

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Sub:- Revised administrative approval for providing 33 kV features at Boothpur 220/132 kV Substation in Mahaboobnagar district – Administrative Approval – Accorded.

T.O.O (CE-Construction-I) Ms. No. 292

Dated: 19.11.2011

The proposal for erection of 33 kV features at Boothpur 220/132 kV Substation in Mahaboobnagar district (CPDCL) was received from CMD / APCPDCL. The CMD / APCPDCL informed that Mahaboobnagar Town is presently being fed from the 132 kV SS Mahaboobnagar and there is no alternate supply to the Mahaboobnagar town, causing much inconvenience to the people incase of breakdowns / shutdowns of this line. To have an alternate supply it is requested to erect 10/16 MVA, 132 Power Transformer at 220 kV Boothpur SS from which 33 kV supply can be availed.

Subsequently administrative approval issued vide T.O.O. (CE-Construction-I) Ms. No.526 dated. 31.03.2011 for erection of 33 kV features at Boothpur 220/132 kV Substation in Mahaboobnagar district with 2 Nos. 16 MVA Power Transformers (released transformers) for an amount of **Rs. 408. 00 Lakhs**.

1 No. 132/34.5 kV 75 MVA PTR (make: CEM, Sl. No. H23655, Y/M: 1965, No. of taps:15, DOC:2-7-67.) is released at 132 kV SS Erragadda consequent to commissioning of 80 MVA PTR in place of 75 MVA PTR. The above PTR has served from 44 years. The voltage ratio of the PTR is 132/34.5 KV and having 15 taps and was kept in service at 132 kV SS, Erragadda in fixed tap position. The PTR was not paralleled with other PTRs at Erragadda due to tap changer problem and mismatch in voltage ratio and % impedance.

As the subject PTR is to be operated independently, it is proposed to allot the PTR to new substation where necessary arrangements can be made for independent operation of the PTR. Also, as the PTR has served its life, it is preferable to put the PTR in service at nearby substation to minimize damage during transportation. Hence, it is proposed to allot the above released 75 MVA PTR to 220 kV SS Boothpur for erection in place of one of the 10/16 MVA PTRs sanctioned at 220/132 kV SS Boothpur.

Contd....2

After careful consideration, APTRANSCO accords revised administrative approval for erection of 33 kV features at Boothpur 220/132 kV Substation in Mahaboobnagar district with 1 x 75 + 1x 16 MVA Power Transformers (released transformers) for an amount of **Rs. 386.00 Lakhs**. as per the break up indicated below: The earlier T.O.O. (CE-Construction-I) Ms. No.526 dated. 31.03.2011 for **Rs. 408.00 Lakhs** issued for the above works is herewith cancelled.

ABSTRACT OF ESTIMATE

Sl. No	Description	Unit	Qty	Rate Per Unit Rs.Lakhs	Amount In Rs.Lakhs
1	Providing 33kV features at 220/132 kV Substation at Boothpur SS with 1 x 75 + 1 x 16 MVA (Released) PTR Capacity	No	1	386.00	386.00
Total cost of works					386.00

**** Estimate with 75 MVA and 16 MVA released Power Transformers**

The scheme will be executed with financial assistance from M/s Rural Electrification Corporation Limited, New Delhi and with APTRANSCO funding in case of full loan is not sanctioned by M/s Rural Electrification Corporation Limited.

The Chief Engineer / Construction-I is hereby authorized to take up the above works. This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O. No.4232 Dated. 05.11.2011.

“In exercise of the powers conferred by G.O. Ms. No. 115 dated 07.10.2003 of Government of Andhra Pradesh, APTRANSCO or their authorized representatives shall have the powers that the Telegraphic Authority possesses under the provision of the Indian Telegraph Act 1885 (13 of 1885) for placing of any wires, poles, towers etc., for Transmission of electricity or for the purpose of telephonic or telegraphic communication facility necessary for the proper coordination of the works of the APTRANSCO.

BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

**Sd/-
DIRECTOR/ TRANSMISSION**

To,
The Chief Engineer/Construction-I/Vidyut Soudha/Hyderabad.

Copy to:

The Chairman & Managing Director/APCPDCL.
The Executive Director / Planning, RAC & Reforms/V.S./Hyd
The Chief Engineer/Construction-II/Vidyut Soudha/Hyderabad
The Chief Engineer /Power Systems
The Chief Engineer/EA,O, RE&IT
The Chief Engineer/ Transmission
The Chief Engineer /Lift Irrigation
The Chief Engineer/ Rural Zone/ Hyderabad
The Chief Engineer/Telecom/VS/Hyderabad
FA & CCA (CF)/Vidyut Soudha/Hyderabad
FA & CCA (A&E)/Vidyut Soudha/Hyderabad
The Superintending Engineer/TL&SS/ Mahaboobnagar.
The Superintending Engineer/TLC/ Rural/ Hyderabad
The Superintending Engineer/Op/APCPDCL/ Mahaboobnagar.
The Superintending Engineer/PM-I/Construction-I/VS/Hyd.
The Superintending Engineer/PM-II/Construction-II/VS/Hyderabad
Personal Secretary to the Chairman & Managing Director
Personal Secretary to the Joint Managing Director (Distribution), HRD
Personal Secretary to the Joint Managing Director / Comml, IPC,Reforms,RA&IT
Personal Secretary to the Joint Managing Director/Vigilance & Security,
Personal Secretary to the Director/Finance & Revenue,
Personal Secretary to Director/Projects
Personal Secretary to Director/Grid Operation
DE (T) to Director/Transmission
DE-4 of SE/PM- I O/o CE/Construction -I
T.O.O Section

FORWARDED BY ORDER

ASSISTANT DIVISIONAL ENGINEER