**ORDER NO: 135, DT:05.12.2013.**

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

O/o. THE SUPERINTENDING ENGINEER,

 TL & SS CIRCLE, APTRANSCO, KADAPA.

Memo. No. SE/TL & SS/Kdp/ADE-T/AE-T1/ F.40 /D.No. 2450 /13, Dt: 20 -11-13.

 Sub:- TL & SS Circle/Kadapa – “Reconstruction of collapsed compound wall

 due to heavy rains at 132 KVSS Chandragiri” – Revised estimate as per

 SSR 2013-14 – Sanctioned – Regarding.

 Ref: Lr.No. EE/ Civil/TLC/KDP/F. 237 /D.No. 865 /13, Dt. 29-10-13.

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

MS.No.229, Dt. 18-09-10, item No. 4 (b) of revised delegation of powers, the under signed is pleased to accord sanction to the Estimate towards ”Reconstruction of collapsed compound wall due to heavy rains at 132 KVSS Chandragiri”

 The cost of the estimate works out to Rs. 1,26,814-00. (Rupees One lakh twenty six thousand eight hundred and fourteen only)

 The estimate is technically sanctioned and registered as O&M civil No. 54/13-14 and the work should be taken up subject to the availability of budget provision.

 The expenditure is chargeable to A/c.No. 74.300 of 132 KVSS Chandragiri under TL&SS Division/ Tirupati under civil works for the year 2013-14.

 SUPERINTENDING ENGINEER,

 TL & SS CIRCLE :: KADAPA.

To

The Divisional Engineer/TL&SS/Tirupati.

Copy to Executive Engineer/ Civil/ O&M/Kadapa.

Copy to the Asst. Executive Engineer/O&M/ Civil/ Tirupati.

#Along with estimate Encl: One estimate.

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

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

**REPORT TO ACCOMPANY THE ESTIMATE**

 **Rs. 1,26,814-00**

**Name of the work** : Reconstruction of collapsed compound wall due to heavy rains at 132 KVSS Chandragiri.

**Proposal in brief:** The estimate is prepared based on the indent vide Lr. No. ADE/M/ 132 KVSS/Tirupati/F/2/D.No.255/11, Dt. 21-09-2011. During heavy rains at Chandragiri the existing old compound wall was fell down for a length of 20RM on south side at mid night. To avoid thefting of costly equipment in the sub station compound wall has to be reconstructed urgently.

 Hence the estimate is necessitated.

 The following are the main provisions made in the estimate.

1. Dismantling of collapsed compound wall and disposing the debris.
2. Earth work excavation for compound wall.
3. Sand filling.
4. PCC(1:4:8)
5. RR masonry foundation
6. BM for compound wall
7. PCC(1:3:6) for plasters.
8. S&F of Y angles.
9. Barbed wire fencing.

10.&11. Plastering for even and uneven faces.

 12. Flush pointing for RR walls above GL.

 13. White washing for compound wall.

 The estimate is prepared as per the common SSR of AP Government for the year 2013-14 with the revised data.

**Cost of the estimate:** The total cost of the estimate works out to Rs. 1,26,814-00. (Rupees One lakh twenty six thousand eight hundred and fourteen only). The expenditure is chargeable to O&M of 132 KVSS Chandragiri for the year 2013-14.

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

 SUPERINTENDING ENGINEER,

 TL & SS CIRCLE :: KADAPA.

ABSTRACT ESTIMATE

NAME OF THE WORK : – Reconstruction of collapsed compound w all due to heavy rains at 132 KVSS, Chandragiri.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Quantity | Description of item of work | BasicRate | Per | Amount |
| 1 |  |  | Dismantling of brick masonry /stone masonry portion of collapsed compound wall including disposal of the same away from substation premises etc complete for finished item of work and stack the useful materials at SS premises for reuse.  |  |  |  |
| A | 8.00 | Cum | a) brick masonry | 159.18 | 1 Cum | 1273.44 |
| B | 8.00 | Cum | b) stone masonry(stack the useful RR stones at SS premises) | 425.34 | 1 Cum |  |
| 2 | 13.00 | Cum | Earthwork excavation in all types of soils (up to stone matrix) which can be excavated with pick axe and crow bars and do not require blasting in all conditions such as dry, wet and slushy etc. covering initial lead and lift etc and black filling the foundations (after laying foundations) with excavated earth complete as per the directions of the Engineer in charge for the finished item of work. | 141.67 | 1 Cum | 1841.71 |
| 3 | 3.00 | Cum | Providing sand cushion for foundations and basement including cost & conveyance of all materials, labour charges, leads, lifts, watering and consolidating to required density complete as per the directions of the engineer in charge for the finished item of work. | 571.94 | 1 Cum | 1715.82 |
| 4 | 3.00 | Cum | Laying of cement concrete(1:4:8) mix using 40 mm size HBG metal for foundations including cost and conveyance of all materials at all leads and lifts, ramming, consolidating, curing etc., complete. For finished item of work as per directions of the Engineer-in-charge. | 3532.41 | 1 Cum | 10597.23 |
| 5 | 10.00 | Cum | Construction of RR Masonry in CM (1:6) using hard rough stone other than granite and bond stones (0.16 cum) including cost and conveyance of all materials, labour charges, water lead, curing, all leads and lifts etc., complete for finished item of work as per directions of the engineer-in-charge. | 2902.89 | 1 Cum | 31931.79 |
| 6 | 10.00 | Cum | Brick Masonry in CM (1:6) with 2nd class bricks traditional size 23x11x7 cms of approved quality, including cost & conveyance of all materials, labour charges, scaffolding leads, lifts and curing complete as per the directions of the Engineer in charge for the finished item of work. | 4261.64 | 1 Cum | 42616.40 |
| 7 | 0.20 | Cum | Plain cement concrete nominal mix (1:3:6) with 12 to 20mm HBG metal for encasing/ embedding he structural steel supporting ‘Y’ angles with necessary form work including cost and conveyance of all materials, labour charges, water charges, tools and tackles, all leads & lifts etc., complete for finished item of work as per directions of the engineer-in-charge(IS-456) | 4666.32 | 1 Cum | 933.26 |
| 8 | 40.00 | KG | Supply and fixing Y angles in position MS Angles of size ISA 45mmx45mmx5mm for compound wall and MS pipes for sheet roof, painting with two coats of synthetic enamel paint of approved quality, make, colour and shade over a coat of red oxide including cost & conveyance of all materials, labour charges, leads, lifts complete as per the directions of the engineer in charge for the finished item of work. | 79.58 | 1 Kg | 3183.20 |
| 9 | 110.00 | RM | Supplying and fixing galvanized steel barbed wire (IS:278-1962 Type I) weighing 9.38 Kg per 100 metres (mi)., Straining and fixing to any type of standard, rails, straining bolts, including securing with and provision of galvanized mild steel wire, stapples or steel pins, etc., as directed (Posts and struts of wood, concrete, steel etc.) and straining bolts shall be paid for separately) | 11.39 | 1 RM | 1252.90 |
| 10 | 50.00 | Sqm | Plastering to Uneven surfaces of RR/ CR, brick/PCC with CM (1:5) 20mm, thick including cost & conveyance of all materials, labour charges, leads, lifts and curing complete as per the directions of the engineer in charge for the finished item of work. | 171.94 | 1 Sqm | 8597.20 |
| 11 | 40.00 | Sqm | Plastering to Uneven surfaces of RR/ CR, Brick/PCC with CM(1:5) 20mm, thick including cost & conveyance of all materials, labour charges, leads, lifts and curing complete as per the directions of the engineer in charge for the finished item of work. | 147.18 | 1 Sqm | 5887.20 |
| 12 | 15.00 | Sqm | Flush pointing with CM (1:3) to RR masonry including cost and conveyance of all materials, all leads and lifts complete as per the directions of the engineer in charge for the finished item of work | 63.14 | 1 Sqm | 947.10 |
| 13 | 100.00 | Sqm | White washing two coats with Surya cem of approved quality to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials including cost of all materials, labour charges and incidental such as scaffolding, lifts charges etc., complete for finished item of work | 27.90 | 1 Sqm | 2790.00 |
|  |  |  | Sub total (Inclusive in materials cost) | 116969.77 |
|  |  |  | WCT @ on sub total |  |
|  |  |  | ST @ 12.36% on 60% of sub total | 8674.48 |
|  |  |  | Cess @ 1% of sub total | 1169.70 |
|  |  |  | Total | 126813.95 |
|  |  |  | Or say | 126814.00 |

(Rupees One lakh twenty six thousand eight hundred and fourteen only)

 SUPERINTENDING ENGINEER,

 TL & SS CIRCLE :: KADAPA.