



**ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED**

**TRAINING INSTITUTE, APGENCO, IBRAHIMPATNAM – 521456. Ph : 0866 - 2882308**

Web site: www.training.apgenco.gov.in , e -mail:: vtips.cetrg@apgenco.gov.in

From  
The Chief Engineer,  
Training Institute &  
Construction Stage V Dr.NTTPS  
APGENCO, Ibrahimpatnam  
Krishna Dist. 521456  
Fax.No:0866-2881973

To  
The Executive Director /HRD & Planning  
APTRANSCO, Vidyut Soudha, Vijayawada  
The Chief Engineer(TL&SS),  
APTRANSCO, Vijayawada, Vizag & Kadapa

Lr. No:CE/TI&Stage-V Const /SE/DE-I/ADE-III/APGENCO/ F. Dkt / D.No.524/17, Dt.22.07.2017

Sir,

Sub:-APGENCO –TI - 3-days Seminar on “Power Transformer & Bus bar Protection and Reactive Power Management” to the engineers of APTRANSCO from 22.08.17 to 24.08.17 at Training Institute, APGENCO - Reg.

Ref:- 1.Lr.No.ED/HRD&Plg/DE(T&MPP)/ADE(T)/Peshi/F.Trg/D.No.111/17, dt:17.06.2017.  
2.T.O.O (ED-HRD&Plg) Rt.No.392, dtd.05.07.2017

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It is proposed to conduct 3-days Seminar on “Power Transformer & Bus bar Protection and Reactive Power Management” to the engineers of APTRANSCO from 22.08.17 to 24.08.17 at Training Institute, APGENCO

Hence, it is requested to arrange for deputation of the engineers – 20 Nos and the programme schedule is enclosed for the above seminar and also intimate the names of the participants by 19.08.17 positively so as to make further necessary arrangements.

1. The Participants should be attended on payment basis of Rs.2200 /-(Rupees Two thousand two hundred only) per participant per day including boarding, lodging and excluding GST.  
The Payment made by way of Cheque made in favour of Accounts Officer/O&M/Dr.NTTPS, payable at Vijayawada and with in duration of 1-month. Necessary invoices will be sent to the Concerned.
2. The deputed participants may please be advised to wear their Local Identity Cards.
3. Please contact for any information regarding the above seminar to the concerned Officers.
  - 1) Sri.G.Tirumala Prasad, DE-I/TI/APGENCO (9493121287)
  - 2) Sri. R.S.Johnson, ADE /TI/APGENCO (9493121221)

Yours faithfully,

*M.V.V. Subrahmanya Rao*  
Chief Engineer, 22/7/17  
Training Institute &  
Construction Stage V Dr.NTTPS  
APGENCO.

Encl: Programme Schedule Sheet – 1 No

Copy to DE (T) to CMD, APTRANSCO, V.S, Vijayawada for information.

Copy to PS to JMD(Finance,Comml,IPC,HRD&IT) APTRANSCO, V.S, Vijayawada for information

Copy to PS to MD, APGENCO, V.S, Vijayawada for information.


Copy to the AS to Director (IIR), APGENCO, V.S, Vijayawada for information.

Copy to the Chief General Manager (Adm, ERP&IS), APGENCO, V.S, Vijayawada for information.

## Programme Schedule

3-days seminar on "Power Transformer & Bus bar Protection and Reactive Power Management" to the engineers of APTRANSCO from 22.08.17 to 24.08.17 at Training Institute, APGENCO.

| Date/Time  | Name of the Faculty   | Topics  |
|--|---|---|
| <p style="text-align: center;">22.08.2017<br/>(Tuesday)<br/>(9.30 to 17:30 Hrs)</p>    | <p style="text-align: center;">Sri.Sk.Nadeem<br/>Application Manager,<br/>ABB<br/>Bangalore</p>                               | <ul style="list-style-type: none"> <li>➤ Introduction to National and International Standards</li> <li>➤ Different types of Transformers and Application</li> <li>➤ Introduction to Transformer Protection</li> <li>➤ Comparison of Transformer Protection with other bays</li> <li>➤ Basics of Current transformers</li> <li>➤ Transformer Differential Protection</li> <li>➤ Transformer Restricted Earth fault Protection (2 types)</li> <li>➤ Over fluxing Protection</li> <li>➤ Over current and Earth fault protections (IDMT and Instantaneous)</li> <li>➤ Thermal Overload Protection and others</li> </ul> <p>Case study on Transformer Protection with numerical relays</p> |
| <p style="text-align: center;">23.08.2017<br/>(Wednesday)<br/>(09:30 to 12:45 Hrs)</p> | <p style="text-align: center;">Sri.Sk.Nadeem<br/>Application Manager,<br/>ABB,<br/>Bangalore</p>                              | <ul style="list-style-type: none"> <li>➤ Introduction to Busbar Protection</li> <li>➤ Various types of Busbar Protections and their application</li> <li>➤ Busbar Differential Protection</li> <li>➤ Open CT detection with numerical technology</li> <li>➤ Breaker Failure Protection</li> <li>➤ Case study on Busbar Protection</li> </ul>  |
| <p style="text-align: center;">23.08.2017<br/>(Wednesday)<br/>(2:30 to 5:30 Hrs)</p>   | <p style="text-align: center;">Sri.S.Venkateswarlu,<br/>ADE/System Protection,<br/>APTRANSCO<br/>Gunadala,<br/>Vijayawada</p> | <ul style="list-style-type: none"> <li>• Fault Level Calculations</li> <li>• Case Studies</li> </ul>  |
| <p style="text-align: center;">24.08.2017<br/>(Thursday)<br/>(09:30 to 5:30 Hrs)</p>   | <p style="text-align: center;">Sri.G.Suresh,<br/>AGM,POSOLO,<br/>SRLDC,<br/>Bangalore,</p>                                    | <ul style="list-style-type: none"> <li>• Introduction to Reactive power,</li> <li>• Types of Reactive Power,</li> <li>• Effect of Reactive Power &amp; Correction</li> <li>• Methodology</li> <li>• Case Studies.</li> </ul>  |

  
 Chief Engineer, *22/8/17*  
 Training Institute &  
 Construction Stage V Dr.NTTPS  
 APGENCO