



## TRANSMISSION CORPORATION OF TELANGANA LIMITED

**TSTRANSCO-Palamuru Rangareddy Lift Irrigation Scheme – Extension of Power Supply at 400kV & 220 kV level to Pumping stations at Narlapur, Yedula, Vattam in Nagarkurnool District, Uddandapur in Mahaboob Nagar district and KP Laxmidevipalli in Rangareddy district– Deposit Contribution works–Revised Administrative Approval–Accorded.**

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T.O.O. (CE-400kV) Ms.No.468

Dt.:25.10.2019.

Read the following: -

- Ref: 1.Lr.No.CE/PRLIS/DCE(P)/MBNR/PLM-RNR/922, Dt, 23.07.2016.  
 2. No. 51/4/(40<sup>th</sup>)/PSPA-II-2017-92-103 of CEA Dt.16.02.2017  
 3. T.O.O. (CE-Projects-II) Ms.No.11, Dt. 09-05-2017.  
 4. U.O.No.ED(LIS)/SE(LIS)/DE-II(LIS)/ADE2/D.No.1260/18, Dt:10.09.2018  
 5. Lr.No.ENC(I)/DCE IV/OT-6/AEE-14/PRLIS/CE400kV/TSGENCO,Dt :03.09.2019  
 6. T.O.O.(CE-400kV) Ms No.467, Dt:25.10.2019

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### PROCEEDINGS:

1. Administrative approval was accorded for Palamuru-Rangareddy Lift Irrigation Scheme for extension of power supply (Total load of 3836.681MVA) to pumping stations at Narlapur, Yedula, Vattam, Uddandapur and KP Laxmidevipalli at an estimated cost of Rs.3170.84Crs (including development charges) for Bulk Load and Deposit Contribution works, vide reference (3) cited above.
2. Subsequently, certain revisions are proposed in the scheme to reduce the transmission losses, to improve system voltage and to optimize the scheme cost. The revised scheme is found feasible and the approval from CEA is awaited.
3. The assets created for Bulk Load works i.e. up to metering arrangement are the property of TSTRANSCO and all the assets created for DC works (works pertaining to the consumer) i.e. beyond the metering arrangement are the property of consumer and are to be capitalized separately.
4. Accordingly, revised Administrative approval was accorded for “Palamuru Rangareddy Lift Irrigation Scheme- Bulk Load works, extension of Power Supply to Narlapur, Yedula, Vattam, Uddandapur and KP Laxmidevipalli pumping stations at an estimated cost of Rs.2432.44Crs. (Including development charges)”, vide ref (6) cited above.

5. Consequently, the scheme for DC works under Palamuru-Rangareddy Lift Irrigation Scheme is formulated for extension of Power Supply to Pumping Stations at Narlapur, Yedula, Vattam, Uddandapur and KP Laxmidevipalli. The scheme consists of following substations:

1	Erection of 400/11kV SS at Narlapur (beyond metering point)
2	Erection of 400/11kV SS at Yedula (beyond metering point)
3	Erection of 400/11kV SS at Vattam (beyond metering point)
4	Erection of 400/11kV SS at Uddandapur SS (beyond metering point)
5	Erection of 220/11kV KP Laxmidevipalli SS (beyond metering point)

6. After careful examination, TSTRANSCO accords revised Administrative approval for “Palamuru Ranagreddy Lift Irrigation Scheme-Deposit Contribution works- extension of Power Supply for a CMD of 5907.88MVA at 400kV & 220kV level to Pumping Stations at Narlapur, Yedula, Vattam, Uddandapur and KP Laxmidevipalli” at an estimated cost of Rs.204.00Crores.
7. The approval accorded at para No.6 is subject to instructions issued by TSTRANSCO on release of services and tariff as may be in force from time to time.
8. Chief Engineer/400kV/Vidyut Soudha is here by authorized to take up the above works.
9. An amount of Rs.204.00Crores shall be collected from I&CAD department for taking up the works by TSTRANSCO.
10. This order is issued with the concurrence of Joint Managing Director (Finance,Comml.,&HRD) vide regd.No.3812, Dt:15.10.2019.

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

Encl: Annexure.

**D.PRABHAKAR RAO**  
**CHAIRMAN AND MANAGING DIRECTOR**

To:

Chief Engineer/400kV/TSTRANSCO/ Vidyut Soudha, Hyderabad.

Copy to:

- 1) Executive Director/LIS/TSTRANSCO/VS/Hyd.
- 2) Executive Director (Finance)/ TSTRANSCO/ Vidyut Soudha/Hyderabad.

- 3) Chief Engineer/ Power Systems/TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 4) Chief Engineer/ 400kV/Construction/TSTRANSCO/Warangal.
- 5) Chief Engineer/Transmission/TSTRANSCO/Vidyut Soudha/Hyderabad.
- 6) Chief Engineer/ SLDC/TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 7) Chief Engineer/ Telecom/TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 8) Chief Engineer/ Civil/TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 9) Chief Engineer/Comml. & RAC/TSTRANSCO/VS/Hyd.
- 10) Chief General Manager/HRD/TSTRANSCO/Vidyut Soudha/Hyderabad.
- 11) Chief Engineer/Metro Zone/ TSTRANSCO/ Hyderabad.
- 12) Chief Engineer/Rural Zone/ TSTRANSCO/ Hyderabad.
- 13) Chief Engineer/ Karimnagar Zone /TSTRANSCO/ Karimnagar.
- 14) Chief Engineer/Warangal Zone/ TSTRANSCO/ Hyderabad.
- 15) SE(T) to CMD/TSTRANSCO/Vidyut Soudha/ Hyderabad.
- 16) Superintending Engineer/Power Systems/TSTRANSCO/Vidyut Soudha/Hyd.
- 17) Superintending Engineer/400kV/Const./Metro/TSTRANSCO/Hyderabad.
- 18) Superintending Engineer/400kV/Const./Rural/TSTRANSCO/Hyderabad.
- 19) DE(T) to Director (Projects)/TSTRANSCO/ VS/ Hyd.
- 20) DE(T) to Director (Transmission)/TSTRANSCO/ Vidyut Soudha/ Hyd.
- 21) ADE(T) to Director (Lift Irrigation)/ TSTRANSCO/ VS/ Hyderabad.
- 22) AE(T) to Director (Grid Operation)/ TSTRANSCO/VS/ Hyderabad.
- 23) P.S. to JMD (Finance, Comml.,& HRD) /TSTRANSCO/VS/Hyd.
- 24) Company Secretary/TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 25) Estate Officer/TSTRANSCO/ Vidyut Soudha/Hyderabad.
- 26) Central Record Section – 2 copies.

## ANNEXURE

### COST ESTIMATE FOR PALAMURU RANGAREDDY LIFT IRRIGATION SCHEME (Deposit Contribution Works)

Sl. No.	Description	Amount (Rs. in Crs)
<b>1</b>	<b>Pump House at Narlapur</b>	
a)	Erection of 400/11kV SS at Narlapur (beyond metering point) (9x160MVA & 2x25MVA 400/11kV PTRs+1x125MVAR Bus Reactor)	49.12
<b>2</b>	<b>Pump House at Yedula</b>	
a)	Erection of 400/11kV SS at Yedula (beyond metering point) (10x160MVA and 2x25MVA 400/11kV PTRs+1x125MVAR Bus Reactor)	53.27
<b>3</b>	<b>Pump House at Vattem/Karvena</b>	
a)	Erection of 400/11kV SS at Vattem (beyond metering point) (10x160MVA and 2x25MVA 400/11kV PTRs+1x125MVAR Bus Reactor)	53.27
<b>4</b>	<b>Pump House at Uddandapur</b>	
a)	Erection of 400/11kV SS at Uddandapur SS (beyond metering point) ( 6x160MVA and 2x25MVA 400/11kV PTRs+1x125MVAR Bus Reactor)	38.10
<b>5</b>	<b>Pump House at KP Laxmidevipalli</b>	
a)	Erection of 220/11kV KP Laxmidevipalli SS (beyond metering point) (4x80MVA and 2x25MVA 220/11kV PTRs)	10.22
	<b>Total</b>	<b>204.00</b>

Sd/-  
CHIEF ENGINEER/400kV