



TRANAMMISSION CORPORATION OF TELANGANA LIMITED

400kV Bus Split arrangement with outdoor GIS sectionaliser on Bus-I & Bus-II between Dia 4 & 5 at 400kV Maheshwaram SS for controlling High short circuit current level at 400/220kV Maheshwaram SS - Administrative Approval - Accorded.

T.O.O.(CE-400kV) Ms.No.2539

Dt:13.10.2025

Ref:1. File No.CEA-PS-12-14(12)/1/2018-PSPA-II Division 1322 I/24122/2022, Dt:17.10.2022.

2. CTU/S/00/37th CMETS-SR, Dt: 23.05.2025.

PROCEEDINGS:

1. Central Electricity Authority (CEA) has accorded the following approval for controlling High short circuit current level at 400kV Maheshwaram SS vide reference 1st cited
 - i) 400kV Bus Split arrangement on Bus-I & Bus-II between Dia 4 & 5 at 400kV Maheshwaram SS for controlling High short circuit current level at 400kV Maheshwaram SS.
 - ii) Erection of 12 Ohms fault limiting Series Reactor on both the circuits of 400kV Maheshwaram (PGCIL)-Maheshwaram(TG) - I & II feeders at 400kV SS Maheshwaram (TG) end.
2. After detailed deliberations, in the 37th CMETS-SR (Consultation Meeting for Evolving Transmission Schemes in Southern Region) it was agreed that for better coordination and timely implementation of the fault limiting series reactors, the scheme may be implemented under ISTS by single entity for control of high short circuit levels at Maheshwaram (TGTRANSCO) and Maheshwaram (PGCIL) substations.

ISTS scope :

- Installation of 12 ohms fault limiting series reactor on Line-1 at Maheshwaram (TGTRANSCO) end of Maheshwaram (PGCIL) – Maheshwaram (TGTRANSCO) 400kV (Quad) D/c line.

- Installation of 12 ohms fault limiting series reactor on Line-2 at Maheshwaram (PGCIL) end of Maheshwaram (PGCIL) - Maheshwaram (TGTRANSCO) 400kV (Quad) D/c line

TGTRANSCO scope:

- Bus Split arrangement at 400/220kV Maheshwaram (TGTRANSCO) substation.
3. Thus, TGTRANSCO has proposed for "Supply and Erection of 400kV Bus Split arrangement with outdoor GIS sectionaliser on Bus-I & Bus-II between Dia 4 & 5 at 400kV Maheshwaram SS for controlling High short circuit current level at 400kV Maheshwaram SS as per the minutes of 37th CMETS-SR.
 4. After careful examination, TGTRANSCO accords Administrative approval for "Supply and Erection of 400kV Bus Split arrangement with outdoor GIS sectionaliser on Bus-I & Bus-II between Dia 4 & 5 at 400kV Maheshwaram SS for controlling High short circuit current level at 400kV Maheshwaram SS at an estimated cost of Rs.19.12 Crores and Interest During Construction of Rs. 2.16 Crores. The total cost of the scheme including IDC is Rs.21.28 Crores as per the Annexure enclosed.
 5. Chief Engineer/400kV/Vidyut Soudha is here by authorized to take up the above 400kV Bus Split arrangement at 400kV Maheshwaram and shall provide the necessary budget as per the scope.
 6. The scheme will be executed with capital funds of TGTRANSCO/ Loan sanctioned by REC/PFC/any other Financial Agencies.
 7. This order is issued with the concurrence of the Director /FINANCE/ TGTRANSCO vide Regd.No.161, Dt: 11.07.2025

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

Encl: Annexure

Sd/-

D.KRISHNA BHASKAR, IAS
CHAIRMAN AND MANAGING DIRECTOR

To:

- 1) Chief Engineer/400kV/TGTRANSCO/Vidyut Soudha, Hyderabad.

Copy to :

- 2) Chief Engineer/Transmission/TGTRANSCO/Vidyut Soudha/Hyderabad.
- 3) Chief Engineer/Construction/TGTRANSCO/Vidyut Soudha/Hyderabad.
- 4) Chief Engineer/SLDC/TGTRANSCO/Vidyut Soudha/Hyderabad.
- 5) Chief Engineer/Power Systems/TGTRANSCO/Vidyut Soudha/Hyderabad
- 6) Chief Engineer/P&MM/TGTRANSCO/Vidyut Soudha/Hyderabad.
- 7) FA&CCA (Accounts & CFO)/TGTRANSCO/Vidyut Soudha/Hyderabad.
- 8) Chief Engineer/Telecom/TGTRANSCO/Vidyut Soudha/Hyderabad.
- 9) Chief Engineer/Metro Zone/TGTRANSCO/Hyderabad.
- 10) Chief Engineer/Civil/TGTRANSCO/ Vidyut Soudha/Hyderabad.
- 11) SE(T) to the CMD/TGTRANSCO/Vidyut Soudha/Hyderabad.
- 12) DE(T) to the Director(Projects)/TGTRANSCO/VS/Hyd.
- 13) DE(T) to the Director (Grid and Transmission Management)/TGTRANSCO/
Vidyut Soudha/Hyd.
- 14) P.S.to the Director (Finance)/TGTRANSCO/ Vidyut Soudha /Hyd.
- 15) Superintending Engineer/400kV/Const./TGTRANSCO/ Metro
- 16) Central Record Section-2copies.

//FORWARDED BY ORDER//

 13/10/21

SUPERINTENDING ENGINEER-III/
400kV/TGTRANSCO/Vidyut Soudha.

ANNEXURE

to

T.O.O.(CE-400kV) Ms.No.2539, Dt: 13.10.2025

Cost data for Supply and Erection of 400kV Bus Split arrangement with outdoor GIS Bus Sectionaliser on Bus-I & Bus-II between Dia 4 & 5 at 400kV Maheshwaram SS for controlling High short circuit current level at 400/220kV Maheshwaram SS.

Sl. No.	Description	Amount in Rs.
1	Cost estimates for Supply and Erection of 400kV Bus Split arrangement with outdoor GIS Bus Sectionaliser on Bus-I & Bus-II between Dia 4 & 5 at 400kV Maheshwaram SS for controlling High short circuit current level at 400/220kV Maheshwaram SS.	16,66,10,506.00
2	Provisions	
i.	Special (T& P)@1 % on Sl.No.(1)	16,66,105.06
ii.	Contingencies @ 3% on Sl.No.(1)	49,98,315.18
iii.	Establishment and Other Overhead Charges@10.75% on Sl.No.(1)	1,79,10,629.39
3	Sub total 2 (i+ii+iii)	2,45,75,049.63
4	Total Scheme Cost (Sl.No.1+Sl.No.3)	19,11,85,555.63
5	Total Scheme Cost (Sl.No.1+Sl.No.3) Rs. in Crores	19.12
6	Interest During Construction (Rs. in Crores)	2.16
7	Total Scheme Cost including IDC (Rs. in Crores) (Sl.No.5 + Sl.No.6)	21.28

Sd/-
Chief Engineer/400kV

//FORWARDED BY ORDER//


13/10/25
SUPERINTENDING ENGINEER-III/
400kV/TGTRANSCO/Vidyut Soudha.