



Sub.: 400kV Parigi System Improvement Scheme - 220kV Transmission System - Administrative approval - Accorded – Regarding.

T.O.O.(CE-400kV) Ms.No.2643

Date: 31.01.2026

Ref.: 1) T.O.O.(CE-400kV) Ms.No.2639, dated 31.01.2026
2) T.O.O.(CE-400kV) Ms.No.2642, dated 31.01.2026

Read the following:

ORDER

TGTRANSCO conducted load flow studies for 2029-30 time frame for improvement of existing transmission network by proposing 400/220kV Substation at Parigi in Ranga Reddy District to provide alternate connectivity to 220/132kV Tandur Substation, to reduce loading on ICTs at 400/220kV Shankarpally Substation by providing connectivity to 220kV Parigi & 220kV Tandur Substations and to reduce loading on ICTs at 400/220kV Kethireddipally Substation by providing connectivity to 220kV KP Laxmidevipally LI Substation.

2. The Power systems wing vide letter Dt.04.07.2025 requested CEA to accord approval for 400/220kV Parigi Substation with 2x500 MVA 400/220kV ICTs, 1x125 MVAR Bus Reactor and 400kV & 220 kV connected lines.
3. Central Electricity Authority has considered the proposal of 400/220kV Parigi Substation and after detailed deliberations on the proposal during the joint study (along with SRPC, CTUIL & SRLDC) meeting held on 01.09.2025 through VC, approval for the proposed Scheme as below is communicated by CEA vide letter dated 03.10.2025.
 - (i) 400/220kV Parigi SS - 2x500 MVA ICTs, 1x125 MVAR Bus Reactor
 - (ii) LILO of one circuit of 400 kV Shankarpally - Kethireddypally QMDC Line at 400/220kV Parigi Substation - 35 km
 - (ii) 220kV SMDC Line from 400kV Parigi SS to 220/132kV Parigi SS - 4 km
 - (iv) 220kV TMDC line from 400kV Parigi SS to 220/11kV KP Laxmidevipalli LI Substation - 15 km
 - (v) 220kV SMDC Line from 400kV Parigi SS to 220/132kV Tandur SS- 35 km

Contd...2

4. Administrative approval for 400/220kV Parigi Substation was issued vide T.O.O. (CE-400kV) Ms.No.2639, dated 31.01.2026 was accorded for an amount of Rs.291.46 Crore including an IDC of Rs.29.47 Crore, and administrative approval for the associated 400kV Transmission Line for an amount of Rs.203.41 Crore including an IDC of Rs. 20.57 Crore was issued vide T.O.O.(CE-400kV) Ms.No. 2642 dated 31.01.2026. Accordingly, after careful examination, TGTRANSCO accords Administrative Approval for the 220kV Transmission System associated with 400kV Parigi Substation at an estimated cost of Rs.131.20 Crore and Interest During Construction (IDC) of Rs.14.76 Crore. The total cost of the Scheme including IDC is Rs.145.96 Crore.
5. The Chief Engineer/Construction-I, Vidyut Soudha, Hyderabad is authorized to take up the 220kV Transmission System works as above and FA&CCA (R&A) & CFO, TGTRANSCO shall provide the necessary budget for the subject Scheme.
6. The Scheme will be executed with financial assistance from PFC/ REC/ HUDCO/any other financial assistance or from Internal resources.
7. This Order is issued with the concurrence of the Director (Finance, Comml., & HRD), TGTRANSCO vide Regd. No.2481, 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, Hyderabad.

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 Chief Engineer/Rural Zone, TGTRANSCO, Erragadda, Hyderabad.

The Superintending Engineer/400kV/Const./Metro, TGTRANSCO, Hyderabad.

The Superintending Engineer-II/400kV, Vidyut Soudha, Hyderabad

The Superintending Engineer-III/400kV, Vidyut Soudha, Hyderabad

The Superintending Engineer/Schemes & Designs/Construction, Vidyut Soudha/Hyd

The Superintending Engineer/Power Systems, TGTRANSCO, Vidyut Soudha, Hyd.

SE/Technl. to the CMD/TGTRANSCO, Vidyut Soudha, Hyderabad.

DE/Technl. to the Director/ Projects, TGTRANSCO, Vidyut Soudha, Hyderabad.

DE/Technl. to the Director/Grid & Transmission Management, TGTRANSCO, Hyd.

PA to the Director/ Finance, Comm. & HRD, TGTRANSCO, Vidyut Soudha, Hyderabad.

The Company Secretary, TGTRANSCO, Vidyut Soudha, Hyderabad.

The Estate Officer, TGTRANSCO, Vidyut Soudha, Hyderabad.

Central Record Section - 2 copies

<u>400kV PARIGI SYSTEM IMPROVEMENT SCHEME</u>			
<u>ABSTRACT ESTIMATE :: 220kV SYSTEM</u>			
Sl. No.	Description of Work	Capacity / Line Length	Amount (Rs. in Lakhs)
A)	220kV Transmission System:		
1	220kV SMDC Line from Parigi 400/220kV SS to 220kV Parigi SS	4 km	634.84
2	220kV SMDC Line from Parigi 400/220kV SS to 220kV Tandur SS	35 km	5,554.83
3	220kV TMDC Line from Parigi 400/220kV SS to 220kV KP Laxmidevipally LI SS	15 km	3,904.61
4	220kV Bay extensions at Parigi, Tandur & KP Laxmidevipally 220kV Substations	6 Nos	1,193.64
B)	Communication System :		100.00
ABSTRACT			
A)	220kV Transmission System:		11,287.92
B)	Communication System :		100.00
	TOTAL :		11,387.92
C)	Special T & P @ 1% :		113.88
	Total including Special T&P :		11,501.80
D)	Contingencies @ 3% :		345.05
	Total including Contingencies :		11,846.85
E)	Estt. and other charges @ 10.75% :		1,273.54
F)	Grand Total :		13,120.39
	or Say (Rs. in Crores) ::		131.20
G)	Interest During Construction (Rs. in Crores) :		14.76
H)	Total (including IDC) - (Rs. in Crores) :		145.96

Sd/-
CHIEF ENGINEER / 400kV