



## TRANSMISSION CORPORATION OF TELANGANA LIMITED

### ABSTRACT

**Lift Irrigation Schemes** – Extension of power supply (for a load of 71.00MW) to the proposed Pumping stations at Borancha (V), Manoor (M) & Ramthirth(V), Kangti (M) under Basaveswara Lift Irrigation Scheme in Sangareddy District – **Bulk Load Works - Administrative Approval** – Accorded.

T.O.O. (CE-LIS) Ms.No. 1423

Dt: 27.06.2022

Read the following:-

Ref: Lr.No.CE/I/SRD/DCE/DEE1/AEE4/BLIS/1561/, Dt.03-12-2021.

\*\*\*\*\*

### PROCEEDINGS:

1. The Chief Engineer/Irrigation/ Sangareddy vide reference cited above has informed that, the Government of Telangana has accorded Administrative approval (vide G.O.Ms.No.37, Dt.23.09.2021) to create an ayacut of 1.65 Lakhs Acres by lifting 8 TMC of water from the foreshore of Singoor Reservoir (L/S) to irrigate the upland areas covering 166 Villages in 8 Mandals in Sangareddy District under Narayankhed and Andole Assembly Constituencies under Basaveswara Lift Irrigation Scheme.
2. In this regard, the Chief Engineer/Irrigation/Sangareddy has requested for extension of power supply to the following newly proposed Lift Irrigation pumping stations duly furnishing the following Power requirement details.

### Basaveswara Lift Irrigation Scheme:

Sl. No	Name of Pump house	Location	No. of Pumps X Rating of each pump	Total power Required incl. Aux. Load 0.5MW
1	PS-1 @ Borancha	Borancha (V), Manoor (M), Sangareddy (Dist.)	9Nos X 5 MW (with Static head of 51.36m Stage-I) and 2 Nos X 5 MW (with Static head of 58.01m Stage-II)	$(9 \times 5 + 2 \times 5) + 0.5$ $= 55.50 \text{ MW}$
2	PS-2 @ Ramthirth	Ramthirth(V), Kangti(M), Sangareddy Dist.	3Nos X 5 MW (with static head of 74.52m Stage-I)	$(3 \times 5) + 0.5 =$ $15.5 \text{ MW}$
<b>TOTAL POWER REQUIREMENT</b>				<b>71.00 MW</b>

Contd...(2)

3. After careful consideration, TSTRANSCO has approved the Scheme at a cost of **Rs.26971.30 Lakhs** (Rupees Two Hundred and Sixty Nine Crores Seventy One Lakhs and Thirty Thousand Only) including 10% overhead charges for the works of extension of H.T supply to proposed Borancha & Ramthirth pumping stations under Basaweswara Lift Irrigation Scheme for a Total C.M.D of **74736.842KVA** as **Bulk Load Works** as detailed below. Considering the above, the estimated cost of the scheme is as detailed below:

a)	Scheme cost for Bulk load works	-	<b>26223.930Lakhs</b>
b)	Development Charges	-	(+) <b>747.368Lakhs</b>
	@ Rs.1000/- per KVA for <b>74736.842 KVA</b>		
	<b>Total</b>		<b>Rs. 26971.30 Lakhs</b>
	** Security Deposit Charges to be paid to TSSPDCL		<b>747.968 Lakhs</b>
	@ Rs.1000/- per KVA for a load of <b>74736.842KVA</b>		

\*\*The above charges of **Rs.747.968 Lakhs** which includes connection charges @ Rs30,000 per connection are required to be paid to TS SPDCL by I&CAD, Govt. of Telangana, at the time of release of service connection.

4. The salient features of the Scheme are:

Sl. No.	Description	Amount in Rs.lakhs.
1	Developmental Charges @ Rs.1000/KVA for a total CMD of 74736.842KVA (for Borancha & Ramthirth Pump houses)	747.368
2	<b>Erection of 220/132/11kV LI Sub-Station at Borancha (V)</b> with 220/132kV, 2x100MVA PTRs and 132/11kV, 2x60MVA PTRs with 2No's metering Bays at 132kV level including 4Nos 220kV Feeder Bays & 2Nos 132kV Feeder Bays.	4624.30
3	<b>Erection of new 220kV SMDC line</b> from existing 400/220kV Narsapur SS to now proposed 220/132/11kV SS at Borancha Pump House for a line length of 70Kms.	10683.68
4	<b>Erection of new 220kV SMDC line</b> from proposed 220/132/11kV Chelmeda SS to now proposed 220/132/11kV SS at Borancha for a line length of 40Kms.	6100.66
5	<b>Erection of new 2Nos 220kV Feeder Bays</b> at 400/220kV SS Narsapur for 220/132/11kV Borancha SS.	750.95
6	<b>Erection of 132/11kV LI Sub-Station at Ramthirth (V)</b> with 132/11kV, 2x16MVA PTRs with metering Bay including 2Nos 132kV Feeder Bays.	924.13
7	<b>Erection of 132kV DC line ( 30 KM)</b> to the proposed 132/11KV Ramthirth LI SS from the proposed 220/132/11kV Borancha LI SS.	3140.21
<b>Total Cost of Bulk Load works incl. Development charges Rs.Lakhs</b>		<b>26971.30</b>

5. "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, 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 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).
6. The sanction accorded in Para No. 3 & 4 above is subject to instructions issued by the TS TRANSCO on release of Services and Tariff as may be in force from time to time.
7. The works are under the scope of Chief Engineer/LIS/TSTRANSCO/VS/Hyderabad.
8. An amount of **Rs.26971.30 Lakhs** shall be collected as Service Line (Bulk load) charges including Developmental charges from Chief Engineer/Irrigation/Sangareddy for carrying out the works by TSTRANSCO.
9. The Technical Sanction will be accorded by the Chief Engineer/Lift Irrigation Schemes/Vidyut Soudha/Hyderabad.
10. The order is issued with the concurrence of Joint Managing Director (Finance, Comml. & HRD)/ TSTRANSCO vide Regd.No.2615, dated.09.06.2022.

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

**Sd/-**  
**D. PRABHAKAR RAO**  
**CHAIRMAN AND MANAGING DIRECTOR**  
**TS TRANSCO**

Encl: Annexure - I & III

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

**Copy to:**

1. The Executive Director (Finance)/ TSTRANSCO/VS/Hyderabad
2. The Chief Engineer/400KV/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.
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. The CGM /Commercial/TSSPDCL /Corporate office/Mint compound/Hyderabad.
15. The SE(T) to CMD / TSTRANSCO / VS / Hyderabad.

Contd...(4)

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/Sangareddy.
23. The Superintending Engineer/Civil/LIS /TSTRANSCO/Karimnagar.
24. The Executive Engineer/LIS/ Const/Hyd-Rural/GTS Colony/TSTRANSCO/Hyderabad.
25. The Executive Engineer/Civil/LIS/ Hyd-Rural/TSTRANSCO/ Hyderabad.
26. The Resident Audit Officer / TSTRANSCO / VS / Hyderabad.

\*\*\*\*\*

//FORWARDED BY ORDER//

ASST.DIVISIONAL ENGINEER (Elect.)/Div-I  
LIFT IRRIGATION SCHEMES