



## TRANSMISSION CORPORATION OF TELANGANA LIMITED

Sub: Making LILO of 132 kV Dharmaram - Godur line to 220/132 KV SS Jagityal in Jagityal District. – Administrative approval – Accorded.

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**T.O.O (CE-Construction) Ms.No.1590**

**Dated:14.03.2023.**

Read the following

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

1. The Chief Engineer, Karimnagar Zone has submitted the proposal for making LILO of 132KV Dharmaram-Godur line to 220/132KV SS Jagityal in Jagityal District as the construction of 220 KV SS Kathalapur and making LILO of Godur-Dharmaram line to 220KV SS Kathalapur may take some time and augmentation of PTR capacities at 132/33 kV SS Dharmaram and 132/33 kV SS Godur was approved and works at these substations are under taken. This will further increase load on 132KV RSS - Dharmaram line. The load on 132 KV RSS - Dharmaram line can be limited to safe operating limits if loads of Godur SS are fed from 220KVSS Jagityal. Augmentation of PTR capacities from 3x100 MVA to 3x100 MVA+1x160 MVA was approved at 220KVSS Jagityal. Increased PTR capacity at 220KVSS Jagityal will make feeding loads of 132 KVSS Godur is feasible. For this, making LILO of 132 KV Dharmaram-Godur line to 220KV SS Jagityal is required. Further, 220KV Siddipet-Gajwel lines are now commissioned and if 220 KV Siddipet loads are completely fed from 400/220/132 KV SS Gajwel the power drawal from NTPC to RSS will decrease and power can be drawn to 220KV SS Jagityal to meet 132 KV SS Godur loads even if power cannot be drawn on 220 KV Nirmal- Jagityal feeders.
2. The Chief Engineer/ Power systems has conducted the load flow studies and communicated the study report stating that, considering the voltage profile, system losses and the load flows, making LILO of 132V Dharmaram-Godur line to 220/132kV SS Jagityal keeping 132kV feeder from 220 kV Jagityal-Dharmaram OPEN is observed to be technically feasible.
3. The Chief Engineer / Telecom has furnished the detailed cost estimate for providing Optical Fiber Communication facility to the proposed line.

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4. The Superintending Engineer/OMC Circle/Karimnagar has submitted field estimate for the above scheme which necessitates shifting of existing 132 kV lines due to corridor constraint as follows.
- i) LILO of 132 KV Dharmaram - Godur to 220 KV SS Jagityal on Multi Circuit Tower
  - ii) Line Shifting of 132 KV Jagityal-Gangadhara, Jagityal-Jagityal, Jagityal-Pudur Line from TNS-TND-Boom to now proposed Multi circuit tower,
  - iii) Line Shifting of 132 KV Jagityal-Korutla Line from TNS-TND-Boom to existing towers.
  - iv) Erection of 2 No. 132 kV Bay extension at 220/132 KV SS Jagityal.
  - v) Dismantling of TNS,TND,BOOM & Re-Stringing of 132 KV Jagityal-Gangadhara, Jagityal-Pudur, Jagityal-Jagityal, Jagityal-Korutla Line near TT Tower at 220 KV SS Jagityal.
5. After careful consideration, TSTRANSCO accords administrative approval for the above scheme at a total cost of Rs.5.12 Crores including IDC considering latest approved material/ equipment rates, price escalation @ 10%, GST @ 18% and the field quantities as per the abstract.

A B S T R A C T					
S.No	DESCRIPTION	UNIT	QTY	RATE (Rs. In Lakhs)	AMOUNT (Rs. In Lakhs)
1	LILO of 132kV Darmaram-Godur line to 220/132 KV SS Jagityal in Jagityal District on multi circuit tower with panther ACSR conductor	KM	1	197.00	197.00
2	132kV Bay Extensions (2 No's at 220/132 kV SS Jagityal.)	Nos	2	98.26	196.52
3	Dismantling of TNS,TND,BOOM & Re-stringing of 132KV Jagityal-Gangadhara, Jagityal-Pudur, Jagityal-Jagityal, Jagityal-Korutla line near TT Tower at 220 kV SS Jagityal.	Estt.	Estt	3.25	3.25
4	Providing of Optical Fibre Communication Facility	Estt.	Estt	96.93	96.93
<b>TOTAL</b>					<b>493.70</b>
<b>IDC (Interest During Construction)</b>					<b>18.24</b>
<b>Grand Total including IDC</b>					<b>511.94</b>
<b>Or Say Crores</b>					<b>5.12</b>

6. The scheme will be executed with the financial assistance from funding agencies and / or with TSTRANSCO funding in case loan is not sanctioned.
7. The Chief Engineer/ Construction is hereby authorized to take up the above works. This authorization is issued with the concurrence of Joint Managing Director (Fin, Comml & HRD) vide Regd.No.777, Dated.22.02.2023.

**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 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, Karimnagar Zone, TSTRANSCO, Karimnagar.  
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 (Accounts) & CFO, TSTRANSCO, Vidyut Soudha, Hyderabad  
The Superintending Engineer, OMC Circle, TSTRANSCO, Karimnagar, Karimnagar.  
The Superintending Engineer/Construction-II, TSTRANSCO, Vidyut Soudha, Hyderabad  
The Divisional Engineer-3/SE/Const-II/O/o CE/Const. TSTRANSCO, Vidyut Soudha, Hyd  
Central Record Section – 2 copies.

**// FORWARDED BY ORDER//**

**ASSISTANT DIVISIONAL ENGINEER**