

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Sub: Revised administrative approval for erection of 132/33 kV Substation at Yernagudem in West Godavari district along with connected 132 kV & 33 kV lines – Accorded.

T.O.O (CE-Construction-I) Ms. No. 371

Dated: 23.02.2013

APEPDCL have proposed for erection of 132/33 kV substation at Yernagudem in West Godavari 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 Yernagudem in West Godavari 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 TOO No. CE(Construction-I) Ms. No. 03 Dt. 06.04.2011 for construction of 132/33 kV Substation at Yernagudem in West Godavari district along with 24.00 KM of 132kV DC/SC line from 220/132 kV Nidadavolu Substation to the proposed 132/33 kV Yernagudem Substation at an amount of **Rs. 1881.00 Lakhs**

Though the space provision for 1No.132 kV Bay is available at 220/132 kV Nidadavolu Substation, the dedicated line to the proposed SS has to cross all the existing 132 kV feeders emanating from 220/132 kV Nidadavolu Substation and also erection of line is very difficult due to severe right of way problems. In view of the above Chief Engineer/ Zone/Visakhapatnam has submitted that the evacuation of power from the proposed 100 MW Gas Based Power Plant of M/s. Panduranga Energy Systems Pvt.Ltd., West Godavari District by erecting 30 KM dedicated 220 kV DC line from 220 kV Switching station at Pallantla which is under progress. If this Switching Station can be converted to 220/132 kV Substation then supply to the 132 kV Yernagudem Substation can be fed by laying a dedicated 132 kV feeder (around 14 Km) from the above 220 kV Substation at Pallanta Village.(Under construction)

After careful consideration, APTRANSCO accords revised administrative approval for erection of 132/33 kV Substation at Yernagudem along with 132 kV features at 220 kV Pallantla Switching station and giving connectivity to the proposed 132/33 kV Yernagudem substation form 220 kV Pallantla SS as below at an amount of **Rs. 3630.00 Lakhs**

ABSTRACT OF THE ESTIMATE

Sl. No.	Description	Unit	Qty	RATE PER UNIT Rs.LAKHS	AMOUNT IN Rs.LAKHS
1	132/33 kV Substation at Yernagudem with 1 x31.5 + 1 x 16 MVA (Released) PTR Capacity (Radial)	No	1	768.00	768.00
2	132kV DC/SC line from 220/132 kV Pallantla Substation to the proposed 132/33 kV Yernagudem Substation	KM	14.00	42.00	588.00
3	132 kV features at 220 kV Switching station Pallantla with 2x100 MVA Power Transformers	No	1	2193.00	2193.00
4	33 kV line with 100 Sqmm AAC	KM	24.50	2.50	61.25
5	Communication facility(PLCC)	No	1	19.37	19.37
	Total cost of works				3629.62

() Estimate with 1 x16 MVA released Power Transformer. Or Say Rs. 3630.00 Lakhs**

The earlier administrative approval issued vide TOO No. CE(Construction-I) Ms. No. 03 Dt. 06.04.2011 for **Rs. 1881.00 Lakhs** for the above works is herewith cancelled.

The scheme will be executed with financial assistance from M/s.REC New Delhi and with APTRANSCO funding in case of full loan is not sanctioned by M/s.REC New Delhi. The cost of the 33 kV lines at Item No. 4 of the above Abstract of Estimate will be borne by APEPDCL.

The Chief Engineer / Construction-II is hereby authorized to take up the above works after revised investment approval is obtained from APERC. This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O. No. 717 Dated. 16.02.2013.

“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/APEPDCL.

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/ Visakhapatnam Zone/ Visakhapatnam

The Chief Engineer/Telecom/VS/Hyderabad

FA & CCA (CF)/Vidyut Soudha/Hyderabad

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

The Superintending Engineer/TL&SS/ Visakhapatnam

The Superintending Engineer/TLC/ Visakhapatnam

The Superintending Engineer/Op/APEPDCL/ Nidadavolu

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

Personal Secretary to Director/Projects

Personal Secretary to Director/Grid Operation

Personal Secretary to Director/Transmission

DE-2 of SE/PM- II O/o CE/Construction -II

T.O.O Section

FORWARDED BY ORDER

ASSISTANT DIVISIONAL ENGINEER