

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Sub:- Administrative approval for erection of 220/132/33 kV Substation at Bonguloor in Ranga Reddy District – Reg.

T.O.O (CE-Construction-I) MS. No. 18

Dated: 22.04.2013

Bonguloor is located at Ibrahimpatnam Mandal in Ranga Reddy District, APCPDCL proposed for erection of 220/132/33 KV Substation at Bonguloor in Ranga Reddy District to meet the industrial load growth and reliable power supply for proposed Industries.

In view of the above, it is essential to erect 220/132/33 kV SS at Bonguloor of Ibrahimpatnam Mandal in Ranga Reddy District with associated lines to meet the load demand of the upcoming Industries, proposed by APIIC and furnished through SE/TLC/Metro/Hyderabad.

Chief Engineer/Power Systems recommended the proposal for erection of 220/132/33 kV Substation at Bonguloor village at Ibrahimpatnam Mandal in Ranga Reddy District and making LILO of both circuits of 220KV Dindi-Chandrayanagutta DC line at the proposed 220/132/33KV Bonguloor SS.

In this regard it is to submit that the load flow studies had been conducted taking into consideration 133MVA of 132KV level and 28.5MVA of 33kV level, that is for a total load of 161.5MVA.

The estimated cost for the above proposal works out to **Rs. 6937.00** Lakhs with latest SSR and purchase order rates with 10% of price escalation. The details are as mentioned below.

ABSTRACT

Sl. No.	DESCRIPTION	UNIT	QTY	RATE (Rs. In Lakhs)	AMOUNT (Rs. In Lakhs)
1	Erection 220/132 /33kV SS at Bonguloor with 2X100 MVA + 2X50 MVA PTR Capacity	1	No.	3474.30	3474.30
2	Erection of 220 KV line on Narrow Based Multi Circuit Towers with 4 Circuits for LILO of both Circuits of Dindi - Chandrayangutta 220 KV DC Line to the proposed 220 kV SS, Bonguloor.	1	KM	194.80	194.80
3	Erection of 132 kV DC Line on Narrow Based Towers for LILO of 132 kV Ibrahimpatnam - Turkayamzal SC Line to the proposed 220 kV SS, Bonguloor	4	KM	102.00	408.00
4	Supply, Erection, Laying, Testing, Commissioning including the cost of accessories of 132 kV 600 sq.mm XLPE UG DC cable for LILO of 132 kV Ibrahimpatnam - Turkayamzal SC Line to the proposed 220 kV SS, Bonguloor	4	KM	700.00	2800.00
5	Communication facility (Fiber Optical Cable)	LS	LS	60.00	60.00
TOTAL					6937.10

OR SAY Rs. 6937.00 LAKHS

Contd...2

The scheme will be executed with financial assistance from M/s. REC / M/s. PFC / other funding agencies and with APTRANSCO funding in case full loan is not sanctioned by M/s REC / M/s PFC/other funding agencies.

The Chief Engineer/Construction-I is hereby authorized to take up the work after financial tie up is completed. This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O.No. 628 Dated. 08.02.2013. Necessary investment approval shall be obtained from APERC as required

"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/V.S./Hyd

The Chief Engineer /Power Systems/ V.S./Hyd

The Chief Engineer/EA, RE, Operation & IT/ V.S./Hyd.

The Chief Engineer /Transmission /V.S./Hyd

The Chief Engineer /Lift Irrigation / V.S./Hyd

The Chief Engineer/Metro Zone / Hyderabad.

The Chief Engineer /Telecom / V.S./Hyd

The Superintending Engineer/TLC/Metro/Hyderabad

The Superintending Engineer/TL&SS/ Metro/Hyderabad

The Superintending Engineer/Op/APCPDCL/Ranga Reddy (East)

The Superintending Engineer/PM-I Construction-I/VS/Hyderabad

The Superintending Engineer/PM-II Construction-II/VS/Hyderabad

FA & CCA (CF)/Vidyut Soudha/Hyderabad

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

Additional Secretary / APTRANSCO /V.S. /Hyderabad.

Personal Secretary to the Chairman & Managing Director

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

Personal Secretary to the Joint Managing Director/Vigilance & Security

Personal Secretary to the Director/Finance & Revenue

Personal Secretary to the Director/Grid Operation

Personal Secretary to Director/Projects

Personal Secretary to Director/Transmission

Deputy Secretary (PR)

DE-2 /SE/PM-I,/CE/Construction-I

T.O.O Section.

FORWARDED BY ORDER



ASSISTANT DIVISIONAL ENGINEER