



TRANSMISSION CORPORATION OF TELANGANA LIMITED

Sub: Upgradation of existing 132/33 KV Kathalapur SS to 220/132/33 KV SS Kathalapur in Jagityal Dist – Administrative approval– Accorded.

T.O.O (CE-Construction) Ms.No.1266

Dated: 16.12.2021.

Read the following

O R D E R

The Chief Engineer/Power systems has submitted the load flow study report at the instant of state maximum demand of 11703 MW on 30.08.2019. Where in, the 132 kV RSS Malyalpally – Dharmaram DC/SC line and 132 kV Jagityal – Korutla DC/SC lines are over loaded.

2. The Chief Engineer/ Karimnagar Zone has furnished the field feasibility report for upgradation of existing 132/33 kV Kathalapur Substation to 220/132/33 kV Substation along with the 132 kV connectivities to reduce the overloading of both 132 kV RSS-Dharmaram and 132 kV Jagityal – Korutla feeders.
3. The SLDC Transmission contingency report due to the state maximum demand of 13,668 MW achieved on 26.03.2021, stated that the 132 kV RSS - Dharmaram and 132 kV Jagityal - Korutla feeders are loaded more than 80 MW.
4. The Chief Engineer/ Power systems has conducted the load flow studies and communicated the study report stating that “load flow study results considering system voltages, line loadings & system losses, the field proposal for upgradation of existing 132/33 KV Kathalapur SS to 220/132/33 kV Substation is observed to be advantageous over the other field proposals for relieving the loading on 132 kV RSS Malyalpally – Dharmaram – Godur line, 132 kV Korutla – Jagityal line and 400/132 kV, 200MVA PTR at Ramagundam with the following connectivities:
 - i. Making LILO of 220 kV Medaram – Dichpally line to the proposed 220/132 kV Kathalapur SS (LILO Length 1.85 kM).

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- ii. Making LILO of 132 kV Dharmaram – Godur feeder to the proposed 220/132 kV Kathalapur SS (LILO Length 16 km).
 - iii. Making LILO of 132 kV Godur – Pochampad feeder to the proposed 220/132 kV Kathalapur SS (LILO Length 20 km). ”
5. The Chief Engineer/ Telecom has furnished the cost estimate for providing of OFC communication facility to the proposed Substation & lines for an amount of Rs. 405.51 Lakhs
6. After careful consideration, TSTRANSCO accords administrative approval for the above scheme at a total cost of Rs.73.29 Crores including IDC considering latest approved material / equipment rates with 10% price escalation & GST @ 18% as per the break up detailed below.

A B S T R A C T					
S.No	DESCRIPTION	UNIT	Qty	RATE (Rs. In Lakhs)	AMOUNT (Rs. In Lakhs)
1	Up gradation of existing 132/33 KV Kathalapur SS to 220/132/33 KV Substation with 2x100 MVA PTR capacity in Jagityal Dist.	No	1	2408.00	2408.00
2	Making LILO of 220 kV Medaram – Dichpally line to upgraded 220/132/33 kV Kathalapur SS on Galvanized Towers with Moose ACSR Conductor	KM	1.85	157.00	290.45
3	Making LILO of 132 kV Dharmaram – Godur line to upgraded 220/132/33 kV Kathalapur SS on Galvanized Towers with Panther ACSR Conductor	KM	16	106.00	1696.00
4	Making LILO of 132 kV Godur – Pochampad line to upgraded 220/132/33 kV Kathalapur SS on Galvanized Towers with Panther ACSR Conductor	KM	20	106.00	2120.00
5	Providing OFC communication facility	Estt.	Estt.	405.51	405.51
TOTAL					6919.96
IDC (Interest During Construction)					408.97
Grand Total including IDC					7328.93
Or Say in Crores					73.29

7. The scheme will be executed with the financial assistance from funding agencies and / or with TSTRANSCO funding in case loan is not sanctioned.

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8. 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.4577, Dated.09.11.2021.

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 (A/cs) & CFO, TSTRANSCO, Vidyut Soudha, Hyderabad.
The Superintending Engineer, OMC Circle, TSTRANSCO, 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
Central Record Section – 2 copies.

// FORWARDED BY ORDER //

DIVISIONAL ENGINEER