

TECHNICAL TRAINING AND DEVELOPMENT CENTRE
PASUMALAI, MADURAI, TAMILNADU.
(Powering Tamilnadu's Progress)



FRONT VIEW OF THE TECHNICAL TRAINING AND DEVELOPMENT CENTRE / PASUMALAI

DATE ON WHEN ESTABLISHED

Technical Training and Development Centre / Pasumalai was formed on 01.01.1962.

LOCATION

Technical Training and Development Centre / Pasumalai is situated at the 110 KV Pasumalai Substation campus at Pykara near Pasumalai in Madurai , the Temple city of the state . The communication address is given below.

Technical Training and Development Centre,
110 KV Pasumalai Substation campus,
Pykara , Pasumalai ,
Madurai – 625004.

Sl.No.	Description	Designation	Phone Nos.
1.	Telephone	Office	0452-2372235
2.	Mobile	Senior Manager	9445853351
3.	Mobile	Asst. Engineer	9445853316
4.	Mobile	Junior I Grade	9445853321

E- mail id : aeetcpmi@tnebnet.org

LEVEL OF EMPLOYEES TO WHOM TRAINING IS IMPARTED

Training has been imparted to the following staff.

- Special grade foreman
- Line Inspector
- Wireman
- Field Assistant
- Mazdoor
- Commercial Inspector
- Commercial Assistant
- Accounts staff
- Administrative staff
- Stores staff
- Revenue Supervisor
- Inspector of Assessment
- Assessor
- Meter reader

INFRASTRUCTURE DETAILS

The lecture hall has the capacity for accomdating 34 participants. The following facilities are also available here.

- Model room
- Computers – 2 Nos.
- Broad Band Internet Connectivity
- Dotmatrix Printer & Laser Jet Printer
- Scanner & CD writer
- LCD Projector



PARTICIPATION OF THE TRAINEES IN A TRAINING PROGRAMME

LIBRARY FACILITIES

The following types of books are available at Library .

Technical books : 30

Magazines :05

Training Course materials :90

MODELS AVAILABLE

- Model Distribution Transformer Structure has been erected at the TT & DC Pasumalai premises to demonstrate the Standard Clearance and Materials to be used in a Transformer Structure.
- Models of Line Materials
- A condemned Distribution Transformer is also available to demonstrate the parts/construction features of the Distribution Transformer.
- Model to show the effect of Voltages and Currents in Series and Parallel Circuit
- Model to show the effect of Power Factor Improvement using Tube Lights.
- Condemned Metering Set to demonstrate the constructional features.
- Different makes of Static Meters for demonstration of Legends to Trainees.
- .Energy Conservation - Ordinary Choke Vs Electronic Choke
- Model to show different stages of Knots.
- Quiz Model - Objective Questions & Answers
- Aerial Board Model for Service connections to minimise Fuse of call

- **.Model to demonstrate conservation of energy in street lights**
- **Model to demonstrate use of Non - Conventional Energy Source -Solar Energy in lighting**
- **Pumped Storage Generation Scheme**
- **Demonstration of power generation by Wind energy - Wind Mill Model**
- **.Model for measurement of Illumination Level for various lighting**
- **Model to demonstrate the “Effect of providing Non -Standard HG Fuse & LT Open Type Fuse Arrangements” using Loading Transformer & Variac.**
- **Model to demonstrate protection schemes in Radial SS**
- **Model to demonstrate Breathing IN and Breathing OUT of Transformer -- Air Horn Breather Model**
- **Model of Oil Testing Kit**
- **Model of Conservator Tank**
- **Model of AB Switch**
- **Model of Automatic Power Factor Controller**
- **Accident Prevention by isolation of Earth leakage using ELCB**

Apart from the above models, the following Fire fighting equipments are available to impart training to the trainees.

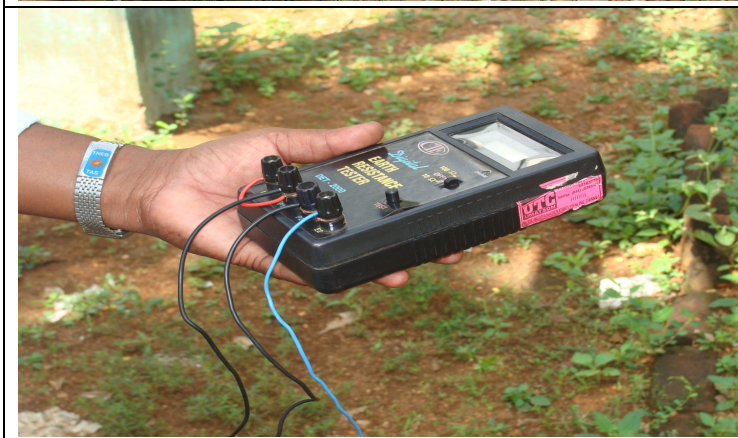
- **Dry Chemical Powder (5kg & 10kg)**
- **Foam**
- **Water CO2**

DETAILS OF THE FACULTIES

- In this training centre, Senior Manager, Assistant Engineer & Junior Engineer I grade are handling classes on the topics in their experienced field.
- Apart from the above , the faculties having experience in Special Maintenance, Meter Relay Test, Substation Erection, Transformer Erection, Operation & Maintenance of Substations are also engaged as guest faculties.
- Faculties from other departments are also engaged as guest faculties to impart training on topics such as Disaster Management, Fire fighting, First aid, Health & Developing Communication skills .

ACHIEVEMENTS AND SPECIAL ACTIVITIES

- Conducted Exhibition on Energy Conservation regularly and during Energy Conservation week with demo on Energy Conservation models to create awareness among the consumers. This has attracted many consumers.
- Conducted safety awareness programmes to the field staff with a view to create awareness on safety and to curb out the accidents.
- With a view to motivate the Officers and staff in maintaining the Section as “Distribution Transformer Failure free”, is identified and awarded with a Certificate and a Shield”. Special awards are being given to those Sections which are failure free for more than a year. This will pave the way to reduce DT failures.
- The technical training programmes are being conducted with animations. This helps the trainees in understanding and learning the topics and technical methods easily.
- The technical methods, nowadays followed in Distribution are kept as models in this training centre. Every training programme has been conducted with demo on models.



ONSITE TRAINING PROGRAMME ON MEASUREMENT OF EARTH RESISTANCE



ONSITE TRAINING PROGRAMME AT SUBSTATIONS

REVENUE FETCHING PROGRAMMES

- ▶ Training Methodology and expertise resulted in an invitation from Andaman & Nicobar Administration for training their Employees on Distribution Practices during October 2003.



TRAINING PROGRAMME TO THE EMPLOYEES WORKING IN ANDAMAN & NICOBAR

NATIONAL LEVEL TRAINING PROGRAMMES

- Training programmes funded by Rural Electrification Corporation Ltd. are being conducted under Variant - I,II,III and has been ranked number one at the national level in conducting training programmes to Class C & D employees.
- The training programmes funded by Power Finance Corporation under R-APDRP-Part-C, 'Capacity Building of Personnel' have been conducted successfully.

ENERGY CONSERVATION ACTIVITIES

- Numbers of Energy Conservation programmes have been conducted per month to **students and public** to create awareness on energy conservation and energy saving , **without getting any money.**
- Importance of Energy Conservation and energy savings are focussed during this programme.
- The models on Energy Conservation are also displayed in Exhibition.



ENERGY CONSERVATION PROGRAMME TO THE STUDENTS