



## TRANSMISSION CORPORATION OF TELANGANA LIMITED

### ABSTRACT

**Lift Irrigation Scheme at Chennuru constituency under Kaleswaram Lift irrigation Scheme -** Extension of power supply at 220kV level for a Load of **20.80MW** (20.3MW + 0.5MW Aux. load) to **Pokkur pumping station** by constructing 220/11kV SS and 220kV TMDC line at Pokkuru (V), Chennuru (Mandal) of Mancherla Dist– **Bulk Load Works - Administrative Approval** – Accorded.

T.O.O. (CE-LIS) Ms.No. 1446

Dt: 03 .08.2022

Read the following:-

Ref: 1 Ltr.No.CE(I)/MNCL/DCE/DEE(T)/AEE2/289, dt.29.07.2021

2.Ltr.No.CE(Irr)/MNCL/DCE/DEE(T)/AEE/2022-23/127, dt.05.05.2022

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### PROCEEDINGS:

1. The Chief Engineer/Irrigation/Mancherla vide reference 1<sup>st</sup> cited above has informed that, Government of Telangana has to irrigate an ayacut of about 135000 Acres(80000Ac New and 55000Ac stabilization) duly forming the 3Nos of New Lift Irrigation schemes to utilize 10 TMC of water from foreshore of Laxmi, Saraswathi & Parvathi barrages of Kaleswaram Project to irrigate in Chennuru Constituency under Kaleswaram Lift Irrigation Scheme.
2. Simultaneously, the Chief Engineer/Irrigation/Mancherla has informed that Government of Telangana has accorded Administrative sanction to irrigate an ayacut of 90,000 Acres and also requested vide reference 2<sup>nd</sup> cited for extension of power supply to Lift-2 at Pokkur pumping station for a load of 20.8MW in Chennur constituency, Mancherla Dist. are as follows.

### Lift Irrigation Scheme at Chennuru constituency:

Sl.No	Name of Pump house	Location	No. of Pumps X Rating of each pump	Power Requirement
1.	PS-2 @ Pokkur	Pokkur(V), Chennur (M), Mancherla (Dist.)	4Nos X 3.15 MW (with Static head of 58.163 M Stage-2a, from Annaram to Arepally Tank) and 2 Nos X 2.45 MW (with Static head of 44.263M Stage-2b, from Annaram to Asnad Tank) and 2 Nos X 1.40 MW (with Static head of 84.163M Stage-2c, from Annaram to Reddipalli Tank)	$(4 \times 3.15 + 2 \times 2.45 + 2 \times 1.40) + 0.5 = 20.80 \text{ MW}$
<b>TOTAL POWER REQUIREMENT</b>				<b>20.80 MW</b>
<b>Total of MVA (20.80/0.95)</b>				<b>21.89 MVA</b>

Contd...(2)

3. After careful consideration, TSTRANSCO has approved the Scheme at a cost of **Rs.3220.393 Lakhs** (Rupees Thirty two Crores twenty Lakhs and thirty nine Thousand three hundred Only) including 10% overhead charges for the works of extension of H.T supply to proposed Pumping station at Pokkuru (V), in Chennuru Constituency under Kaleswaram Lift Irrigation Scheme for a Total C.M.D of **21894.7KVA** 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>3001.446 Lakhs</b>
b)	Development Charges	-	( + ) <b>218.947 Lakhs</b>
	@ Rs.1000/- per KVA for <b>21894.7KVA</b>		
	<b>Total</b>	<b>Rs.</b>	<b>3220.393 Lakhs</b>
	** Security Deposit Charges to be paid to TSNPDCL		<b>219.247 Lakhs</b>
	@ Rs.1000/- per KVA for a load of <b>21894.7KVA</b>		

\*\*The above charges of **Rs. 219.247 Lakhs** which includes connection charges @ Rs30,000 per connection are required to be paid to TSNPDCL 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 at the rate of Rs.1000/- per KVA for 21894.7 KVA (for Pokkur Pump house)	<b>218.947</b>																																																									
2	Execution of 220/11kVLIS Substation at Pokkur pumping station, Chennuru constituency in Mancherial Dist. 2x25 MVA PTRs with 1No metering Bay at 220 kV level.	<b>2017.177</b>																																																									
3	Making LILO one of 220KV TMDC line from the existing 400/220kV Sundilla SS to 220kV Medigadda LI SS line to execution of 220kV TMDC line(3.0KM) to the proposed 220/11kV Pokkur LI SS	<b>695.142</b>																																																									
4	<b>Installation of RTU's in existing 18 No LIS Substations (Telecom)</b> <table border="1"> <thead> <tr> <th>Sl.No</th><th>Name of the Project</th><th>RTU Station</th></tr> </thead> <tbody> <tr><td>1</td><td>Alisagar LIS</td><td>132/11kV Kosli</td></tr> <tr><td>2</td><td></td><td>132/11kV Bagepally</td></tr> <tr><td>3</td><td>Package No.28</td><td>132/11kV Kankapur</td></tr> <tr><td>4</td><td>Hathighat LIS</td><td>132/11kV Hathighat</td></tr> <tr><td>5</td><td></td><td>132/11kV Rangarao Pally</td></tr> <tr><td>6</td><td></td><td>132/11kV Bommakuru</td></tr> <tr><td>7</td><td>J.Chokkarao (Godavari)LIS PH-3</td><td>132/11kV Gandiramaram</td></tr> <tr><td>8</td><td></td><td>132/11kVRS Ghanapur (Rajavaram)</td></tr> <tr><td>9</td><td>LI Scheme at Jogapur (Under Sripada Yellampally Project)</td><td>132/11kV Jogapur SS</td></tr> <tr><td>10</td><td>Kaleshwaram Lift Irrigation Schemes</td><td>132/11kV Malakpet</td></tr> <tr><td>11</td><td></td><td>132/11kV Kannepalli (Beer Sagar)</td></tr> <tr><td>12</td><td>Thotapally Reservoir to Gouravelly Reservoir LIS</td><td>132/11kV Gouravelly (Regonda)</td></tr> <tr><td>13</td><td></td><td>132/11kV Panchadevpad</td></tr> <tr><td>14</td><td>Rajeev (Bhima-I) LIS</td><td>132/11kV Khanapur</td></tr> <tr><td>15</td><td></td><td>132/11kV Marikal</td></tr> <tr><td>16</td><td>Koilsagar LIS (EPC)</td><td>132/11kV Nagireddypally</td></tr> <tr><td>17</td><td>Bhima-2 LIS</td><td>132/11kV Kothakota</td></tr> <tr><td>18</td><td>Bhaktha Ramadasu LIS in Khammam</td><td>132/11kV Dubbathanda</td></tr> </tbody> </table>	Sl.No	Name of the Project	RTU Station	1	Alisagar LIS	132/11kV Kosli	2		132/11kV Bagepally	3	Package No.28	132/11kV Kankapur	4	Hathighat LIS	132/11kV Hathighat	5		132/11kV Rangarao Pally	6		132/11kV Bommakuru	7	J.Chokkarao (Godavari)LIS PH-3	132/11kV Gandiramaram	8		132/11kVRS Ghanapur (Rajavaram)	9	LI Scheme at Jogapur (Under Sripada Yellampally Project)	132/11kV Jogapur SS	10	Kaleshwaram Lift Irrigation Schemes	132/11kV Malakpet	11		132/11kV Kannepalli (Beer Sagar)	12	Thotapally Reservoir to Gouravelly Reservoir LIS	132/11kV Gouravelly (Regonda)	13		132/11kV Panchadevpad	14	Rajeev (Bhima-I) LIS	132/11kV Khanapur	15		132/11kV Marikal	16	Koilsagar LIS (EPC)	132/11kV Nagireddypally	17	Bhima-2 LIS	132/11kV Kothakota	18	Bhaktha Ramadasu LIS in Khammam	132/11kV Dubbathanda	<b>289.127</b>
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	<b>Total Cost of Bulk Load works incl. Development charges and installation of RTU's</b>	<b>3220.393</b>																																																									
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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. 3220.393 Lakhs** shall be collected as Service Line (Bulk load) charges Including Developmental charges from Chief Engineer/Irrigation/Mancherial 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.3253, dated 19.07.2022.

(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/ / TSTRANSCO / Karimnagar.
13. The FA & CCA (Accounts) / TSTRANSCO / VS / Hyderabad.
14. The CGM/Commercial/TSNPDCL/Corporate office/Vidyut Bhavan,Nakkalagutta,  
Hanamkonda/Warangal
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/TSTRANSCO/Karimnagar
22. The Superintending Engineer/OMC/TSTRANSCO/ Karimnagar.
23. The Superintending Engineer/Civil/LIS /TSTRANSCO/Karimnagar
24. The Executive Engineer/LIS/ TSTRANSCO/Nizamabad.
25. The Executive Engineer/Civil/LIS/TSTRANSCO/ Karimnagar
26. The Resident Audit Officer / TSTRANSCO / VS / Hyderabad.

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//FORWARDED BY ORDER//

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