

THERMAL TRAINING INSTITUTE NCTPS / Chennai - 120



Thermal Training Institute was established within the ETPS Campus on 03.01.1978 and shifted to a spacious new building inside the Vallur Camp premises of North Chennai Thermal Power Station during September 2002.

This institute is recognised as **Category I institute** by **Central Electricity Authority, Ministry of Power, Government of India, New Delhi.**

In the fast changing scenario of power generation, Utilities have to continuously learn and adopt new technologies to achieve excellence. Recognizing this need, Thermal Training Institute imparts training programmes on a wide gamut of topics covering construction, operation & maintenance of Thermal power stations and Gas Turbine Power stations etc.,

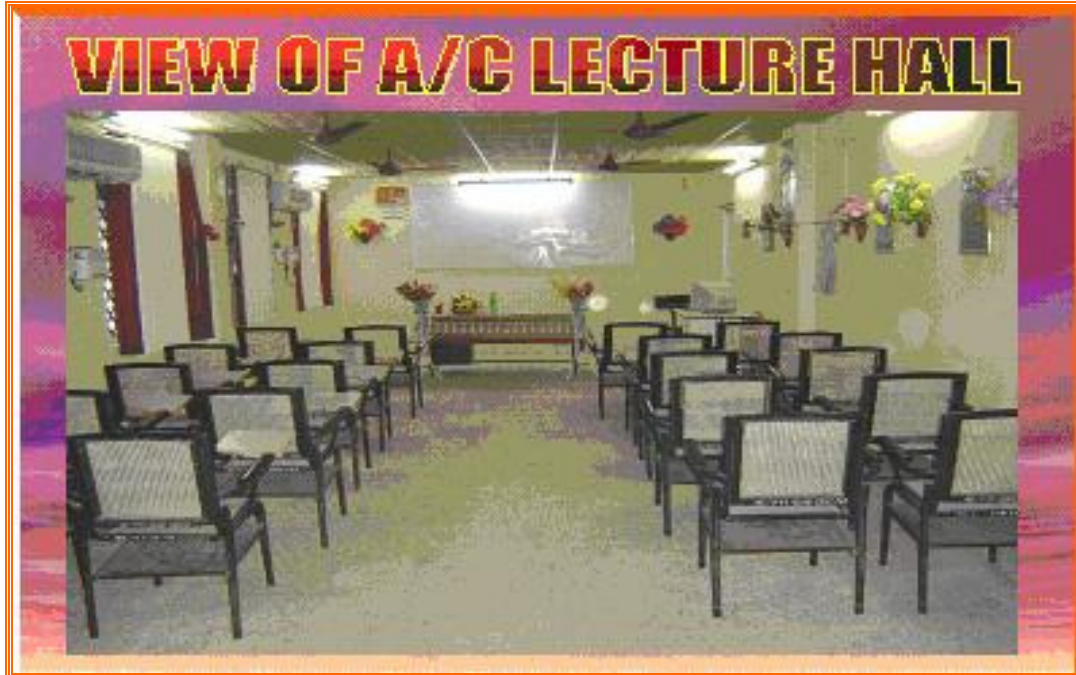
LEVEL OF EMPLOYEES TO WHOM TRAINING IS IMPARTED

- Engineers, Officers & staff (Technical, Administration and Accounts) working in four thermal power stations & four gas turbine power stations of TANGEDCO.

INFRASTRUCTURE DETAILS

This Institute has extensive infrastructure facilities such as spacious Building with Air Conditioned Class Rooms and Demonstration Labs, State of the art Audio Visual aids, Communication Instruments viz. Fax, Internet Facilities etc., This institute

has e-integration with all Thermal Power Stations and Gas Turbine Power Stations of TANGEDCO.



LIBRARY FACILITIES

- A Library having good collection of around 800 technical books forms part of this institute.

PERSONNEL TRAINED SO FAR

- About 28,900 personnel in various capacities have been trained up to October 2011 at this Institute.

TRAINING PROGRAMMES

1. Induction Training Programme for Newly Recruited Assistant Engineer/ Electrical, Mechanical & Civil on Thermal Power Station & Gas Turbine Power Station subjects.
2. Simulator Training Programme for Engineers arranged with external agencies like Maha Genco, etc.
3. Short Term Courses for Engineers, TA/RWE Staff, Administration /Accounts/ Stores Staff of Thermal Power Stations and Gas Turbine Power Stations
4. Case Studies of Problems Encountered, Remedial Measures in Gas Turbine Power Stations
5. Condition Monitoring & Preventive – Predictive Maintenance in Thermal Power & Gas Turbine Power Stations
6. Fire Prevention, Safety & First Aid

7. Case Studies on Operational Emergencies faced in Thermal Power & Gas Turbine Power Stations
8. Do's & Don'ts in O & M of Thermal Power & Gas Turbine Power Stations
9. Disaster Management in Thermal Power & Gas Turbine Power Stations
10. Vibration Analysis in Power Plant Equipments
11. Water Chemistry
12. Contact Programmes with OEMs and Manufacturers
13. National Level Workshop inviting participants from other electrical utilities.
14. Seminar on Technical & Management Topics relevant to Thermal Power Generation at Thermal Power Stations

These programmes are designed to impart state of the art technology and practices and aims at augmentation of technical skills and competencies. The programmes also serve as important platforms for sharing experiences.

NEED BASED TRAINING PROGRAMMES/ SPECIAL ACTIVITIES

- First Aid Training Programme to Safety Committee Members and other employees in NCTPS
- Workshop on “ Means to overcome Operational difficulties in Evacuation of Wind Energy” at Tirunelveli for the Personnel of Wind Energy Development Circle, Operation Circle & LD Centre.
- Program on “Migration to ISO 9001:2008” from ISO 9001:2000 for Internal Auditors in MTPS
- Program on “Vibration Analysis” for the Engineers of ETPS
- Program on “Project Management” for the Engineers of NCTP Project Stage II and MTPP Stage III.
- Program on “Contract Management ” for personnel dealing with Contracts in Headquarters Office and field for Thermal Power Station Projects

FACULTY DETAILS

This Institute has 7 Core Faculties having wide experience.

Apart from inviting TANGEDCO Engineers / Officers of Thermal & Gas Turbine Power Station, based on the programme needs, Eminent Resource Persons are also drawn from OEM's like BHEL, AREVA, L&T, BEML, CIL etc., Academicians from leading Universities & Institutes like IIT's, NIT's & Utilities viz., NTPC, NLC, etc., for delivering lectures and handling sessions for training course conducted.

ACHIEVEMENTS

FIRST AID

Thermal Training Institute/Vallur camp/ TNEB has been awarded certificate of merit and shield in appreciation of training maximum number of employees of Tamil Nadu Electricity Board in First Aid for the year 2002-2003, 2004 and 2006-07 by St. John Ambulance, Tamil Nadu State. The shield and certificate were presented to

Thermal Training Institute in the St. John Ambulance, State convention by the Honorable Governor of Tamil Nadu.

EXHIBITION

An Exhibition Cum Workshop on “Equipments, Components & Tools for Thermal Power Generation” in association with Federation of Indian Chamber of Commerce & Industry (FICCI) was conducted from 25.11.09 to 26.11.09 at NCTPS Vallur camp residential quarters. This exhibition was held to impart Technical Know how on the latest Products, Components & Tools available in the market on Thermal Power Generation for the Thermal Power station Engineers of North Chennai & Ennore





ENERGY CONSERVATION ACTIVITIES

- Seminar on Energy Conservation & Electrical Safety for Public, School & College Students is being conducted regularly for creating awareness to bring about conservation of Energy & reduction in GHG Emissions & Electrical Safety and about 20,000 persons have benefited so far. Conservation of Energy will lead to ecology improvement.

REVENUE GENERATION TRAINING PROGRAMME

- National Level Franchisee Training Programme on Electricity Distribution Franchising Business funded by Rural Electrification Corporation/MOP for the final year EEE Students of various Engineering Colleges have been conducted fetching revenue of about 30 Lakhs.

NATIONAL LEVEL TRAINING PROGRAMME

- National level workshop on condition monitoring, preventive maintenance & vibration analysis was conducted by thermal training institute inviting participants from other electrical utilities including from NTPC, NLC, DVC etc.,
- National level workshop on “disaster management in thermal power station” was conducted by thermal training institute inviting participants from other electrical utilities including APGENCOKPCL, KSEB, ESSAR power, HYUNDAI, NTPC, NLC etc.,



Workshop in progress on “ Disaster Management ”

- National level workshop on “Best Practices in Coal Handling Systems in Thermal Power Stations” conducted by Thermal Training Institute inviting participants & Faculties from other electrical utilities including from RRVUNL, NTPC, ST-CMS, TCP, NLC, BEML etc

FUTURE PLANS :

This Institute is planning to install Simulator for Training Operating Personnel of Thermal Power Stations.

CONTACT DETAILS:

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