**ORDER NO: 138 DT: 05.12.2013**

**TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED**

 O/o SUPERINTENDING ENGINEER,

 TL&SS CIRCLE :: KADAPA.

**Memo.No.SE/TL & SS/Kdp/ADE-T/AE-T /F.40 ./D.No. /13, Dt. -11-13.**

 **Sub: APTRANSCO - TL&SS Circle /Kadapa** – Dismantling of old C&S make

 (Mfg.Year, 1980) 132 KV Control & Relay Panels and erection of new 132 KV

 Control & Relay panels for 132 KV Puttur feeder-I at 220 KVSS/ Renigunta –

 Estimate – Sanctioned – Reg.

  **Ref**: Lr.No.DE/TL &SS/TPT/AE-T/ F.No. 31 / D.No. 1277/13, Dt. 25-10-13.

**@@@@**

Under the powers delegated vide T.O.O.No.CE (Transmission)Ms.No.

229, Dt.18-9-10 item No. 4(b) enhancement of delegation of powers, the undersigned is pleased to accord sanction to the estimate “Dismantling of old C&S make (Mfg.Year, 1980) 132 KV Control & Relay Panels and erection of new 132 KV Control & Relay panels for 132 KV Puttur feeder-I at 220 KVSS/ Renigunta”.

 The cost of the estimate works out to **Rs. 4,24,545-00** (Rupees Four lakhs twenty four thousand five hundred and forty five only)

 The estimate is technically sanctioned and registered as RMI No. 57/13-14 and the work should be taken up subject availability budget provision.

 The expenditure is chargeable to A/C.No. 14.500 of 220 KVSS Renigunta under TL & SS Division, Tirupati under RMI scheme for the year 2013-14.

 **SUPERINTENDING ENGINEER, TL & SS CIRCLE :: KADAPA.**

**To**

The Divisional Engineer/TL & SS/ Tirupati.

The Asst. Divisional Engineer/M/220 KV SS Renigunta.

# Along with estimate Encl: One estimate.

Copy submitted to the Chief Engineer/Kadapa Zone/Kadapa.

Copy to the Accounts Officer/TL & SS Circle/Kadapa.

**REPORT TO ACCOMPANY THE ESTIMATE**

**Name of the work** : The proposal envisages for the dismantling of old C&S make (Mfg.Year, 1980) 132 KV Control & Relay panels and the erection of new 132 KV Control & Relay panels for 132 KV Puttur feeder-I at 220 KVSS Renigunta.

**Proposal in brief:**

 The proposal envisages for the dismantling of old SANAG I&C systems make (Mfg. Year, 1980) 132 KV Control & Relay panels and the erection of new 132 KV Control & Relay panels for 132 KV Puttur feeder-I at 220 KVSS Renigunta. The existing 132 KV Control & Relay panels on 132 KV Puttur feeder-I is commissioned in the year 1981. It was served more than 30 years. It is having the relays of old Electro Mechanical type ER Relay & often found sluggish in operation during the fault conditions. The panel meter MW & MVAR are not working and the annunciation is also not available in the panel. The MRT wing also recommended to replace the control cable, LT AC & DC cables from control room to yard due to frequent troubles with existing cables. In this connection it is replacement of old C&R panel with new C&R panel for 132 KV Puttur-I feeder as the feeder is feeding 132 KV feeder loads at 132 KVSS Puttur under RMI scheme & prepared as per the SSR 2013-14. The estimate entered in ERP vide EST-8303.

**Cost of the estimate:**

 The cost of the estimate works out to **Rs. 4,24,545-00** (Rupees Four lakhs twenty four thousand five hundred and forty five only)and the expenditure is chargeable to A/c.No.14-500 of 220 KVSS Renigunta.

**Conclusion:** The estimate is now sanctioned.

 SUPERINTENDING ENGINEER,

 TL & SS CIRCLE :: KADAPA.

**DETAILED ESTIMATE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Description of Work | Qnty. | Rate/Per | Amount |
|  | MATERIAL PORTION |  |  |  |
| 1 | 132 KV Control & relay feeder panel as per cost data of equipment/ materials of 10-11. | 1 No. | 370280-00 | 3,70,280-00 |
| 2 | Control cable 12 core x 2.5 Sq.mts. for 132 KV Puttur-I feeder.  | 300 mts. | 108112-60 KM | 32433-78 |
| 3 | Control cable 6 core x 2.5 Sq.mts. for 132 KV Puttur-I feeder. | 300 mts. | 57738-00 KM | 17321-40 |
|  | Labour Portion |  |  |  |
|  | Labour charges for Dismantling & Erection of new control & Relay panels. | LS |  | 4,510-00 |
|  | **Total** | **4,24,545-18** |
|  | **Or say** | **4,24,545-00** |

(Rupees Four lakhs twenty four thousand five hundred and forty five only)

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**LABOUR PORTION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Particulars | Qnty. | Rate/Per | Amount |
| 1 | Dismantling of 1 No. C&R panel 132 KV Puttur feeder-I at 220 KVSS Renigunta (75% erection charges). | 1 No. | 1592-00 | 1592-00 |
| 2 | Erection of new control & relay panel for 132 KV Puttur-I feeder at 220 KVSS Renigunta. Sl.No. CS56, item no. 24, P.15 | 01 No. | 2122-00 | 2122-00 |
| 3 | Drilling of holes of various sizes (16mm to 25mm) for providing cable entry of new C&R panels for 132 KV Puttur feeder-I (as per loal market rates). | 15 Nos. | 20-00 | 300-00 |
| 4 | Labour charges for Cable laying. | 600 mts | To be executed by Deptl. Contract staff. |
| 5 | Cable termination in C&R panels including providing suitable ferrules & lugs for 2.5 Sq.mm Copper with Copper lugs. | LS | To be executed by MRT wing , Tirupati |
|  |  |  |  | 4014-00 |
|  | Service Tax @ 12.36% of sub-total |  |  | 496-00 |
|  |  |  | Total | 4510-00 |

SUPERINTENDING ENGINEER,

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