

TECHNICAL TRAINING AND DEVELOPMENT CENTRE, TIRUVAN  
TECHNICAL TRAINING AND DEVELOPMENT CENTRE, TIRUVANNAMALAI



Front View of TT&DC / Tiruvannamalai

### **FORMATION:**

Established as Line Man Training Centre on 21.01.1987 as per B.P.Ms(Ch)  
No.26 / (Adm). dt. 21.01.1987. Re named as Technical Training &  
Development Centre, vide B.P (CH) 16 dated 10.01.2007.

### **LOCATION:**

The Centre is now functioning in its Own Building, in the 110 KV SS campus  
(behind 110kv SS) Vengikkal, Tiruvannamalai.

**“TECHNICAL TRAINING & DEVELOPMENT CENTRE,  
TANGEDCO (a subsidiary of TNEB Ltd.)  
110 KV SS Campus, Vellore Road,  
VENGIKKAL, TIRUVANNAMALAI-606604.**

**E-mail: [aeelitdctvm@tnebnet.org](mailto:aeelitdctvm@tnebnet.org)**

| <b>Sl.No</b> | <b>Description</b> | <b>Designation</b>        | <b>Number</b>       |
|--------------|--------------------|---------------------------|---------------------|
| <b>1</b>     | <b>Telephone</b>   | <b>Office</b>             | <b>04175-233476</b> |
| <b>2</b>     | <b>Mobile</b>      | <b>Senior Manager</b>     | <b>9445856247</b>   |
| <b>3</b>     | <b>Mobile</b>      | <b>Junior Engineer-I</b>  | <b>9445856246</b>   |
| <b>4</b>     | <b>Mobile</b>      | <b>Junior Engineer-II</b> | <b>9445856234</b>   |

### **LEVEL OF EMPLOYEES TO WHOM TRAINING IS IMPARTED:**

The Programmes are being conducted at this centre for the following cadre.

- Foreman
- Line Inspector
- Wireman
- Helper
- Mazdoor
- Commercial Inspector
- Commercial Assistant
- Accounts Staff
- Administrative Staff
- Stores staff
- Revenue Supervisor
- Inspector of Assessment
- Assessor
- Meter Reader

### **INFRASTRUCTURE DETAILS:**

**This Centre is having an Air Conditioned Lecture Hall with Seating Capacity of 35 persons in a 'U' Shaped arrangement, seating with Cushion Chairs.**

**The following facilities are available.**

- **Model Display room.**
- **Glass portioned Office Room with a view of Lecture Hall and individual cabin for officers.**
- **2Nos Personal Computers**
- **Broadband Internet facility (Limited plan)**
- **Scanner & CD Writer**
- **Dot matrix Printer**
- **Laser jet Printer**
- **LCD Projector**
- **Network connection between PCs and LCD Projector Point.**



**View of participants in TT&DC**

### **HOSTEL FACILITIES & ITS LOCATION:**

**A Hostel (Dormitory Hall) with Cots, Beds & Pillows to accommodate 30 persons available in the Up stairs of the Centre.**



**A View of Hostel at TT&DC, Tiruvannamalai**

### **Library facilities**

**A Library with the following Books are available in this Centre**

- Technical Books : 86**
- Technical Magazines(Monthly) : 2**
- Training Course Materials : 70**

## **MODELS AVAILABLE**

- **ENERGY CONSERVATION MODEL**
- **MEASUREMENT OF VARIOUS TYPES OF ILLUMINATION**
- **ENERGY CONSERVATION IN STREET LIGHTS**
- **ACCIDENT PREVENTION BY USE OF ELCB**
- **EFFECT OF PROVIDING NON - STANDARD FUSES**
- **NEUTRAL DISPLACEMENT**
- **SUB-STATION LAY OUT-RADIAL-PROTECTION**
- **AERIAL BOX**
- **BREATHER**
- **SOLAR LANTERN**
- **VARIOUS TYPES OF METERS FOR READING PARAMETERS**
- **POWER FACTOR IMPROVEMENT**
- **TYPES OF KNOTS**
- **DIFFERENT TYPES OF CLAMPS**
- **AB SWITCH (CONTACTS ONLY).**
- **BUCHHOLZ RELAY OPERATION DEMO.**
- **CONSERVATOR**
- **ROLE OF PROPER JOINTS(JUMPERS) IN LINES TO REDUCE VOLTAGE DROP.**
- **MODEL DISTRIBUTION TRANSFORMER STRUCTURE FOR PRACTICAL TRAINING.**

**Apart from the above, the following Fire Extinguishers are available for imparting training on Fire Safety**

- **Dry Chemical Powder(5 Kg & 10 Kg)**
- **Foam Type (9 Lits)**
- **Water Co2**
- **A,B,C. Type (5Kg)**
- **Co2 Fire Extinguisher**

#### **FACULTY DETAILS**

- **ALL THE ENGINEERS(Senior Manager & 2 Junior Engineers) OF THIS CENTRE ARE HANDLING SESSIONS. DEPENDING ON THE NECESSITY, FACULTIES FROM SPECIAL FIELD ARE BEING UTILIZED. Viz. SPECIAL MAINTENANCE, MRT, SS ERECTION, TRANSFORMER ERECTION, SUB-STATION, O&M.**
- **FACULTIES FROM OTHER DEPARTMENTS ARE INVITED FOR THE SPECIAL SUBJECTS LIKE, DISASTER MANAGEMENT, FIRE SAFETY, FIRST AID, COMMUNICATION SKILLS etc. (FIRE & RESCUE DEPARTMENT, HOSPITALS etc.)**

#### **ACHIEVEMENTS / SPECIAL ACTIVITIES:**

##### **Special Acheivements at Tiruvannamalai TTDC**

- **This Centre has participated in State level Exhibition conducted by Govt.of Tamil Nadu and won First prize.**
- **This Centre used to conduct many Exhibitions during Energy Conservation Week and the models received a very good response from Consumers and created awareness also.**



**Energy Conservation demonstration-at a Polytechnic College.**

- **First time in the History of the TTDCs, Tiruvannamalai Training Centre has imparted Training to the Staff of Other utility, Puducherry Electricity Department, under R-APDRP, Programme, funded by PFC. This is a mile stone in the History of TT&DC, Tiruvannamalai.**



**Special Address by SE / Puduchery in the Inaguration of R-APDRP Programme to Puduchery Elec.y.Dept.**

- **This Centre has adopted one Section where the Distribution Transformer failure is high( 22.22%). By utilizing the Trainees in the cadre of Mazdoors, the**



**Transformer Maintenance, Renewal of Earth, Making the corrective measures in DT & Lines as well were carried out. The failure rate was brought down to 9.82% with the Co-operation of the Staff and Officers in that Section. This has been appreciated by the Superintending Engineer / TEDC / Tiruvannamalai.**



**Trainees at Practical Training Session**

### **SPECIAL ACTIVITIES**

- **Tiruvannamalai Centre has undertaken a Pilot project "Marching towards excellence" which aimed at the improvement in Tail end voltage as per our Chairman's instructions and completed the same.**
- **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 Distribution Section as "Distribution Transformer Failure free", Sections with "no DT failure" 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.**
- **This Centre used to conduct classes using animation Techniques for easy learning and understanding by the Trainees. Animations are available for all the Subjects handled during the session and it is having a very good response from the trainees.**



- A separate model room is available in this centre and every training programme includes a separate session in the model room to have a clear understanding through visualization.
- A Data base with all the details of the employees of this Villupuram Region(Class III & IV) is maintained in this centre. All the nominations are made by name only. When the individual is completed the training, the same will be entered in the Data base. This will avoid repetition of same training to one individual and training could be extended to all the employees over a span of time. The data base is being up-dated periodically.

### **REVENUE GENERATION TRAINING PROGRAMMES**

- This Training Centre has conducted 2 Nos. Training Programmes to the Staff of Electricity Department of Andamaan & Nicobar islands on "SAFETY MEASURES" on payment from them. The programme was conducted at Middle Andaman & North Andaman from 25.04.2011 to 30.04.2011 which received a good feedback from them and also got the appreciation of the CE / R-APDRP.
- This centre has conducted 2 programmes to the staff of Puduchery Electricity Department under R-APDRP scheme funded by PFC.



**View of Session at North Andamaan**



### Practical Training on standard work practices-North Andamaan

#### NATIONAL LEVEL TRAINING PROGRAMMES

- This centre has conducted National Level Training programmes to our Class III & IV service Staff **funded by REC Ltd.**
- Thiru.J.Kalyan Chakravarthy, Addl.Director, CIRE, REC Ltd. Has visited this centre and witnessed the on going programmes under National level Training programmes funded by REC and appreciated the training activities.



**Thiru.J.K.Chakravarthy, Addl.Director,CIRE, REC, addressing at TTDC, Tvmalai**

- This centre has conducted programmes under R-APDRP-Part-C, **funded by PFC.**
- Thiru.Neeraj Singh, Senior Manager from PFC, New Delhi made a visit to this centre and appreciated the Development activities and also the training infrastructure available.



**Visit of Thiru. Neeraj Singh , SM, PFC, New Delhi at TTDC, Tvmalai**

### **ENERGY CONSERVATION ACTIVITIES**

- This Centre is conducting awareness programmes on Energy Conservation to the students Soceity frequently at least @ 4 programmes per month **without any fee**
- Energy Conservation Techniques and need for Conservation are the area of awareness.
- Exhibitions at various places are conducted with the demonstration models on Conservation of Electrical energy.
- The Centre has participated in the State level Exhibition conducted on "World Consumer's Right day" and won the First prize.
- This Centre has participated and made an exhibition with the demo.models on the Inaguration of "BACHAT LAMP YOJANA" at Chidambaram.