

## **TRANSMISSION CORPORATION OF TELANGANA LIMITED**

Sub: Administrative approval for erection of 132/33 kV Sub-Station Padmanagar (V) in Karimnagar District – Accorded

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**T.O.O (CE-Construction) Ms. No.254**

**Dated: 26.11 2018.**

Read the following

### **O R D E R**

1. The proposal for erection of 132/33 kV Sub-Station Padmanagar (V) in Karimnagar District was received from the Chairman and Managing Director TSNPDCL/ Warangal as the existing 132/33 KV SS Vaavilalapally in Karimnagar feeds most of the loads of Karimnagar town. This 132/33 KV Sub-Station has single 132 KV incoming feeder. Further stated that, IT hub is going to be established in the town. The city is recognized for tourism development with manair riverfront as center of attraction. Loads are also expected with increased activities in the town. With the present 132/33 KV SS maintenance of uninterruptable reliable supply to the city in near future will be complex.
2. The Superintending Engineer/OMC/Karimnagar has stated that 3<sup>rd</sup> power transformer was erected under the programme of 9 hours supply to agriculture sector and there is no space available at 132 KV SS Karimnagar for bay extension. It was mentioned that the proposed line corridor was utilized & erected with central lighting system by the municipal corporation and the laying of earlier approved 132 KV line to Karimnagar SS is not possible. Further, it was reported as follows.
  - a) Carrying out improvements suggested by power systems wing is difficult due to certain field and load conditions on the said 33 KV feeders.
  - b) Increasing the capacity of conductor of the 132 KV SC line from 220/132/33 KV SS Durshed to 132/33 KV SS Karimnagar by replacing the existing panther conductor by HTLS conductor is also not feasible due to practical field constraints in executing the work.
  - c) Executing LILO of 132 KV Durshed-Siricilla line to 132/33 KV substation Karimnagar is also not feasible as per the present day conditions.

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3. In view of the above circumstances, the new 132/33 KV substation at Padmanagar is required to meet the existing & upcoming load demand in the Karimnagar town.
4. Further, the Chief Engineer/ Power Systems has conducted the load flow studies for 132 KV connectivity and stated that "making LILO of 132 KV line from 220/132 KV Durshed SS to the 132/33 KV Siricilla SS at newly proposed 132/33 KV Padmanagar SS with a LILO length of 7KM is found to be technically feasible"
5. The Chief Engineer, Telecom has furnished the detailed cost estimate for providing Optical Fiber Communication facility to the Proposed 132/33KV Padmanagar SS for an amount of Rs.194.69 lakhs.
6. After careful consideration, TSTRANSCO accords administrative approval for the above scheme at a total cost of Rs.1929.00 Lakhs considering latest approved material / equipment rates with 10% of price escalation & GST @ 18% as per the break up detailed below :

**ABSTRACT**

S.No.	DESCRIPTION	UNIT	QTY	RATE (Rs. In Lakhs)	AMOUNT (Rs. In Lakhs)
1	Erection of 132/33 kV Sub-Station Padmanagar (V) in Karimnagar District with 2X10/16 MVA PTR capacity	No.	1	1041.00	1041.00
2	LILO of 132 KV Line (one circuit) from 220/132 KV SS Durshad to the 132/33 KV SS Siricilla to proposed 132/33 KV SS Padmanagar	KM	7	99.00	693.00
3	Providing of Optical Fibre Communication Facility	LS	LS	194.69	194.69
	<b>Total</b>				1928.69

**Or Say Rs. 1929.00 Lakhs**

7. The scheme will be executed with the financial assistance from Funding Agencies and with TSTRANSCO funding in case full loan is not sanctioned.

8. The Chief Engineer/ Construction is hereby authorized to take up the above works after funding tie-up. This authorization is issued with the concurrence of Joint Managing Director (Fin,Comml & HRD) vide Regd. No.4378, Dated.10.10.2018.
9. In exercise of the powers conferred by G.O. Ms. No. 26 dated 03.09.2015, TSTRANSCO or their authorized representatives shall have the powers that the Telegraphic Authority possesses under the provision of the Indian Telegraph Act 1885 (13 of 1885) for placing of any wires, poles, towers etc., for Transmission of electricity or for the purpose of telephonic or telegraphic communication facility necessary for the proper coordination of the works of the TRANSCO.

**BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF TELANGANA LIMITED**

**Sd/-  
D.PRABHAKAR RAO  
CHAIRMAN & MANAGING DIRECTOR**

To,  
The Chief Engineer, Construction, TSTRANSCO, Vidyut Soudha, Hyderabad.

Copy to:

The Chairman & Managing Director, TSNPDCL, Warangal  
The Executive Director (LIS), TSTRANSCO, Vidyut Soudha, Hyderabad.  
The Chief Engineer, Comml & RAC, TSTRANSCO, Vidyut Soudha, Hyderabad  
The Chief Engineer, Power systems, TSTRANSCO, Vidyut Soudha, Hyderabad  
The Chief Engineer, Transmission, TSTRANSCO, Vidyut Soudha, Hyderabad  
The Chief Engineer, Karimnagar Zone, TSTRANSCO, Karimnagar.  
The Chief Engineer, Telecom, TSTRANSCO, Vidyut Soudha, Hyderabad  
The Chief Engineer, P & MM, TSTRANSCO, Vidyut Soudha, Hyderabad.  
The Executive Director (Finance), TSTRANSCO, Vidyut Soudha, Hyderabad.  
The FA & CCA (Accounts & CFO), TSTRANSCO, Vidyut Soudha, Hyderabad  
The Superintending Engineer, OMC Circle, TSTRANSCO, Karimnagar.  
The Superintending Engineer, Operation Circle, TSNPDCL, Karimnagar.  
The Superintending Engineer/Construction-I, TSTRANSCO, Vidyut Soudha, Hyderabad  
The Divisional Engineer-3/SE/Const-I/O/o CE/Const. TSTRANSCO, Vidyut Soudha, Hyd  
SE/T to Chairman & Managing Director, TSTRANSCO, Vidyut Soudha, Hyderabad  
PS to the Chairman & Managing Director, TSTRANSCO, Vidyut Soudha, Hyderabad  
PS to the Joint Managing Director, Fin, Comml & HRD, TSTRANSCO, VS, Hyderabad  
DE/T to Director, Transmission, TSTRANSCO, Vidyut Soudha, Hyderabad  
DE/T to Director, Projects, TSTRANSCO, Vidyut Soudha, Hyderabad  
ADE/T to Director, Lift Irrigation Schemes, TSTRANSCO, Vidyut Soudha, Hyderabad.  
AE/T to Director Grid Operation, TSTRANSCO, Vidyut Soudha, Hyderabad  
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