

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Sub: Revised administrative approval for erection of 132/33 kV Substation at N.V.Puram in Khammam district along with connected 132 kV & 33 kV lines – Accorded.

T.O.O (CE-Construction-I) Ms. No. 339

Dated: 23.12.2011

APNPDCL have proposed for erection of 132/33 kV substation at N.V.Puram 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 N.V.Puram 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.

Subsequently administrative approval issued vide T.O.O. (CE-Construction) Ms. No. 269 dated 06.10.2010 for construction of 132/33 kV Substation at N.V.Puram in Khammam district along with 12 KM of 132kV DC/SC line from Kamalapuram 132/33 kV SS in Warangal district to the proposed 132/33 kV N.V.Puram Substation at an amount of **Rs. 1243 .00 Lakhs.**

Chief Engineer / Warangal Zone / Warangal submitted that the line is crossing the river godavari and shall be erected with special type towers. The Superintending Engineer/TLC/Warangal submitted for 6 Nos. Pile foundations portion as the proposed line crossing the Godavari river for a length of 4.5 KM. The proposed line consist of 5.5 KM 132 kV DC/SC line with ACSR Panther conductor and 4.5 KM river crossing is proposed with 220 kV JC Towers with ACSR Moose conductor.

After careful consideration, APTRANSCO accords revised administrative approval for erection of 132/33 kV Substation at N.V.Puram in Khammam district at an amount of **Rs. 1801.00 Lakhs** as per the break up indicated below: The earlier T.O.O. (CE-Construction) Ms. No. 269 dated 06.10. **Rs. 1243 .00 Lakhs.** issued for the above works is herewith cancelled.

ABSTRACT OF THE ESTIMATE

SL. No.	DESCRIPTION	UNIT	QTY	RATE PER UNIT Rs.LAKHS	AMOUNT IN Rs.LAKHS
1	132/33 kV Substation at N.V.Puram with 2 x 16 MVA (Released) PTR Capacity (Radial)	No	1	690.00	690.00
2	132kV DC/SC line from Kamalapuram 132/33 kV SS in Warangal district to the proposed 132/33 kV N.V.Puram Substation	KM	5.5	38.00	209.00
3	220 kV DC/SC line on Galvanized JC Towers with Moose conductor in Godavari river crossing area	KM	4.5	165.00	742.00
4	132 kV Bay extension at Kamalapuram in Warangal district	No	1.00	70.00	70.00
5	33 kV line with 100 Sqmm AAAC	KM	28.00	2.50	70.00
6	Communication facility (PLCC)	No	1	19.47	19.47
	Total cost of works				1800.97

(*) Estimate with 2 x16 MVA released Power Transformer or Say 1801.00 Lakhs

The scheme will be executed with financial assistance from M/s Rural Electrification Corporation Limited, New Delhi and with APTRANSCO funding in case full loan is not sanctioned by M/s Rural Electrification Corporation Limited. The cost of the 33 kV lines at Item No.5 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 This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O. No. 4797 Dated 16.12.2011.

“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/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
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
ADE(T) 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-3 of SE/PM- I O/o CE/Construction
T.O.O Section

FORWARDED BY ORDER

ASSISTANT DIVISIONAL ENGINEER