



ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡ.
ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

OFFICE OF THE GENERAL MANAGER,
EHT (O&M) CIRCLE, CUTTACK

At: Madhusudan Nagar, Tulsipur, Cuttack-753008

Phone: 0671-2970226/2300226/2300547. Email: ehtm.cle.ctc@optcl.co.in

OPEN TENDER CALL NOTICE NO. 08/CTC/2020-21

Sealed tenders are invited by the undersigned for “*Repair of damaged tower legs with welding and cooping of legs in the 132KV Dhenkanal-Khuntuni-ICCL-Choudwar Circuit II and Nuapatna-Arati-Choudwar Circuit I DC line*” under EHT (O&M) Division, Choudwar from experienced bidders having valid Civil contractor license issued by Govt. of Odisha/ Govt. of India/ Railways/ Military and possessing valid I.T. Pan Card / GST registration and clearance certificates.

1. **Cost of Tender Paper:** Rs 4480/- (Rs.4000 + GST@12%: Rs.480) (Non-refundable) in shape of Cash / DD.
2. **EMD:** Rs 10000/- in shape of DD only.
3. **Estimated Amount:** Rs 9,91,746/- (Rupees nine lakhs ninety one thousand seven hundred and forty six) only

The detail tender specification can be obtained from the office of the undersigned, on payment of dues as mentioned above during office hours from **Dt.19.03.2021 to Dt.15.04.2021**. The tenders shall be received up to **3 P.M. on Dt.16.04.2021** and shall be opened at **4.00P.M on Dt.16.04.2021** on same date in the office of the undersigned.

The *Demand draft towards tender paper cost and EMD is to be* drawn in favour of **EHT (O&M) Circle, OPTCL, Cuttack, Payable at Cuttack**. Tenders without EMD will be rejected. Bidders are advised to go through the specification before submission of the tender. This office will not be responsible for non-receipt / late receipt of tender document due to postal delay. All other terms and conditions of OPTCL purchase & contract regulation will also be applicable to the successful bidders while placing the work order.

It is to be noted that the EMD shall be returned to the bidders on written request after finalization of the tender and EMD of those bidders shall be forfeited those who have not claim the refund within one year of issue of order. The estimated quantity of the work is mentioned below for the reference of the bidders.

Addendum or Corrigendum if any will be published in the website only. The undersigned reserves the right to reject any or all the tenders without assigning any reason thereof.

A. SCHEDULE OF QUANTITY

Sl. No	Description of Work	Unit	Qty.
1	Earth work and excavation in ordinary soil within 50m initial load and 1.5m initial lift including rough dressing and breaking of clods to maximum 5cm to 7cm and back filling including cost, conveyance, taxes of all labour with T&P required etc as per the direction of Engineer in charge: $(1.2 \times 1.2 \times 0.6) - (0.350 \times 0.350 \times 0.6) = 0.864 - 0.073 = 0.791 \times 76\text{nos of tower legs} = 60.12\text{Cum}$	Cum	60.12
2	Breaking of concrete foundation for replacement / renovation work, clearing debris within 50m lead from the tower location as per the instruction of the Engineer-in-Charge (Including Supply of T&P, Labour etc. necessary for the work). $0.35 \times 0.35 \times 0.4 = 0.049 \times 76\text{nos of tower legs} = 3.724\text{cum}$	Cum	3.724
3	Cooping of legs & side angle with providing and laying of ordinary plain / reinforced concrete work of grade M-20 (1:1.5:3) with good quality hard granite crusher broken stone chips of nominal size of 12mm inclusive of cost of cement. a) Legs: $0.35\text{m} \times 0.35\text{m} \times 1.2\text{m} = 0.147\text{Cum}$, b) Leg side angles : $0.2\text{m} \times 0.2\text{m} \times 0.8\text{m} = 0.032 \text{ Cum}$, c) Sub-total (for each leg) = $0.147 \text{ Cum} + 0.032\text{Cum} = 0.179 \text{ Cum}$ d) Total = $0.179\text{cum} \times 76\text{nos of tower legs} = 13.60 \text{ Cum}$	Cum	13.60 4
4	Steel Rod (TATA/RINL/SAIL Make):- Cutting, bending, hooking, fixing and binding in position of MS bars for reinforcement of foundation concrete including supply of wire for binding. 8mm rod = $1.2 \times 4 + 0.8 \times 4 \times 2 = 4.8\text{mtr} + 6.4\text{mtr} = 11.2\text{mtr} \times 0.39\text{kg/mtr} = 4.37\text{kg}$ 6mm rod = $1.4 \times 7 + 0.85 \times 10 = 9.8\text{mtr} + 8.5\text{mtr} = 18.3\text{mtr} \times 0.23\text{kg/mtr} = 4.21\text{kg}$ Sub-Total for each leg = $4.37\text{kg} + 4.2\text{kg} = 8.57\text{kg}$ Total = $8.57\text{kg} \times 76\text{nos of tower legs} = 651.32\text{kg}$	Kg	651.3 2
5	Shoring & shuttering in foundation with close wooden planks or sheet shuttering etc. excluding the cost of planks and sheets (labour only): a) Legs: $(1.2\text{m} \times 0.35 \times 4) = 1.68 \text{ Sq.mtr}$	Sq. mtr	249.2 8

	b) Leg side angles: $(0.8m \times 0.25m \times 8) = 1.28 \text{ Sq. mtr}$ c) Sub-total (for each leg) = $1.68\text{sqm} + 1.28\text{sqm} = 3.28 \text{ Sq.mtr}$ d) Total = $3.28\text{Sq.mtr} \times 76 \text{ nos. of tower legs} = 249.28 \text{ Sq.mtr}$		
6	Repair of legs at different tower locations with lead & lift of welding generator, gas cutter with cutting of angle cleats, making holes, bending/nut bolting including supply of all materials (excluding supply of cleats and nut & bolts, which will be supplied by the department), T&P labour etc. and as per the direction of the Engineer-in-Charge	Nos	76

B. TOWER LOCATION DETAILS

<i>132KV Dhenkanal-Khuntuni-ICCL-Choudwar Circuit II</i>		
Sl. No	Tower Location No	Nos. of Legs
1	155	2
2	156	2
3	167	4
4	171	3
5	188	2
6	191	3
7	204	3
8	217	3
9	220	4
10	223	2
11	239	4
12	240	4
13	241	4
14	242	3
15	243	4
16	244	4
17	245	4
18	246	4
19	247	2
20	251	1
21	252	1
22	277	4
23	278	3
24	293	4
<i>132KV Nuapatna-Arati-Choudwar Circuit I</i>		
25	204	2
26	Total	76

N.B: Subsequent Addendum and Corrigendum if any shall be hosted in OPTCL website only.


SR. GENERAL MANAGER
EHT (O&M) CIRCLE, CUTTACK