



TRANSMISSION CORPORATION OF TELANGANA LIMITED

SUB: Chandanvally System Improvement Scheme – 3 Nos. 500 MVA, 400/220kV ICTs and 1 No. 125 MVAR Bus Reactors required at the proposed 400/220kV Chandanvally GIS along 2 Nos. GIS Bay Extensions required for CTRLS Switching Station at proposed 400/220kV Chandanvally GIS (with 2 Nos. line GIS Bays, 1 No. ICT GIS Bay and 1 No. Reactor GIS Bay, for future provision)– Administrative approval -Accorded – Regarding

T.O.O.(CE-400kV) Ms.No.2638

Date: 31.01.2026

Ref: T.O.O.(CE-400kV) Ms.No.2637, Dt: 31.01.2026 on administrative approval for Construction of 400/220kV Chandanvally GIS (without ICTs and Reactors).

Read the following:

ORDER

TGTRANSCO has taken up the Perspective Transmission Plan from 2024-25 to 2028-29, consisting of the New 400kV, 220kV & 132kV GIS/Substations along with connected Transmission network and Augmentation of ICTs in the existing 400kV, 220kV & 132kV GIS/Substations.

2. As part of the above plan, a new 400kV GIS is proposed at Chandanvally, Shabad (Mandal), Rangan Reddy (District) as there is potential load growth at TGIIC, Chandanvally. It is to submit that, the existing 220kV Chandanvally SS is catering Power Supply to Multi-National Companies (Amazon, Microsoft, Welspan, etc) located at TGIIC, Chandanvally, Shabad (Mandal), Rangareddy (District).
3. CEA has accorded approval for the following scheme and has communicated vide MoM Dt.21.07.2025.
 - a) 400/220kV Chandanvally SS 3x500 MVA, 400/220 kV ICTs and 1x125 MVAR Bus Reactor.
 - b) LILO of other circuit of 400 kV Suryapet – Kethireddypally QMDC line at 400 kV Chandanvally SS (1 km LILO Length).
 - c) 400 kV QMDC line from upcoming 400 kV CTRLS Switching Station to proposed 400kV Chandanvally SS – 9 km.
 - d) 220 kV TMDC line from proposed 400/220 kV Chandanvally SS to existing 220 kV Chandanvally SS – 2.5 km.

- e) 220 kV SMDC line from proposed 400/220 kV Chandanvally SS to M/s Sitarampur TSIIC SEZ – 14 km
- f) 220 kV DC line from proposed 400/220 kV Chandanvally SS to M/s Chandanvally Infra Park Limited – 2 km UG Cable
- g) 220 kV DC line from proposed 400/220 kV Chandanvally SS to M/s Madhuvanti build Estate Pvt. Limited – 4 km UG Cable

4. TGTRANSCO accorded administrative approval vide T.O.O cited for Construction of 400/220kV Chandanvally GIS at Ranga Reddy District (without ICTs and Rectors) under Chandanvally System Improvement Scheme at an estimated cost of Rs.280.36 Crore and Interest During Construction (IDC) of Rs.16.82 Crore. The total cost of the Scheme including IDC is 297.18 Crore.

5. As such to establish the required Transformation Capacity, the Scheme is formulated with the following scope of works, **as per the proposed 400kV Chandanvally Site Conditions:**

- a) 3 Nos. 500 MVA, 400/220kV ICTs required at the proposed 400/220kV Chandanvally GIS
- b) 2 Nos. GIS Bay Extensions required for CTRLS Switching Station at the proposed 400/220kV Chandanvally GIS (with 2 Nos. line GIS Bays, 1 No. ICT GIS Bay and 1 No. Reactor GIS Bay, for future provision)
- c) 1 No. 125 MVAR Bus Reactor required at the proposed 400/220kV Chandanvally GIS

6. After careful examination, TGTRANSCO accords Administrative Approval for 3 Nos. 500 MVA, 400/220kV ICTs and 1 No. 125 MVAR Bus Reactors required at the proposed 400/220kV Chandanvally GIS along with 2 Nos. GIS Bay Extensions required for CTRLS Switching Station at proposed 400/220kV Chandanvally GIS (with 2 Nos. line GIS Bays, 1 No. ICT GIS Bay and 1 No. Reactor GIS Bay, for future provision) under Chandanvally System Improvement Scheme at an estimated cost of Rs. 266.93 Crore and Interest During Construction (IDC) of Rs. 16.01 Crore. The total cost of the Scheme including IDC is Rs. 282.94 Crore.

7. The Chief Engineer/ 400kV, Vidyut Soudha, Hyderabad is authorized to take up the 400kV and 220kV works and FA&CCA (Resources & Accounts) & CFO shall provide the necessary budget as per the scope of works.
8. The Scheme will be executed with financial assistance from PFC/ REC/ HUDCO/any other financial assistance or from Internal resources.
9. This Order is issued with the concurrence of the Director (Finance, Comml.,&HRD), TGTRANSCO vide Regd. No.2480, dated:22.12.2025.

Encl: Annexure

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

D.KRISHNA BHASKAR, IAS
CHAIRMAN AND MANAGING DIRECTOR

To,
The Chief Engineer/400kV, TGTRANSCO, Vidyut Soudha, Hyderabad
The FA & CCA / (Resources & Accounts) & CFO, TGTRANSCO, Vidyut Soudha, Hyd.

Copy to:
The FA &CCA (Audit and Expenditure), TGTRANSCO, Vidyut Soudha, Hyd.
The Chief Engineer/Comml.&RAC, TGTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer/P&MM, TGTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer/Construction I & II, TGTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer/Power Systems, TGTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer/SLDC, TGTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer/Transmission, TGTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer/Civil, TGTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer/Telecom, TGTRANSCO, Vidyut Soudha, Hyderabad.
The Chief Engineer/400kV, Construction, TGTRANSCO, Warangal
The Chief Engineer/Metro Zone, TGTRANSCO, Erragadda, Hyderabad.
The Superintending Engineer/400kV/Const./Metro, TGTRANSCO, Hyderabad.
The Superintending Engineer/Schemes & Designs/Construction, Vidyut Soudha/Hyd
The Superintending Engineer/Power Systems, TGTRANSCO, Vidyut Soudha, Hyd.
SE (Technl.) to CMD/TGTRANSCO/Vidyut Soudha / Hyderabad.
DE (Technl.) to Director/ Projects,TGTRANSCO, Vidyut Soudha, Hyderabad.
DE (Technl.) to Director/Grid & Transmission Management, TGTRANSCO, Hyd.
PA to Director/ Finance,Comml. &HRD, TGTRANSCO, Vidyut Soudha, Hyderabad.
The Company Secretary, TGTRANSCO, Vidyut Soudha, Hyderabad.
The Estate Officer, TGTRANSCO, Vidyut Soudha, Hyderabad.
Central Record Section - 2 copies

ANNEXURE to T.O.O. (CE-400kV) Ms.No.2638, Dt.31.01.2026

Chandanvally system improvement Scheme : 3 Nos. 500 MVA , 400/220kV ICTs and 1 No. 125 MVAR Bus Reactors required at the proposed 400/220kV Chandanvally GIS along with 2 Nos.GIS Bay Extensions required for CTRLS Switching Station at proposed 400/220kV Chandanvally GIS (with 2 Nos. line GIS Bays, 1 No. ICT GIS Bay and 1 No. Reactor GIS Bay, for future provision)

(Amount in Rs. crores)

Sl. No.	Description of Line/ Substation	No. of bays/ MVA/ MVAR	Estimated Cost
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A:400kV Transmission System:

1	400kV GIS Bay Extensions at the proposed 400/220kV Chandanvally GIS Substation (2 Nos. for CTRLS with 2 Nos. line GIS Bays, 1 No. ICT GIS Bay (400kV and 220kV) and 1 No. Reactor GIS Bay, for future provision)+ 2 Nos. Tie Bay Modules	6	Nos.	87.34
2	500MVA,400/220kV ICT	3	Nos.	119.29
3	125 MVAR, 400 kV Reactor	1	Nos.	23.71
Total of A:		230.33		

B: Communication Equipment:	LS	2.00
	Total (A+B) :	232.33

C)	Special T & P @ 1% :	2.32
	Total (A+B+C) :	234.66
D)	Contingencies (3%) :	7.04
	Total including contingencies :	241.70
E)	Estt. and other charges @ 10.75% :	25.23
	Grand Total :	266.93
	or Say (Rs. in Crores) ::	266.93
	Interest During Construction (Rs. in Crores) :	16.01
	Total (including IDC) - (Rs. in Crores) :	282.94

**Sd/-
CHIEF ENGINEER/400kV**