



ODISHA POWER TRANSMISSION CORPORATION LIMITED  
(A Government of Odisha Undertaking)  
**CIN – U40102OR2004SGC007553**  
OFFICE OF THE GENERAL MANAGER, (Elect)  
EHT (O&M) Circle, Bhubaneswar.  
At- Chandaka Grid Sub-station, PO- KIIT, Bhubaneswar-751024.  
E-mail- ehtm.cle.bbs@optcl.co.in

**OPEN TENDER CALL NOTICE NO. 14/2017-18**

Sealed tenders are invited by the undersigned from the eligible bidders for “**Construction of Entrance gate to the premises of grid substation Chandaka along with Security shed, concrete road including supply and fixing of iron gate as per the specification**”.

Experienced Bidders fulfilling the qualifying criteria and possessing valid Civil Contractor license, I.T. Pan Card/GST Certificate are only eligible to participate.

The detail **tender specifications** can be obtained from the office of the undersigned, on payment of Non Refundable amount of **Rs4,480/-**( 4000/- + 448 GST@12%) in shape of cash or **DD** drawn in favour of EHT (O&M) Circle, OPTCL, Cuttack Payable at Cuttack during office hours on working days from **Dt.27.12.2017 to Dt.11.01.2018**. The tenders shall be received up to 3 P.M. on **Dt. 12.01.2018** and will be opened on the same date at 3.30P.M. in the office of the undersigned. The bidders or their authorized representatives may remain present during tender opening. EMD **Rs 8000/-** is to be submitted in shape of DD drawn in favour of EHT (O&M), Circle, OPTCL, Cuttack, Payable at Cuttack.

The tender without requisite amount of EMD will be rejected. 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.

**SCHEDULE OF QUANTITY**

**1. FOR CONSTRUCTION OF ENTRANCE GATE FOR 220/132/33KV GRID S/S CHANDAKA**

SL. NO.	DESCRIPTION	UNIT	QTY
1	Excavation	Cum	<b>18.50</b>
a	Normal Soil (40%)		7.50
b	Hard Rock (60%)		11.00
2	Cement Concrete 1:3:6 with cement	Cum	<b>1.30</b>
3	Concreteing 1:1.5:3 with cement		<b>13.00</b>
a	Below the Ground	Cum	4.60

b	Above the Ground	Cum	8.400
4	Steel required for the foundation, columns, beams including supply of steel(TATA/RNIL/SAIL make) with cost of cutting, bending & binding, T&P, labour taxes complete in all respects.	MT	<b>0.78</b>
5	Supply & fixing of Black Granite.	Sqm	<b>54.000</b>
6	Supply & fixing of steel alphabet for writing of 220/132/33KV Grid Sub-Station Chandaka & steel logo of OPTCL.	L.S	
7	Heavy design M.S Gate having 7 mtr length 3 mtr height(middle position height 03 mtr x pillar height 02 mtr) with provision of pillar plate in both side, column box with 2 nos. heavy bearing with labour charges.	Qtl	<b>9.60</b>
8	Scaffolding for 10mtr height x 0.5 mtr width	L.S	

**2. FOR CONSTRUCTION OF SECURITY SHED NEAR ENTRANCE GATE GRID S/S CHANDAKA**

Sl. No.	Description	Unit	Quantity
1	Earth work excavation in all kinds of soil dressing and levelling the bed a) 2x 11' 10" x 3 ft x 3 ft = 212.94 cuft b) 2x 5'10" x 3' x 3' = 104.94 cuft Total = 212.94 + 104.94 = 317.88 cuft= 8.996 cum say 9 cum	cum	<b>9.00</b>
2	Filling of foundation plinth with sand and well watered & rammed. a) 2x 11'10" x 3' x 2" = 11.36 cuft b) 2x 5'10" x 3' x 2" = 5.6 cuft Total = 11.36+ 5.6= 16.96 cuft= 0.48 cum say 0.5 cum	cum	<b>0.50</b>
3	Cement concrete (1:4:8) using 20mm size H.B.G metal in foundation plinth including watering, curing, conveyance, royalty, tax etc. complete a)Wall base - 2x 11'10" x 3' x 4" = 23.42 cu ft 2x 5' x 3' x 4" = 11.54 cuft b)	cum	<b>1.60</b>



8	<p>2.5 inch thick RCC chajja I.C.C (1:2:4) using 1/2 inch to 3/4 inch size HBG crusher broken chips including centering, shuttering, watering, curing cost, conveyance lead royalty and labour charges etc. complete.</p> <p><math>2 \times 6' \times 3' \times 3' = 36 \text{ sq ft} = 3.34 \text{ sqm}</math></p>	sqm	<b>3.34</b>
9	<p>12mm thick cement plaster in cm (1:6) finished smooth in outside wall surface.</p> <p>Wall = <math>(2 \times 9' 8'' \times 8') + (2 \times 9' 8'' \times 8') = 309.44 \text{ sqft}</math></p> <p>Plinth = <math>(2 \times 11' \times 1') + (2 \times 9' 8'' \times 1') = 41.34 \text{ sqft}</math>      Door = <math>1 \times 4' \times 7' = 28 \text{ sq ft.}</math></p> <p>Window = <math>1 \times 4' \times 4' = 16 \text{ sq ft.}</math>      Total qty = <math>(\text{wall} + \text{Plinth}) - (\text{door} + \text{window}) = 306.78 \text{ sq ft} = 8.69 \text{ sqm}</math> say 8.70 cum</p>	sqm	<b>8.70</b>
10	<p>12mm thick cement plaster (1:6) finished smooth on inside wall surface</p> <p>wall = <math>(4 \times 8' \times 8') + (4 \times 4' \times 10'') = 269.28 \text{ sq ft}</math></p> <p>Door = <math>1 \times 4' \times 7' = 28 \text{ sq ft.}</math></p> <p>Window = <math>1 \times 4' \times 4' = 16 \text{ sq ft.}</math></p> <p>Total qty = wall - (door + window) = <math>225.28 \text{ sq ft} = 6.38 \text{ sqm}</math></p>	sqm	<b>6.40</b>
11	<p>1 inch thick A.S flooring with C.C (1:2:4) using 12 mm size HBG crusher broken chips including watering, curing cost, conveyance etc. complete.</p> <p>Floor = <math>1 \times 8' \times 8' = 64 \text{ sq ft} = 1.812 \text{ sq m}</math></p>	sqm	<b>1.80</b>
12	<p>Roof slab in ratio (1:1.5:3) with 12mm size HBG chips accordance to IS 456 &amp; IS 516 with watering and curing including Centering, shuttering &amp; finishing the exposed surfaces smooth with all materials, labour &amp; T&amp;P etc. with supply of M.S rods with cutting, bending, binding &amp; tying the grills etc. – <math>11' 8'' \times 11' 8'' \times 4'' = 44.94 \text{ cu ft} = 1.27 \text{ cum}</math></p>	cum	<b>1.27</b>
13	<p>Supply, fitting &amp; fixing of M.S rod @ 1% cum for Lintel (0.132cum) + Chajja ( 0.2cum) + Roof slab(1.27 cum) = 1.602 cum - 160 kg = 1.6 Qtl</p>	Qtl	<b>1.6</b>

14	Supply, fitting & fixing of M.S Door with M.S sheet & M.S.Grill with angle frame with supply of materials & fabrication. (1 x 4' x 7' )+(1 x 4' x 4') = 44 sq ft @ 3 Kg per Sq ft = 44 x 3 = 132 Kg = 1.32 Qtl	Qtl	<b>1.32</b>
15	White washing 3 coats with shell lime (inside) quantity same as item no.10 = 6.38 sqm + ceiling (8ftx8ft=64sqft = 5.95 sqm) = 12.33 sqm	sqm	<b>12.33</b>
16	one coat of cement washing to newly plastered surface with good quality cement Quantity same as item no.9 = 8.69 sqm say 9 sqm	sqm	<b>9.00</b>
17	Cement painting two coats Quantity same as item no.9 = 8.69 sqm say 9 sqm	sqm	<b>9.00</b>
18	Painting two coats with approved quality of synthetic emulsion paint including cost of paint and labour etc. complete. (on door & grill) a) 2x 4' x 7' = 56 sqft = 5.203 sqm b) 1 x 4' x 4' = 16 sqft = 1.486 sqm Total = 5.203+1.486 = 6.689 sqm say 7.0 sqm	sqm	<b>7.00</b>

### 3. FOR CONSTRUCTION OF CONCRETE ROAD NEAR THE GATE

SL. NO.	DESCRIPTION	UNIT	QTY
1	Excavation (10x5x0.35) + (2x3x0.35) = 19.6 cum	Cum	<b>19.600</b>
2	Filling of Sand (10x5x0.10) + (2x3x0.10) = 5.6 cum	Cum	<b>5.600</b>
3	Cement Concrete 1:3:6 with cement (10x5x0.10) + (2x3x0.10) = 5.6 cum	Cum	<b>5.600</b>
4	Concreting 1:1.5:3 with cement (10x5x0.15) + (2x3x0.15) = 8.4 cum	Cum	<b>8.400</b>

### 4. FORSUPPLY AND FIXING OF A SMALL GATE ATTACHED TO MAIN GATE & SECURITY SHED.

SL. NO.	DESCRIPTION	UNIT	QTY
1	Excavation (1mtrx1mtrx1mtr)	Cum	<b>1.000</b>

a	Normal Soil (40%)		0.400
b	Hard Rock (60%)		0.600
2	Cement Concrete 1:3:6 with cement (1.1mtrx1.1mtrx0.1mtr)	Cum	<b>0.121</b>
3	Concreteing 1:1.5:3 with cement		<b>0.588</b>
a	Below the Ground (1x1x0.3) + (0.25x0.25x0.6) = 0.338	Cum	0.338
b	Above the Ground column(2.5x0.25x0.25)+ Beam (1.5x0.25x0.25) = 0.25 cum	Cum	0.250
4	Steel required for the foundation, columns, beams including supply of steel(TATA/RNIL/SAIL make) with cost of cutting, bending & binding, T&P, labour taxes complete in all respects. Column- 16mm- 3.75x6x1.579 = 35.53Kg 8mm - 18x1x0.395 = 7.11 Kg Beam- 16mm - 1.6x4x1.579 = 10.11 Kg 8mm- 11x1x0.395 = 4.345 Kg Total = 57.18 Kg = 0.057 MT	MT	<b>0.057</b>
5	Supply & fixing of Black Granite. Column (2.5x1) + Beam(1.5x1) = 4 sqm	Sqm	<b>4.000</b>
6	Small M.S Gate having 1.25 mtr length 2.5 mtr height with labour charges.	Qtl	<b>2.500</b>

This office will not be responsible for non-receipt / late receipt of tender document due to postal delay. In such cases cost of tender paper will not be refunded. All other terms and conditions of OPTCL purchase & contract regulation will also be applicable to the successful bidders while placing the work/purchase order.

The undersigned reserves the right to reject any or all the tenders without assigning any reason thereof.

**GENERAL MANAGER  
EHT (O&M) CIRCLE, BHUBANESWAR**