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ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
OFFICE OF THE DEPUTY GENERAL MANAGER (ELECTRICAL)
EHT (O&M) DIVISION, ROURKELA
C-1/1, TARKERA BIDYUT COLONY, PANPOSH, ROURKELA-769004
CIN- U40102OR2004SGC007553

Notice -03/2019-20


For and on behalf of OPTCL sealed tenders are invited from Contractor/ Firm having Electrical Contract license (HT), valid labour license, PAN, GST Registration No. to carry out "Installation of 2nd Station transformer of 33/0.4KV, 500KVA & others associated work with station transformer at Grid S/s, Tarkera".

| SL. NO | DESCRIPTION | COST OF TENDER PAPER | Completion Period |
|--------|---|----------------------------------|--------------------------------------|
| 01 | Installation of 2 nd Station transformer of 33/0.4KV, 500KVA & others associated work with station transformer at Grid S/s, Tarkera under PSDF scheme. | Rs. 2000/- + GST @12% = Rs2240/- | 30 days from the issue of work order |

The tender specification shall be obtained from the Office of the undersigned on payment of requisite amount (non-refundable) in shape of cash/ Demand Draft in favour of Dy. General Manager, EHT (O & M) Division, Rourkela payable at Rourkela, Odisha. Additional amount of Rs.100/- (Rupees one hundred) only may be paid for postal delivery of tender document. The undersigned shall not be held responsible for any postal delay. The bid must be accompanied with an amount **-1% of quoted value** as EMD in shape of DD drawn in favour of Dy. General Manager, EHT(O & M) Division, Rourkela payable at Rourkela, Odisha. The tender documents will be opened in the office of the undersigned in the presence of the Bidders (or) their Authorized Representatives present on the day of opening. If the last date of receipt opening of Tender falls in holiday, then the Tender paper will be Received/opened in the next working days.

Date of Sale of Tender Paper: **Dt. 07.09.19 to 19.09.19.** (During Office Hours) Last
Date of Receipt of Tender Paper: **Dt. 20.09.19 up to 1.00 PM**
Date of Opening of Tender Paper: **Dt. 20.09.19 at 4.00 P.M.**

The undersigned reserves the right to accept or reject any all tenders without assigning any reason thereof. For details please visit our web site: www.optcl.co.in. Corrigendum if any will be published in the web site only.


General Manager
EHT (O & M) Division Rourkela

SECTION - III

Scope of Work: Installation of 2nd Station transformer of 33/0.4KV, 5000KVA & others associated work with station transformer at Grid S/s, Tarkera.

| Sl No. | Description of work | Unit | Quantity |
|----------------------|--|------|----------|
| A. CIVIL WORK | | | |
| 1 | 33 KV 400 amp 3 pole AB Switch. | Set | 1 |
| 2 | 33 KV 3pole HG fuse | Set | 1 |
| 3 | Pressure channel (100*50*6) mm, 3mtrs long ,2 nos (9.2Kg/mtr) | Kg | 55.2 |
| 4 | AB Switch & HG Fuse mounting channel (75*40*6mm), 3 mtr long,4 nos. (6.8kg/mtr) | Kg | 81.6 |
| 5 | Cantilever channel for supporting AB Switch Arm (75*40*6mm) 1 mtr long, 2 nos. (6.8kg/mtr) | Kg | 13.6 |
| 6 | Cantilever channel for supporting HG fuse, Arm (50*50*6mm) Angle ,1mtr long 2 nos. (4.5kg/mtr) | Kg | 9 |
| 7 | Angle for cantilever arrangement to AB switch with HG FUSE (50*50*6MM) 2 Mtrseach,2 Nos. (4.5KG/mtr) | Kg | 18 |
| 8 | 9 mtr Joist pole(section-152x152mm) | No | 2 |
| 9 | Earthing of Support (coil type) | No | 6 |
| 10 | MS nuts bolts with washer as per required size | KG | 25 |
| 11 | No 8 GI wire for Earthing | Kg | 9 |
| 12 | 400 AMP,,4P, change over switch(HPL/HAVELLS/STANDARD) | No | 1 |
| 13 | PVC sheathed / XLPE power cable of 1.1 KV grade of size 300 sq.mm for 33 KV | Mtr | 100 |
| B. ERECTION | | | |
| 1 | Erection of DP structure with mounting LA, AB switch, HG fuse, Cantilever structure for AB switch & HG fuse | Set | 1 |
| 2 | Erection of 500 KVA 33/0.4 KV station Transformer | No | 1 |
| 3 | Laying of 300 Sq mm LT Aluminum power Armored / Unarmored cable including fixing of cable trays with terminal connections both at equipment & panels with supply and fixing of lugs, glands with crimping and clamps made of aluminum, fixing of cables on the trays with bolts and nuts, supply an fixing of PVC bend and pipes (where required) / Excavation and laying underground where required. | Mtr | 100 |
| 4 | Laying of 120 Sq mm LT Aluminum power Armored / Unarmored cable including fixing of cable trays with terminal connections both at equipment & panels with supply and fixing of lugs, glands with crimping and clamps made of aluminum, fixing of cables on the trays with bolts and nuts, supply an fixing of PVC bend and pipes (where required) / Excavation and laying underground where required. | Mtr | 300 |

| C.CIVIL PORTION | | | |
|----------------------------------|---|------|-------|
| 1 | Excavation for foundation of equipments (soft/Loose) soil (2.30*2.10*1.70mtr) = 8.21 | Cum | 8.21 |
| 2 | Supply and spreading of loose fine, clear good quality river sand/crusher dust in switch yard, including stacking for measurement with supply of all labour & T&P (2.30*2.10*0.1) = 0.48 | Cum | 0.48 |
| 3 | Supply of all materials, good quality planks, ballas, shuttering plates for centering, shuttering, supply of good quality 20mm machine broken granite chips, good quality river sands and concreting, curing for foundation transformer as per IS:4156 including cost of taxes, royalties, lead lift, labour and T&P. (With cost of cement and without steel). (1:3:6). PCC (1:3:6) 2.30* 2.10*0.1 = 0.48 | Cum | 0.48 |
| 4 | Supply of all materials, good quality planks, ballas, shuttering plates for centering, shuttering, supply of good quality 20mm machine broken granite chips, good quality river sands and concreting, curing for foundation transformer as per IS:4156 including cost of taxes, royalties, lead lift, labour and T&P. (With cost of cement and without steel). RCC (1:1.5:3) | | |
| a | 2*1.8*2.5=9.0 Cum | Cum | 9 |
| 5 | Supply of rod 8 mm | KG | 33.02 |
| a | (11 nos. *7.60 mtr. *0.395 KG/ mtr) = 33.02 | | |
| b | Supply of rod 10 mm | KG | 67.88 |
| | {(9nos.*6.80+(7nos.*7)}0.616 KG/mtr = 67.88 | | |
| 6 | Cutting, bending, binding placing in position of steel rod for foundation concreting including cost of binding wire. (without supply of rod) of RINL/SAIL/TATA make | MT | 0.1 |
| 7 | Pipe earthing including excavation of earth, treatment of bentonate compound, back filling with borrowed earth, termination to earth mat riser by nut bolting, apply of paint where necessary with supply of all labour and T&P as per 155-3043 (With cost of earthing pipe & flat). | Nos. | 3 |
| D.POLE CONCRETING DETAILS | | | |
| 1 | Excavation for foundation of equipments (soft/Loose soil) (0.9*0.9*1.40)*2 | Cum | 2.268 |
| 2 | Supply and spreading of loose fine, clear good quality river sand/crusher dust in switch yard, including stacking for measurement with supply of all labour & T&P (0.9*0.9*0.1)*2 | Cum | 0.162 |
| 3 | Supply of all materials, good quality planks, ballas, shuttering plates for centering, shuttering, supply of good quality 20mm machine broken granite chips, good quality river sands and concreting, curing for foundation transformer as per IS:4156 including cost of taxes, royalties, lead lift, labour and T&P. (With cost of cement and without steel). PCC (1:3:6) : (0.90* 0.90*0.1)*2 | Cum | 0.162 |

| | | | |
|---|---|-----|-------|
| 4 | Supply of all materials, good quality planks, ballas, shuttering plates for centering, shuttering, supply of good quality 20mm machine broken granite chips, good quality river sands and concreting, curing for foundation transformer as per IS:4156 including cost of taxes, royalties, lead lift, labour and T&P. (With cost of cement and without steel). RCC (1:1.5:3) : (0.90m* 0.90m* 1.2m)*2 | Cum | 1.944 |
|---|---|-----|-------|

***Note:-**

- * The materials to be used should confirm to relevant ISS.
- * The cement to be used should of 53 grade and make-Konark/ Ultratech/ACC Cement only.
- * The rod to be used should be of TATA/RINL/SAIL make only.