**ORDER NO:142 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 SANAG I&C System

 make (Mfg.Year, 1984) 132 KV Control & Relay panels and erection of new 132 KV

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

 Estimate – Sanctioned – Reg.

  **Ref**: Lr.No.DE/TL &SS/TPT/AE-T/ F.No. 31 / D.No. 1276/13, Dt. 25-10-13.

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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 SANAG I&C System make (Mfg.Year, 1984) 132 KV Control & Relay panels and erection of new 132 KV Control & Relay panels for 132 KV Srikalahasthi feeder-I at 220 KVSS/ Renigunta”.

 The cost of the estimate works out to **Rs. 3,74,790-00** (Rupees Three lakhs seventy four thousand seven hundred and ninety only)

 The estimate is technically sanctioned and registered as RMI No.

 61/13-14 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 SANAG I&C System make (Mfg.Year, 1984) 132 KV Control & Relay panels and erection of new 132 KV

Control & Relay panels for 132 KV Srikalahasthi feeder-I at 220 KVSS/ Renigunta.

**Proposal in brief:**

 The proposal envisages for the dismantling of old SANAG I&C systems make (Mfg. Year, 1984) 132 KV Control & Relay panels and the erection of new 132 KV Control & Relay panels for 132 KV Srikalahashi feeder-I at 220 KVSS Renigunta. The existing 132 KV Control & Relay panels on 132 KV Srikalahsti feeder-I is commissioned in the year 1984. It was served more than 28 years. It is having the relays of old Electro Mechanical type English Electric Relays & often found sluggish in operation during the fault conditions & the panel meters are not showing correct readings (Amps MW & MVAR). During the inspection of 3rd party protection audit team (PGCIL, SRPC, TNEB) to 220 KVSS Renigunta, it is instructed for replacement of obsolete SANAG I&C systems make C&R panels with new C&R panel. In view of importance of feeding to pilgrim city of Srikalahasti and 132 KV Railways feeder at 132 KVSS Venkatagiri, it is essential to have an absolutely trouble free feeder C&R panel. In this connection it is proposed for the estimate including cost of C&R panel under RMI scheme & prepared as per the SSR 2013-14. The estimate entered in ERP vide EST-8302.

**Cost of the estimate:**

 The cost of the estimate works out to **Rs. 3,74,790-00** (Rupees Three lakhs seventy four thousand seven hundred and ninety 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**

Dismantling of old SANAG I&C System make (Mfg.Year, 1984) 132 KV Control & Relay panels and erection of new 132 KV Control & Relay panels for 132 KV Srikalahasthi feeder-I at 220 KVSS/ Renigunta.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 | 370280-00 |
|  | Labour portion |  |  |  |
|  | Labour charges for Dismantling & Erection of new control & Relay panels. | LS |  | 4,510-00 |
|  | **Total** | **3,74,790-06** |
|  | **Or say** | **3,74,790-00** |

(Rupees Three lakhs seventy four thousand seven hundred and ninety only)

SUPERINTENDING ENGINEER,

 TL & SS CIRCLE :: KADAPA.

**LABOUR PORTION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Particulars | Qnty. | Rate/Per | Amount |
| 1 | Dismantling of 1 No. C&R panel 132 KV Srikalahasti 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 Srikalahasti feeders at 220 KVSS Renigunta as per SSR 13-14 page no. 15 item no. 24. | 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 Srikalahasti feeder (as per local market rates). | 15 Nos. | 20-00 . | 300-00 |
| 4 | Cable termination in C&R panels including providing suitable ferrules & lugs for 2.5 Sq.mm Copper with Copper lugs. | To be executed by MRT wing , Tirupati | -- |
|  |  | Sub – Total | 4014-00 |
|  | Service Tax @ 12.36% of sub-total |  |  | 496-00 |
|  |  |  | Total | 4510-00 |

SUPERINTENDING ENGINEER,

 TL & SS CIRCLE :: KADAPA.