

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Sub: Revised administrative approval for erection of 220/132 kV (GIS) substation at Erragadda & Osmania University in Hyderabad along with connected Under Ground cables – Accorded.

T.O.O (CE-Construction-I) Ms. No. 245

Dated: 29.09.2011

The Twin cities of Hyderabad and Secunderabad witnessed manifold Socio-Economic growth in the recent years and it is likely to grow at a much faster pace especially with the coming up of IT parks, Biotechnology parks etc. While the twin cities are witnessing unprecedented growth, particularly in the services and IT sectors, the need to supply quality power in the city was strongly felt. The transmission and distribution system in the twin cities has been witnessing overloading due to insufficient network affecting the quality of power supply. The network development of transmission and distribution system of the twin cities could not keep pace with the city's growth due to technical and commercial reasons such as difficulties in obtaining sufficient site for erection of substations and right of way problems for taking overhead lines etc.

In order to cope up with the load growth in the twin cities and to provide quality power supply, and to develop the transmission network in the twin cities, administrative approval was issued vide T.O.O. (CE-Construction) Ms. No. 291 dated 08.01.2007 for erection of 2 Nos. 220 kV GIS substations at Erragadda & Chilakalaguda along with connected Under Ground cables for an amount of Rs.510.00 Crores.

Due to technical benefits & better utility of existing network and take off constraints at 132/33 kV Chilakalaguda GIS, the proposed 220/132 GIS at Chilakalaguda was shifted to 220/132 kV GIS substation at Osmania University and the proposal of 220/132 GIS at Chilakalaguda SS (upgradation of 132 kV to 220 kV) already had 33 kV features in 132/33 kV Substation at Chilakalaguda and the proposed 220/132 kV GIS at Osmania University did not have 33 kV features to feed to 33 kV feeders.

After careful consideration, APTRANSCO accords revised administrative approval for erection of 220/132 kV (GIS) substation at Erragadda & Osmania University in Hyderabad along with connected Under Ground cables including 33 kV features at Osmania University at an amount of **Rs. 525.25 Crores** as per the break up indicated below: The earlier T.O.O. (CE-Construction) Ms. No. 291 dated 08.01.2007 for **Rs. 510.00 Crores** issued for the above works is herewith cancelled.

ABSTRACT OF ESTIMATE

(Rs. in Crores)

Sl.No.	Description	Unit	Qty	Rate/Unit	Estimated Cost
I 1	220/132 kV Substation at Erragadda with 3 X 160 MVA power Transformer capacity	No	1	111.00	111.00
2	220 kV LILO UG XPLE cable to the proposed Erragadda substation from Gachibowli – Shapurnagar line	KM	8	LS	112.00
3	Communication Facility	No	1	LS	1.00
II 1	220/132/33 kV Substation at Osmania University with 2 X 160 + 2 x80 MVA power Transformer capacity (Radial)	No	1	103.25	103.25
2	220 kV DC UG XPLE cable to the proposed Osmania University substation from 220kV Moulali SS	KM	14.40	LS	195.00
3	220 kV Bay extensions at Moulali (2Nos.)	Nos	2	1.10	2.20
4	Communication Facility	No	1	1	1.00
	TOTAL				525.25

Or Say Rs.525.25 Crores

The scheme will be executed initially with financial assistance extended by M/s. Power Finance Corporation, New Delhi. M/s. PFC/Other market borrowers will be approached for the enhanced and balance scheme cost.

The Chief Engineer/Construction-I is hereby authorized to take up the work. This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O. No. 3689 Dated 20.09.2011.

“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.

Contd...3

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/EA,O, RE&IT
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/APCPDCL/ Hyderabad
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-2 of SE/PM- I O/o CE/Construction -I
T.O.O Section

FORWARDED BY ORDER

ASSISTANT DIVISIONAL ENGINEER