

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

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

T.O.O (CE-Construction-I) Ms. No. 422

Dated: 02.02.2012

APCPDCL have proposed for erection of 132/33 kV substation at Kosgi in Mahaboobnagar 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 Kosgi in Mahaboobnagar 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-I) Ms. No. 47 dated 06.05.2011 for construction of 132/33 kV substation at Kosgi in Mahaboobnagar district with 18 KM of 132kV DC/SC line from 132 kV Kodangal Substation to the proposed 132/33 kV Kosgi Substation at an amount of **Rs. 1689.00 Lakhs.**

The Chief Engineer/Power Systems has proposed to erect 220kV features at the proposed 132/33kV Kosgi Substation in view of additional loads coming up in that area and recommended LILO of II nd circuit of 132kV Kodangal- Maddur line to 220kV SS Kosgi. Subsequently administrative approval issued vide T.O.O. (CE-Construction-I) Ms. No. 376 dated 13.01.2012 for erection of 220kV features at the proposed 132/33kV Kosgi Substation.

The Superintending Engineer / TLC/ Hyderabad has opined that a separate 2 nd circuit for 132 kV DC/SC radial line to 132 kV Kosgi SS from existing Kodangal SS incur more expenditure & severe ROW problems & proposed to string II nd circuit from Kodangal – Maddur 132 kV SS on the existing DC/SC line. With this the ROW problems can be avoided & the expenditure can also be mitigated.

In view of the above, it is proposed to string II nd circuit on 132 kV Kodangal – Maddur DC/SC line up to common point near to proposed Kosgi 132/33kV SS instead of 132kV DC/SC radial line from 132 kV Kodangal Substation to the proposed 132/33 kV Kosgi Substation

After careful consideration, APTRANSCO accords revised administrative approval for erection of 132/33 kV Substation at Kosgi in Mahaboobnagar district at an amount of **Rs. 1231.00 Lakhs** as per the break up indicated below: The earlier TOO No. CE (Construction-I) Ms. No. 47 Dt. 06.05.2011 for **Rs. 1689.00 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 Kosgi with 1 x31.5 + 1 x 16 MVA (Released) PTR Capacity	No	1	828.00	828.00
2(a)	Erection of 2 nd circuit on 132 kV Kodangal – Maddur DC/SC line up to common point near to proposed Kosgi 132/33kV SS	KM	16.00	9.00	144.00
2(b)	Erection of 132 kV DC/SC line from common point near Kosgi 132/33kV SS to proposed 132/33kV Kosgi Substation.	KM	2.00	39.00	78.00
3	132 kV Bay extension at 132/33 kV Kodangal Substation for 132 kV Kodangal – Maddur 2 nd circuit	No	1	70.00	70.00
4	33 kV line with 100 Sqmm AAAC	KM	39.00	2.50	97.50
5	Communication facility(PLCC)	No	1	13.00	13.00
	Total cost of works				1230.50

() Estimate with 1 x16 MVA released Power Transformer. Or Say Rs. 1231.00 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.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 investment approval is obtained from APERC. This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O. No. 270 Dated 20.01.2012.

“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/EA,O, RE&IT
The Chief Engineer/ Transmission
The Chief Engineer /Lift Irrigation
The Chief Engineer/ Rural 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/ Mahaboobnagar
The Superintending Engineer/TLC/ Rural/Hyderabad.
The Superintending Engineer/Op/APCPDCL/ Mahaboobnagar
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-4 of SE/PM- I O/o CE/Construction -I
T.O.O Section

FORWARDED BY ORDER

ASSISTANT DIVISIONAL ENGINEER