



TRANSMISSION CORPORATION OF TELANGANA LIMITED

Sub: Proposal for erection of 220/33 kV Substation in the premises of Central Power Research Institute (CPRI), Hyderabad. – Administrative approval – Accorded.

T.O.O. (CE-Construction) Ms.No.1594

Dated: 20.03.2023.

Read the following

O R D E R

The Superintending Engineer/OMC/Metro-East has submitted the proposal for construction of 220/33kV Substation in the premises of CPRI and the 33KV supply can be extended for distribution in the vicinity of CPRI as the load demand is increasing rapidly in the scheme area of CPRI 220/33 kV SS which is at present fed from 220/132/33 kV SS Ghanapur with 33KV lines with a length of about 20 KM.

2. The Chief General Manager/Projects/TSSPDCL has furnished the 33 KV load data for erection of 220/33 kV Substation in the premises of Central Power Research Institute (CPRI), Hyderabad.
3. The Chief Engineer/ Power systems has conducted the load flow studies and communicated the study report stating that considering the voltage profile, system losses and the load flows, erection of 220/33KV SS at Central Power Research Institute, Hyderabad (CPRI) for a total load of 101MVA (40 MVA diverted + 61MVA new upcoming loads) by making LILO of one circuit of 220KV Ghanapur – Chandrayangutta DC line found to technically feasible.
4. The Chief Engineer/ Telecom has furnished the cost estimate for providing of Optical Fiber Communication Facility to the proposed 220/33 kV SS CPRI.
5. After careful consideration, TSTRANSCO accords administrative approval for the above scheme at a total cost of Rs.29.13 Crores including IDC considering latest approved material/ equipment rates, price escalation @ 10% & GST @ 18% as per the abstract.

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A B S T R A C T					
S.No	DESCRIPTION	UNIT	QTY	RATE (Rs. In Lakhs)	AMOUNT (Rs. In Lakhs)
1	220/33 kV SS Central Power Research Institute (CPRI) with PTR capacity of 2x100 MVA with SAS automation system.	No	1	2645.00	2645.00
2	Providing of Optical Fibre Communication Facility	Estt.	Estt	67.53	67.53
TOTAL					2712.53
IDC (Interest During Construction)					200.39
Grand Total including IDC					2912.92
Or Say Crores					29.13

6. The scheme will be executed with the financial assistance from funding agencies and/or with TSTRANSCO funding.

7. The Chief Engineer/ Construction is hereby authorized to take up the above works after funding tie-up and investment approval from Hon'ble TSERC. This authorization is issued with the concurrence of Joint Managing Director (Fin,Comml& HRD) vide Regd.No.778,Dated.22.02.2023.

BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF TELANGANA LIMITED

**Sd/-
D.PRABHAKAR RAO
CHAIRMAN & MANAGING DIRECTOR**

To

The Chief Engineer, Construction, TSTRANSCO, Vidyut Soudha, Hyderabad.

Copy to:

The Chairman & Managing Director, TSSPDCL, Hyderabad
The Executive Director (Finance), TSTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer, Comml & RAC, TSTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer, Power systems, TSTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer, Metro Zone, TSTRANSCO, GTS Colony, Erragadda, Hyderabad.
The Chief Engineer, LIS, TSTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer, PRLIS, TSTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer, Transmission, TSTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer, Telecom, TSTRANSCO, Vidyut Soudha, Hyderabad

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The Chief Engineer, P & MM, TSTRANSCO, Vidyut Soudha, Hyderabad.
The SE/T to Chairman & Managing Director, TSTRANSCO, Vidyut Soudha, Hyderabad
The PS to the Joint Managing Director (Fin, Comm & HRD), TSTRANSCO, VS, Hyderabad
The DE/T to Director, Transmission, TSTRANSCO, Vidyut Soudha, Hyderabad
The SE/T to Director, Projects, TSTRANSCO, Vidyut Soudha, Hyderabad
The ADE/T to Director, Lift Irrigation Schemes, TSTRANSCO, Vidyut Soudha, Hyderabad.
The AE/T to Director, Grid Operation, TSTRANSCO, Vidyut Soudha, Hyderabad
The FA & CCA (Accounts) & CFO, TSTRANSCO, Vidyut Soudha, Hyderabad
The Superintending Engineer, OMC, Metro-East, TSTRANSCO, Hyderabad.
The Superintending Engineer/Construction-I, TSTRANSCO, Vidyut Soudha, Hyderabad
The Divisional Engineer-1/SE/Const-I/O/o CE/Const. TSTRANSCO, Vidyut Soudha, Hyd.
Central Record Section – 2 copies.

// FORWARDED BY ORDER//

ASSISTANT DIVISIONAL ENGINEER