



TRANSMISSION CORPORATION OF TELANGANA LIMITED

Sub: Proposal for erection of 220/33 kV GIS Substation at Nemalinagar in Rangareddy District. – Administrative approval – Accorded.

T.O.O. (CE-Construction) Ms.No.1617

Dated: 12.04.2023.

Read the following.

ORDER

The Superintending Engineer/Metro-West has submitted feasibility report for erection of 220/33kV or 132/33kV GIS Substation at Nemalinagar in Rangareddy District for an expected upcoming load of 140 MVA.

2. The Chief General Manager/Projects/TSSPDCL has furnished the 33 KV load data for erection of 132/33 kV GIS Substation at Nemalinagar in Rangareddy District.
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 the 220 kV connectivity to the proposed 220/33 kV SS Nemalinagar is observed to be technically feasible i.e., 220kV LILO of 220KV Gachibowli -Shivarampally SC line at 400/220/132KV SS Rayadurg for a LILO length of 4.65 KM and at the proposed 220/33 kV SS Nemalinagar for LILO length of 2.7 KM (UG cable).
4. The Chief Engineer/Metro Zone has furnished the field estimate for 220/33 kV GIS Substation at Nemalinagar with connected line including optical fiber communication facility.
5. After careful consideration, TSTRANSCO accords administrative approval for the above scheme at a total cost of Rs.188.38 Crores including IDC based on the field estimate as per the abstract given below

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A B S T R A C T				
S.No	DESCRIPTION	UNIT	QTY	AMOUNT (Rs. In Lakhs)
1	220/33 kV GIS Substation Nemalinagar with PTR capacity of 3x100 MVA in Rangareddy Dist.(Including cable portion)	Est.		17542.35
2	Making LILO of 220KV Shivarampally-Gachibowli OH Line to proposed 220/33KV GIS SS Nemalinagar			
i	with 220KV 1200 Sq.mm UG cable.(3km)			
ii	with OH line on 400 kV Multi circuit Monopole tower with CTT (1 No.)			
3	Providing of optical fiber communication facility			
TOTAL				17542.35
IDC (Interest During Construction)				1295.94
Grand Total including IDC				18838.29
Or Say Crores				188.38

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.779,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.
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, Comml & 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-West, 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