

TRANSMISSION CORPORATION OF TELANGANA LIMITED

ABSTRACT

EXTENSIONS – Extension of Power Supply at 220 kV level to Pumping stations at Rampur, Rajeshwar Rao pet in Jagityal District and Pumping station at Mupkal in Nizamabad district for a Load of 165.789 MVA under Lift Irrigation scheme along Flood Flow Canal (FFC) system for supplementation and Augmentation of Sriramsagar Project(SRSP) ayacut in Nizamabad and Jagityal Districts– Bulk Load Works – Revised Administrative Approval – Accorded.

T.O.O. (CE -LIS) Ms.No.881

Dt:13.11.2020

Read the following:-

- Ref**
1. Lr.No.CE/Projects/Irrigation/KRMR/TS/804, Dt, 22.04.2017.
 2. CE(PS)/SE(PS)/DE SS II/ADE-2/AE/F.Flood Flow Canal/D. No40/17, Dt.18.09.2017
 3. TOO (ED-LIS) Ms. No.24, Dt. 10.11.2017

PROCEEDINGS:

1. Chief Engineer (Projects), I&CAD, Karimnagar vide letter Dated 22-04-2017 has informed that Telangana State Government has accorded permission to lift 1 TMC of water per day for 60 days from Flood Flow Canal to Sriramsagar Project (SRSP) duly constructing 3 No. Pump houses at 3 Different location of existing Flood Flow Canal vide G.O.Rt.No.443 Irrigation and CAD (Projects-IV)Department Dated:20.04.2017 and requested to examine to provide suitable Sub Station and laying of transmission lines from nearest source to the Pump House Location.
2. The power requirement details at each pumping station is as follows:

Sl.No	Name of Pump House	Location	No. of Pumps x Rating of each pump	Power Requirement
1.	Pump House-I Rampur(V)	Rampur(V) of Mallial(M), Jagityal(Dist.)	8 No. x 6.5 MW	52 MW
2.	Pump House-II Rajeshwar Rao Peta (V)	Rajeshwar Rao Peta(V) Metpally(M), Jagityal(Dist.)	8 No. x 6.5 MW	52 MW
3.	Pump House-III Mupkal(V)	Mupkal(V) of Balkonda(M), Nizamabad(Dist.)	8 No. x 6.5 MW	52 MW
TOTAL POWER REQUIREMENT				156MW

3. Accordingly, Administrative approval was accorded vide T.O.O. Ms.No.24, Dt.10.11.2017 as a single TOO for both **Bulk Load and DC Works** for Extension of 220 kV Power Supply to Pumping stations along Flood Flow Canal (FFC) system for

Cont'd. (2)

supplementation and Augmentation of Sriramsagar Project(SRSP) ayacut in Nizamabad and Jagityal Districts duly considering the approval for 10% Overhead Charges in 15th Board Meeting (dt:18.11.2016) and scheme cost was communicated to I&CAD Department.

4. Now the estimated cost of the scheme is revised due to the following:
 - a. Two separate TOOs are to be issued in order to separate **Bulk Load Works (up to metering arrangement) and Deposit Contribution works** for demarcation and capitalization of assets of TSTRANSCO up to metering arrangement.
 - b. Due to alternate connectivity to Rampur Pumping station by making LILO of 220kV RSS - Bheemgal Line to proposed Rampur SS.
 - c. Due to 2 Nos additional 220kV bays at Rampur SS for RSS-Bheemgal LILO line
 - d. Due to temporary alternate arrangement for 220kV DC line from Nirmal to Renjal by erecting 4 Nos 220kV towers adjacent to River crossing locations proposed for line.
5. Considering the above, the estimated cost of the scheme is revised and is as detailed below:

		Rs. in Crores
a) Scheme cost for works	-	118.10
b) Developmental Charges @ Rs.1000/KVA for a Load of 1,65,789KVA (as per Annexure-I)	-	16.58

Total	-	134.68

6. After careful consideration, TSTRANSCO approves the Scheme at a cost of **Rs.134.68 Crores** (Rupees One Hundred Thirty Four Crores and Sixty Eight Lakhs only) including 10% overhead charges for the works of extension of H.T supply to Pumping Stations at Rampur, Rajeshwar Rao pet in Jagityal District and Pumping station at Mupkal in Nizamabad district for a Load of 165.789 MVA under Lift Irrigation scheme along Flood Flow Canal (FFC) system for supplementation and Augmentation of Sriramsagar Project(SRSP) ayacut in Nizamabad and Jagityal Districts . This approval **supersedes** the approval given vide T.O.O under reference(3) cited above.

7. The salient features of the Revised Scheme are as follows:

Sl.No.	Description	Estimated cost in Rs. Lakhs
1.	Pump House at Rampur	
	a) Erection of 2 No. 220 KV Bays at 400/220/11 KV Ramadugu Lift Irrigation Sub-Station for the proposed 220/11 KV Rampur Lift Irrigation Sub-Station	673.336
	b) Erection of 220kV DC Line from 400/220kV Ramadugu SS to 220/11kV Rampur LI SS -35KM	2995.402
	c) Telecommunication on the above Line and Sub-Station	171.450
	d) LILO of 220kV RSS Bheemgal Line to Rampur SS -1 KM	85.583
	e) Telecommunication on the above Line and Sub-Station	93.900
	f) Erection of Terminal and metering arrangement with 4 Nos incoming 220kV Feeder bays and 2 Nos 220kV out going feeder bays for Rajeswar raopeta SS	2017.081
	SUB TOTAL-I	6036.753
2.	Pump House at Rajeshwer Rao Peta	
	a) Erection of 220 KV DC Line from proposed 220/11KV Rampur Lift irrigation Sub-Station to 220/11KV Rajeshwer Rao Peta Lift irrigation Sub-Station - 36 KM	3080.985
	b) Telecommunication on the above Line and Sub-Station	180.380
	c) Erection of Terminal and metering arrangement with 2 Nos 220kV incoming feeder bays	1090.982
	SUB TOTAL-II	4352.347
3.	Pump House at Mupkal	
	a) Erection of 220 KV Line duly making LILO of One Circuit of 400/220 KV Nirmal SS to 220 KV Renjal SS to proposed 220/11 KV Mupkal Lift irrigation Sub-Station – 1 KM	85.583
	b) Telecommunication on the above Line and Sub-Station	93.900
	c) Erection of 4 Nos 220kV towers adjacent to River crossing Locations of 220kV DC line from 400kV Nirmal to 220kV Renjal SS	114.314
	d) Erection of Terminal and metering arrangement with 2 Nos 220kV incoming feeder bays	1127.033
	SUB TOTAL-III	1420.830
	TOTAL (I+II+III)	11809.930

8. “In exercise of the powers conferred under section 164 of the Electricity Act, 2003 Central Act No.36 of 2003, the Government of Telangana (vide G.O.Ms.No.115, Dt.7.10.2003) conferred upon the Transmission Corporation of Telangana Limited, the Transmission supply licensee in the state of Telangana, Northern Power Distribution Company of Telangana Limited and Southern Power Distribution Company of Telangana Limited the distribution and retail supply licensee or their authorized representatives to have the powers for placing of the electric supply lines or electric plant for the transmission of electricity or for the purpose of telephonic or telegraphic communications necessary for the proper co-ordination of works that a telegraphic authority possessed under the provision of the Indian Telegraph Act, 1885 (Central Act 13 of 1885).”
9. The sanction accorded in Para No.5 above is subject to instructions issued by the TSTRANSCO on release of services and tariff as may be in force from time to time.
10. The works are under the scope of Chief Engineer/LIS/TSTRANSCO/VS/Hyderabad.
11. An amount of **Rs. 134.68 Crores** shall be collected as Deposit from Engineer – in – Chief /I&CAD/ Projects /Karimnagar for carrying out the works by TSTRANSCO.
12. The order is issued with the concurrence of Joint Managing Director (Finance, Comml. & HRD)/ TSTRANSCO vide Regd.No.3956 , dated 14.10.2020. .

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

Sd/-
D. PRABHAKAR RAO
CHAIRMAN AND MANAGING DIRECTOR
TSTRANSCO

Encl: Annexure –I

To
The Chief Engineer (LIS) / Vidyut Soudha / Hyderabad.

Copy to:

1. The Chief Engineer/ Comml. & RAC / TSTRANSCO / VS / Hyderabad.
2. The Chief Engineer/ Comml./TSPCC / TSTRANSCO / VS / Hyderabad.
3. The Chief Engineer/ Telecom / TSTRANSCO / VS / Hyderabad.
4. The Chief Engineer/ Civil / TSTRANSCO / VS / Hyderabad.
5. The Chief Engineer / Transmission /TSTRANSCO / VS / Hyderabad.
6. The Chief Engineer / Construction /TSTRANSCO / VS / Hyderabad
7. The Chief Engineer / Power Systems/ TSTRANSCO / VS / Hyderabad
8. The Chief Engineer/ P&R / TSTRANSCO / VS / Hyderabad.
9. The Chief Engineer/400 KV/VS/Hyderabad.
10. The Chief Engineer / Zone/ TSTRANSCO / Karimnagar.
11. The Chief Engineer / SLDC/ TSTRANSCO / VS/Hyderabad.
12. The Chief Engineer / IT & QC/ TSTRANSCO / VS/Hyderabad.
13. The Chief Engineer / P&MM/ TSTRANSCO / VS/Hyderabad.
14. The Executive Director (Finance)/ TSTRANSCO/VS/Hyderabad
15. The FA & CCA (Accounts) / TSTRANSCO / VS / Hyderabad.
16. The SE(T) to CMD / TSTRANSCO / VS / Hyderabad.
17. The P.S. to the JMD(Finance, Comml. & HRD)/ TSTRANSCO / VS / Hyderabad.
18. The ADE(T) to Director (LIS)/ TSTRANSCO / VS / Hyderabad.
19. The DE (T) to Director (Projects & Grid Operation) / TSTRANSCO / VS / Hyderabad.
20. The DE(T) to Director (Transmission) / TSTRANSCO / VS / Hyderabad.
21. The Superintending Engineer/LIS/TSTRANSCO/Karimnagar
22. The Superintending Engineer/OMC/TSTRANSCO/Karimnagar
23. The Executive Engineer-III/LIS/TSTRANSCO/Karimnagar
24. The Executive Engineer/LIS/TSTRANSCO/Warangal
25. The Resident Audit Officer / TSTRANSCO / VS / Hyderabad.

//Forwarded By Order//

(Asst. Divisional Engineer/Elect.)