

## TRANSMISSION CORPORATION OF TELANGANA LIMITED

Sub: Revised administrative approval for Upgradation of existing 132/33 KV RC Puram SS to 220/132/33 KV SS in Ranga Reddy District – Accorded

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**T.O.O (CE-Construction) Ms. No.713**

**Dated: 12.02.2020**

Read the following

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

Administrative approval was accorded for Upgradation of existing 132/33 KV RC Puram SS to 220/132/33 KV SS in Ranga Reddy District vide T.O.O (CE-Construction) Ms. No 260, Dated: 30.11.2018 for an amount of Rs. 170.66 Crores. The Hon'ble commission has accorded investment approval for an amount of Rs.170.66 Crores vide CRN TST/TS/Up gradation of existing 132/33 KV RC Puram SS to 220/132/33 KV SS in Ranga Reddy District. Approval/No.01/2019-20.

- 2) During detailed survey of the 220 KV SMDC line from 400/220 KV Shankarpally SS to proposed 220/132/33 KV RC Puram SS on Mono poles, it was informed that Manjeera main pipe line is passing along the line alignment. Due to which, the laying of foundations for the mono poles in the line route is not possible. Alternatively, the line is to be laid in underground for length of approximately 10 KM and balance on overhead for a length of around 12 KM. The capital cost of the scheme will be increased for proposed line substantially.
- 3) In view of the high capital expenditure to be incurred and constructional non-feasibility of the proposed line, it was proposed to convert the existing 132 KV Gachibowli – RC Puram line to 220 KV DC line by providing the Insulated Cross arms and equivalent HTLS conductor to meet the existing & future load demand and to feed power supply to 132/33 KV Pashamailaram SS and proposed 132/33 KV Patancheru SS. The 220 KV Gachibowli SS is becoming strong source as it is being connected to 400 KV Raidurg SS.

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- 4) The technical committee has approved the proposal of upgradation of existing 132 KV Gachibowli - RC Puram line to 220 KV line with equivalent HTLS conductor & composite insulated cross arms due to the non availability of corridor.
- 5) The estimated cost of the proposal for Upgradation of existing 132/33 KV RC Puram SS to 220/132/33 KV SS with upgradation of existing 132KV Gachibowli - RC Puram DC line to 220 KV DC line is works out to Rs. 95.34 Crores including IDC.
- 6) After careful consideration, TSTRANSCO accords revised administrative approval for Upgradation of existing 132/33 KV RC Puram SS to 220/132/33 KV SS in Ranga Reddy District for an amount Rs.95.34 Crores (Rupees Ninety Five Crores and Thirty Four Lakhs) as per breakup detailed below..

**A B S T R A C T**

SNo.	DESCRIPTION	UNIT	QTY	RATE (Rs.IN LAKHS)	AMOUNT (Rs.IN LAKHS)
1	Up gradation of existing 132/33 KV RC Puram SS to 220/132/33 KV SS in Rangareddy Dist with 2x160 MVA PTRs	Nos.	1.00	3537.00	3537.00
2	Up gradation of existing 132 KV Gachibowli-RC Puram DC line to 220 KV DC line (Line length-10 KM)				
	Modification of existing 132 KV Towers to 220 KV Towers using insulated cross arms	Est.	Est.	981.09	981.09
	Replacement of existing ACSR conductor to equivalent high capacity HTLS conductor.			1159.59	1159.59
3	Bays at 220 KV SS Gachibowli with PASS Module	Nos.	2.00	250.00	500.00
4	Erection of 132 KV feeder Bays at 220/132 KV RC Puram SS	Nos.	6.00	115.00	690.00
5	Laying of under ground XLPE Cable	KM	1.00	1800.00	1800.00
6	Providing of OFC communication facility	Est	Est	143.22	143.22
	<b>TOTAL</b>				<b>8810.90</b>
	<b>Intrest During Construction</b>				<b>723.26</b>
	<b>Total Including IDC</b>				<b>9534.16</b>
	<b>or Say Rs.95.34 Crores</b>				

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- 7) This is in supersession to the administrative approval issued earlier for Upgradation of existing 132/33 KV RC Puram SS to 220/132/33 KV SS in Ranga Reddy District vide T.O.O (CE-Construction) Ms. No 260, Dated: 30.11.2018 for an amount of Rs. 170.66 Crores which stands cancelled.
- 8) The scheme will be executed with financial assistance from M/s PFC Ltd, New Delhi vide term loan No. 37203022 and with TSTRANSCO funds in case of the requirement for execution of work.
- 9) The Chief Engineer, Construction is hereby authorized to take up the above works after investment approval from Hon'ble TSERC. This authorization is issued with the concurrence of Joint Managing Director, vide Regd. No.542, Dated: 31.01.2020.

**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.

**Copy to:**

The Chairman & Managing Director, TSSPDCL, Hyderabad  
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, Metro Zone, TSTRANSCO, Hyderabad.  
The Chief Engineer, Rural Zone, TSTRANSCO, Hyderabad  
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-West, TSTRANSCO, Hyderabad.  
The Superintending Engineer, OMC Circle-East, TSTRANSCO, Hyderabad  
The Superintending Engineer, Operation Circle, Cyber city, TSSPDCL, Rangareddy.  
The Superintending Engineer, Operation Circle, Sangareddy, TSSPDCL, Rangareddy.  
The Superintending Engineer/Construction-I, TSTRANSCO, Vidyut Soudha, Hyderabad

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The Divisional Engineer-1/SE/Const-I/O/o CE/Const. TSTRANSCO, Vidyut Soudha, Hyd  
The Divisional Engineer-2/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, Comm & 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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