

TRANSMISSION CORPORATION OF TELANGANA LIMITED

ABSTRACT

Extension of Supply for a C.M.D. of 36.1263 MVA at 132 kV level to Pumping Stations near chityala (V), Adavidevulapally (M) of Nalgonda District under Chityala Lift Irrigation Scheme and Wadapally (V), Damarcherla (M) under Wadapally Lift Irrigation Scheme – **Bulk Load Works** - Administrative Approval – Accorded.

T.O.O. (CE-LIS) Ms.No.362

Dt.13 - 05-2019.

Read the following:-

Ref: 1. Lr.No.CE/NSP&AMRP/HYD/DCE-I/OT.1/AEE.5/New LIS/1, 400 CE, Dt.1.2.2018

2. Lr.No.CE/NSP&AMRP/HYD/DCE-I/OT.1/AEE.5/New LIS/1,399 CE, Dt.1.2.2018

PROCEEDINGS:

1. The Chief Engineer /NSP&AMR SLBC Project/ I&CAD / Errammanzil/Hyderabad, Nalgonda District vide ref (1) & (2) cited above has informed that, the Government of Telangana accorded Administrative approval for the following 2 Nos. new pumping stations each at Chityala and Wadapally in Nalgonda district.
 - i) Chityala pumping station is proposed near Chityala (V), Adavidevulapally (M), Nalgonda District to irrigate an ayacut of 12239 acres.
 - ii) Wadapally pumping station is proposed near Wadapally (V), Damarcharla (M), Nalgonda District to irrigate an ayacut of 8610 acres.
- 2 The Chief Engineer /NSP&AMR SLBC Project/ I&CAD / Nalgonda District has requested for extension of power supply at 132 kV level to the following newly proposed Lift Irrigation pumping stations duly furnishing the following Power requirement details.

| Sl. No | Name of Pump house | Location | No. of Pumps X Rating of each pump | Power Requirement |
|------------------------------------|----------------------|---|---|-----------------------------|
| 1. | Chityala Pump house | Near Chityala (V), Adavidevulapally (M), Nalgonda Dist. | 2 No. x 8.33 MW (with discharge of 5.79 cumecs pumping head of 109.29Mtr) | 16.66 +0.5 = 17.16MW |
| 2 | Wadapally Pump house | near Wadapally (V), Damarcharla (M), Nalgonda District | 2 No. x 8.33 MW (with discharge of 5.79 cumecs pumping head of 109.29Mtr) | 16.66 +0.5 = 17.16MW |
| TOTAL POWER REQUIREMENT | | | | 34.32 MW |
| Total of MVA = (34.32/0.95) | | | | 36.1263 MVA |

Note: 0.5MW is the auxiliary load.

contd.....2

- 3 After careful consideration, TSTRANSCO approves a Scheme at a cost of **Rs. 6092.80** Lakhs including GST for the works of extension 132 kV supply to Pumping Station under Chityala Lift Irrigation Scheme & Wadapally Lift Irrigation Scheme in Nalgonda District for a C.M.D of 36.1263 MVA at 132kV level as detailed below:

| SL. No. | Description | Amount (Rs. In lakhs.) | |
|------------|---|-------------------------|-----------------|
| I | Developmental charges at the rate of Rs.1000/- per KVA for 36.12632 MVA (for Both Chityala and Wadapally Pump houses) | | 361.2632 |
| II | Chityala 132/11KV SS and connected works | | |
| (a) | Erection of Terminal and Metering arrangements at proposed Chityala 132/11 kV Substation | 436.80 | |
| (b) | i) Erection of 1 No. 132 KV BAY extension at existing 132/33 KV Haliya SS for extension of supply to proposed 132/11 KV Chityala LIS substation feeder. | 126.90 | |
| (c) | i) Erection of 132 KV DC/SC line from existing 132/33 KV Haliya SS to proposed 132/11 KV Chityala SS: 28 km ii) Communication on the above line. | 1784.44 | |
| | TOTAL | 2348.14 | 2348.14 |
| III | Wadapally 132/11KV SS and connected works | | |
| (a) | Erection of Terminal and Metering arrangements at proposed New Wadapally 132/11 kV Substation | 436.80 | |
| (b) | i) Erection of 1 No. 132 KV BAY extension at existing 132/33 KV New Wadapally SS for extension of supply to proposed 132/11 KV Wadapally LIS substation feeder. | 126.90 | |
| (c) | (i) Erection of 132 KV DC/SC line from existing 132/33 KV New Wadapally SS to proposed 132/11 KV Wadapally LIS SS: 12 km (ii).Erection of 132 KV DC/SC line from Proposed 132/11 KV Chityala SS to proposed 132/11 KV Wadapally LIS SS: 22 km (iii) Communication on the above two lines. | 2166.82 | |
| | TOTAL | 2730.52 | 2730.52 |
| | Total of (BL) (I+II+III) in Rs. Lakhs | | 5439.92 |

Or say in Rs. Lakhs 5440.00

Add GST @ 12% - (Rs.5440.00+(5440.00*12% GST))
GRAND TOTAL - 6092.80 Lakhs.

- 4 “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 Northern Power Distribution Company of Telangana Limited, the distribution and retail supply licensee in the area covered by the revenue districts of Nizamabad, Adilabad, Karimnagar, Warangal and Khammam and Southern Power Distribution Company of Telangana Limited, the distribution and retail supply licensee in the area covered by the Revenue districts of Hyderabad, Ranga reddy, Mahaboob Nagar, Nalgonda and Medak 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).”

- 5 The sanction accorded in Para No.3 above is subject to instructions issued by the TSTRANSCO on release of services and tariff as may be in force from time to time.
- 6 The works will be executed by the Chief Engineer/LIS/VS/TSTRANSCO/HYD.
- 7 An amount of **Rs. 6092.80 lakhs** shall be collected as Cost of estimates, Developmental charges, Spares and 10% of Establishment & Overhead charges from Chief Engineer/ NSP&AMR SLBC Project / I&CAD /Nalgonda for taking up the works by TSTRANSCO.
- 8 The Technical Sanction will be accorded by the Chief Engineer/LIS/VS/ TSTRANSCO/HYD.
- 9 The order is issued with the concurrence of **JMD (FINANCE, COMML., HRD)** vide Regd.No.1691, dated 22.04.2019.

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

Encl: Annexure - I

Sd/-
**CHAIRMAN&MANAGING DIRECTOR
TSTRANSCO**

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

Copy to:

1. The Executive Director /LIS/ TSTRANSCO/ VS/ Hyd.
2. The Executive Director /Finance /TSTRANSCO /VS/ Hyd.
3. The Chief Engineer / Comml. & RAC /TSTRANSCO / VS / Hyderabad.
4. The Chief Engineer / Transmission /TSTRANSCO / VS / Hyderabad.
5. The Chief Engineer / Construction /TSTRANSCO / VS / Hyderabad.
6. The Chief Engineer / Civil /TSTRANSCO / VS / Hyderabad.
7. The Chief Engineer / Telecom /TSTRANSCO / VS / Hyderabad.
8. The Chief Engineer / SLDC / TSTRANSCO / VS / Hyderabad
9. The Chief Engineer /Rural Zone/ TSTRANSCO / Erragadda/Hyd.
10. The Chief Engineer / Power System/ TSTRANSCO / VS/Hyd.
11. The FA & CCA (A/cs) & CFO / TSTRANSCO / VS / Hyderabad.
12. The SE (T) to CMD / TSTRANSCO / VS / Hyderabad.
13. The Superintending Engineer/Power Systems/TSTRANSCO/VS/Hyderabad.
14. The Superintending Engineer /LIS/Hyd- Rural/TSTRANSCO/Hyderabad
15. The Superintending Engineer/OMC/TSTRANSCO/Sangareddy.
16. The Superintending Engineer/OMC/TSTRANSCO/Nalgonda.
17. The DE(T) to Director (Projects)/ TSTRANSCO / VS / Hyderabad
18. The DE (T) to Director (Transmission)/ TSTRANSCO / VS / Hyderabad.
19. The ADE(T) to Director (LIS)/ TSTRANSCO / VS / Hyderabad
20. The PS to Director (Grid Operation)/ TSTRANSCO / VS / Hyderabad
21. The PS to JMD (FINANCE, COMML., HRD) / TSTRANSCO / VS / Hyderabad
22. The Executive Engineer-I/LIS/ TSTRANSCO/Mahaboobnagar.
23. The Executive Engineer-II/LIS/ TSTRANSCO/Mahaboobnagar.
24. The Executive Engineer-III/LIS/ TSTRANSCO/Mahaboobnagar.
25. The Divisional Engineer/TL&SS/TSTRANSCO/Nalgonda.
26. The Resident Audit Officer / TSTRANSCO / VS / Hyderabad.
27. C.R.D. / TSTRANSCO / VS / Hyderabad.