



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

Augmentation of Transformer capacities at various EHT substations in Rural and Warangal zones viz., (i) 132KV Jadcherla SS from 2x31.5 MVA to 1x50+1x31.5 MVA, (ii) 132 KV Ramapuram SS from 1x31.5+1x16 MVA to 2x31.5 MVA, (iii) 132 KV Wardhannapet SS from 1x50+ 1x31.5 MVA to 2x50 MVA (iv) 132KV Inavole SS from 1x31.5+1x16 MVA to 2x31.5 MVA and (v) 132KV Arempula SS from 3x16 MVA to 2x16+1x31.5 MVA- Administrative Approval – Requested-Regarding.

**T.O.O. (CE-Transmission) Ms. No. 253**

**Dt.19. 11.2018.**

**PROCEEDINGS:**

**Read the following:**

In view of implementation of 24 Hrs agricultural supply to farming sector and to meet the upcoming loads the Chief Engineer / Transmission has submitted the following Augmentation proposals in respect of following EHT substations, as per the proposals received from the field:

**i) 132KV Jadcherla SS (2x31.5 MVA to 1x50+1x31.5 MVA) :**The Superintending Engineer / OMC / Mahaboobnagar has requested for Augmentation of PTR capacities at 132KV Jadcherla SS from 2x31.5 MVA to 1x50+1x31.5 MVA for avoiding overloading problems, upcoming loads of 18.0 MVA for 33/11 KV Sub-Stations and industrial loads. Hence, in order to cater the future loads and to carry out regular maintenance works on existing PTRs, augmentation of PTRs from 3x50 MVA to 1x80+ 2x50 MVA is requested vide Lr. Dt. 03.10.2018 once again.

**ii) 132 KV Ramapuram SS (1x31.5+1x16MVA to 2x31.5MVA):** The Superintending Engineer/OMC/Nalgonda has requested for the Augmentation of Power Transformers Capacities at 132 KV Ramapuram SS from 1x31.5+1x16 MVA to 2x31.5 MVA, to cater the future Lift irrigation loads at Ramapuram Substation as per the I & CAD requirement..Hence, requested to arrange for augmentation of PTR capacity at 132 KV Ramapuram SS from 1x31.5+ 1x16 MVA to 2x31.5 MVA, in order to cater to future loads once again vide Lr. Dt. 23.03.2018.

**iii) 132 KV Wardhannapet SS(1x50+ 1x31.5 MVA to 2x50 MVA):** The Superintending Engineer / OMC / Warangal vide Lr dated. 12.01.2018 has submitted that the Substation maximum load reached on the PTRs is 80.1MVA about 98 % on 29. 12. 2017 at 8:00 Hrs. Further 03 No. upcoming Feeders viz., Keshavapur- 5MVA, Thirumalayapally -5MVA and Kakkiralapally-5MVA, are going to be added to the Sub-station. Accordingly, the Superintending Engineer/OMC/Warangal vide Lr.Dt:01.10.2018 has once again requested for augmentation of Power Transformers at 132 KV Wardhannapet SS from 1x31.5+1x50 MVA to 2x50 MVA, to cater the future loads urgently to the 132KV Wardhannapet Substation.

**iv) 132 KV Inavole SS (1x31.5+1x16 MVA to 2x31.5 MVA).**The Superintending Engineer / OMC/Warangal vide Lr. Dt. 24.09.2018 has submitted that on 10.09.2018 at 13:00 Hrs. the Station maximum demand was recorded as 29.22 MVA with the existing 3 Nos. feeders. Further, 33KV Kondaparthi feeder(14 MW) under construction, to be connected to substation soon by TSNPDCL. Hence, requested to arrange for augmentation of PTR capacity at 132 KV Inavole SS from 1x31.5+1x16 MVA to 2x31.5 MVA, in order to cater to future loads and to carry out regular maintenance works on existing PTRs.

**v) 132KV Arempula SS (3x16 MVA to 2x16+1x31.5 MVA):**The Chairman and Managing Director/ TSNPDCL has addressed a Lr. Dt: 16.08.2018 to the Director / Transmission, requesting for enhancement of 10/16 MVA PTR to 31.5 MVA at 132KV Arempula SS, duly utilizing the 31.5 MVA PTR, going to be released at 132 KV Manuguru SS. Further, the Chairman and Managing Director / TSNPDCL has addressed a letter (Dt: 29.09.2018) to the Chairman and Managing Director / TSTRANSCO once again for enhancement of PTR capacity from 10/16 to 31.5 MVA at 132/33 KV SS Arempula, in Khammam District.

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

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

Sl. No.	Name of the Substation	Existing PTR Capacity in MVA	Augmented PTR Capacity in MVA	Amount in Rs. In Lakhs
(1)	(2)	(3)	(4)	(5)
1	132KV Jadcherla SS	2x31.5	1x50+1x31.5	99.28
2	132 KV Ramapuram SS	1x31.5 + 1x16	2x31.5	77.37
3	132 KV Wardhannapet SS	1x50+1x31.5	2x50	105.19
4	132 KV Inavole SS	1x31.5 + 1x16	2x31.5	58.66
5	132KV Arempula SS	3x16	2x16+1x31.5	61.69
	<b>Total</b>			<b>402.19</b>

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

c) The FA&CCA (Accounts) shall allocate for Capital budget for an amount of Rs.402.19 Lakhs from TSTRANSCO funds.

d) The Chief Engineer/ Rural and the Chief Engineer/Warangal /TSTRANSCO shall be authorized to execute the works by calling open tenders, as per departmental procedures, duly drawing the centralized equipment / material from TSTRANSCO stores.

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

4) This order is issued with the concurrence of the Joint Managing Director (Fin., Comml., & HRD) vide Regd. No. 2128 Dt: 30.10.2018.

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

**D.PRABHAKAR RAO**  
**Chairman & Managing Director**  
**TSTRANSCO**

**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/RuralZone/ 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/VidyutSoudha/ Hyderabad.  
The Chief Engineer/400KV /TSTRANSCO/VidyutSoudha/Hyderabad.  
The Chief Engineer/Construction /TSTRANSCO/VidyutSoudha/Hyderabad.  
The Superintending Engineer/Construction/VidyutSoudha/Hyderabad.  
The Superintending Engineer/Schemes& Designs/Construction/VidyutSoudha/Hyderabad  
The Superintending Engineer/Power Systems/TSTRANSCO/VidyutSoudha/ Hyderabad.  
The Superintending Engineer/P&MM/TSTRANSCO/VidyutSoudha/Hyderabad.  
The Superintending Engineer /OMC/Mahaboobnagar/TSTRANSCO.  
The Superintending Engineer /OMC/ Nalgonda /TSTRANSCO.  
The Superintending Engineer /OMC/Warangal/TSTRANSCO.  
The Superintending Engineer /OMC/Khammam/TSTRANSCO.  
The Superintending Engineer /Civil /TSTRANSCO/VidyutSoudha/Hyderabad.  
The Superintending Engineer/Civil/ Rural /Hyderabad.  
The Superintending Engineer/Civil/ Warangal/Hyderabad.  
The Superintending Engineer/Operation/ Mahaboobnagar /TSSPDCL  
The Superintending Engineer/Operation/ Nalgonda /TSSPDCL  
The Superintending Engineer/Operation/ Warangal/TSNPDCL.  
The Superintending Engineer/Operation/Khammam/TSNPDCL  
The SE (Technical) to CMD/TSTRANSCO/VidyutSoudha / Hyderabad.  
The DE(Technical) to CMD /TSNPDCL/Hyderabad.  
The DE(Technical) to CMD /TSSPDCL/Hyderabad.  
The DE(Technical) to Director / Projects TSTRANSCO/VidyutSoudha/ Hyderabad  
The DE(Technical) to Director (Transmission)/TSTRANSCO/ VidyutSoudha/ Hyderabad.  
The ADE/(Technical) to Director (LIS)/TSTRANSCO/VidyutSoudha/ Hyderabad.  
The AE (Technical) to Director/ Grid Operation/TSTRANSCO/VidyutSoudha/ Hyderabad.  
PA to JMD(Fin.Comml,& HRD)/TSTRANSCO/ VidyutSoudha/ Hyderabad.

**Current File:CE(Tr.)/SE(Tr.)/DE(SS)/ADE-2/F. 7666/2018/ D.No. 927/18, Dt: 19.11.2018**

//Forwarded By Order //

Sd/-  
Divisional Engineer-SS

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