

## TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

**Sub:** Administrative approval for erection of 132/33 kV substation at Arempula in Khammam district along with connected 132 kV & 33 kV lines – Accorded.

**T.O.O (CE-Construction-I) Ms. No.118**

**Dated: 02.07.2012**

APNPDCL have proposed for erection of 132/33 kV substation at Arempula in Khammam district to meet increased load on 33/11 kV substations and also to reduce 33 kV line losses. Load flow studies were conducted by the Chief Engineer (Power Systems) for erection of above 132/33 kV substation and it is observed that the 132/33 kV substation at Arempula in Khammam district is essential to reduce the overloaded 33 kV feeders and 33 kV substations and to improve voltage conditions and quality & reliability of power supply in the area.

Chief Engineer/Construction-I formulated a scheme for erection of a 132/33 kV substation at Arempula in Khammam district along with connecting 132 kV and 33 kV lines and has proposed to pose the scheme to M/s. Power Finance Corporation Ltd., New Delhi/M/s Rural Electrification Corporation Limited, New Delhi / other funding agencies for sanction of loan.

After careful consideration, APTRANSCO accords administrative approval for the above scheme at a total cost of **Rs. 1954.00 Lakhs** as per the break up indicated below:

### ABSTRACT OF THE ESTIMATE

Sl.No	Description	Unit	Qty	RATE PER UNIT Rs.LAKHS	AMOUNT IN Rs.LAKHS
1	132/33 kV Substation at Arempula with 1x31.5 +1 x 16 MVA(Released) PTR Capacity (Radial))	No	1	845.00	845.00
2	132 kV DC/SC line from 220/132 kV Budidampadu substation to the proposed 132/33 kV Arempula substation	KM	23.00	42.00	966.00
3	132 kV Bay extension at 220/132 kV Budidampadu substation	No	1	76.00	76.00
4	33 kV line with 100 Sqmm AAAC	KM	20.00	2.50	50.00
5	Communication facility(PLCC)	No	1	16.24	16.24
	<b>Total cost of works</b>				<b>1953.24</b>

**(\*\*) Estimate with 1 x16 MVA released Power Transformer.**

**Or Say Rs. 1954.00 Lakhs**

The scheme will be executed with financial assistance from M/s. Power Finance Corporation Ltd., New Delhi/ M/s Rural Electrification Corporation Limited, New Delhi / other funding agencies and with APTRANSCO funding in case full loan is not sanctioned by M/s. Power Finance Corporation Ltd., New Delhi /M/s Rural Electrification Corporation Limited / other funding agencies. The cost of the 33 kV lines at Item No.4 of the above Abstract of Estimate will be borne by APNPDCL.

The Chief Engineer / Construction-I is hereby authorized to take up the above works after investment approval is obtained from APERC and financial tie-up is completed. This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O.No. 2503 Dated; 23.06.2012.

“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/APNPDCL.

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

:- With a request to place the TOO in website

The Chief Engineer/ Transmission

The Chief Engineer /Lift Irrigation

The Chief Engineer/ Warangal Zone/ Warangal

The Chief Engineer/Telecom/VS/Hyderabad

FA & CCA (CF)/Vidyut Soudha/Hyderabad

FA & CCA (A&E)/Vidyut Soudha/Hyderabad

The Superintending Engineer/TL&SS/ Warangal

The Superintending Engineer/TLC/ Warangal

The Superintending Engineer/Op/APNPDCL/Khammam

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)

Personal Secretary to the Joint Managing Director / HRD Comml, IPC,& IT

Personal Secretary to the Joint Managing Director/Vigilance & Security,

Personal Secretary to the Director/Finance & Revenue,

**FORWARDED BY ORDER**

Personal Secretary to Director/Projects

Personal Secretary to Director/Grid Operation

DE (T) to Director/Transmission

DE-3 of SE/PM- I O/o CE/Construction-I

T.O.O Section

**ASSISTANT DIVISIONAL ENGINEER**