



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

Augmentation of PTR Capacities at i) 132 KV Yerrabelli SS from 1x16+1x 31.5 MVA to 2x31.5 MVA, ii) 220 KV Waddekothapally SS from 2 x 50 MVA to 2 x 50 + 1 x 31.5 MVA, iii) 132 KV Ghanpur SS from 1x50 + 1x31.5 MVA to 2 x 50 MVA and iv) 132 KV Inavole SS from 2x16 MVA to 1x16 + 1x31.5 MVA- Administrative Approval -Regarding.

T.O.O. CE (Transmission) Ms. No. 152

Dt. 18.07.2018.

PROCEEDINGS:

Read the following:

The Hon'ble Chief Minister of Telangana have commenced the State Prestigious Project 24 Hrs. agricultural supply from 01.01.2018. Due to the implementation of 24:00 Hrs Agricultural supply and increase of ground water level, the loads at i)132 KV Yerrabelli SS ii) 220 KV Waddekothapally SS iii) 132 KV Ghanpur SS and iv) 132 KV Inavole SS raised drastically and PTRs are over loaded. Details are as follows:

i) **132 KV Yerrabelli SS:** Much difficulty is experienced in the event of pre-arranged shutdown on 31.5 MVA PTR at 132 KV Yerrabelli SS. Hence, the Superintending Engineer/ OMC/ Nalgonda vide Lr Dt. 17.11.17 has requested to arrange for augmentation of PTR capacity at 132 KV Yerrabelli Substation from 1 x 10/16+1 x 31.5 MVA to 2 x 31.5 MVA to maintain the reliable power supply to the consumers.

ii) **220 KV Waddekothapally SS:** The Superintending Engineer/OMC/Warangal vide Lr.Dt.12.01.2018 has informed that the expected agricultural loads at the 220 KV Waddekothapally Sub-station are 25 MVA through the 33 KV feeders of the TSNPDCL viz., a) Bommakallu-5MVA, b) Ramavaram-5MVA, c) Edunuthula-5MVA, d) Nirmala-5MVA and e) Oglapur-5MVA. Further, 220 KV Budidampadu I&II and Bhongiri- I&II line current carrying capacity is also increasing. Hence, requested for augmentation of PTR capacity at 220 KV Waddekothapally SS from 2x50 MVA to 3 x 50 MVA.

iii) **132 KV Ghanpur SS:** At 132KV Ghanpur SS the station load reached 1360A on 29.12.2017 at 11:00 Hrs. During the review meeting held on 11.01.2018, the Chairman & Managing Director/ TSNPDCL has instructed for Augmentation of PTR capacity from 1x50 + 1x31.5 MVA to 2 x 50 MVA at 132KV Ghanpur SS in Jangaon District. Further, the SE/Operation/ Jangaon has also requested vide Lr. Dt.10.02.2018 for Augmentation of 2nd PTR capacity in view of upcoming I & CAD Loads of 2.7 MW and 9.4 MW to M/s.EMI-5 RS Ghanpur pump house at Chagal(V) and Rajavaram(V). In view of the above and to meet the 24 Hrs. Agl. Supply and to cater upcoming addl. Loads of I & CAD loads, it is requested to enhance the 2nd PTR from 31.5 MVA to 50 MVA at 132/33 KV SS Ghanpur.

iv) **132 KV Inavole SS:** The Chief Engineer/ Warangal vide Lr.Dt. 20.03.2018 has submitted that the 132/33 KV Inavole SS was charged in the month of January 2018 with 2x16 MVA PTRs with 4 Nos. 33KV out going feeders. Out of the 4 Nos. feeders, only 2 Nos. 33KV feeders are charged and are in service. In the month of February'2018 the station maximum demand reached to 21.45 MVA at 16:00 Hrs. on 26.02.2018. Further, it is also submitted that 2 Nos. 33 KV Bays the line construction works are under progress by TSNPDCL. If they add to the system, the existing

capacity may not be sufficient to meet the further required demand. Hence, it is requested to arrange the augmentation of PTRs from 2x16 MVA to 1x16 + 1x31.5 MVA to meet the future connected loads.

2) In view of the above and after careful consideration, TSTRANSCO accords approval for the following:

a) Augmentation of PTR capacities at following substations, so as to avoid over loading of existing Transformers to avoid load relief / avoid power cuts and to meet the growing load demand.

Sl. No.	Name of the SS	Existing PTR Capacity in MVA	Proposed Capacity in MVA	Amount in Rs. In Lakhs
1	132 KV Yerrabelly SS	1x16 + 1x31.5	2x31.5	105.65
2	220 KV Waddekothapally SS	2x50	2x50 + 1x31.5	279.25
3	132 KV Ghanpur SS	1x50 + 1x31.5	2x50	176.63
4	132 KV Inavole SS	2x16	1x16 + 1x31.5	106.78
	Total			668.31
	Say			668 Lakhs

b) The Chief Engineer/P & MM /TSTRANSCO shall procure the PTRs and associated equipment required for taking-up the augmentation works.

c) The FA&CCA (Accounts) shall arrange funding tie-up with financial Institutions/ Banks for the above works.

d) The Chief Engineer/Rural andthe Chief Engineer/Warangal /TSTRANSCO will be authorized to execute the work by calling tenders, as per departmental procedures.

e) The scheme will be taken up during 2018-2019.

3) This order is issued with the concurrence of the Joint Managing Director (Fin., Comml., & HRD) vide Regd. No. 3121, Dt: 13.07.2018.

(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/Rural Zone/ TSTRANSCO.

The Chief Engineer/Warangal Zone/ TSTRANSCO.

Copy to:

The Executive Director / Finance /TSTRANSCO/VidyutSoudha/Hyderabad
The Chief Engineer/Comml., &RAC/TSTRANSCO/VidyutSoudha/ Hyderabad.
The Chief Engineer/SLDC/TSTRANSCO/VS/ Hyderabad.
The Chief Engineer/400KV /TSTRANSCO/VS/Hyderabad.
The Chief Engineer/Construction /TSTRANSCO/VS/Hyderabad.
The Superintending Engineer/Construction/VS/Hyderabad.
The Superintending Engineer/Schemes&Designs,/Construction/VS/Hyderabad
The Superintending Engineer/Power Systems/TSTRANSCO/VS/ Hyderabad.
The Superintending Engineer/P&MM/TSTRANSCO/VS/Hyderabad.
The Superintending Engineer /OMC/Nalgonda/TSTRANSCO.
The Superintending Engineer /OMC/Warangal /TSTRANSCO.
The Superintending Engineer /Civil /TSTRANSCO/VS/Hyderabad.
The Superintending Engineer/Civil/ Rural /Hyderabad.
The Superintending Engineer/Civil/ Warangal /Hyderabad.
The Superintending Engineer/Operation/Nalgonda /TSSPDCL
The Superintending Engineer/Operation/Jangaon /TSNPDCL
The Superintending Engineer/Operation/Warangal/TSNPDCL
The Divisional Engineer II & III/Construction, O/o CE/Construction/VS/Hyderabad.
The SE (Technical) to CMD/TSTRANSCO/VS/ Hyderabad.
The DE(Technical) to CMD /TSNPDCL/Hyderabad.
The DE(Technical) to CMD /TSSPDCL/Hyderabad.
The DE (Technical) to Director/Projects & Grid Operation/TSTRANSCO/VS/ Hyderabad.
DE(T) to Director (Transmission)/TSTRANSCO/ VidyutSoudha/ Hyderabad.
The ADE/T to Director (LIS)/TSTRANSCO/VidyutSoudha/ Hyderabad.
PA to JMD (Fin.Comml, & HRD)/TSTRANSCO/ VidyutSoudha/ Hyderabad.

Current File:CE(Tr.)/SE(Tr.)/DE(SS)/ADE-2/F. 6961/2017/D.No. 577/18, Dt: 18 .07.2018

//Forwarded By Order //

Divisional Engineer-SS

Energy saved is energy produced // Electricity saved is electricity produced