



TRANSMISSION CORPORATION OF TELANGANA LIMITED
VIDYUT SOUDHA :: HYDERABAD – 500 082. Off: PABX:040-23396000
Website:www.tstransco.in CIN No:U40102TG2014SGC094248

Augmentation of 132/33KV PTRs at 132 KV Khaithalapur SS & 220 KV Bhongir SS – Administrative Approval -Regarding.

T.O.O. CE (Transmission) Ms. No. 1537

Dt. 21 .12.2022.

Read the following

ORDER:

132 KV Khaithalapur SS: The 132 KV Khaithalapur SS is having 1x80+1x31.5 MVA PTRs and 10 Nos. 33KV feeders. The maximum station demand reached is 91 MVA in May 2022 i.e 89.2% of station capacity of 111.5 MVA. Further the substation is located in prime location where commercial and residential zones are developing rapidly at near proximity of substation and also load centre for all 33KV feeders of Kukatpally, Kondapur and Madhapur areas of Greater Hyderabad, there is high scope of demand for requirement of new additional 33KV feeders at 132KV SS Khaithalapur in near future.

2) **220 KV SS Bhongir SS:** The 220KV SS Bhongir SS has 2x50 MVA 132/33KV PTRs and 7 Nos. 33KV feeders which are domestic cum agricultural feeders. The Maximum load reached so far is 86.79 MVA on 02.04.2021 at 6:00 Hrs at 132/33 KV Level. The demand for the load is increasing at 220 KV Bhongir due to Basawapur reservoir and availability of ground water.

3) After careful examination, TSTRANSCO accords approval for Augmentation of 132/33KV PTRs at 132 KV Khaithalapur SS & 220 KV Bhongir SS in order to meet load growth in domestic, commercial & Agriculture loads and to maintain reliable power supply to customers for round the clock as detailed below:

- i. Augmentation of PTR capacity from 1x31.5+1x80 MVA to 2x80 MVA at 132 KV SS Khaithalapur and Augmentation of PTR capacity from 2x50 MVA to 1x80+1x50 MVA at 220 KV SS Bhongir SS.

Sl. No.	Name of the Substation	Existing PTR Capacity in MVA	Proposed Capacity in MVA	Increase of Capacity in MVA	Amount in Rs. In Lakhs
1	132 KV SS Khaithalapur	1x80+1x31.5	2x80	48.5	22.98
2	220 KV SS Bhongir	2x50	1x80+1x50	30	26.56
Total in Rs in Lakhs					49.54

Contd...2.

- ii. The Chief Engineer/Metro and Rural zones are authorized to take up the works of augmentation at 132 KV Khaithalapur SS & 220 KV Bhongir SS respectively as per the delegation of powers in vogue.
 - iii. The FA&CCA(Accounts) & CFO to arrange necessary budget from TSTRANSCO funds
 - iv. Scheme code shall be provided and capital budget shall be allocated during 2022-23 and for the subject scheme for the Metro zone & Rural zone.
 - v. The Chief Engineer/P&MM for procurement of associated equipment / material, as per the Cost data.
- 3) This order is issued with the concurrence of the Joint Managing Director (Fin., Comml. & HRD) vide Regd. No.5272, Dt: 20.12.2022.

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

D. PRABHAKAR RAO
Chairman & Managing Director

To

The Chief Engineer/ Transmission/ TSTRANSCO/VidyutSoudha/Hyderabad.
The Chief Engineer/P &MM/TSTRANSCO/VidyutSoudha/Hyderabad.
The FA & CCA (Accounts) /TSTRANSCO/VidyutSoudha, Hyderabad.
The Chief Engineer/Metro zone/ TSTRANSCO
The Chief Engineer/Rural zone/ TSTRANSCO

Copy communicated to:

The Chief Engineer/Comml, &RAC/TSTRANSCO/VidyutSoudha/ Hyderabad.
The Chief Engineer/SLDC/TSTRANSCO/VidyutSoudha/ Hyderabad.
The Chief Engineer/Construction/TSTRANSCO/VidyutSoudha/Hyderabad.
The Chief Engineer/Power Systems/TSTRANSCO/VidyutSoudha/ Hyderabad.

Copy to

The Superintending Engineer /OMC/Metro west/TSTRANSCO.
The Superintending Engineer /OMC/Nalgonda/TSTRANSCO.
The Superintending Engineer/Operation/Masterplan/TSSPDCL.
The Superintending Engineer/Operation/Bhongir/TSSPDCL
The SE (Technical) to the CMD/TSTRANSCO/VidyutSoudha / Hyderabad.
The DE(Technical) to the CMD /TSSPDCL/Hyderabad.
The DE(Technical) to the Director / Projects / TSTRANSCO/VidyutSoudha/ Hyderabad
The DE(Technical) to the Director (Transmission)/TSTRANSCO/ VidyutSoudha/ Hyderabad.
The ADE/(Technical) to the Director (LIS)/TSTRANSCO/VidyutSoudha/ Hyderabad.
The AE (Technical) to the Director/ Grid Operation/TSTRANSCO/VidyutSoudha/ Hyderabad.
PA to the JMD(Fin.Comml,& HRD)/TSTRANSCO/ VidyutSoudha/ Hyderabad.

Current File:CE(Tr)/SE(Tr)/DE(SS)/ADE-2/File No.2517/22/D.No. 650 /22, Dt: 21 .12 .2022

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