

TRANSMISSION CORPORATION OF TELANGANA LIMITED

A B S T R A C T

EXTENSIONS – Extension of Power supply at 132KV Level to Thumilla pumping station for a load of 22 MW under Thumilla Lift Irrigation Scheme at Rajoli (M) in Jogulamba – Gadwal District – **Bulk Load works – Revised Administrative Approval** – Accorded.

T.O.O. (CE -LIS) Ms.No.985

Dt.26-02-2021.

Read the following:-

- Ref: 1). Lr No.CE(P)/MBNR/DEE2/AEE1/TLIS/132kV Lines/1235 Dt.05.08.2017.
 2). Lr.No.CE/PS/DE/SS/ADE-2/SS/F.Thumilla/D.No.386/18, Dt.15.3.2018
 3). Lr.No.SE/LIS/Hyd-Rural/F.Thumilla LIS/D.No.202/18, Dt.19.3.2018.
 4). T.O.O. (CE-LIS) Ms.No.13, Dt.02-05-2018.

PROCEEDINGS:

1. The Chief Engineer (Projects) / I&CAD / Mahabubnagar Circle, Jogulamba - Gadwal Dist. vide reference (1) cited has requested to extend the power supply to Thumilla Pumping station by laying 132KV line at Rajoli (M) in Jogulamba – Gadwal District duly furnishing the following Pump house Power requirement details.

Sl. No	Name of Pump house	Location	No. of Pumps X Rating of each pump	Power Requirement
1.	Thumilla Pump house	Near Thumilla village, Rajoli (M), Jogulamba Gadwal District.	2 No. x 5.50 MW 1 No.x10.50 MW	21.50 MW
TOTAL POWER REQUIREMENT				22 MW

2. Accordingly TSTRANSCO has prepared cost estimates for the subject works and accorded approval issued T.O.O vide ref.(4) cited above as a single T.O.O for **both Bulk Load and DC Works** for extension of 132 KV Power Supply to Thumilla Pump house duly considering the approval for 10% Overhead charged in 15th Board Meeting (dt.18.11.2016) and scheme cost was communicated to the Chief Engineer, I&CAD, Mahabubnagar Circle, Jogulamba - Gadwal Dist. Simultaneously, works contract was awarded and completed in all respects and also charged the substation & connected 132KV line. Supply was extended to Thumilla pump house.
3. Now the estimated cost of the Scheme is revised due to the following.
 - a. Two separate T.O.Os are to be issued in order to separate Bulk Load works (up to metering arrangement) and Deposit Contribution works (beyond metering arrangement) for demarcation and capitalization of assets of TSTRANSCO up to metering arrangement.

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b. Due to addition of cost estimates for providing of RTUs at viz., (i).132/11kV Thumilla SS (1No. under Thumilla Lift Irrigation Scheme), (ii).220/11KV Regumanugadda substation, (iii). 220/11KV Jonnalaboguda substation, (iv).220/11KV Gudipalligattu substation (3Nos.under Kalwakurthy Lift Irrigation Scheme) and (v).220/11KV Marlaveedu Substation, (vi). 220/11 Gudemdoddi substation (under Nettempadu LI Scheme) along with communication for establishing data acquisition system.

4 Considering the above, the estimated cost of the Scheme is revised and is as detailed below:

	Rs. in Lakhs
a) Developmental Charges @ Rs.1000/KVA for a CMD of 23.157 MVA (as per Annexure-I)	- 231.578
b) Scheme Cost for the works (Bulk Load) (as per Annexure-I)	- 2582.610 -----
Total	2814.19 -----

5 After careful consideration, TSTRANSCO approves the Scheme at a cost of **Rs.28.142Crores (Rupees Twenty Eight crores fourteen lakhs Twenty thousand only)** including 10% Overhead charges and Development Charges for the works of extension of H.T supply to Pumping Station at Thumilla village under Thumilla Lift Irrigation Scheme in Jogulamba – Gadwal District at 132 kV level as **Bulk Load Works**. This approval supersedes the earlier approval given vide T.O.O (CE-LIS) Ms.No.13, dt.02-05-2018.

6 The salient features of the Revised Scheme are as follow:

SL.No.	Description	Amount in Rs.lakhs.
I	Thumilla 132/11KV SS and connected works (BL works)	
(a)	Erection of Terminal and Metering arrangements at proposed Thumilla 132/11 kV Substation	413.33
(b)	i) Erection of 2 Nos. 132 KV BAY extensions each at existing 132/33 KV Ieeja SS and 132/33 KV Alampur SS.	180.47
(c)	Erection of 132KV LILO LINE to proposed Thumilla 132/11KV SS from existing Ieeja to Alampur 132KV DC/SC line in Jogulamba Gadwal Distrtict (10 KM)	867.36
(d)	Stringing of 2nd Ckt on existing 132 kV DC/SC line from existing Ieeja 132/33 kV SS to Alampur 132/33 kV - 42 Km	836.60
(e)	Cost estimate for Providing of RTUs for Thumilla Scheme, Nettempadu LIS & KLIS along with communication	284.85
	TOTAL	2582.61

7. “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 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).”
8. The sanction accorded in Para No.4 above is subject to instructions issued by the TSTRANSCO on release of services and tariff as may be in force from time to time.
9. The works are under the scope of Chief Engineer /LIS /TSTRANSCO / Hyderabad
10. An amount of **Rs.28.142Crores** shall be collected as Bulk Load charges and Developmental charges, from Chief Engineer (Projects) / I&CAD / Mahabubnagar Circle, Jogulamba - Gadwal Dist. for carrying out the works by TSTRANSCO.
11. The order is issued with the concurrence of the Joint Managing Director (Finance, Comml. & HRD) / TSTRANSCO vide Regd.No.463, dated 03.02.2021.

(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 / TSTRANSCO/Hyderabad.

Copy to:

1. The Executive Director (Finance)/ TSTRANSCO/VS/Hyderabad
2. The Chief Engineer/400 KV/TSTRANSCO/ VS/Hyderabad.
3. The Chief Engineer / Transmission /TSTRANSCO / VS / Hyderabad.
4. The Chief Engineer / Construction /TSTRANSCO / VS / Hyderabad
5. The Chief Engineer / Power Systems/ TSTRANSCO / VS / Hyderabad
6. The Chief Engineer / SLDC/ TSTRANSCO / VS/Hyderabad.
7. The Chief Engineer/ Comml. & RAC / TSTRANSCO / VS / Hyderabad.
8. The Chief Engineer/ Telecom / TSTRANSCO / VS / Hyderabad.
9. The Chief Engineer/ Civil / TSTRANSCO / VS / Hyderabad.

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10. The Chief Engineer / IT / TSTRANSCO / VS/Hyderabad.
11. The Chief Engineer / P&MM/ TSTRANSCO / VS/Hyderabad.
12. The Chief Engineer / Zone/ Hyderabad-Rural/ TSTRANSCO / Erragadda/ Hyderabad.
13. The FA & CCA (Accounts) / TSTRANSCO / VS / Hyderabad.
14. CGM /Commercial/TSSPDCL /Corporate office/Mint compound/Hyderabad
15. The SE(T) to CMD / TSTRANSCO / VS / Hyderabad.
16. The P.S. to the JMD(Finance, Comml. & HRD)/ TSTRANSCO / VS / Hyderabad.
17. The ADE(T) to Director (LIS)/ TSTRANSCO / VS / Hyderabad.
18. The DE (T) to Director (Projects)/ TSTRANSCO / VS / Hyderabad.
19. The P.S. to the Director(Grid Operation) / TSTRANSCO / VS / Hyderabad.
20. The DE(T) to Director (Transmission) / TSTRANSCO / VS / Hyderabad.
21. The Superintending Engineer/LIS/Hyd-Rural/GTS Colony/TSTRANSCO/Hyderabad
22. The Superintending Engineer/OMC/TSTRANSCO/Mahabubnagar
23. The Executive Engineer-III /LIS/ Hyd-Rural/GTS Colony/TSTRANSCO/Hyderabad
24. The Resident Audit Officer / TSTRANSCO / VS / Hyderabad.