

## TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

**Sub:** Revised administrative approval for erection of 132/33 kV Substation at Donthanpalli in Ranga Reddy district along with connected 132 kV & 33 kV lines – Accorded.

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**T.O.O (CE-Construction-I) Ms. No. 369**

**Dated: 23.02.2013**

APCPDCL have proposed for erection of 132/33 kV substation at Donthanpalli in Ranga Reddy 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 Donthanpalli in Ranga Reddy 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. 186 Dt. 11.08.2011 for construction of 132/33 kV Substation at Donthanpalli in Ranga Reddy district along with 35.00 KM of 132kV DC/SC line from Gachibowli 220/132 kV Substation to the proposed 132/33 kV Donthanpalli Substation at an amount of **Rs. 2328.00 Lakhs**

The Chief Engineer/Metro Zone/ Hyderabad has submitted that, since it is very difficult to lay 35 Kms of 132 KV overhead line from 220 KV SS Gachibowli to 132KV SS Donthanpally due to severe ROW problems and the land in and around 220 KV SS Gachibowli is very costly as the substation is surrounded by HCU and other prestigious institutions.

After careful consideration, APTRANSCO accords revised administrative approval to connect the proposed 132/33 kV Substation at Donthanpalli by making LILO of 132 kV Yeddumailaram – Dharmsagar and also approved for laying of 132 kV DC line from the proposed 220/132/33 kV SS Parigi to 132/33 kV Dharmasagar based on the proposals sent by Chief Engineer / Metro Zone / Hyderabad as below at an amount of **Rs.3368.00 Lakhs.**

**ABSTRACT OF THE ESTIMATE**

<b>Sl.No</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>RATE PER UNIT Rs.LAKHS</b>	<b>AMOUNT IN Rs.LAKHS</b>
1	132/33 kV Substation at Donthanpalli with 1 x 31.5+1 x 16 (released) MVA PTR Capacity (Radial))	No	1	856.00	856.00
2(a)	132kV LILO of 132 kV Yeddumailaram – Dharmasagar line with Zebra conductor to the proposed 132/33 kV Donthanpalli Substation	KM	0.50	57.00	28.50
2(b)	132 kV DC line from the proposed 220/132/33 kV SS Parigi to 132/33 kV SS Dharmasagar	KM	35.00	51.00	1785.00
3	132 kV Bay extension 2 Nos. at 220/132/33 kV SS Parigi and 2 Nos. at 132/33 kV SS Dharmasagar	No	4	72.00	288.00
4	33 kV line with 100 Sqmm AAAC	KM	35.00	2.50	87.50
5	Communication facility(PLCC)	No	1	35.15	35.15
	<b>Total cost of works</b>				<b>3368.15</b>

**(\*\*) Estimate with 1 x16 MVA released Power Transformer. Or Say Rs. 3368.00 Lakhs**

The earlier administrative approval issued vide TOO No. CE(Construction-I) Ms. No. 186 Dt. 11.08.2011 for **Rs. 2328.00 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 APCPDCL.

The Chief Engineer / Construction-I 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. 703 Dated. 15.02.2013.

“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/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/Rural Electrification & Operation

The Chief Engineer/ Transmission

The Chief Engineer /Lift Irrigation

The Chief Engineer/Metro 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/ Metro circle / Hyderabad

The Superintending Engineer/TLC/ Metro / Hyderabad

The Superintending Engineer/Op/Ranga Reddy South / Hyd/APCPDCL

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-4 of SE/PM- I O/o CE/Construction-I

T.O.O Section.

**FORWARDED BY ORDER**

**ASSISTANT DIVISIONAL ENGINEER**