



## TRANSMISSION CORPORATION OF TELANGANA LIMITED

Sub: Providing of 132 kV features at existing 220/33 kV Sub Station Nagaram in Warangal Urban District – Administrative approval – Accorded.

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**T.O.O (CE-Construction) Ms.No.1212**

**Dated:07.10.2021.**

Read the following

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

The Chief Engineer/ Warangal Zone has submitted the proposal for providing of 132KV features at 220/33KV SS Nagaram with extension of 220 kV Quad Bus and by providing of 2 No's 100 MVA PTR's and making LILO of 132 kV Warangal-Kamalapur/ Jammikunta line and 132 KV Warangal - Kalvasrampur line to existing 220 kV SS Nagaram and erection of 132 kV DC line from 220/33 kV SS Nagaram to 132/33 kV SS Waddepally by erection of 132 kV normal bay and 132 kV GIS bay at 132 kV SS Waddepally for system improvement and to overcome constraints at various EHT Substations

2. The Chief Engineer/ Power systems has conducted the load flow studies and communicated the study report stating that, "considering load reduction of about 30MW on each 220 kV feeder from 220 kV Warangal SS to 220 kV Nagaram SS which comply (N-1) contingency requirement, providing of 132kV features at 220kV Nagaram SS with (i) 2x100MVA PTRs and making (ii) LILO of 132kV Warangal –Kamalapur / Jammikunta line (iii) LILO of 132 kV Warangal- Kalvasrampur line to existing 220 kV Nagaram SS and (iv) Erection of 132kV DC line from 220kV Nagaram SS to 132/33 kV Waddepally SS is observed to be technically feasible".
3. The Chief Engineer/ Telecom has furnished the cost estimate for providing of OFC communication facility to the proposal for providing of 132 kV features at existing 220/33 kV SS Nagaram for an amount of Rs.223.66 Lakhs.
4. After careful consideration, TSTRANSCO accords administrative approval for the above scheme at a total cost of Rs.58.98 Crores including IDC considering latest approved material / equipment rates with 10% price escalation & GST @ 18% as per the abstract.

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A B S T R A C T					
S.No	DESCRIPTION	UNIT	QTY	RATE (Rs. In Lakhs)	AMOUNT (Rs. In Lakhs)
1	Providing of 132 kV features at existing 220/33 kV SS Nagaram with 220kV Quad Bus extension and 2x100 MVA PTR capacity in Warangal Urban District	No.	1	2367.00	2367.00
2	Erection of 132 kV Multi circuit towers with ACSR panther conductor for making LILO of 132KV Warangal-Kamalapur line and 132 KV Warangal-Kalvasrampur line to existing 220 kV SS Nagaram.	KM	2.2	187.00	411.40
3	Erection of 132 kV Double Circuit line on Galvanized Towers with Panther ACSR Conductor from the 220 kV SS Nagaram to 132/33KV SS Waddepally.	KM	21	106.00	2226.00
4	Erection of 132 kV feeder bays				
a	1 No. feeder Bay at 132 kV SS Waddepally	Nos	1	97.00	97.00
b	1 No.132 kV GIS Module feeder Bay at 132 kV SS Waddepally	Estt.	Estt.	243.73	243.73
5	Providing of Optical Fibre Communication Facility	Estt.	Estt.	223.66	223.66
<b>TOTAL</b>					<b>5568.79</b>
<b>IDC (Interest During Construction)</b>					<b>329.12</b>
<b>Grand Total including IDC</b>					<b>5897.91</b>
<b>Or Say (Rs. In Crores)</b>					<b>58.98</b>

5. The scheme will be executed with the financial assistance from funding agencies and / or with TSTRANSCO funding in case loan is not sanctioned.
6. The Chief Engineer/ Construction is hereby authorized to take up the above works after funding tie-up and investment approval from the Hon'ble TSERC. This authorization is issued with the concurrence of Joint Managing Director (Fin, Comml & HRD) vide.Regd.No.4023, Dated.27.09.2021.

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

**Sd/-  
C.SRINIVASA RAO  
CHAIRMAN & MANAGING DIRECTOR (FAC)**

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

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Copy to:

The Executive Director (Finance), 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, LIS, TSTRANSCO, Vidyut Soudha, Hyderabad.  
The Chief Engineer, Transmission, TSTRANSCO, Vidyut Soudha, Hyderabad.  
The Chief Engineer, Warangal Zone, TSTRANSCO, Warangal Urban.  
The Chief Engineer, Telecom, TSTRANSCO, Vidyut Soudha, Hyderabad.  
The Chief Engineer, P & MM, TSTRANSCO, Vidyut Soudha, Hyderabad.  
SE/T to 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.  
SE/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.  
The FA & CCA (A/cs) & CFO, TSTRANSCO, Vidyut Soudha, Hyderabad.  
The Superintending Engineer, OMC Circle, TSTRANSCO, Warangal.  
The Superintending Engineer/Construction-I, TSTRANSCO, Vidyut Soudha, Hyderabad  
The Divisional Engineer-3/SE/Const-I/O/o CE/Const. TSTRANSCO, Vidyut Soudha, Hyd  
Central Record Section – 2 copies.

**// FORWARDED BY ORDER //**

**DIVISIONAL ENGINEER**