	05 Days

o Grid Management	05 Days
o GIS/GPS for Power Utilities	05 Days
o O&M of Power & Distribution Transformers	05 Days
o Power System Operation & Control	02 Weeks
o Power System Protection	02 Weeks
o Advanced Power System Protection	05 Days
o Power Quality and Harmonics Mitigation	03 Days
o Management of Electrical Contracts	03 Days
o Workshop on Indian Electricity Act & Rules	03 Days
o High Voltage Testing of Power System Equipment	05 Days
o Power & Telecommunication Coordination (PTCC)	05 Days
o LT Switchgear Protection & Testing	04 Days
o Workshop on IEGC, FGMO & Open Access in System Operation	02 Days
o HVDC Transmission System	05 Days
o Communications & Control in Power Systems	05 Days
o Power Distribution Management	02 Weeks
o Distribution Automation	05 Days
o Workshop on Transformer Oil	02 Days
o Energy Efficiency in Electrical Utilities	05 Days
o Protection on Industrial Power System	03 Days
o Flexible AC Transmission System (FACTS)	05 days
o Computer communication and Network Security	05 days
o ERP Solutions for Power Utilities	05 days
o High Voltage Engineering	02 weeks
o Insulation Systems	05 days
o Energy Audit & Conservation in Industrial Systems	05 days
o IT Applications in Power Utilities	04 days
o Renewable Energy Sources and Clean Dev. Mech.	03 days
o Finance for Non-Finance Executives	03 days
o Power Exchange and Power Training	02 days
o Power System SCADA & EMS	05 days



- o Energy Efficiency in Thermal Utilities 05 days
- o Indian Electricity Act and Rules & Deregulation 03 days

#### **4.1.4 Hot Line Maintenance Courses at HLTC Bangalore**

- o Live Line Maintenance Techniques (LLMT), Hot Stick Method (HSM) 12 weeks
- o Live Line Maintenance Techniques (LLMT), Bare Hand Technique (BHT) 05 weeks
- o Switchyard Maintenance Techniques Using LLMT 04 Weeks
- o Capsule Course for Executive in Hot Line Activities 01 Week

#### **4.1.5 Hydro Power Training Centre, Nangal**

- o Performance Testing of Hydro Power System 03 Days
- o Management Development Programme 03 Days
- o Pump Storage Hydro Power Station 02 Days
- o Small, Mini and Micro Hydro Power Generation 03 Days
- o Governing System for Hydro Power Generation 02 Days

#### **4.1.6 NPTI (NE-R) Guwahati**

- o Control & Instrumentation 01 Week
- o IT Application in Power Systems 01 Week
- o Maintenance of Pumps 01 Week
- o Maintenance of Valves 01 Week
- o HT/LT Switchgear (O&M) 01 Week
- o Energy Conservation in Thermal Power Plant 01 Week
- o Power System Studies Load Despatch 01 Week
- o Failure of Distribution T/F courses & Remedies 01 Week
- o Management Development Program for Executives 02 Days

#### **4.1.7 Training courses on Simulators**

In order to train engineers on Full scope, Real time replica Simulators in all aspects of operation and helping them to make better judgment calls/responses and fine tune their reflexes to malfunctions and emergency situations, they are imparted hands on practice in:

- i) Full scope/Conventional Panel Operation mode
- ii) CRT-keyboard (DDC/VPC) based operation mode

The training on these Dual Facility Simulators is for 2 weeks duration covering the following aspects.

- Cold, Warm and Hot start-up operations
- Partial to Full load and back
- Planned Shut down
- Maneuvering of different Auxiliaries
- Operations under Emergency conditions

#### **4.1.8 On-Site Training**

On-site training programs are conducted in association with the Power Stations, Manufacturers and Suppliers of the plants and equipment. Power companies, who are unable to spare their personnel for training due to stringent requirement of round-the-clock operation of power plants and in order to ensure all time availability of maintenance staff for emergency shut-downs, generally prefer On-Site training. NPTI readily offers such courses as per the client's needs.

### **4.2 Industry-interfaced Academic Programs**

Besides imparting training in the areas of Thermal, Hydro and Transmission & Distribution, NPTI also conducts industry interfaced academic programs with the objective to create a pool of committed and competent professionals equipped with technical skills to steer the Indian Power Sector. Some of these programs are as under :

#### **4.2.1 One Year Post Graduate Diploma in Thermal Power Plant Engineering**

NPTI weaves formal education with industry oriented specialized skills to cater to the needs of Power Sector. In one of its most successful attempts to create a pool of Technically trained manpower for ready availability for recruitment by PSUs/SEBs/Power Utilities, NPTI launched a one-year 'Post Graduate Diploma Course in Thermal Power Plant Engineering', in 1996 at its Institutes in New Delhi, Nagpur, Durgapur and Neyveli with an intake of 50 seats at each of the four (4) Institutes. 25% of the seats are reserved for candidates sponsored from power sector organizations. The course profile covers the mandatory requirements under Indian Electricity Rules. The course has been recognized by the All India Council for Technical Education (AICTE).

The PG Diploma Course in Thermal Power Plant Engineering is having an exceptionally encouraging response and many Power Companies recruited this trained manpower through campus placement over the years.

#### **4.2.2 One Year Post Diploma Course in Thermal Power Plant Engineering**

Sensing the need for trained manpower in the Supervisory cadre a Post Diploma Course in Thermal Power Plant Engineering with the course profile covering the mandatory requirements under the Indian Electricity





Rules is conducted at the four Training Institutes of NPTI at Badarpur, Nagpur, Durgapur and Neyveli. This one year course is aimed at developing skills and the attitude for fresh and practicing diploma engineers. The students undergoing this course are picked up in the Campus recruitment by Power Generation and Distribution companies, Captive Power Plants, Energy Sector, and Sugar Industries etc.

#### **4.2.3 B.Tech./B.E. Power Engineering**

The Four-year degree course in B.Tech./B.E. in Power Engineering (Mechanical/ Electrical) conducted by NPTI is the first of its kind in India. The program is directed at the young aspirants who are looking for a bright career in the Power Industry. The program coverage includes the regular inputs generally provided in B. Tech. Programs and lays special emphasis on Power Engineering preparing skilled Engineering Executives for the Power Sector. This is an AICTE approved course being offered at NPTI from the academic year 2001-2002 at New Delhi, Nagpur and Durgapur Institutes, with an intake of 60 seats each and affiliated to Guru Gobind Singh Indra Prastha University, Nagpur University and West Bengal University of Technology respectively.

The objective of the course is to create a pool of committed and competent professionals equipped with appropriate technical skills to steer the Indian Power Sector and run it on Techno- Commercial lines.

The course has been overwhelmingly received by the Power and allied Industries with an exceptionally high placement record of students in companies such as Thermax, NDPL, ISGEC-John-Thomson, Reliance Energy Transmission Ltd., Tata Power, Cheema Boilers Ltd., JP Associates, and Sterlite Industries etc.

#### **4.2.4 Two Year MBA (Power Management)**

Centre for Advanced Management and Power Studies (CAMPS) launched its first ever MBA program in Power Management in the sub-continent on 27.3.2002 to meet the huge requirement of Power Managers in Ministry of Power's massive efforts of attaining self-sufficiency and run the Indian Power Sector on Commercial lines. This MBA Program duly approved by AICTE is affiliated to Maharashi Dayanand University, Rohtak. The intake for the program is 69 seats out of which 15 seats are reserved for candidates sponsored from power sector organizations. In addition to the inputs provided in regular MBA programs, this 'Program with a Difference' lends special emphasis on specific Power Sector issues and ethos to give extra strength to Indian Power Sector Engineers to steer Power Sector of the country in the challenging times ahead. The MBA in Power Management Program in the last six years has catered to the industry need in providing Power Managers who taken on issues in the industry from both technical and managerial insight. A large number of power managers has found excellent placement in the companies like PricewaterHouse Coopers, ABPS Infrastructure Advisory, Infraline Energy, Global Energy Limited, Tata Power, Feedback Ventures Pvt. Ltd., Torrent Power, Energy Infratech, Moser Baer, Lanco, Avantha Power, GMR, IREDA, PTC, IL&FS BSES, CARE, CRISIL, KPMG, NDPL, Noida Power, PwC, Reliance Energy Limited etc.

#### **4.2.5 One Year Post Graduate Diploma in GIS & Remote Sensing**

NPTI has launched a One year Post Graduate Diploma Program in Geographical Information Systems & Remote Sensing during the year 2007-08 with 50 students at NPTI Corporate Office, Faridabad for Engineering and Geo-Science Graduates to provide a sound understanding of GIS & RS concepts for those wishing to take up GIS and allied subjects as their career. The students are working in companies like NPCL, CES, CES Tech., RMSI, ITRL, BEAS, DAR, RSAC etc.

#### **4.2.6 Nine Months course on ‘Operation and Maintenance of Hydro Electric Power Stations**

In order to develop the trained manpower for the operation and maintenance of the upcoming Hydro Power Stations NPTI launched a 39 weeks course on “Operation and Maintenance of Hydro Electric Power Stations” at its Institute at Badarpur, New Delhi. The course meets the mandatory requirement of Indian Electricity Rules, 1956 amended in 1981. The objective of this course is to prepare the fresh Graduate Engineers to become Power Station Managers of Hydro Power Stations.

#### **4.2.7 Six Months Course on “O&M of Transmission & Distribution Systems for Engineers**

In order to create technically trained manpower readily available for recruitment to the power companies in the area of Transmission & Distribution of electrical power, NPTI offers a 26 weeks certificate course on ‘O&M of Transmission & Distribution Systems’ for the Graduate Engineers at its Institutes at Nagpur, Bangalore and Guwahati. The course covers the mandatory requirement of training under Indian Electricity (Amendment) Rules, 1981. On successful completion of this course the trainees have been recruited by reputed organizations like ABB, L&T, Reliance Energy, Power, KDC International, NDPL, Kalpataru Power, Essar Power, PRDC, Easun Reyrolie, Suzlone, Jyothi Structures, Vedanta etc.

### **4.3 Specialized Training Programs / Workshops / Seminars/ Conferences**

Specialized training programs/ workshop/ Seminars etc. are organised at the Corporate Office and Regional Institutes of NPTI on the new emerging areas.



*Hon'ble Minister of Power Shri Sushilkumar Shinde  
at IITF NPTI Stall 2009*



*430 MW CCGT Simulator at NPTI, Faridabad*



## CHAPTER - 5

### ACHIEVEMENTS OF NPTI DURING 2009-10

#### 5.1 Performance Highlights of NPTI

During the year 2009-10 NPTI has been able to achieve highest ever performance in all the performance parameters with reference to the MOU signed with the Ministry of Power.

##### Principal Performance Parameters

Sl. No.	Performance Parameters	2009-2010	
		Target for Excellent Rating – MOU with Ministry of Power	Actually Achieved
1	No. of Trainees in Regular Programs	14,500	14,869
2	No. of Trainee Weeks (T-W)	1,15,000	1,15,132
3	Revenue Earnings (Rs in Lacs.)	3400	3579.24
4.	Non-Plan Expenditure (Rs. in lacs)	2973.11	2976.29
5.	Excess Revenue over Expdr. (Rs. in lakhs)	426.89	602.96

The various performance parameters have touched a new peak which is the highest ever in the history of NPTI. The Unit-wise Performance of NPTI in respect of the above parameters is given at **Annex – ‘B’**. The excess revenue over expenditure has been invested for Depreciation Fund, Medical Fund for retired employees etc.

Some of the major steps taken to enhance the key performance parameters are as under:-

#### 5.1 New Initiatives

##### 5.1.1 Consultancy Assignments

In order to serve the industry requirements and make best usage of infrastructure and expertise, NPTI has ventured into providing consultancy services in the field of Human Resources Development including Training Need Analysis, Upgradation of training facilities, Customized Course Designs, Capacity Assessment/ Evaluation for Promotion/Recruitment etc. NPTI also provides consultancy in Preparation of DPRs under R-APDRP (11th Plan) and NPTI is also REC Quality Monitors (RQM) for Tier-II Inspection of RGGVY Works



under 11th Plan for Six States. NPTI has also been awarded the Third Party Inspecting Agency (TPIA) works for a few DISCOMs for the RGGVY works under the 10th Plan & 11th Plan. Some of the consultancy assignments undertaken by NPTI are given in the Annexure 'C'.

### **5.1.2 Orientation-cum-training Program on 'Solar Power'**

NPTI (Northern Region), Badarpur, New Delhi has been assigned a Project to organize Orientation-cum-training programs on Solar Power Systems in association with Resident Welfare Associations for use of Solar Energy for the RWAs in and around National Capital Region by Ministry of New & Renewable Energy under a token grant.

## **5.2 Enhancement of Training activities**

### **5.2.1 Customized Training Programs**

A number of customized training programs for foreign as-well-as National Customers have been conducted. These programs have benefited the executives from the Organisations – Power Grid Corpn, of India Ltd. Satluj Jal Vidyut Nigam Ltd, National Hydroelectric Power Corpn .Ltd., J&K State Power Development Corpn., Delhi Transco Ltd., Gujarat State Electricity Corpn. Ltd., Damodar Valley Corporation, Tehri Hydro Development Corpn., Durgapur Projects Limited, Powerlink Transmission Limited. NALCO, Reliance Energy Ltd. etc.

### **5.2.2 Training Programs for Foreign Nationals**

As many as 143 personnel from the countries – Oman, Kazakhstan, Bhutan, Thailand, Ethiopia, Cameroon, Algeria, Ghana, Dominica, Afghanistan, Botswana, Myanmar, Nigeria, Sri Lanka, Libya and Nepal have been imparted training in India. Details of the program conducted are given at **Annexure-D**.

## **5.3 Indo-German Energy Program**

M/s. Evonik Energy Services (India) Pvt. Ltd. have entered into a long-term association with NPTI to implement the Project "Power Plant Performance Reporting and Improvement under "Energy Conservation Act" in the country by way of organizing training programs/seminars/workshop etc. This program is conducted in cooperation with CEA and BEE. As many as 20 workshops have been organised for energy managers and energy auditors in the application of guidelines for energy audit of thermal power stations during May 2009 to Sept-2009. The topics covered during the workshops were Energy Conservation Act 2001 and its implications on power sector, energy audit methodology of boiler, turbine, condenser, power station pumps, pulverisers, auxiliary power consumption, coal handling plant and ash handling plant energy audit technology.

## 5.4 Certificate of Competency in Power Distribution

NPTI in collaboration with IGNOU, Ministry of Power-USAID and Power Finance Corpn. Ltd. launched a six month distance learning program on “Certificate of Competency in Power Distribution. The program is being conducted at NPTI (WR), Nagpur, NPTI (ER), Durgapur, NPTI (NE-R), Guwahati, NPTI (SR), Neyveli, REMI (Mumbai), SOUTHCO, Orissa, WESCO, Orissa, and ETI, Lucknow. The program is designed for electricians atleast class VIII pass to upgrade the skills enhancing efficiency and delivery of quality power.

## 5.5 Training Programs on Regulatory Issues for Forum of Regulators

NPTI organised short-term training programs for senior level officers from various Regulatory bodies and Load Despatch Centres under the aegis of Forum of Regulators. These programs were organised on residential basis and covered the following areas:

- Open Access, Role of Load Despatch Centres and Power Markets
- Demand Side Management and energy efficiency
- Demand Side Management and Load Research

## 5.6 National Seminars/Workshops

A number of National Seminars/Workshops were organized for Power Sector personnel on various emerging topics as given below:

- Grid Security & Management
- Hydro Power Stations – Advancement in Harnessing & Upkeeping -Electricity Regulation – Governance, Policy & Commercial Use’
- Benchmarking for Business Excellence
- O & M of Coal Fired Boiler & Water Chemistry
- An Overview of Power Generation Technology
- Live Line Maintenance Techniques of EHV Lines
- Techno Economic Issues and Challenges of Power Project
- Electricity Regulatory Aspects of Power Generation
- Power System Planning & efficient Grid Operation





## 5.7 Other activities

### 5.7.1 Inauguration of Institutes by Hon'ble Union Minister of Power

- Shri Sushilkumar Shinde, Hon'ble Union Minister of Power inaugurated the newly established NPTI North-Eastern Region Institute at Kahilipara, Guwahati on 30.10.2009.
- Shri Sushilkumar Shinde, Hon'ble Union Minister of Power also inaugurated Hydro Power Training Centre of NPTI at Nangal, Distt. Ropar Punjab on 16.12.2009.

### 5.7.2 Training Abroad

#### German study tour to showcase technologies

Mr Surrender Kumar, Deputy Director, NPTI, Faridabad visited **Germany** in sept'09 for a study tour on "Familiarisation and Interchange of best practices with power Plant Operators in Germany and Europe" The event was organised under Indo-German Energy Program.

#### Specialised training on Energy Efficiency Techniques for India in Japan

Under the Indo-German Energy Efficiency Program, Shri M.V.Pande, Dy. Director, NPTI (Western Region), Nagpur deputed to attend three weeks specialised training program on 'Energy Efficiency Techniques in India' in Japan through Japan India Cooperation in August-2009.

### 5.7.3 Visit of NPTI's Team to Afghanistan to Improve Power facilities

A four member team visited **Kabul, Afghanistan** and gave presentation on the DPR for Setting up of Training Institute in Kabul, Afghanistan to the Minister of Energy and Power, Government of Afghanistan and USAID officers. The Report was accepted by the USAID, which is financing the upcoming power infrastructure of the country, for implementation.

## 5.8 Setting up of New Training Institutes

### 5.8.1 Solapur Power Industrial Training Institute (Maharashtra)

In order to mitigate the shortage of trained manpower, it has been decided to set up an Institute which will focus on skill development of Power Sector Personnel in the area of generation, transmission and distribution. The Institute will offer National Council of Vocational Training (NCVT) recognized ITI courses for 8th/10th/12th Passed students as well as working personnel of Power Sector. The Institute will be managed by NPTI.

### 5.8.2 Establishment of Mining Training Institute at Barkagaon, Jharkhand

NTPC has approached NPTI for managing an ITI level Mining Training Institute at Barkagaon in Harzaribagh District of Jharkhand. NTPC will create the infrastructure required for establishing the aforesaid Institute and NPTI shall run the Institute on its completion by entering into tripartite Memorandum of Understanding.

## 5.9 Training Achievements (Course wise) 2009-2010

During the year 2009-2010, as many as 14869 persons at different levels have been trained by achieving 1,15,132 Trainee-weeks (T-W) as exhibited in Exhibits I, II & III. The following table shows course wise training achievements of NPTI in terms of No. of Persons Trained and Trainee–Weeks (T-W) during the year 2009- 10:

Sl. No.	Courses	No. of Trainees Trained	Trainee weeks(T-W)
1	Long Term Courses for Graduate Engrs.(Including PGDC)	2317	87929.3
2	Short Term Courses for Engrs.	1404	5436.1
3	Long Term Courses for Operators/Technicians	366	9384
4	Short & Medium Term Courses for Operators / Technicians	1067	4105
5	Simulator	1240	3296
6	Special Programs (On job/Seminars/ Workshops etc )	7998	3814.2
7	Courses at PSTI Bangalore	175	2022
8.	Courses at HLT< Bangalore	302	1146
	<b>TOTAL</b>	<b>14869</b>	<b>1,15,132</b>

## 5.10 Training Statistics over the years

### 5.10.1 General

Since its inception 1,66,345 personnel, of various levels from different organizations have been trained by NPTI.

### 5.10.2 Simulator Training

As many as 9576 persons have been trained on the 210 MW Simulators at Nagpur & Badarpur Institutes, 500 MW Simulator and CCGT Simulator at the Corporate Centre, Faridabad.



## 5.11 Industry-Academic Interface

### 5.11.1 Post Graduate Diploma Course (PGDC) in Thermal Power Plant Engineering

The PG Diploma Course in Thermal Power Plant Engineering was launched by NPTI in August, 1996 for the Graduate Engineers. So far 12 batches have successfully completed the course at the different Regional Institutes of NPTI

13<sup>th</sup> batch of Post Graduate Diploma Course commenced in August 2009, with full capacity at the Regional Institutes of NPTI-Badarpur, Nagpur, Durgapur Neyveli and Guwahati.

### 5.11.2 Post Diploma Course (PDC) in Thermal Power Plant Engineering

Keeping in view the need of Power Sector for trained manpower at the Supervisory/Operator level for Operation & Maintenance of Thermal Power Plants, NPTI launched one-year “Post-Diploma in Thermal Power Plant Engineering” for Diploma Engineers at the four Regional Institutes at New Delhi, Nagpur, Durgapur and Neyveli during the year 2000-01. All the passed out students have been absorbed in the different organizations of industry. One batch of 50 students is attending the program at New Delhi, Nagpur, Durgapur and Neyveli Institutes.

### 5.11.3 B.Tech (Power Engineering)

The course has been overwhelmingly received by the Power and allied industries. The passed out batches have been placed in companies such as Thermax, NDPL, ISGEC-John-Thomson, Reliance Energy Transmission Ltd., Tata Power, Cheema Boilers Ltd., JP Associates, Sterlite Industries etc.

Four Batches (60 each) are attending the course at each of the training Institutes at New Delhi, Nagpur and Durgapur.

### 5.11.6 Distribution Reforms Upgrades and Management (DRUM) Training Programs

Being one of the Partner Institutions for organising training programs under DRUM Project, NPTI organised 12 Programs on different themes covering 76 trainees of Middle/Junior Management levels of various Organisations of Power Sector.

### 5.11.7 Hindi Computer Training Programs

During the year, NPTI Corporate office (Faridabad), NPTI Badarpur, Nagpur, Durgapur and PSTI, Bangalore have organized 53 Hindi Computer Training Programs for officers/ officials of various Government Departments/ Organisations/ PSUs sponsored by Rajbhasha Vibhag, Ministry of Home Affairs, Government of India.

With a view to create a conducive and inspiring atmosphere for the implementation of the Official Language

Policy “Hindi Workshops” were organised at NPTI Corporate Office and its Institutes. Participants received effective tutoring with complete familiarization in relevant office packages such as Word, Excel, Power point, Akshar, Leap office, Internet and E-mail etc.

## 5.12 Training Program Calendar 2010-2011

A comprehensive training calendar for the year 2010-11 has been printed and circulated to all SEB's/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 clients needs. Besides the regular long-term training programs as per the needs of IE Rules and certification thereof, a large number of short-term programs have also been incorporated.

## 5.13 Faculty Participation in the Workshops/Seminars / Training of Trainers

Keeping in spirit with the National Training Policy for the Power Sector and commitment in MoU 2009-2010, all faculty members of NPTI were deputed to specialized Training Programs/Conferences/Seminars/Workshops during the year to upgrade their skills & knowledge on subjects of their interest and specialisation.





## Annexure – 'B'

## Unit-wise Performance of NPTI during 2009-10 (with reference to MOU Targets)

S. No	Parameters	MOU Targets for 2009-10	Institute-wise Performance Achieved during 2009-10									
			NPTI (CO)	NPTI (NR)	NPTI (WR)	NPTI (ER)	NPTI (SR)	NPTI (NER)	PSTI Bangalore	HLTC Bangalore	HPTC Nangal	Total Achieved
1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11	12	13
1.	No. of Trainees	14,500	2552	2903	3202	2254	1306	752	1423	302	175	14,869
2.	No. of Trainee-Weeks	1,15,000	18615	23903	28530	21995	11838	3449	3634	1146	2022	1,15,132
3.	Revenue Earnings (Rs. In lakhs)	3400.00	1028.54	555.97	629.71	454.72	312.09	96.40	291.30	121.40	89.16	3579.24
4.	Non-Plan Expdr. (Rs. in lakhs)	2973.11	927.70	498.48	509.80	374.52	266.76	-	231.96	99.28	67.78	2976.28
5.	Excess Revenue over expenditure (Rs. In lakhs)	426.89	100.84	57.44	119.91	80.20	45.33	96.40	59.34	22.12	21.38	602.96
6.	Faculty Trg. (100%)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

## Annexure 'C'

### Consultancy Assignments

- NPTI has been engaged as consultant by M/s Advanced Engineering Associates International, Inc., USA for the Project on “Human and Institutional Capacity Building for Afghanistan Energy and Natural resources Sector” awarded by USAID. M/s. AEAI & NPTI entered into MOU for undertaking the above work. A team of three Officers visited Kabul during Nov-2008 to assess the requirement. The final Report for establishment of Vocational Training Centre (VTC) has also been submitted.
- NPTI has entered into an Agreement with M/s. PA Consulting Services Inc. located at USA for providing professional consultancy and related services. NPTI has conducted five training programs under the Agreement during the year 2009-10. Short-term and Long-term programs on ‘O&M of Sub-station Equipment’, O&M of Transmission & Distribution’ and Training of Trainers were conducted under Afghan Capacity Building Program under SARI/Energy, USAID.
- NPTI has undertaken three (3) Consultancy Assignments under Part-B DPR Preparation for strengthening of Distribution Networks for the Energy & Power Department, Govt. of Sikkim; Purvanchal Vidyut Vitaran Nigam Ltd., Varanasi and Tripura State electricity Corporation Ltd. (TSECL) under the R-APDRP Scheme of the Govt. of India in the XI Plan. The work involves study for improvement of existing Power Distribution System and preparation of comprehensive DPRs for renovation & modernization of Sub-transmission & Distribution system along with proposal for new 33/11 KV Sub-stations, Installation of new 11/0.4 KV distribution sub-stations, drawing of new HT/LT lines etc. The consultancy work for preparation of DPRs for about 02 Towns in Sikkim and 29 towns in PUVVNL, Varanasi has been submitted to the Utilities. The Assignment for TSECL is presently in progress.
- Rural Electrification Corpn. empanelled NPTI as a Third Party Inspecting Agency (TPIA) for inspection of Village Electrification works under RGGVY Scheme. NPTI has been assigned Third Party Inspecting Agency works for DISCOMs of Karnataka viz. MESCOM for the 11th Plan and GESCOM for the 10th Plan.
- NPTI is also REC Quality Monitors (RQM) for Tier-II Inspection of RGGVY Works under 11th Plan for Six States viz. Jammu & Kashmir, Nagaland, Mizoram, Manipur, Tripura. The Quality Inspection Works include Pre-shipment Inspections of various materials and Installation, Village Inspection etc.



Annexure 'D'

## Training Programs organised for Foreign Nationals

- 10 weeks training program on 'O&M of Gas Turbine" for 05 personnel from **OMAN** from 16.2.2009 to 24.4.2009.
- 06 weeks Program on "Power Plant Management" for 17 personnel form countries – **Kazakhstan, Bhutan, Thailand, Ethiopia, Cameroon, Algeria, Ghana, Dominica, Afghanistan, Botswana, Myanmar and Nigeria.**
- 01 week program on "O & M of Sub Station Equipment " for 27 participants from **Afghanistan** from 5.10.09 to 10.10.09.
- 04 week TOT Program on "O&M of sub Station Equipments" for 15 participants from **Afghanistan** from 23.11.09 to 19.12.09.
- 02 week training program on 'O&M of Gas Turbine" for 9 personnel from **Sri Lanka** from 12.10.09 to 23.10.09.
- 02 week training program on 'O&M of Gas Turbine Power Plant for 10 Engineers from **Libya.**
- 02 week training program on 'Electrical & C&I Operation" for 12 Engineers from **Libya.**
- Training program on 'Operation and Maintenance of Hydro Power Plant at NPTI (Northern Region), Badarpur conducted and attended by 2 batches of 14 Engineers/Supervisors from **Royal Govt. of Bhutan.**
- 01 week specialized training program on "Fundamentals of Electrical Machine" for three executives of Chilime Hydropower Company Limited, Rasuwa, **Nepal** .
- 01 week Training Program on "Generator Auxiliaries Including Excitation System" for three Asst. Engineer from Chilime Hydropower Company Ltd, Syafrubensi, Rasuwa, **Nepal.**
- Seven Power Engineers from DABS Utility of **Afghanistan**, sponsored by USAID have undergone training on 'Operation and Maintenance of Transmission & Distribution Systems' at PSTI, Bangalore from 3.8.2009 to 29.1.2010.
- A batch of 21 Graduate Engineers from AEAI, **Afghanistan** attending 26 weeks training on 'Operation and Maintenance of Transmission & Distribution Systems' with effect from 8<sup>th</sup> Jan-2010.



## CHAPTER - 6 AWARDS & RECOGNITION

- Hot Line Training Centre of NPTI has been awarded trophy by M/s. Hubbell Power Systems / (AB) Chance Co. USA for the year 2009 '**Honouring Dedication to Live Line Maintenance Training in India.**'

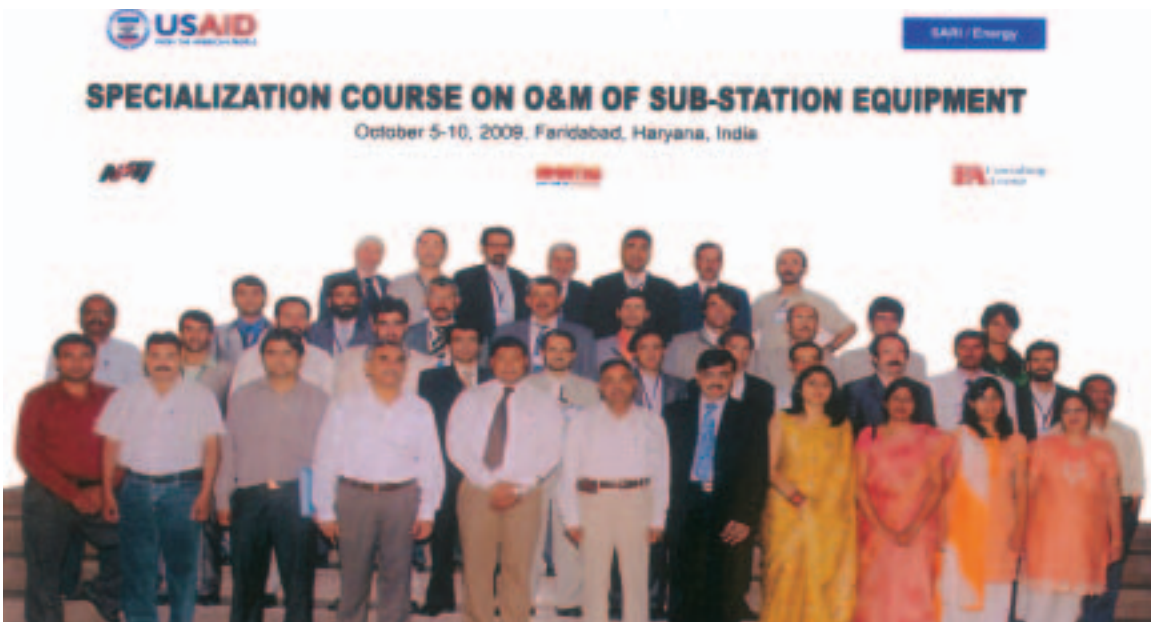


*Hot Line Maintenance Training at HLTC, Bangalore*





*Inauguration of 'Training of Trainers' Program for Afghanistan Power Professionals*



*Specialised Training Program for Afghanistan Engineers on 'O&M of Sub-Station Equipment'*

## CHAPTER - 7

### ON GOING/NEW SCHEMES PLAN SCHEMES OF NPTI

#### Physical Progress

S.No.	Name of Scheme	Approved Cost & Executing Agency	Physical Progress
1.	<b>Establishment of NPTI (NE-R) Guwahati</b>	<b>Rs.1829 lakhs M/s. Power Grid Corpn. of India Ltd.</b>	<p>All the buildings – Institute building, Hostel, Guest House, Staff Quarters (excepting Recreation Centre) completed.</p> <p>Lab. Equipments for Mechanical Lab., Electrical Lab. Computer Lab., Hydro Lab. and C&amp;I Lab. costing of Rs.152.49 lakhs have been procured and installed at site.</p> <p>Furniture for hostel &amp; Institute building received and placed.</p> <p>Procurements of other items in the Schemes including Vehicles completed.</p> <p>The Revised Cost Estimates of the Scheme for Rs.2187.87 lakhs have been approved by Ministry of Power on 4.3.2010.</p> <p>Expenditure booked up to 31.3.2010 is Rs. 2187.87 crore in which Rs. 81 lakhs deposited to M/s PGCIL for executing balance infrastructural works like completion of recreation centre with furnishing, concertina fencing over boundary wall, construction of garages block – 2 Nos. &amp; other misc. works like Horticultural, modification of main entry earth work etc.</p>



2.	<b>Establishment of HPTC, Nangal</b>	<b>Rs.1475 lakhs BBMB</b>	<p>Institute Building, Girls Hostel, Boys Hostel and Staff Quarters handed over .by BBMB to NPTI.</p> <p>External Services completed.</p> <p>Lab. equipments for Electrical Lab., Hydro Lab. and C&amp;I Lab. costing of Rs.152.87 have been procured and installed at site.</p> <p>Order for procurement of Hydro Power Training Simulator (Replica of Unit No.1 of Nathpa Jhakri has been placed on M/s. Evonik Energy Services and the work is in progress.</p> <p>Furniture for Institute building received at site. Customized furniture for Hostel has been received and is in use.</p> <p>The Revised Cost Estimates of the Scheme for Rs.16.25 crores have been approved by the Ministry of Power on 21.4.2010.</p> <p>The scheme will be completed by March,2011</p>
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3.	<b>Modernisation &amp; Upgradation of existing facilities of RPTIs</b>	<b>Rs.2445 Lakhs</b>	<p><b><u>NPTI (NR), Badarpur – Rs.579.55 lakhs</u></b></p> <p>Concept Drawings for Hostel Building &amp; extension of other infrastructure finalized.</p> <p>CPWD submitted Preliminary Estimates.</p> <p>An amount of Rs.160.37 lakhs deposited with CPWD for vertical extension of academic block and hostel building and works for academic block are in progress.</p> <p>5-Class Rooms, 4-Office Rooms, Conference Hall, Computer Lab. and procurement of office &amp; class room furniture completed departmentally.</p> <p>The scheme will be completed by 31.3.2011.</p> <p><b><u>NPTI (ER), Durgapur – Rs.599.10 lakhs</u></b></p> <p>CPWD is executing following works :</p> <ul style="list-style-type: none"> <li>- Road Carpeting completed</li> <li>- Roof Treatment &amp; other allied works upto 90% completed in the Institute Building Workshop, Hostels, Auxiliary Building, Guest House and Type-IV (two blocks).</li> </ul> <p>Administrative approval for Preliminary Estimates submitted by the CPWD for Academic Block has been conveyed and the work will be awarded shortly by CPWD.</p> <p>From departmental side, the Upgradation &amp; Modernisation of 4-Class Rooms, 5-Toilet blocks, SIT Lab., PD enclosure and Visitor Room completed.</p> <p>Internal works in Hostel –I and Hostel-II with upgradation of Toilets completed.</p> <p>Some furniture for office &amp; class rooms Training Aid Equipment, Air conditioners have been procured.</p>
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			<p>Major renovation works including water proofing, road etc. completed by CPWD. Renovation of class room, Board room SIT Lab completed. Rs. 123.77 lakhs to be utilized by March, 2011 since the scheme will be closed on 31.3.2011.</p> <p><b><u>NPTI (SR), Neyveli – Rs.579.69 lakhs</u></b></p> <p>An amount of Rs.206.08 lakhs has been deposited with CPWD for construction of Executive Hostel, Type-V Quarters etc.</p> <p>Modernisation and Upgradation of Class rooms etc. with furniture, false ceiling providing vitrified tiles etc. have been completed.</p> <p>Works in progress for procurement and setting up of Electrical Lab., Computer Lab. and Auto Control Lab.</p> <p>An amount of Rs. 188.69 lakhs to be utilized by this financial year.</p> <p><b><u>NPTI (WR), Nagpur – Rs.687.66 lakhs</u></b></p> <p>Works completed in respect of Construction of additional 4 nos. of lecture halls, new construction of metalled road in campus,</p> <p>Revised preliminary drawings for proposed 25 double seated rooms with attached toilet for MBA/PGDC/PDC students have been approved.</p> <p>Construction of new compound wall – work is partly completed.</p> <p>Upgradation of class rooms – Purchase of computers/LCD Projectors etc. have been completed.</p> <p>Installation of Diesel Generator – works completed</p> <p>Upgradation of Institute Building including new poly corroborate roof panels and improvements of</p>
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4.	<b>Augmentation of Training Facilities at PSTI, Bangalore</b>	<b>Rs.1085 lakhs</b>	<p>Centralised air cooling/air conditioning system etc. – works completed.</p> <p>Modernisation and upgradatoin of Hostel rooms/canteen – Hostel Block-A : works have been completed by CPWD.</p> <p>Modernisation and Upgradation of old computer system of simulator – works completed by M/s. ECIL, Hyderabad</p> <p>Establishment of new Lab. buildings are in progress.</p> <p>Lab. Equipment : Specifications for Lab. equipments for Fluid Power Lab, Heat Transfer Lab., Manufacturing Process Lab., Steam Generator &amp; Internal Combustion Lab., Switchgear Lab., Electrical Machine Lab. and Computer Lab. finalized.</p> <p>The scheme will be completed by March, 2011 -----</p> <p>CPWD is executing the civil works for Executive Hostel, sump/over head tank, approach road/gate and the works are in progress.</p> <p>The works relating to Modernisation of class rooms, conference hall, staff rooms, Kitchen of Hostel and furnishing of new hostels are in progress.</p> <p>CPWD has awarded the contract for construction of Guest faculty house at the existing Type E Quarter. And Civil works are in progress.</p> <p>The works relating to Establishment of Power System Protection Lab/Relay Testing Lab., High Voltage Lab. have been completed.</p> <p>The procurement of different types of instruments for Instrumentation Lab. and Computers/Printers for Computer Lab. is in progress. The Office Wide Local Area Network (LAN) is upgraded with additional number of nodes.</p>
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			<p>Work for establishment of DTS Lab. has been awarded to M/s. AREVA., after national level competitive bidding. The work will likely to be completed by Nov-2010.</p> <p>Original scheme has envisaged Rs. 1025.00 lakhs. In order to inclusion of additional items of work an amount of Rs. 60.00 lakhs which remain unspent surplus in HLTC has been re-appropriated to PSTI.</p> <p>An amount of Rs. 390 lakhs to be utilized on completion of scheme by March, 2011.</p> <p>The Scheme was proposed to be completed by 31.3.2010. Approval of Ministry of Power has been sought vide letter dated 28.7.2010 for revised completion schedule of the Scheme upto 31.3.2011.</p>
5.	<b>Augmentation of Training Facilities at HLTC Bangalore</b>	<b>Rs. 391 lakhs</b>	<p>Setting up 220 KV experimental lines and 200 KV switchyard for demo training purpose awarded to M/s. POWERGRID SR-II, Bangalore. Tower Parts for dummy line constructor received at local PGCIL Office and it is likely to be completed by 31.12.2010.</p> <p>Procurement of Hot Line Tools: Hot Line Tools, Insulator washing machine and Thermo vision camera have been procured and received at site.</p> <p>Upgradation of electrical works, purchases for library, class room, office automation, tools for cold line training etc. are in progress.</p> <p>Original scheme has envisaged Rs. 451.00 lakhs which was re appropriated to Rs. 391.00 lakhs as per functional requirement and Rs. 60.00 lakhs transferred to PSTI. Construction of 220 KV experimental lines completed &amp; 220 KV dummy switchyard has been entrusted to M/s PGCIL which is in progress.</p>

6.	<b>Upgradation &amp; Modernisation of Training Facilities at NPTI Corporate Office Faridabad</b>	<b>Rs.2493 lakhs</b>	<p>Approval of Ministry of Power for time extension upto 31.3.2011 for completion of the project in all respect without cost over run has been received</p> <p>Upgradation of class rooms – 3 Nos. establishment of GIS Lab. with furniture &amp; fixtures completed.</p> <p>02 Nos. Examination Hall established in the Institute Building.</p> <p>Modernisation of Hostel Rooms is in progress. Works for making double bed accommodation in existing single bed rooms has been completed in 60 rooms.</p> <p>Works for setting up of 120 seated Computer Lab. in the Institute building completed.</p> <p>Local bodies like Municipal Corpn. Faridabad, HUDA etc. are being consulted for future expansion of buildings.</p> <p>CPWD submitted the Preliminary Estimates for vertical expansion of Institute Building, Transit accommodation and conversion of Type VI Quarters as Hostel.</p> <p>Drawing for Institute building, Transit accommodation &amp; Type VI Quarters furnished by CPWD.</p> <p>The scheme envisaged the following Heads.</p> <p><b>A. <u>Proposed construction of infrastructure</u></b></p> <ul style="list-style-type: none"> <li>• Vertical extension of Main Institute Building</li> <li>• Vertical extension of Trainees Hostel</li> <li>• Construction of new kitchen / dining / recreation hall of transit hostel.</li> <li>• Vertical extension of Type-VI Accommodation (601-605)</li> <li>• Vertical extension of transit accommodation with one additional toilet to convert it to Trainees Hostel.</li> </ul>
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			<p><b>B. <u>Proposed infrastructure development / addition</u></b></p> <p>Infrastructure development</p> <p><b>C. <u>Proposed Specialized Resources</u></b></p> <ul style="list-style-type: none"> <li>• Setting up of Super Critical Thermal Power Plant Simulator</li> <li>• Setting up of remote sensing lab and upgradation of GIS lab</li> <li>• Establishment of Audio Visual Transmission System for Distance Learning Process</li> </ul> <p><b>D. <u>Proposed Labs</u></b></p> <ul style="list-style-type: none"> <li>• Energy Audit Lab</li> <li>• Environment Management Cell</li> <li>• IT / Computer lab</li> </ul> <p>CPWD has been entrusted the infrastructural works and till date administrative approval and expenditure sanction of Rs. 554.77 lakhs have been accorded. Rs. 208.59 lakhs so far deposited to CPWD which includes unspent balance of Rs. 35.00 lakhs laying in Gurgaon Central Division.</p> <p>CPWD has started the execution of enabling works but main packages could not be started due to the non availability of completion certificate from HUDA for previous phase-II works. D.O. Letter to the Chief Administrator, HUDA, Punchkula in this regard dispatched. Matter is being pursued with HUDA and necessary documents as asked for have also been furnished to HUDA.</p>
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## FINANCIAL PROGRESS

(Rupees in lakhs)

Name of Scheme	Cost of Scheme	Expdr. upto 2008-09	B.E 2009-10	RE 2009-10	Expdr. during 2009-10	Total Expdr. till 31-3-2010
1	2	3	4	5	6	7
<b>Establishment of NPTI (NER) Guwahati</b>	2187.87	1757.20	288.00	430.67	430.67	2187.87
<b>Setting up of HPTC, Nangal</b>	1625.00	1315.00	225.00	50.00	50.00	1365.00
Hot Line Training Centre	391.00	133.00	318.00	221.00	221.00	354.00
Power System Training Institute	1085.00	408.00	617.00	287.00	287.00	695.00
NPTI (NR)	579.55	185.00	100.00	131.00	131.00	316.00
NPTI (ER)	599.10	310.00	50.00	165.33	165.33	475.33
NPTI (SR)	578.69	240.00	50.00	150.00	150.00	390.00
NPTI (WR)	687.66	340.00	127.00	200.00	200.00	540.00
<b>Upgrading &amp; Modernisation of Training facilities at NPTI (CO), Faridabad</b>	2493.00	149.46	215.00	365.00	365.00	514.46
<b>Setting up of Institute at Lucknow</b>			10.00	0	0	
<b>Total</b>	<b>10226.87</b>	<b>4837.66</b>	<b>2000.00</b>	<b>2000.00</b>	<b>2000.00</b>	<b>6837.66</b>



*Cultural activity being performed by students of MBA (Power Management)*

## CHAPTER - 8

### ACCOUNTS & FINANCE

During the year 2009-10, an amount of Rs.3579.24 lakhs was realized, as Revenue Earnings of the Organisation as indicated in **Exhibit-IV**. The break-up of total receipts in terms of Revenue, Grants-in-Aid (Plan & Non-Plan), Remittance to Pension Fund and Total Expenditure is given in **Exhibit-V**. The Balance Sheet for the financial year 2009-10 and the necessary schedules forming its part together with the income and expenditure statements, receipts & payments etc. are placed at **Exhibit -VI**.

#### 8.1 Expenditure during 2009-2010 (under 'Plan' and 'Non-Plan' heads)

The details of actual expenditure during 2009-2010 under 'Plan' and 'Non-Plan' heads are as under:

Head of Account	Provision R.E.	Actual Expenditure (Rs. In lakhs)
Plan	2000.00	2000.00
Non-Plan	640.00	190.00

The revenue receipts of Rs 3570.24 lakhs, realized during the year were also utilized under Non-Plan expenditure.

#### 8.2 Budget Estimate for the year 2009-10

Head of Account	BE Sanctioned (Rs.in lakhs)	R.E. Sanctioned & Released (Rs. in lakhs)
Plan	2000.00	2000.00
Non Plan	200.00	190.00
Revenue Receipts	3400.00	3579.24





### 8.3 Outlay for XI<sup>th</sup> Plan 2007-2012

Ministry of Power have conveyed the approval of Plan outlay of NPTI Rs. 80 Crores for various Schemes. However, Ministry of Power vide their letter No.12/7/2009-T&R dated 18.11.2009 have revised the 11<sup>th</sup> Plan outlay amounting to Rs.82.61 crores as under :

*Rs in lakhs*

S.No	Name of the Scheme	Eleventh Plan outlay as Approved	Actual Expen. 2009-10
1.	Setting up of Training Institute at NE-R Guwahati	1148.67	430.67
2.	Setting up of Hydro Power Training Centre at Nangal	697.54	50.00
3.	Modernization & Upgradation of Training Facilities at RPTIs	2445.00	646.33
4.	Modernization & Upgradation of Training Facilities at PSTI & HLTC Bangalore	1476.00	508.00
5.	Modernization & Upgradation of Training Facilities at Corporate Office, Faridabad	2493.00	365.00
Total		8260.21	2000.00

### 9.0 Looking Ahead

NPTI is planning to start e-Learning MBA programme in Power Management through Distance Education and also one year Executive MBA programme in Power Management to facilitate larger availability of qualified and trained manpower in power sector. NPTI is also planning to start new training programs on Renewable through Public Private Partnership Model shortly at our various Regional Centres.

Exhibit-I

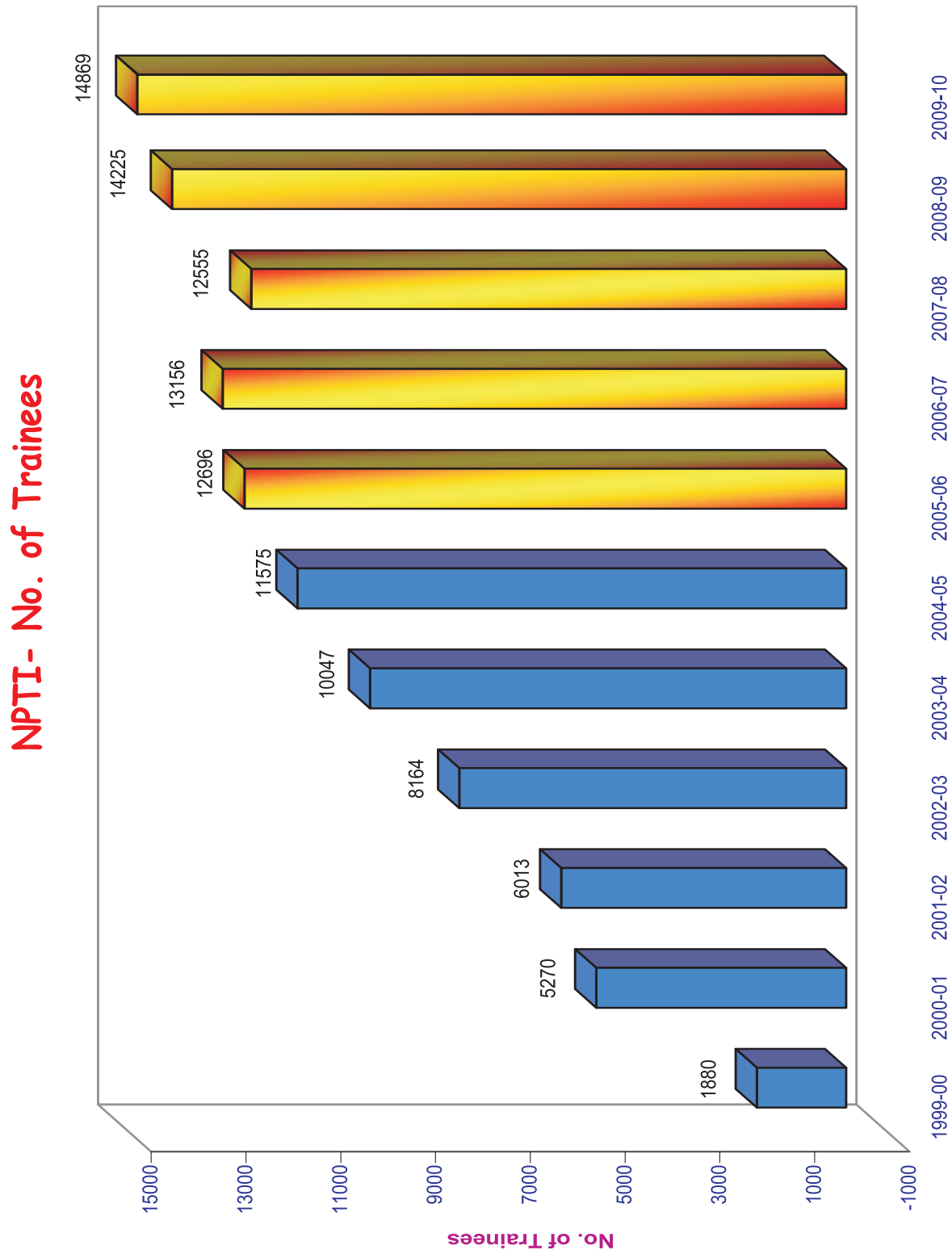
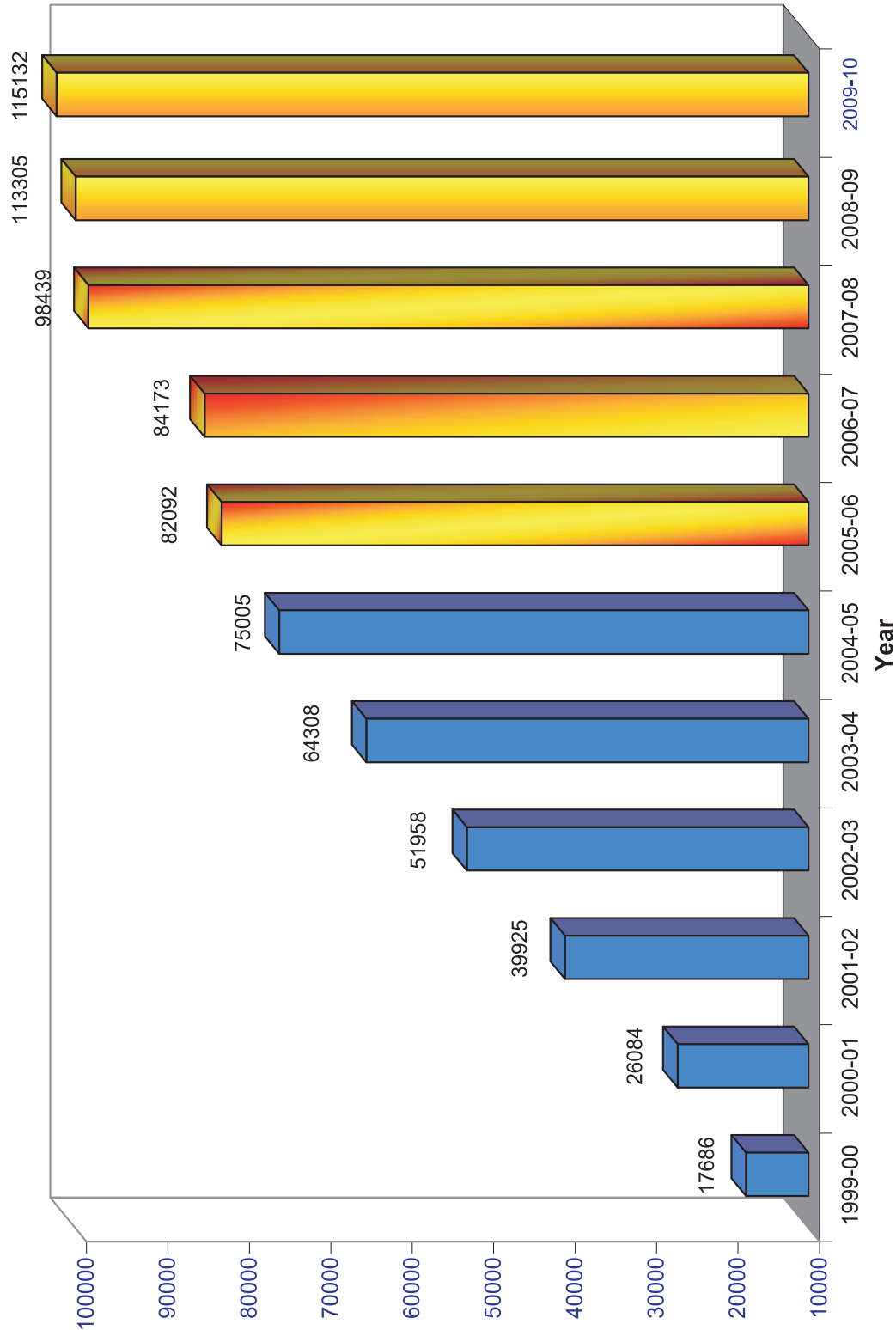


Exhibit-II

**NPTI - No. of Trainee-Weeks**



## Exhibit-III

### Training Achievements - Number of Personnel Trained by NPTI

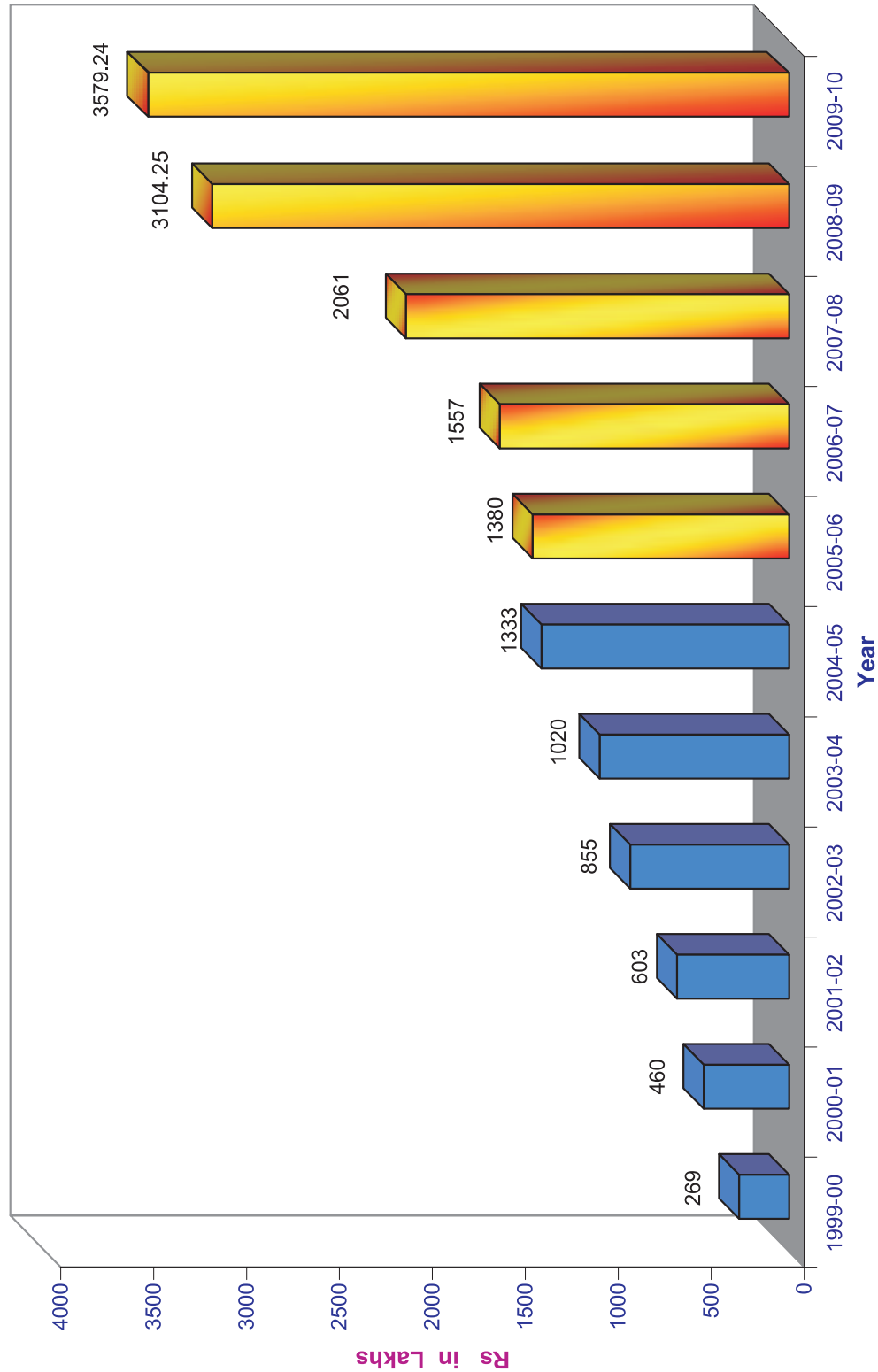
Year	GE	LOT	STE	SOT	SIM	SP	PSTI		HLTC	TOTAL
							STE	SIM		
1965-66	28	-	-							28
1966-67	30	-	-							30
1967-68	26	-	-							26
1968-69	23	27								50
1969-70	33	38								71
1970-71	30	67								97
1971-72	32	53								85
1972-73	31	30	30				50	-		141
1973-74	41	53					71	-		165
1974-75	37	90					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	255	510	652	452	411	211	226	20	63	2800
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	4968	568	7	117	8164
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	1585	410	1107	1240	8210				14869
<b>TOTAL</b>	<b>18490</b>	<b>14978</b>	<b>17464</b>	<b>22497</b>	<b>11941</b>	<b>64979</b>	<b>12922</b>	<b>582</b>	<b>2812</b>	<b>166665</b>

GE - Graduate Engineers course  
 LOT - Long Term Course for Operators and Technicians  
 STE - Short term Course for Engineers  
 SOT - Short term Course for operators and Technicians  
 SIM - Simulator courses  
 SP - Special Programs like On-site, Tailor Made, Collaborative programs with manufacturers of power equipment , computer courses , National/ Corporate seminars etc.



Exhibit-IV

## NPTI- Revenue Earnings





# Exhibit-V

## Break-up of Total Receipts (Revenue & Grants-in-aid), Non-Plan Expenditure Remittance to Pension Fund & Total Expenditure

(Rs. in lakhs)

Year	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Revenue	603	855	1020	1333.72	1380.26	1555.80	2060.81	3104.25	3579.24
Grant-in-aid (Non-Plan)	462	681	670	475.00	419.00	308.00	200.00	728.00	190.00
Total Receipts	1065	1536	1690	1808.72	1799.26	1863.80	2260.81	3832.25	3769.24
Total Non- Plan Expdr.	1065	1221	1289	1378.04	1585.94	1528.83	2010.81	2904.25	3579.24
Remittance to Pension Fund	-	315	401	430.68	213.32	308.00	250.00	928.00	190.00
Total Expenditure	1065	1536	1690	1808.72	1799.26	1836.83	2260.81	3832.25	3796.24
Plan Grant in aid	587	922	508.66	937	370	856.00	871.00	2000.00	2000.00
Expdr. (Plan)	587	922	508.66	937	262.44	963.56	871.00	2000.00	2000.00



SPED P657

कार्यालय प्रधान महालेखाकार ( लेखापरीक्षा, हरियाणा,  
प्लॉट नं. 5, सेक्टर 33-बी,  
राखिम मार्ग, चण्डीगढ़ - 160 047

OFFICE OF THE  
PRINCIPAL ACCOUNTANT GENERAL (AUDIT) HARYANA  
PLOT No. 5, SECTOR 33-B,  
DAKSHIN MARG, CHANDIGARH-160 047.  
No. OAD (SPL)/SAR-2009-10-NPTI/2010-11/  
Date: 20/11/2011 2249-51

To

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

**Subject: Separate Audit Report on the Annual Accounts of the National Power Training Institute, Faridabad for the year 2009-10**

Sir,

I am to forward herewith a copy of "Certified Annual Accounts" of National Power Training Institute, Faridabad for the year 2009-10 alongwith Separate Audit Report of Comptroller and Auditor General of India thereon. The Separate Audit Report on the accounts may be presented to the Parliament. The certification of accounts for the year 2009-10 have been conducted on the basis of information furnished/made available by the Director General, National Power Training Institute, Faridabad.

The audit was conducted under section 20 (1) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971.

You are requested to get this SAR translated into Hindi from the concerned Autonomous Body. In case, there is any contradiction in the translation between two versions, then the SAR in English version will be treated as final and correct. The disclaimer certificate may also be recorded on Hindi version of SAR as under:

'प्रस्तुत प्रतिवेदन मूल रूप से अंग्रेजी में लिखित वृषक लेखापरीक्षा प्रतिवेदन का हिन्दी अनुवाद है। यदि इसमें कोई विलम्बित परिवर्तित होती है तो अंग्रेजी में लिखित प्रतिवेदन मान्य होगा'

Yours faithfully,

Dy. Accountant General (IC-I)

DA:

- i. Separate Audit Report
- ii. Annual Accounts



12/10/10

✓

Copy of Separate Audit Report for the year 2009-10 is forwarded to the Director General, National Power Training Institute, Sector-33, Faridabad with the request to get this SAR translated into Hindi. In case, there is any contradiction in the translation between two versions, then the SAR in English version will be treated as final and correct. The disclaimer certificate may also be recorded on Hindi version of SAR as under:

‘प्रस्तुत प्रतिवेदन मूल रूप से अंग्रेजी में लिखित वृषक सेल्सपरीया प्रतीवेदन का हिन्दी अनुवाद है। यदि इसमें कोई विरुद्धि परिलक्षित होती है तो अंग्रेजी में लिखित प्रतिवेदन मान्य होगा’

*[Signature]*  
Dy Accountant General (IC-I)

DA:  
1. Separate Audit Report

Copy of Separate Audit Report for the year 2009-10 is forwarded to the Comptroller and Auditor General of India, 10-Bahadurshah-Zafar-Marg, New Delhi for information in terms of HQ letter No. 45208-Rep (AB)/407-2010 dated 4.1.2011. The Separate Audit Report has been finalized/modified in the light of Headquarters' observations. Replies to the Headquarters observations are also enclosed.

This issues with the approval of the Principal Accountant General,

*[Signature]*  
Dy Accountant General (IC-I)

DA:  
1. Separate Audit Report  
2. Proforma  
3. Replies to Headquarters' observations

8/10/10



**Separate Audit Report of the Comptroller and Auditor General of India on the Accounts of National Power Training Institute, Faridabad for the year ended 31 March 2010**

We have audited the attached Balance Sheet of National Power Training Institute, Faridabad as at 31 March 2010, Income and Expenditure Account and Receipts and Payments Account for the year ended on that date under Section 20 (1) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971. The audit has been entrusted for the period upto 2012-13. These financial statements are the responsibility of the Institute'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 and 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 and Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/CAG's 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 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, Income and Expenditure Account and Receipts and Payments Account dealt with by this report have been drawn up in the format prescribed by the Ministry of Finance.
  - iii) In our opinion, proper books of accounts and other relevant records have been maintained by the National Power Training Institute, Faridabad in so far as it appears from our examination of such books.
  - iv) We further report that:

#### **A. Balance Sheet**

##### **1. Assets**

##### **1.1 Fixed Assets : ₹ 50.48 crore (Schedule 8)**

Hot Line Training Centre (HLTC)/Power Systems Training Institute (PSTI), Bangalore merged with NPTI w.e.f. 1.4.2002, but the assets have not been transferred to NPTI till now due to non-issuance of orders by the Ministry of Power. As a result, assets had been understated. This was pointed out in the Audit Report for the years 2005-06 to 2008-09, but no corrective action has been taken by the Management.

##### **1.2 Current Assets, Loans & Advance etc.: ₹ 61.83 crore (Schedule 11)**

This included an advance of ₹ 5.59 lakh given by HLTC, Bangalore during 2004-05 and 2005-06 for which no details were





available. This was also pointed out in the Audit Reports for the years 2004-05 to 2008-09, but no action has been taken so far to recover/adjust these advances.

**B. General**

1. Library books of ₹ 76.40 lakh had been shown in Fixed Assets, but no depreciation had been charged on Library Books.

**C. Grants-in-Aid**

The institute fully utilized grants-in-aid of ₹ 21.90 crore (₹20 crore Plan and ₹ 1.90 crore Non Plan) received during the year.

**D. Management letter**

Deficiencies which have not been included in the Separate Audit Report have been brought to the notice of the National Power Training Institute, Faridabad through a management letter issued separately for remedial/corrective action.

- v. Subject to the observations given in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account as well Receipts and 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 the significant matters stated above and other matters mentioned in Annexure 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, Faridabad as at 31 March 2010 and
- b) In so far as it relates to the Income and Expenditure Account of the surplus for the year ended on that date.

**For and on behalf of the C&AG of India**



**Principal Accountant General (Audit)  
Haryana**

**Place: Chandigarh**

**Date :** 17/1/2011



**Annexure to Separate Audit Report on the accounts of National Power Training Institute, Faridabad for the year 2009-10**

**1. Adequacy of internal audit system**

Internal audit of the Institute is being conducted by a firm of Chartered Accountant.

**2. Adequacy of internal control system**

Internal Control System was inadequate as discussed below:

- HLTC, Bangalore had not maintained registers of security deposit, short term advances register, advances and other amounts recoverable in cash or kind, etc.
- NPTI (NER) Guwahati did not maintain assets register.
- HPTC, Nangal had not maintained fixed assets register in the proper form and some of the assets like buildings, etc. were not mentioned in the register.

**3. System of physical verification of fixed assets**

Physical verification of fixed assets and stock had not been conducted at the Headquarters, HLTC, Bangalore and NPTI (ER), Durgapur.

**4. System of physical verification of inventory**

Physical verification of Inventory was done.

**5. Regularity in payment of statutory dues.**

The Institute was regular in depositing its statutory dues.

**Dy. Accountant General (IC-I)**

## REPLY TO AUDIT OBSERVATIONS

### Comments on Accounts

#### A. Balance Sheet

##### 1. Assets

##### 1.1 Fixed Assets : Rs. 50.48 crore (Schedule 8)

Hot Line Training Centre (HLTC)/Power Systems Training Institute (PSTI), Bangalore merged with NPTI w.e.f. 1.4.2002, but the assets have not been transferred to NPTI till now due to non-issuance of orders by the Ministry of Power. As a result, assets had been understated. This was pointed out in the Audit Report for the years 2005-06 to 2008-09, but no corrective action has been taken by the Management.

**Reply:** Assets of PSTI /HLTC Bangalore are being taken in the books of Accounts NPTI in the fiscal year 2010-2011.

##### 1.2 Current Assets, Loans & Advance etc.. Rs/ 61.83 crore (Schedule 11)

This included an advance of ` 5.59 lakh given by HLTC, Bangalore during 2004-05 and 2005-06 for which no details were available. This was also pointed out in the Audit Reports for the years 2004-05 to 2008-09, but no action has been taken so far to recover/adjust these advances.

**Reply:** The matter is under consideration with Ministry of Power for settlement.

#### B. General

##### 1. Library books of Rs.76.40 lakh had been shown in Fixed Assets, but no depreciation had been charged on Library Books.

**Reply:** Depreciation rates for Library Books have been provided in the Income Tax Act, Hence, Depreciation will be charged as per Income Tax Act during the Fiscal year 2010-2011.



### C. Grants-in-Aid

The institute fully utilized grants-in-aid of Rs. 21.90 crore (Rs. 20 crore Plan and Rs. 1.90 crore Non Plan) received during the year.

*Reply: Factual position.*

### D. Management letter

Deficiencies which have not been included in the Separate Audit Report have been brought to the notice of the National Power Training Institute, Faridabad through a management letter issued separately for remedial/corrective action.

*Reply: Necessary actions as suggested by the Audit are being taken.*

- v. Subject to the observations given in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account as well Receipts and 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 the significant matters stated above and other matters mentioned in

Annexure 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, Faridabad as at 31 March 2010 and
- b) In so far as it relates to the Income and Expenditure Account of the surplus for the year ended on that date.

*Reply: Para no. v and vi (a & b) pertains to certification of accounts of NPTI.*

-----



**Annexure to Separate Audit Report on the accounts of  
National Power Training Institute, Faridabad for the year 2009-10**

**1. Adequacy of internal audit system**

Internal audit of the Institute is being conducted by a firm of Chartered Accountant.

**Reply:** Factual position.

**2. Adequacy of internal control system**

Internal Control System was inadequate as discussed below:

- HLTC, Bangalore had not maintained registers of security deposit, short term advances register, advances and other amounts recoverable in cash or kind, etc.
- NPTI (NER) Guwahati did not maintain assets register.
- HPTC, Nangal had not maintained fixed assets register in the proper form and some of the assets like buildings, etc. were not mentioned in the register.

**Reply:** Necessary action has been taken and same will be shown to the next Audit.

**3. System of physical verification of fixed assets**

Physical verification of fixed assets and stock had not been conducted at the Headquarters, HLTC, Bangalore and NPTI (ER), Durgapur.

**Reply:** Necessary instruction has been issued to the respective Institute to conduct Physical verification before start of Audit.

**4. System of physical verification of inventory**

Physical verification of Inventory was done.

**Reply:** Factual position.

**5. Regularity in payment of statutory dues.**

The Institute was regular in depositing its statutory dues.

**Reply:** No comment.



## FINANCIAL STATEMENTS ( NON-PROFIT ORGANISATIONS ) NATIONAL POWER TRAINING INSTITUTE

( UNDER MINISTRY OF POWER, GOVT. OF INDIA )

BALANCE SHEET AS AT 31st MARCH, 2010

(AMOUNT-in ₹)

CORPUS / CAPITAL FUND AND LIABILITIES	Schedule	Current year	Previous year
CORPUS / CAPITAL FUND	1	1,039,500,780.15	895,664,270.01
RESERVES AND SURPLUS	2	5,626,967.00	291,467.00
EARMARKED/ENDOWMENT FUNDS	3	485,931,572.48	408,333,400.48
SECURED LOANS & BORROWINGS	4	0.00	0.00
UNSECURED LOANS AND BORROWINGS	5	0.00	0.00
DEFERRED CREDIT LIABILITIES	6	0.00	0.00
CURRENT LIABILITIES AND PROVISIONS	7	35,586,335.00	33,839,762.96
<b>TOTAL</b>		<b>1,566,645,654.63</b>	<b>1,338,128,900.45</b>
<b>ASSETS</b>			
FIXED ASSETS	8	504,840,566.20	468,637,783.33
INVESTMENTS-FROM EARMARKED/ENDOWMENT FUNDS	9	393,368,592.00	340,965,819.00
INVESTMENTS- OTHERS	10	50,103,364.00	24,296,852.00
CURRENT ASSETS,LOANS, ADVANCES ETC.	11	618,333,132.43	504,228,446.12
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)	-		
<b>TOTAL</b>		<b>1,566,645,654.63</b>	<b>1,338,128,900.45</b>
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

sd/

DIRECTOR GENERAL

# FINANCIAL STATEMENTS ( NON-PROFIT ORGANISATIONS ) NATIONAL POWER TRAINING INSTITUTE

## INCOME & EXPENDITURE ACCOUNT FOR THE PERIOD/YEAR ENDED 31st MARCH, 2010

(AMOUNT-in ₹)					
INCOME	Schedule	Current year	Previous year		
Income from Sales/Services	12	312,197,740.00	285,864,965.97		
Grants/Subsidies	13	11,477,684.00	10,226,425.00		
Fees/Subscriptions	14	0.00	0.00		
Income from Investments(Income on Invest. from earmarked)	15	0.00	0.00		
Income from Royalty, Publication etc.	16	0.00	0.00		
Interest Earned	17	2,923,104.00	3,815,259.00		
Other Income	18	35,051,624.94	29,327,231.00		
Increase/(decrease) in stock of Finished goods and works-in-progress	19	163,404.00	-79,644.00		
<b>TOTAL (A)</b>		<b>361,813,556.94</b>	<b>329,154,236.97</b>		
EXPENDITURE					
Establishment Expenses	20	205,204,056.00	155,484,560.00		
Other Administrative Expenses etc.	21	107,444,422.80	117,558,442.69		
Expenditure in Grants, Subsidies etc.	22	0.00	0.00		
Interest	23	3,238,832.00	3,258,427.00		
Depreciation (Net Total at the year -end-corresponding to schedule 8)		43,591,827.00	46,446,840.00		
<b>TOTAL (B)</b>		<b>359,479,137.80</b>	<b>322,748,269.69</b>		
<b>Balance being excess of Income over expenditure (A-B)</b>		<b>2,334,419.14</b>	<b>6,405,967.28</b>		
Transfer to special Reserve (Specify each)- Pension		0.00	20,000,000.00		
Transfer to/ from General Reserve					
<b>BALANCE BEING SURPLUS/(DEFICIT)CARRIED TO CORPUS/ CAPITAL FUND</b>		<b>0.00</b>	<b>-13,594,032.72</b>		
SIGNIFICANT ACCOUNTING POLICIES	24				
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25				

sd/  
DIRECTOR GENERAL



**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2010**

<b>SCHEDULE 1 - CORPUS/CAPITAL FUND :</b>	<b>(AMOUNT-in ₹)</b>	
	<b>Current year</b>	<b>Previous year</b>
Balance as at the beginning of the year	895,664,270.01	719,484,727.73
Add : Contributions towards Corpus/Capital Fund ( Plan )	188,522,316.00	189,773,575.00
Add : Contributions towards Corpus/Capital Fund (Non- Plan )	0.00	0.00
Add/(Deduct) : Balance of Net income/(expenditure)	2,334,419.14	-13,594,032.72
from the Income and Expenditure Account		
Medical Fund (-)	5,267,917.00	0.00
Disposal of Asset (-)	7,308.00	0.00
Provision for HBA/MCA (-)	5,300,000.00	0.00
Depreciation Fund (-)	36,445,000.00	0.00
<b><u>BALANCE AS AT THE YEAR - END</u></b>	<b>1,039,500,780.15</b>	<b>895,664,270.01</b>

<b>SCHEDULE 2- RESERVES AND SURPLUS</b>	<b>(AMOUNT-in ₹)</b>	
	<b>Current year</b>	<b>Previous year</b>
<b>1. Capital Reserve</b>		
As per last amount	0.00	0.00
Addition during the year	0.00	0.00
Less : Deductions during the year	0.00	0.00
<b>2. Revaluation Reserve:</b>		
As per last amount	0.00	0.00
Addition during the year	0.00	0.00
Less : Deductions during the year	0.00	0.00
<b>3. Special Reserve:</b>		
As per last amount	291,467.00	0.00
Addition during the year	35,500.00	291,467.00
Less : Deductions during the year	0.00	0.00
<b>4. General Reserve:</b>		
As per last amount	0.00	0.00
Addition during the year	5,300,000.00	0.00
Less : Deductions during the year	0.00	0.00
<b><u>TOTAL</u></b>	<b>5,626,967.00</b>	<b>291,467.00</b>

**NATIONAL POWER TRAINING INSTITUTE**  
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2010

SCHEDULE 3 - EARMARKED/ENDOWMENT FUNDS										FUND-WISE BREAK UP					(AMOUNT-in ₹)	
		GP Fund	CP Fund	Pension Fund	New Pension	Medical Retired Employees Fund	Depreciation Fund	Current Year	Previous Year							
a) Opening balance of the funds		86,955,016.92	15,195,404.00	302,285,112.56	3,897,867.00			408,333,400.48	293,060,205.48							
b) Additions to the Funds :																
i) Donation/Grants/Subsription		38,029,168.00	3,912,604.00	42,008.00	2,194,391.00	9,200,000.00	36,445,000.00	89,823,171.00	106,131,226.00							
Govt.Grants		0.00	0.00	19,000,000.00	0.00	0.00	0.00	19,000,000.00	20,000,000.00							
Government Contribution																
ii) Income from investments made on account of Funds		2,809,737.00	0.00	26,175,984.00	0.00	5,267,917.00	0.00	34,253,638.00	1,175,859.00							
iii) Other additions(specify nature)																
(Accrued Interest)		2,984,968.00	719,621.00	4,036,746.00	77,326.00	0.00	0.00	7,818,661.00	26,634,303.00							
TOTAL (a+b)		130,778,889.92	19,827,629.00	351,539,850.56	6,169,584.00	14,467,917.00	36,445,000.00	559,228,870.48	447,001,593.48							
c)Utilisation/Exp. towards objectives of funds																
I. Capital Expenditure																
Fixed Assets		0.00	0.00		0.00	0.00	0.00	0.00	0.00							
Others- Advance/withdrawal		28,240,406.00	6,506,688.00	0.00	0.00	0.00	0.00	34,747,094.00	23,816,684.00							
TOTAL		28,240,406.00	6,506,688.00	0.00	0.00	0.00	0.00	34,747,094.00	23,816,684.00							
II.Revenue Expenditure																
Salaries, Wages and allowances etc.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
Rent/ Interest		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
Other Administrative expenses/Pension		0.00	0.00	38,127,128.00	0.00	423,076.00	0.00	38,550,204.00	14,851,509.00							
TOTAL		0.00	0.00	38,127,128.00	0.00	423,076.00	0.00	38,550,204.00	14,851,509.00							
TOTAL ( c )		28,240,406.00	6,506,688.00	38,127,128.00	0.00	423,076.00	0.00	73,297,298.00	38,668,193.00							
NET BALANCE AS AT THE YEAR-END																
(a + b - c)		102,538,483.92	13,320,941.00	313,412,722.56	6,169,584.00	14,044,841.00	36,445,000.00	485,931,572.48	408,333,400.48							





**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2010**

<b>SCHEDULE 4 - SECURED LOANS AND BORROWINGS :</b>		<b>(AMOUNT-in ₹)</b>	
		<b>Current year</b>	<b>Previous year</b>
1. Central Government		0.00	0.00
2. State Government (Specify)		0.00	0.00
3. Financial Institutions			
a) Term Loans		0.00	0.00
b) Interest accrued and due		0.00	0.00
4. Banks:			
a) Term Loans		0.00	0.00
- Interest accrued and due		0.00	0.00
b) Other Loans (Specify)		0.00	0.00
- Interest accrued and due		0.00	0.00
5. Other Institutions and Agencies		0.00	0.00
6. Debentures and Bonds		0.00	0.00
7. Others (Specify)		0.00	0.00
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>

Note : Amounts due within one year

<b>SCHEDULE 5 -UNSECURED LOANS AND BORROWINGS :</b>		<b>(AMOUNT-in ₹)</b>	
		<b>Current year</b>	<b>Previous year</b>
1. Central Government		0.00	0.00
2. State Government (Specify)		0.00	0.00
3. Financial Institutions		0.00	0.00
4. Banks:			
a) Term Loans		0.00	0.00
b) Other Loans (Specify)		0.00	0.00
5. Other Institutions and Agencies		0.00	0.00
6. Debentures and Bonds		0.00	0.00
7. Fixed Deposits		0.00	0.00
8. Others (Specify)		0.00	0.00
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>

Name of Scheme	Cost of Scheme	Expdr. upto 2008-09	B.E 2009-10	RE 2009-10	Expdr. during 2009-10	Total Expdr. till 31-3-10
1	2	3	4	5	6	7
<b>Establishment of NPTI (NER) Guwahati</b>	2187.87	1757.20	288.00	430.67	430.67	2187.87
<b>Setting up of HPTC, Nangal</b>	1625.00	1315.00	225.00	50.00	50.00	1365.00
Hot Line Training Centre	391.00	133.00	318.00	221.00	221.00	354.00
Power System Training Institute	1085.00	408.00	617.00	287.00	287.00	695.00
NPTI (NR)	579.55	185.00	100.00	131.00	131.00	316.00
NPTI (ER)	599.10	310.00	50.00	165.33	165.33	475.33
NPTI (SR)	579.69	240.00	50.00	150.00	150.00	390.00
NPTI (WR)	687.66	340.00	127.00	200.00	200.00	540.00
<b>Upgrading &amp; Modernisation of Training facilities at NPTI (CO), Faridabad</b>	2493.00	149.46	215.00	365.00	365.00	514.46
<b>Setting up of Institute at Lucknow</b>			10.00	0	0	
<b>Total</b>	<b>1022387.87</b>	<b>4837.66</b>	<b>2000.00</b>	<b>2000.00</b>	<b>2000.00</b>	<b>6837.66</b>



**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2010**

SCHEDULE 8 - FIXED ASSETS DESCRIPTION	(AMOUNT-in ₹)									
	GROSS BLOCK			DEPRECIATION			NET BLOCK			
	Cost/Valuation As at beginning of the year 01.04.2009	Additions during the year 2009-10	Deductions during the year 2009-10	Cost/Valuation at the year end 31.03.2010	As at the beginning of the year	On Additions during the year 2009-10	Deductions during the year 2009-10	Total up to the year - end 2009-10	As at the Current year As at the Previous year end 31.03.2010	
Land-Free hold	12,724,163.00	1,124,000.00	139,268.00	13,708,895.00	0.00	0.00	0.00	0.00	13,708,895.00	12,724,163.00
Land-Leasehold	3,747,768.00	0.00	-139,268.00	3,887,036.00	0.00	0.00	0.00	0.00	3,887,036.00	3,747,768.00
Building-On freehold Land	287,007,350.14	22,110,072.01	27,249,910.57	281,867,511.58	65,659,563.57	7,821,982.00	6,680,114.57	66,801,431.00	215,066,080.58	221,347,786.57
Building-On Leasehold Land	46,392,127.97	3,491,921.00	-27,249,910.57	77,133,959.54	9,490,968.00	2,156,275.00	-6,680,114.57	18,327,357.57	58,806,601.97	36,901,159.97
Plant machinery & Equipment	208,387,430.44	23,861,831.50	10,944,505.52	221,304,756.42	97,280,040.76	13,010,291.00	8,467,856.52	101,822,475.24	119,482,281.18	111,107,389.68
Vehicles	13,019,618.40	638,870.60	311,365.00	13,347,124.00	8,096,424.36	1,336,845.00	301,181.00	9,132,088.36	4,215,035.64	4,923,194.04
Furniture,Fixtures.	65,802,727.47	17,289,130.66	124,355.06	82,967,503.07	45,759,928.43	8,455,962.00	115,991.00	54,099,899.43	28,867,603.64	20,042,799.04
Office Equipment	9,901,473.88	561,976.00	136,973.00	10,326,476.88	6,336,757.88	376,242.00	32,462.00	6,680,537.88	3,645,939.00	3,564,716.00
Computer/Peripherals	61,100,773.95	7,628,080.00	0.00	68,728,853.95	41,391,367.30	5,559,413.00	0.00	46,950,780.30	21,778,073.65	19,709,406.65
Electric Installations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Library Books	6,969,910.38	673,116.16	2,526.00	7,640,500.54	0.00	0.00	0.00	0.00	7,640,500.54	6,969,910.38
Tubewells & W.Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Fixed Assets/Simulators	365,456,161.00	2,536,826.00	-10,944,505.52	378,937,481.52	337,856,671.00	4,874,817.00	-8,463,485.52	351,194,973.52	27,742,519.00	27,599,490.00
<b>TOTAL OF CURRENT YEAR</b>	<b>1,080,509,504.63</b>	<b>79,915,823.93</b>	<b>575,219.06</b>	<b>1,159,850,109.50</b>	<b>611,871,721.30</b>	<b>43,591,827.00</b>	<b>454,005.00</b>	<b>655,009,543.30</b>	<b>504,840,566.20</b>	<b>468,637,783.33</b>
<b>PREVIOUS YEAR</b>	<b>989,558,798.63</b>	<b>90,950,706.00</b>	<b>0.00</b>	<b>1,080,509,504.63</b>	<b>565,424,881.30</b>	<b>46,446,840.00</b>	<b>0.00</b>	<b>611,871,721.30</b>		
<b>B. CAPITAL WORK - IN - PROGRESS</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
<b>TOTAL</b>	<b>1,080,509,504.63</b>	<b>79,915,823.93</b>	<b>575,219.06</b>	<b>1,159,850,109.50</b>	<b>611,871,721.30</b>	<b>43,591,827.00</b>	<b>454,005.00</b>	<b>655,009,543.30</b>	<b>504,840,566.20</b>	<b>468,637,783.33</b>

SCHEDULE - 10 INVESTMENTS - OTHERS		
	Current Year	Previous Year
1. In Government Securities	0.00	0.00
2. Other approved Securities	0.00	0.00
3. Shares	0.00	0.00
4. Debentures and Bonds	0.00	0.00
5. Subsidiaries and Joint Ventures	0.00	0.00
6. Others (to be specified) STATE BANK OF INDIA (Short term Deposit - E.M.D., S.D. etc.)	50,103,364.00	24,296,852.00
<b>TOTAL</b>	<b>50,103,364.00</b>	<b>24,296,852.00</b>



**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2010**

		(AMOUNT-in ₹)	
		Current year	Previous year
<b>SCHEDULE 11 CURRENT ASSETS, LOANS, ADVANCES ETC. :</b>			
<b>A. CURRENT ASSETS</b>			
<b>1. Inventories</b>			
a) Stores and Spares	0.00	0.00	0.00
b) Loose Tools	0.00	0.00	0.00
c) Stock-in-trade			
Finished Goods	731,692.00	0.00	568,288.00
Work-in-progress	0.00	0.00	0.00
Raw Materials	0.00	0.00	0.00
<b>2. Sundry Debtors</b>			
a) Debts Outstanding for a period exceeding six month	270,448.00	0.00	0.00
Others	23,998,581.00	0.00	33,150,447.00
Statement-3	3,000.00	0.00	3,460.00
<b>3. Cash balance in hand (including cheques/drafts and imprest)</b>			
<b>4. Bank Balances</b>			
a) With Scheduled Banks:			
On Current Accounts	74,297,631.00	0.00	40,361,234.15
On Deposit Accounts.	0.00	0.00	0.00
On Saving Accounts.	0.00	0.00	0.00
GPF	8,908,278.42	0.00	8,873,363.42
CPF	842,076.00	0.00	2,593,556.00
Pension	21,728,521.56	0.00	10,490,603.56
b) With non-Scheduled Banks	0.00	0.00	0.00
On Current Accounts	0.00	0.00	0.00
On Deposit Accounts.	0.00	0.00	0.00
On Saving Accounts.	0.00	0.00	0.00
<b>5. Post Office - Saving Accounts</b>	0.00	0.00	0.00
<b>TOTAL (A)</b>	<b>130,780,227.98</b>	<b>0.00</b>	<b>96,040,952.13</b>



**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH 2010**

SCHEDULE 11 CURRENT ASSETS, LOANS, ADVANCES ETC. : (Contd.)		(AMOUNT-in ₹)	
	Current year	Previous year	
<b>B. LOANS ADVANCES AND OTHER ASSETS</b>			
<b>1. Loans</b>			
a) Staff			
i) House Building Advance	35,285.00	55,925.00	0.00
ii) Motor Car Advance	86,539.00	100,891.00	0.00
iii) Computer Advance	0.00	0.00	0.00
iv) Short Term Advance	334,387.30	297,408.25	0.00
b) Other Entities engaged in activities/objectives similar to that of the Entity.	0.00	0.00	0.00
c) Other (Specify)- Advance to Staff on Tour & Transfer Advance for Petrol & Lubricants	2,014,934.70	1,278,068.65	0.00
	65,000.00	65,000.00	0.00
<b>Advances and other amount recoverable in cash or in kind or value to be received</b>			
a) On Capital Account - Temporary Advance	259,452,452.00	358,366,931.09	0.00
b) Prepayment - Advance for Execution of Work	212,552,665.45	1,021,526.00	0.00
c) Others	124,579.00	559,191.00	0.00
	559,191.00	0.00	0.00
<b>Income Accrued</b>			
a) On Investments from Earmarked/Endowment Funds			
GPF	5,760,571.00	10,222,408.00	0.00
CPF	719,621.00	1,208,108.00	0.00
Pension	4,036,746.00	33,751,032.00	0.00
New Pension	77,326.00	228,511.00	0.00
b) On investment - Others (Short term Deposit)	1,651,337.00	949,964.00	0.00
c) On Loans and Advances	4,600.00	4,860.00	0.00
d) Others (includes income due unrealised-Rs. )		0.00	0.00
<b>Claim Receivable</b>	77,670.00	77,670.00	0.00
<b>TOTAL (B)</b>	<b>487,552,904.45</b>	<b>408,187,493.99</b>	<b>0.00</b>
<b>TOTAL (A + B)</b>	<b>618,333,132.43</b>	<b>504,228,446.12</b>	<b>0.00</b>



**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD/YEAR ENDED 31st March 2010**

<b>SCHEDULE 12 - INCOME FROM SALES/SERVICES</b>		<b>(AMOUNT-in ₹)</b>	
		<b>Current Year</b>	<b>Previous Year</b>
<b>Income from Sales</b>			
a) Sales of Finished Goods - C.B.T. Package		3,415,500.00	1,086,472.00
- Sale of Publication		875,307.00	419,503.00
b) Sale of Raw Material		0.00	0.00
c) Sale of Scraps		0.00	0.00
<b>Income from Services</b>			
a) Labour and Processing Charges		0.00	0.00
b) Professional/Consultancy Services		0.00	0.00
c) Agency Commission and Brokerage		0.00	0.00
d) Maintenance Services ( Equipment/Property)		0.00	0.00
c) Others		0.00	0.00
	(As per Statement No. 2)	307,906,933.00	284,358,990.97
<b>TOTAL</b>		<b>312,197,740.00</b>	<b>285,864,965.97</b>

<b>SCHEDULE 13 - GRANTS/SUBSIDIES</b>		<b>(irrevocable Grants &amp; Subsidies Received)</b>	
		<b>Current Year</b>	<b>Previous Year</b>
Central Government		11,477,684.00	10,226,425.00
State Government(s)		0.00	0.00
Government Agencies		0.00	0.00
Institutions/Welfare Bodies		0.00	0.00
International Organisations		0.00	0.00
Others (Specify)		0.00	0.00
<b>TOTAL</b>		<b>11,477,684.00</b>	<b>10,226,425.00</b>

**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD/YEAR ENDED 31st MARCH 2010**

<b>SCHEDULE 14 - FEES/SUBSCRIPTIONS</b>		<b>(AMOUNT-in ₹)</b>	
		<b>Current Year</b>	<b>Previous Year</b>
a) Entrance Fees		0.00	0.00
b) Annual Fees/Subscriptions		0.00	0.00
c) Seminar/Programme Fees		0.00	0.00
d) Consultancy Fees		0.00	0.00
e) Others (Specify)		0.00	0.00
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>

<b>SCHEDULE 15 - INCOME FROM INVESTMENTS</b>		<b>(AMOUNT-in ₹)</b>	
<b>(Income on Invest. From Earmarked/Endowment funds transferred to Funds)</b>		<b>Investment from Earmarked Fund</b>	
		<b>Current Year</b>	<b>Previous Year</b>
1. Interest		0.00	0.00
a) On Govt. Securities		0.00	0.00
b) Other Bonds/Debentures		0.00	0.00
2. Dividends		0.00	0.00
a) On Shares		0.00	0.00
b) On Mutual Fund/Securities		0.00	0.00
3. Rents		0.00	0.00
4. Others (Specify)		0.00	0.00
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>

**TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS**



**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD/YEAR ENDED 31st MARCH, 2010**

(AMOUNT-in ₹)		
<b>SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.</b>	<b>Current Year</b>	<b>Previous Year</b>
1. Income from Royalty	0.00	0.00
2. Income from Publications	0.00	0.00
3. Other (Specify)	0.00	0.00
<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>

<b>SCHEDULE 17 - INTEREST EARNED</b>	<b>Current Year</b>	<b>Previous Year</b>
On Term Deposits		
a) With Scheduled Banks - State Bank of India	0.00	0.00
Provident Fund	0.00	0.00
Pension Fund	0.00	0.00
Short Term Deposit	2,023,520.00	3,352,524.00
b) With Non-Scheduled Banks	0.00	0.00
c) With Institutions	0.00	0.00
d) Others	0.00	0.00
On Savings Accounts		
a) With Scheduled Banks - State Bank of India	0.00	0.00
Provident Fund	0.00	0.00
Pension Fund	0.00	0.00
Benevolent Fund	0.00	0.00
b) With Non-Scheduled Banks	0.00	0.00
c) With Institutions	0.00	0.00
d) Others	0.00	0.00
On Loans		
a) Employees/Staff	899,584.00	462,735.00
b) Others	0.00	0.00
Interest on Debtors and Other Receivables	0.00	0.00
<b>TOTAL</b>	<b>2,923,104.00</b>	<b>3,815,259.00</b>

**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD/YEAR ENDED 31st MARCH, 2010**

<b>SCHEDULE 18 - OTHER INCOME</b>		<b>(AMOUNT-in ₹)</b>	
	<b>Current Year</b>	<b>Previous Year</b>	
Profit on Sale/disposal of Assets			
a) Owned Assets	0.00	0.00	
b) Assets Acquired out of grants, or received free of cost	119,000.00	119,000.00	
Export Incentives realised	0.00	0.00	
Fees for Miscellaneous Services	0.00	0.00	
Miscellaneous Income	0.00	0.00	
a) Sale of Tender	106,600.00	113,600.00	
b) Recovery of Rent of Building/Hostel etc	25,363,683.00	21,252,123.00	
c) Recovery of Electricity/Water Charges	1,207,604.00	953,758.00	
d) Other Miscellaneous	8,254,737.94	6,888,750.00	
<b>TOTAL</b>	<b>35,051,624.94</b>	<b>29,327,231.00</b>	
<b>SCHEDULE 19 - INCREASE/(DECREASE) IN STOCK OF FINISHED GOODS &amp; WORK IN PROGRESS.</b>		<b>(AMOUNT-in ₹)</b>	
	<b>Current Year</b>	<b>Previous Year</b>	
A) Closing Stock			
Finished Goods	731,692.00	568,288.00	
Work in Progress	0.00	0.00	
B) Less : Opening Stock			
Finished Goods	568,288.00	647,932.00	
Work in Progress	0.00	0.00	
<b>NET INCREASE/(DECREASE) ( A - B)</b>	<b>163,404.00</b>	<b>-79,644.00</b>	
<b>SCHEDULE 20 - ESTABLISHMENT EXPENSES</b>		<b>(AMOUNT-in ₹)</b>	
	<b>Current Year</b>	<b>Previous Year</b>	
a) Salaries and Wages	196,976,036.00	148,722,442.00	
b) Allowances & Bonus	3,324,694.00	2,782,036.00	
c) Contribution to Provident Fund	937,356.00	1,242,092.00	
d) Contribution to Other Fund (Specify)	0.00	0.00	
e) Staff Welfare Expenses	0.00	0.00	
f) Expenses on Employees Retirement & Terminal Benefits	1,847,524.00	2,737,990.00	
g) Others (Specify)	2,118,446.00		
<b>TOTAL</b>	<b>205,204,056.00</b>	<b>155,484,560.00</b>	





**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD/YEAR ENDED 31st MARCH, 2010**

<b>SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC.</b>				<b>(AMOUNT-in ₹)</b>	
	Plan	Non-Plan	Current Year	Previous Year	
a) Purchase-					
I) Trg. Aids & Equipment ( Non-Capital )	0.00	3,048,823.00	3,048,823.00	3,448,427.00	
II) Publication of Training Manuals	0.00	1,311,075.00	1,311,075.00	394,678.00	
b) Cartage and Carriage Inwards				0.00	
c) Electricity charges	450,119.00	12,939,223.00	13,389,342.00	12,886,353.00	
d) Water charges	0.00	2,020,865.00	2,020,865.00	1,423,331.00	
e) Insurance- Vechiles	43,382.00	262,585.00	305,967.00	380,095.00	
f) Repair and Maintenance					
Building, Roads & Garden	66,840.00	12,635,112.00	12,701,952.00	11,932,555.00	
Equipments	0.00	9,639,817.00	9,639,817.00	8,447,981.00	
Furniture	0.00	155,265.00	155,265.00	115,487.00	
g) Excise Duty					
h) Rent, Rates & Taxes - Property Tax	0.00	1,204,987.00	1,204,987.00	4,734,666.00	
i) Vehicles Running and Maintenance	167,198.00	2,602,968.00	2,770,166.00	3,243,146.60	
j) Postage, Telephone and Communication charges	213,375.00	3,177,673.00	3,391,048.00	2,848,620.00	
k) Printing & Stationery	618,964.00	4,107,291.00	4,726,255.00	4,245,152.00	
l) Travelling Expenses	318,647.00	8,150,318.00	8,468,965.00	6,644,329.00	
m) Expenses on Seminar/workshop	0.00	1,881,066.00	1,881,066.00	1,566,664.00	
n) Subscription Expenses - Journals	0.00	138,521.00	138,521.00	135,981.00	
o) Expenses on Fees	0.00	2,301,476.00	2,301,476.00	1,449,119.00	
p) Audit Fees	54,832.00	576,575.00	631,407.00	797,665.00	
q) Hospitality and Entertainment Expenses	97,410.00	14,186,276.00	14,283,686.00	4,440,847.00	
r) Professional Charges - Payment to Experts	212,914.00	10,670,999.15	10,883,913.15	9,033,656.00	
s) Provision for Bad and Doubtful Debts/Advances	0.00	0.00	0.00	0.00	
t) Irrecoverable Balances Written- off	0.00	0.00	0.00	0.00	
u) Packing Charges	0.00	0.00	0.00	0.00	
v) Freight and Forwarding Expenses	0.00	0.00	0.00	0.00	
w) Distribution Expenses	0.00	0.00	0.00	0.00	
x) Advertisement and Publicity - ( DAVP/Other advertisements)	78,585.00	2,235,484.00	2,314,069.00	1,130,428.00	
y) Others, (security services, General Cleaning, News Paper etc.)	792,024.00	11,083,733.65	11,875,757.65	38,259,262.09	
<b>TOTAL</b>	<b>3,114,290.00</b>	<b>104,330,132.80</b>	<b>107,444,422.80</b>	<b>117,558,442.69</b>	

**NATIONAL POWER TRAINING INSTITUTE**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE PERIOD/YEAR ENDED 31st MARCH, 2010**

(AMOUNT-in ₹)

<b>SCHEDULE 22 - EXPENDITURE ON GRANTS, SUBSIDIES ETC.</b>	<b>Current Year</b>	<b>Previous Year</b>
a) Grants given to Institutions/Organisations	0.00	0.00
b) Subsidies given to Institutions/Organisations	0.00	0.00
<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>

<b>SCHEDULE 23 - INTEREST</b>	<b>Current Year</b>	<b>Previous Year</b>
On Fixed Loans	0.00	0.00
On other Loans (including Bank Charges)	0.00	0.00
Others (Specify)		
Interest on General Provident Fund	3,238,832.00	3,258,427.00
Interest on Contributory Provident Fund	0.00	0.00
<b>TOTAL</b>	<b>3,238,832.00</b>	<b>3,258,427.00</b>



**NATIONAL POWER TRAINING INSTITUTE**  
**STATEMENT FORMING PART OF SCHEDULE 7 (5- b ) OF BALANCE SHEET AS AT 31st MARCH 2010**  
**( Outstanding Expenses )**

<b>STATEMENT 1 - STATUTORY LIABILITIES :</b>		<b>(AMOUNT-in ₹)</b>	
	<b>Current Year</b>	<b>Previous year</b>	
a) Salaries	13,450,584.00	12,221,009.00	
b) Allowances and Bonus ( OTA /Tuition Fee, etc.)	150,390.00	1,788.00	
c) Contribution to Provident Fund	0.00	0.00	
d) Contribution to Pension and Retirement benefit	9,409.00	0.00	
e) Purchase-	0.00	0.00	
I) Trg. Aids & Equipment ( Non - Capital )	0.00	0.00	
II) Publication of Training Manuals	0.00	0.00	
f) Electricity Charges	648,892.00	807,374.00	
g) Water charges	116,592.00	106,112.00	
h) Insurance- vechile.etc	0.00	0.00	
i) Repair and Maintenance	0.00	0.00	
Building, Roads & Garden	218,126.00	192,681.00	
Equipments	782,848.00	0.00	
Furniture	0.00	0.00	
j) Rent, Rates & Taxes	1,404.00	1,000.00	
k) Vehicles Running and Maintenance	90,967.00	44,744.00	
l) Postage, Telephone and Communication charges	172,611.00	210,481.00	
m) Printing & Stationery	0.00	0.00	
n) Travelling Expenses	0.00	8,233.00	
o) Expenses on Seminar/workshop	0.00	0.00	
p) Subscription Expenses - Journals	0.00	0.00	
q) Audit Fees	0.00	0.00	
r) Hospitality and Entertainment Expenses	642,155.00	43,890.00	
s) Professional Charges - Payment to Experts	553,710.00	189,782.00	
t) Advertisement and Publicity - (DAVP/Other advertisements)	0.00	0.00	
u) Others	399,433.00	310,364.00	
v) Unspent Grant - Non-Plan Grant ( Government, liabilities)	0.00	0.00	
w) Other Liabilities	0.00	0.00	
x) Interest Due	0.00	0.00	
<b>TOTAL</b>	<b>17,237,121.00</b>	<b>14,137,458.00</b>	

**NATIONAL POWER TRAINING INSTITUTE**  
**STATEMENT FORMING PART OF SCHEDULE 12 (2- b ) OF INCOME & EXPENDITURE AS AT 31st MARCH 2010**

<b>STATEMENT -2 - PROFESSIONAL/CONSULTANCY CHARGES</b>		<b>(AMOUNT-in ₹)</b>	
		<b>Current Year</b>	<b>Previous year</b>
a)	Trg. Fees for MBA (Power)	18,550,000.00	12,450,000.00
b)	Trg. Fees for P.G.D.C. Course	47,743,130.00	19,399,915.00
c)	Trg. Fees for B.Tech. Course	31,354,358.00	29,009,843.00
d)	Trg.Fee for Graduate Engineers	73,098,410.00	95,924,635.00
e)	Trg.Fee for Diploma Holders	28,970,317.00	16,265,050.00
f)	Trg.Fee for short term courses	65,524,858.00	62,806,967.99
g)	Trg.Fee for ad-hoc special course	22,876,211.00	27,772,831.98
h)	Other services rendered	3,168,601.00	3,160,119.00
I)	Trg. Fee O & M Hydro	0.00	3,091,000.00
J)	Simulator fee	11,437,610.00	6,939,412.00
k)	Sem/Workshop	2,390,760.00	1,519,310.00
l)	Consultancy Charge	2,792,678.00	6,019,907.00
<b>TOTAL</b>		<b>307,906,933.00</b>	<b>284,358,990.97</b>



**NATIONAL POWER TRAINING INSTITUTE**  
**STATEMENT FORMING PART OF SCHEDULE 11 (2) OF BALANCE SHEET AS AT 31st MARCH 2010**

<b>STATEMENT -3-SUNDRY DEBTORS (OUTSTANDING.)</b>		<b>(AMOUNT-in ₹)</b>	
		<b>Current Year</b>	<b>Previous year</b>
a)	Trg. Fees for MBA (Power)	0.00	0.00
b)	Trg. Fees for P.G.D.C. Course	0.00	160,000.00
c)	Trg. Fees for B.Tech. Course	0.00	66,900.00
d)	Trg.Fee for Graduate Engineers	3,029,120.00	22,863,655.00
e)	Trg.Fee for Diploma Holders	0.00	0.00
f)	Trg.Fee for short terms course	16,162,202.00	7,970,798.00
g)	Trg.Fee for ad-hoc special course	4,333,760.00	2,050,000.00
h)	Rent - Recovery of Building Rent	19,158.00	27,675.00
i)	Recovery of Electricity and Water charges	8,631.00	10,169.00
j)	Income from Publication - (Training Manuals)	0.00	0.00
k)	Disposal of Assets	0.00	0.00
l)	Sale of Tender forms	0.00	0.00
m)	Miscellaneous	12,710.00	1,250.00
n)	Sale of C.B.T	433,000.00	0.00
o)	Simulator fee	0.00	0.00
p)	Trg. Fee O & M Hydro	0.00	0.00
q)			
<b>TOTAL</b>		<b>23,998,581.00</b>	<b>33,150,447.00</b>



# **FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)** **NATIONAL POWER TRAINING INSTITUTE** **SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE PERIOD ENDED 31.03.2010**

## **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**

Stores and Spares are valued at cost.

### **3 INVESTMENTS**

Investments classified as “Long term investments” are at cost with State Bank of India as per approval of Standing Committee of Governing Council of NPTI vide letter No 27/4/2006-T&R dated 26.09.2006.

### **4. FIXED ASSETS**

Fixed Assets are stated at cost of acquisition inclusive of inward freight, duties & taxes and incidental and direct expenses related to acquisition.

### **5. DEPRECIATION**

**5.1** Depreciation is provided on straight-line method as per rates specified in the letter No.NPTI/HQ/Acctts/16/2000/8482-89 dated 10.11.2000 and letter No.NPTI/HQ/Acctts/16/2000/45-52 dated 10.4.2001 and the assets have been shown after reducing the depreciation amount in the Balance sheet. Depreciation fund has been created in NPTI during the year 2009-10 out of surplus arises.

**5.2** In respect of addition to/deductions from fixed assets during the year, depreciation is considered on pro-rata basis./ half yearly basis.

**5.3** Assets have been shown as per Schedule 8 of the Guidelines issued by Ministry of Power vide letter No 99/CA-Power/Pr.AJ/Misc./CAG/1121 dated 06.02.2002.



## FINANCIAL STATEMENTS (NON-PROFIT ORGANIZATIONS)

### NATIONAL POWER TRAINING INSTITUTE

#### SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE PERIOD ENDED 31.03.2010 SCHEDULE 24 – SIGNIFICANT ACCOUNTING POLICIES – contd.

##### 6. GOVERNMENT GRANTS

- i) Government grants of the nature of the contribution towards capital cost of setting up of Projects/ New Schemes/New Institutes are treated as Capital Fund. Grant for recurring expenditures are treated as Grant under Income head.
- ii) Non-Plan grant released to NPTI, has been utilized for augmenting of Pension Fund and shown under head Earmarked/ Endowment Funds.

##### 7. EARMARKED FUND

- i) General Provident Fund/C. P. Fund is being maintained by NPTI with the approval of Ministry of Power in the respective Institutes. Funds are being kept in fixed deposit as per requirement. Difference of Interest/ shortage of Interest earned from FDR's have been met out from Non-Plan Recurring Expenditure.
- ii) Pension account (old pension scheme/new pension scheme) has been maintained at Corporate Office. Director General of NPTI is the Fund Manager. All the funds have been invested with State Bank of India as per approval of Standing Committee of Governing Council, NPTI.

##### 8. RETIREMENT BENEFITS

- i. Liability towards gratuity/ leave encashment payable on death/retirement of employees is on actual basis as and when paid. Pension Account for Pension payment has been shown as per Bank Statement/Scroll/ pass book.
- ii MOP is releasing the Non-Plan Grant for Pension Fund/Leave Encashment. Hence there is no need to make the Provision for leave Encashment. Provisions for New Pensioners have been made in Corporate Office.

9. Special Reserve is being maintained for amount donated by the Respective Retired Director General,/ Principal for MBA students and Alumni Fund for MBA & GIS students.

##### 10. TAXATION

Income Tax authority vide letter No.ACIT/R-1/Fbd/03-04/5001 dated 27.10.2003 have intimated that NPTI being an Educational Institution is covered under the provisions laid down under Section 10(23c) (iii a b) of Income Tax Act 1961.

## FINANCIAL STATEMENTS (NON-PROFIT ORGANIZATIONS) NATIONAL POWER TRAINING INSTITUTE

### SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE PERIOD ENDED 31.03.2010

#### SCHEDULE 25 – CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS.

##### 1. Setting up of NPTI (NE-R) Guwahati

The Scheme for Setting up of Regional Training Centre for NPTI (NER) at Guwahati was sanctioned vide MOP letter No.24/2/2000-T&R (Vol.II) dated 31<sup>st</sup> March, 2004 at a cost of Rs.1829.00 lakhs. The work of Turnkey construction of NPTI (NER) on behalf of NPTI has been awarded on cost plus basis to Power Grid Corporation of India Ltd., New Delhi. The requisite agreement was signed between Power Grid Corporation of India and National Power Training Institute on 1<sup>st</sup> March, 2005. Further, Ministry of Power vide letter No 9/1/2009-T&R dated 04.03.2010 has conveyed the sanction of the Revised Cost Estimates for NPTI's scheme for setting up of National Power Training Institute ( North-Eastern Region)) Guwahati, Assam at an estimated cost of Rs 2187.87 lakhs. This Scheme has been closed physically & financially on 31.03.2010. Full fund has been utilized by the Institutes. An amount of Rs 1466.00 lakhs paid to Power grid for the Institutes works up to 31.03.2010, has been utilized for setting up of Training Institute, at Guwahati. An institute has been handed over to NPTI and Training activities have been started in new building. An amount of Rs 1466.00 lakhs paid to Power Grid Corporation of India Ltd, will be adjusted during the year 2010-2011.

##### 2. Setting up of NPTI (HPTI) Nangal

Ministry of Power vide letter No 9/3/2007-T&R dated 27.03.2008 has sanctioned the Scheme for Setting up of Hydro Power Training Institute at Faridabad vide letter No 24/1/2001-T&R dated 28<sup>th</sup> March, 2002 at a cost of Rs 1475.00 lakhs in X<sup>th</sup> Plan. Further Ministry of Power vide order No 24/1/2001(Vol.II) dated 07.02.2006 has accorded approval for setting up of Hydro Power training Institute At Nangal, Punjab at a cost of Rs 1475.00 lakhs. Rs 34.15. Lakhs was utilized at Faridabad and Rs 1440.85 lakhs will be utilized at Nangal under this Scheme.

3. The work of Turnkey construction of NPTI (HPTI) has been awarded on the cost plus basis to BBMB at Nangal. The requisite agreement was signed between BBMB and NPTI. As per agreement NPTI has released Rs 10.69 crores till date. Institute Building has been taken over from BBMB and started Functioning from New Complex. Revised cost has been submitted at cost of Rs 1625.00 lakhs to MOP for approval and the Scheme will be completed during the year 2010-2011. Adjustment bills have not been received from BBMB. Hence, the Capital expenditure will be booked on receipt of the bills.



## FINANCIAL STATEMENTS (NON-PROFIT ORGANIZATIONS) NATIONAL POWER TRAINING INSTITUTE

### SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE PERIOD ENDED 31.03.2010

#### SCHEDULE 25 – CONTINGENT LIABILITIES AND NOTES ON ACCOUNT --- contd.

#### 4. New Scheme

Ministry of Power vide letter No 9/1/2007-T&R dated 28.03.2008 and 9/3/2007-T&R dated 27.03.2008 has sanctioned the New Scheme i.e Modernization & Up gradation of Training facilities at PSTI and HLTG with the cost of Rs 1476.00 lakhs and Up gradation & Modernization of Training facilities of Regional Power Training Institutes of NPTI with the cost of Rs 2445.00 lakhs. Ministry of Power vide letter No 9/5/2007-T&R dated 20.01.2009 has sanctioned the Scheme for Modernization & Up Gradation of training facilities of Corporate Office Faridabad at a cost of Rs 2493.00 lakhs .

Ministry of Power has released Plan Grant for the schemes of NPTI i.e. NPTI (NE-R) Guwahati Rs 2187.87 lakhs, NPTI(HPTC) Nangal Rs 1365.00 lakhs, RPTI'S, Rs 1721.33 lakhs , HLTG/PSTI Rs 1049.00 lakhs , NPTI Co Rs 365.00 lakhs up to 31.03.2010 which was utilized in full.

#### 5. Investment

As per approval of Standing Committee of Governing Council of NPTI vide letter No 27/4/2006-T&R dated 26.09.2006 the amount have been invested with state Bank of India.

#### 6. Audit Objections

All the audit observations/guidelines issued by Audit authorities have been corrected while preparing the financial statement during the year 2009-10.

#### 7. Depreciation

i) The Depreciation on the Assets of NPTI has been charged w.e.f 1 April 2000 on the Book value of the Assets as per the instructions issued by Ministry of Power in pursuance of the specific instructions from A.G. (Audit), Haryana, the sole Auditor of NPTI, on Straight Line Method. Rates of Depreciation as prescribed are –Building @3.02% Plan & Machinery @8.24%, others 12.77 % except Library Books. The depreciation has been provided after 5% scrap value of assets.

## FINANCIAL STATEMENTS (NON-PROFIT ORGANIZATIONS) NATIONAL POWER TRAINING INSTITUTE

### SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE PERIOD ENDED 31.03.2010

#### SCHEDULE 25 – CONTINGENT LIABILITIES AND NOTES ON ACCOUNT --- contd.

ii). The value of assets as on 01.04.2002 available under HLTC/ PSTI (CEA), Bangalore, has not been transferred so far to NPTI. Hence value of Assets cannot be depicted in the balance sheet. The Assets of HLTC/PSTI will be depicted in the accounts of NPTI after issue of necessary order from MOP New Delhi.

#### 8. Loans & Advances

Loan & Advances have been reconciled in view of the Audit Observations and corrected accordingly.

#### 9. STOCKS

The Physical Verification for all the Assets have since been carried out on the basis of their Book Value on as is where is basis and Assets Registers (GFR-19) have been prepared/reconciled.

- 10 Rs 5.59 lakhs against HLTC, Bangalore, shown under the heading "Others" below schedule-11, could not be settled during the current financial year. The matter has been referred to MOP and the final report is awaited.
11. Mop has released Non-Plan Grant of Rs 1.90 crores during this year which has been utilized for Pension Fund.
12. During this year Rs 3579.24 lakhs has been earned and Rs 2976.28 lakhs been incurred as expenditure of Non-Plan. Excess amount of Rs 602.96 lakhs has been utilized to deposit in Rs 339.45 lakhs for Depreciation, Rs 92.00 lakhs for Retired Employees medical Scheme & Rs 53.00 for House Building Advance/ Motor Car advance. Balance amount of Rs 118.51 lakhs has been kept for corpus Fund for urgent expenditure for the year 2010-11.
13. As per Income & Expenditure, NPTI Income is Rs 3503.35 lakhs and Expenditure Rs 3594.77 lakhs which include depreciation as norms. It is a loss of Rs 91.42 lakhs.





## FINANCIAL STATEMENTS (NON-PROFIT ORGANIZATIONS) NATIONAL POWER TRAINING INSTITUTE

### SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE PERIOD ENDED 31.03.2010

#### SCHEDULE 25 – CONTINGENT LIABILITIES AND NOTES ON ACCOUNT --- contd.

14. As per Receipt and Payment account excess amount of Rs 602.96 lakhs has been utilized for creating the provision of Fund like Depreciation Fund, HBA/ MCA/ Leave salary & Pension contribution Fund and Medical retired employees Fund. New assets during the year 2010-2011 will be procured from depreciation Fund only. Expenditure on account of Retired Employees Medical payment has been released from Medical Fund during the year 2009-10.
15. Book adjustment of Institutes to institutes has been shown in Schedule-1. Liabilities/ Recovery. But over all there is no effect in the Balance sheet of NPTI.
16. M/s. SRVM & Associates, Chartered Accountants New Delhi is Internal Auditor of NPTI and its Institutes. Internal audit is being conducted by the Chartered Accountant firm. The firm is on the panel of C&AG Audit.
17. Internal control system has been strengthened to safeguard against any possible losses due to misappropriation, embezzlement, frauds etc. and guidelines has been issued to the Institutes to make necessary action accordingly..
18. **REMUNERATION TO AUDITORS**  
The audit of the NPTI has been entrusted under Section 20(1) of the Comptroller and Auditor General of India (Duties, Powers and Conditions of Service) Act, 1971 for a period of five years from 2008-09 to 2012-13. The Sole auditor of NPTI is Accountant General (Audit) Haryana & UT Chandigarh and audit fees have been paid to AG (Audit), Haryana by NPTI Corporate Office Faridabad. The expenditure on accounts of Audit Fee in respect of Institutes has been shown in their books of Accounts.
19. Corresponding figures for the previous year has been regrouped/rearranged, as per guidelines issued by Ministry of Power vide letter No. 99/CA-Power/Pr.AI/Misc./CAG/1121 dated 06.02.2002.
20. Schedules 1 to 25 are annexed to and form an integral part of the Balance Sheet as at National Power Training Institute and the Income and Expenditure Account for the year ended on that date 31.3.2010.

**FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)  
NATIONAL POWER TRAINING INSTITUTE  
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31st MARCH, 2010**

RECEIPTS	Current year	Previous year	PAYMENTS	Current Year	Previous year
<b>I. Opening Balances</b>			<b>I. Expenses</b>		
a) Cash in hand	3,460.00	4,000.00	a) Establishments Exp. (Annexure- E)	194,616,470.00	150,674,261.00
b) Bank Balances	40,361,234.15	10,934,528.87	b) Administrative Exp. (Annexure- F)	108,158,252.80	121,669,949.69
In current accounts			<b>II Payments made against funds for various projects</b>		
In deposit accounts			<b>III Investments and deposits made</b>		
(Annexure- A)	365,262,671.00	287,473,557.00	a) Out of Earmarked/Endow. Funds	0.00	20,000,000.00
Saving accounts	21,957,522.98	12,156,798.98	b) Out of Own Funds.	0.00	0.00
(Annexure - B)			<b>IV Expenditure on Fixed Assets &amp; Capital Work-in-Progresses</b>		
<b>II. Grants Received</b>			a) Purchase of Fixed Assets (Annexure - G)	79,915,823.93	90,950,706.00
From Government of India			b) Exp. On Capital Work-in Progs.		
1. Plan	200,000,000.00	200,000,000.00	<b>V Refund of Surplus money/Loans</b>		
2. Non-Plan	0.00	0.00	a) To the Govt. of India	0.00	0.00
From State Government			b) To the State Government	0.00	0.00
From Other Sources			c) To other providers of Funds.	0.00	0.00
<b>III) Income on Investments from</b>			<b>VI Finance Charges (Interest)</b>		
a) Earmarked/Endow. Funds	0.00	0.00	<b>VII Other Payments (Specify)</b>		
b) Own Funds			( Annexure - H I)	121,256,993.05	119,998,694.00
<b>IV Interest Received</b>			( Annexure - H II)	114,242,442.96	54,977,012.00
a) On Bank deposits	1,838,990.00	2,501,713.00	<b>Closing Balance</b>		
b) Loans, Advances etc.	383,001.00	531,423.00	a) Cash in hand	3,000.00	3,460.00
<b>V Other Income (Specify)</b>			b) Bank Balances		
Income from Sales/Services			In current accounts	74,297,631.00	40,361,234.15
( Annexure- C)	319,470,125.00	277,876,471.97	In deposit accounts- Annexure-I	443,471,956.00	365,262,671.00
<b>VI) Amount Borrowed</b>			Savings accounts -Annexure-J	31,478,875.98	21,957,522.98
Annexure- D I	42,944,745.59	41,829,393.00	<b>TOTAL</b>	<b>1,167,441,445.72</b>	<b>985,855,510.82</b>
Annexure- D II	175,219,696.00	152,547,625.00			
<b>TOTAL</b>	<b>1,167,441,445.72</b>	<b>985,855,510.82</b>			

sd/  
DIRECTOR GENERAL



## ANNEXURE FORMING PART OF RECEIPTS AND PAYMENTS AS AT 31st MARCH 2010

(AMOUNT-in ₹)			
ANNEXURE A - BANK BALANCES- in Deposit accounts		Current Year	Previous year
1) G.P. Fund Account		67,859,246.00	63,985,210.00
2) C.P. Fund Account		11,393,740.00	12,244,042.00
3) Pension Fund Account		258,043,477.00	185,898,399.00
4) Short Term Deposit Account		24,296,852.00	25,345,906.00
5) New pension Fund		3,669,356.00	0.00
<b>TOTAL</b>		<b>365,262,671.00</b>	<b>287,473,557.00</b>
ANNEXURE B - BANK BALANCES- i Saving accounts		Current Year	Previous year
1) G.P. Fund Account		8,873,363.42	5,587,424.92
2) C.P. Fund Account		2,593,556.00	1,429,932.50
3) Pension Fund Account		10,490,603.56	5,139,441.56
<b>TOTAL</b>		<b>21,957,522.98</b>	<b>12,156,798.98</b>
ANNEXURE C- INCOME FROM SALES/SERVICES		Current Year	Previous year
1) Income from Sales			
a) Sale of Publications		875,307.00	419,503.00
b) Sale of CBT Package		2,982,500.00	1,086,472.00
2) Income from Services			0.00
a) Trg. Fees for MBA (Power)		18,550,000.00	12,450,000.00
b) Trg. Fees for P.G.D.C. Course		47,903,130.00	21,840,750.00
c) Trg. Fees for B.Tech. Course		31,421,258.00	29,808,143.00
d) Trg.Fee for Graduate Engineers		91,178,991.00	81,078,386.00
e) Trg.Fee for Diploma Holders		28,970,317.00	16,325,050.00
f) Trg.Fee for short term courses		57,206,522.00	63,249,612.99
g) Trg.Fee for ad-hoc special course		20,592,451.00	30,852,806.98
h) Other services rendered		3,168,601.00	3,160,119.00
I) Trg. Fee O & M Hydro		0.00	3,127,000.00
J) Simulator fee		11,437,610.00	6,939,412.00
K) Sem/Workshop		2,390,760.00	1,519,310.00
L) Consultancy Charge		2,792,678.00	6,019,907.00
M) CCGT(Power Simulator)		0.00	0.00
<b>TOTAL</b>		<b>319,470,125.00</b>	<b>277,876,471.97</b>

## ANNEXURE FORMING PART OF RECEIPTS AND PAYMENTS AS AT 31st MARCH 2010

(AMOUNT-in ₹)			
ANNEXURE D(i) - ANY OTHER RECEIPTS		Current Year	Previous year
1	Rent - Recovery of Building Rent	25,373,086.00	21,076,954.00
2	Recovery of Electricity and Water charges	1,209,142.00	954,566.00
3	Disposal of Assets	119,000.00	119,000.00
4	Sale of Tenders forms	106,600.00	109,900.00
5	Miscellaneous	8,357,184.00	6,892,175.00
6	Recovery of House Building Advances	20,640.00	37,628.00
7	Recovery of Motor Car Advances	14,352.00	21,630.00
8	Recovery of Computer Advances	0.00	0.00
9	Recovery of Short-term Advances	420,220.95	309,342.00
10	Tour Advance Recovery	599,957.00	3,784,985.00
11	Temp. Advance recovery	6,724,563.64	8,523,213.00
<b>TOTAL</b>		<b>42,944,745.59</b>	<b>41,829,393.00</b>
ANNEXURE D(ii) - ANY OTHER RECEIPTS		Current Year	Previous year
1)	Earnest money Deposit	1,119,435.00	1,860,900.00
2)	Security Deposit ( B.Tech/ Contractors/Suppliers)	3,528,997.00	6,675,434.00
3)	GP Fund	48,285,710.00	28,173,902.00
4)	CP Fund	5,120,712.00	3,116,078.00
5)	Pension Fund	79,056,643.00	93,975,859.00
6)	New Pension	2,500,228.00	3,669,356.00
7)	Misce.	11,892,267.00	10,722,158.00
8)	Advance Training Fee	0.00	1,880,000.00
9)	Special Reserve- Alimu Fee	35,500.00	0.00
10)	Benevolent Fund	0.00	0.00
11)	Advance Hostel Rent	0.00	291,467.00
12)	Leave salary	3,050,987.00	2,182,471.00
13)	Income Tax/ Licence Fee	510,381.00	0.00
14)	Amount or equivalent transferred to NPTI Hqs or other Institutes	20,118,836.00	0.00
<b>TOTAL</b>		<b>175,219,696.00</b>	<b>152,547,625.00</b>



## ANNEXURE FORMING PART OF RECEIPTS AND PAYMENTS AS AT 31st MARCH 2010

(AMOUNT-in ₹)				
ANNEXURE E - ESTABLISHMENT EXPENSES	Plan	Non-Plan	Current Year	Previous year
1 Salaries and Wages	5,971,183.00	180,575,278.00	186,546,461.00	143,909,814.00
2 Allowances & Bonus	34,299.00	3,141,793.00	3,176,092.00	2,783,455.00
3 Contribution to Provident Fund	49,277.00	888,079.00	937,356.00	1,243,002.00
4 Contribution to Other Fund (Specify)	0.00	0.00	0.00	0.00
5 Staff Welfare Expenses	0.00	0.00	0.00	0.00
6 Expenses on Employees Retirement & Terminal Benefits	2,118,446.00	1,838,115.00	3,956,561.00	2,737,990.00
<b>TOTAL</b>	<b>8,173,205.00</b>	<b>186,443,265.00</b>	<b>194,616,470.00</b>	<b>150,674,261.00</b>

ANNEXURE F - ADMINISTRATIVE EXPENSES	Plan	Non-Plan	Current Year	Previous year
1 Purchase-				
I) Trg. Aids & Equipment ( Non-Capital )	0.00	3,048,823.00	3,048,823.00	3,448,427.00
II) Publication of Training Manuals	0.00	1,311,075.00	1,311,075.00	394,678.00
2 Cartage and Carriage Inwards				0.00
3 Electricity charges	450,119.00	13,097,705.00	13,547,824.00	12,151,035.00
4 Water charges		2,010,385.00	2,010,385.00	1,334,089.00
5 Insurance- Vechiles	43,382.00	262,585.00	305,967.00	354,707.00
6 Repair and Maintenance				0.00
Building, Roads & Garden	66,840.00	12,609,667.00	12,676,507.00	11,751,277.00
Equipments	0.00	8,856,969.00	8,856,969.00	11,402,301.00
Furniture	0.00	155,265.00	155,265.00	108,557.00
7 Exoise Duty				0.00
8 Rent, Rates & Taxes - Property Tax	0.00	1,204,583.00	1,204,583.00	4,734,155.00
9 Vehicles Running and Maintenance	167,198.00	2,556,745.00	2,723,943.00	3,219,432.60
10 Postage, Telephone and Communication charges	213,375.00	3,215,543.00	3,428,918.00	2,478,529.00
11 Printing & Stationery	618,964.00	4,107,291.00	4,726,255.00	4,245,152.00
12 Travelling Expenses	318,647.00	8,046,223.00	8,364,870.00	6,516,163.00
13 Expenses on Seminar/workshop	0.00	1,881,066.00	1,881,066.00	1,566,664.00
14 Subscription Expenses - Journals	0.00	138,521.00	138,521.00	122,146.00
15 Expenses on Fees	0.00	2,301,476.00	2,301,476.00	1,449,119.00
16 Audit Fees	54,832.00	576,575.00	631,407.00	797,665.00
17 Hospitality and Entertainment Expenses	97,410.00	13,600,268.00	13,697,678.00	4,396,957.00
18 Professional Charges - Payment to Experts	212,914.00	10,307,071.15	10,519,985.15	8,882,879.00
19 Provision for Bad and Doubtful Debts/Advances	0.00	0.00	0.00	0.00
20 Irrecoverable Balances Written- off	0.00	0.00	0.00	0.00
21 Packing Charges	0.00	0.00	0.00	0.00
22 Freight and Forwarding Expenses	0.00	0.00	0.00	0.00
23 Distribution Expenses	0.00	0.00	0.00	0.00
24 Advertisement and Publicity -	78,585.00	2,235,484.00	2,314,069.00	1,130,428.00
25 Interest on P.F	190,189.00	3,048,643.00	3,238,832.00	3,258,427.00
26 Others.(security services,General Cleaning,News Paper)	792,024.00	10,281,810.65	11,073,834.65	37,927,162.09
<b>TOTAL</b>	<b>3,304,479.00</b>	<b>104,853,773.80</b>	<b>108,158,252.80</b>	<b>121,669,949.69</b>



# ANNEXURE FORMING PART OF RECEIPTS AND PAYMENTS AS AT 31st MARCH 2010

(AMOUNT-in ₹)				
ANNEXURE G - EXPENDITURE ON FIXED ASSETS	Plan	Non-Plan	Current Year	Previous year
1 Land-Free hold	1,124,000.00	0.00	1,124,000.00	0.00
2 Land-Leasedhold	0.00	0.00	0.00	0.00
3 Building-On freehold Land	22,110,072.00	0.01	22,110,072.01	7,914,800.00
4 Building-On Leasehold Land	891,408.00	2,600,513.00	3,491,921.00	5,124,818.00
5 Plant machinery & Equipment	23,855,684.00	6,147.50	23,861,831.50	49,058,149.00
6 Vehicles	638,870.00	0.60	638,870.60	3,081,876.00
7 Furniture,Fixtures.	16,595,007.00	694,123.66	17,289,130.66	12,348,416.00
8 Office Equipment	541,557.00	20,419.00	561,976.00	891,856.00
9 Computer/Peripherals	7,247,418.00	380,662.00	7,628,080.00	9,952,717.00
10 Electric Installations	0.00	0.00	0.00	0.00
11 Library Books	159,126.00	513,990.16	673,116.16	253,793.00
12 Tubewells & W.Supply	0.00	0.00	0.00	0.00
13 Other Fixed Assets/Simulators	2,473,765.00	63,061.00	2,536,826.00	2,324,281.00
<b>TOTAL</b>	<b>75,636,907.00</b>	<b>4,278,916.93</b>	<b>79,915,823.93</b>	<b>90,950,706.00</b>

(AMOUNT-in ₹)				
ANNEXURE H(i) - OTHER PAYMENT (SPECIFY):	Plan	Non-Plan	Current Year	Previous year
a) House Building Advances	0.00	0.00	0.00	0.00
b) Motor Car Advance	0.00	0.00	0.00	0.00
c) Computer Advance	0.00	0.00	0.00	0.00
d) Short-terms Advance	0.00	457,200.00	457,200.00	423,150.00
e) Advance to Staff on tour & transfer	0.00	1,336,823.05	1,336,823.05	4,015,427.00
f) Advance for society on execution of works	27,100,000.00	92,362,970.00	119,462,970.00	115,560,117.00
<b>TOTAL</b>	<b>27,100,000.00</b>	<b>94,156,993.05</b>	<b>121,256,993.05</b>	<b>119,998,694.00</b>



## ANNEXURE FORMING PART OF RECEIPTS AND PAYMENTS AS AT 31st MARCH 2010

ANNEXURE H(ii) - OTHER PAYMENT (SPECIFY):		(AMOUNT-in ₹)	
	Current Year	Previous year	
a) Advance for Petrol & Lubricants	0.00	0.00	
b) Earnest money Deposit	1,485,575.00	560,500.00	
c) Security Deposit	4,464,010.96	2,534,749.00	
d) GP Fund	28,240,406.00	21,013,932.00	
e) CP Fund	6,506,688.00	2,802,752.00	
f) Pension Fund	38,214,747.00	16,479,619.00	
g) Advance fee	1,080,000.00	1,135,430.00	
h) Retired Employee medical expenses	423,076.00	0.00	
i) Amount or equivalent transferred to NPTI HQ or other Institutes	20,118,836.00	2,344,802.00	
j) Miscellaneous	12,291,873.00	7,963,270.00	
k) Previous Year Exp T.A	112,328.00	121,958.00	
l) Previous Year Exp. Temp.	700,597.00	20,000.00	
L) Accrued Interest	77,326.00	0.00	
M) Income Tax	526,980.00	0.00	
TOTAL	114,242,442.96	54,977,012.00	
ANNEXURE-I - BANK BALANCES- viii in Deposit accounts- FDR,s			
	Current Year	Previous year	
1) G.P. Fund Account	87,869,635.00	67,859,246.00	
2) C.P. Fund Account	11,759,244.00	11,393,740.00	
3) Pension Fund Account	287,647,455.00	258,043,477.00	
4) Short Term Deposit Account	50,103,364.00	24,296,852.00	
5) New Pension Fund	6,092,258.00	3,669,356.00	
TOTAL	443,471,956.00	365,262,671.00	
ANNEXURE J - BANK BALANCES- viii Saving accounts			
	Current Year	Previous year	
1) G.P. Fund Account	8,908,278.42	8,873,363.42	
2) C.P. Fund Account	842,076.00	2,593,556.00	
3) Pension Fund Account	21,728,521.56	10,490,603.56	
TOTAL	31,478,875.98	21,957,522.98	