

ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡି.



ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A GOVERNMENT OF ODISHA UNDER TAKING)

CIN- U40102OR2004SGC007553

OFFICE OF THE GENERAL MANAGER,

EHT (O&M) CIRCLE, CUTTACK

AT: MADHUSUDAN NAGAR, TULSIPUR, CUTTACK-753008

Phone: 0671 2300226 Fax: 0671-2300547

OPEN TENDER CALL NOTICE NO. 15/CTC/2018-19

Sealed tenders are invited by the undersigned for “**Construction of Open Store yard at 220/132/33KV Grid Sub-station at Bidanasi**” from experienced contractors possessing Civil contractor license issued by Govt. of Odisha/Govt. of India / Railways/ Military possessing valid I.T. Pan Card / GST registration/ clearance certificates.

Cost of Tender Paper: **Rs 4480/- (Non-refundable) in shape of Cash/DD and EMD: 1% of tendered value in shape of DD only.** The detail tender specification can be obtained from the office of the undersigned, on payment of dues as mentioned below during office hours from 11.00A.M. to 5.00P.M. from **Dt. 31.01.2019 to Dt.18.02.2019**. The tenders shall be received up to 3 P.M. on **Dt.19.02.2019** and will be opened at 3.30P.M 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* without which the tender will be rejected.

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.

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

SL No	Name of the item	Cost Of tender specification	Eligibility Criteria for bidders
1	Construction of Open Store Yard at Bidanasi Grid S/S	Rs4000/- + GST @ 12% i.e Rs. 480/- =Rs4480/- (Non-refundable in shape of DD only	Experienced contractors with Civil contractor license issued by Govt. of Odisha / Govt. of India /Railways/ Military possessing valid I.T. Pan Card / GST registration/ clearance certificates are eligible to apply

Sd/-

GENERAL MANAGER

EHT (O&M), CIRCLE, CUTTACK

DETAILS OF THE WORK

The Open Store Yard shall be an extension of the existing store yard and shall be constructed in three segments of different sizes as detailed below (Refer Diagram):

A. PART A (24.0 mtr X 16.0 mtr)

SL. NO.	DESCRIPTION OF WORK	UNIT	QTY																																																																						
1	<p>Earthwork in excavation in ordinary soil within 50m initial lead and 1.5m initial lift including rough dressing and breaking the clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth on foundation trenches including dressing and leveling the bed up to the required depth and depositing the excavated material with all leads and lifts T&P shoring and shuttering, dewatering if required etc. complete including the cost, conveyance, taxes of all labour with T&P required etc. as per the direction of engineer in charge.=</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;">No</th> <th style="text-align: center;">x</th> <th style="text-align: center;">Length</th> <th style="text-align: center;">x</th> <th style="text-align: center;">Breadth</th> <th style="text-align: center;">x</th> <th style="text-align: center;">Depth</th> <th style="text-align: center;">=</th> <th style="text-align: center;">Quantity</th> </tr> </thead> <tbody> <tr> <td>Foundation</td> <td style="text-align: center;">2</td> <td style="text-align: center;">x</td> <td style="text-align: center;">24.60</td> <td style="text-align: center;">x</td> <td style="text-align: center;">0.90</td> <td style="text-align: center;">x</td> <td style="text-align: center;">0.80</td> <td style="text-align: center;">=</td> <td style="text-align: center;">35.42 cum</td> </tr> <tr> <td></td> <td style="text-align: center;">2</td> <td style="text-align: center;">x</td> <td style="text-align: center;">14.80</td> <td style="text-align: center;">x</td> <td style="text-align: center;">0.90</td> <td style="text-align: center;">x</td> <td style="text-align: center;">0.80</td> <td style="text-align: center;">=</td> <td style="text-align: center;">21.31 cum</td> </tr> <tr> <td>Cutoff for Slope</td> <td style="text-align: center;">1</td> <td style="text-align: center;">x</td> <td style="text-align: center;">5.00</td> <td style="text-align: center;">x</td> <td style="text-align: center;">0.30</td> <td style="text-align: center;">x</td> <td style="text-align: center;">0.30</td> <td style="text-align: center;">=</td> <td style="text-align: center;">0.45 cum</td> </tr> <tr> <td></td> <td style="text-align: center;">2</td> <td style="text-align: center;">x</td> <td style="text-align: center;">0.90</td> <td style="text-align: center;">x</td> <td style="text-align: center;">0.45</td> <td style="text-align: center;">x</td> <td style="text-align: center;">0.45</td> <td style="text-align: center;">=</td> <td style="text-align: center;">0.36 cum</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">57.55 cum</td> </tr> </tbody> </table>		No	x	Length	x	Breadth	x	Depth	=	Quantity	Foundation	2	x	24.60	x	0.90	x	0.80	=	35.42 cum		2	x	14.80	x	0.90	x	0.80	=	21.31 cum	Cutoff for Slope	1	x	5.00	x	0.30	x	0.30	=	0.45 cum		2	x	0.90	x	0.45	x	0.45	=	0.36 cum	Total									57.55 cum	CUM	57.55										
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	<p>Cutoff(Ramp) 1 x 5.00 x 0.30 x 0.30 = 0.45 cum Side cutoff Below GL. 2 x 0.90 x 0.45 x 0.45 = 0.36 cum Above GL. 2 x 1.20 x 0.45 x 0.150 = 0.16 cum Slope/Ramp 1 x 5.00 x 1.50 x 0.10 = 0.75 cum Total 47.22 cum</p>		
4	<p>Supplying all material & labour with T&P for stone masonry for cement mortar (1:6) in SS using approved quality of laterite stone having dimensional tolerance (+ or-) 8% including splays cutting, circular moulding & corbeling, chamfering & similar such type of works, watering and curing etc. complete including cost, conveyance, royalties and taxes of all material cost, conveyance, taxes of all labour with T&P required for work etc. complete in all respect as per the direction of engineer in charge.</p> <p>No x Length x Breadth x Depth = Quantity</p> <p>Foundation Below GL. 2 x 24.30 x 0.60 x 0.60 = 17.50 cum 2 x 15.10 x 0.60 x 0.60 = 10.87 cum Above GL. 2 x 24.00 x 0.30 x 0.30 = 4.32 cum 2 x 15.40 x 0.30 x 0.30 = 2.77 cum Total 35.46 cum</p>	CUM	35.46
5	<p>Cement concrete with (1:2:4) in foundation and floors using 12mm size black hard crusher broken granite chips of approved quality from approved quarry including lower laying concrete watering and curing etc. complete to required level laid in layers not exceeding 150mm (6") thick including cost, conveyance, royalties and taxes of all material and cost, conveyance of all labour T&P required for the work etc. complete in all respects as per the direction of engineer in charge.</p> <p>No x Length x Breadth x Depth = Quantity</p> <p>Top Surface 1 x 24.00 x 16.00 x 0.075 = 28.80 cum Slope/Ramp 1 x 5.00 x 1.50 x 0.075 = 0.56 cum Total 29.36 cum</p>	CUM	29.36
6	<p>16mm thick plaster with cement and sand mortar (1:6) finished smooth over inside rough surface of brick/ stone masonry walls etc. with watering and curing etc. including cost, conveyance, royalties and taxes of all material cost, conveyance of all labour with T&P required for work etc. complete in all respect as per the direction of engineer in charge.</p> <p>No x Length x Height = Quantity</p> <p>Side Wall 1 x 24.00 x 0.475 = 11.40 Sqm 2 x 16.00 x 0.475 = 15.20 Sqm 1 x 19.00 x 0.475 = 9.03 Sqm 2 x 1.50 x 0.225 = 0.68 Sqm 36.30 Sqm</p>	SQM	36.30

7	<p>Priming one coat with of approved quality of primer of Berger make including cost, conveyance and taxes of all material & cost, conveyance, taxes of all labour with T&P required etc. complete in all respect as per the direction of engineer in charge</p> <p style="text-align: center;">No x Length x Height = Quantity</p> <p>Side 1 x 24.00 x 0.475 = 11.40 Sqm</p> <p>Wall 2 x 16.00 x 0.475 = 15.20 Sqm</p> <p style="padding-left: 40px;">1 x 19.00 x 0.475 = 9.03 Sqm</p> <p style="padding-left: 40px;">2 x 1.50 x 0.225 = 0.68 Sqm</p> <p style="text-align: right;">36.30 Sqm</p>	SQM	36.30
8	<p>Distemping two coats with a distemper of approved shade over wall surface finished smooth to give an even shade including watering, curing etc. complete including cost, conveyance, taxes of all material and cost, conveyance, taxes of all labour with T&P required etc. complete in all respect as per the direction of officer in charge.</p> <p style="text-align: center;">No x Length x Height = Quantity</p> <p>Side 1 x 24.00 x 0.475 = 11.40 Sqm</p> <p>Wall 2 x 16.00 x 0.475 = 15.20 Sqm</p> <p style="padding-left: 40px;">1 x 19.00 x 0.475 = 9.03 Sqm</p> <p style="padding-left: 40px;">2 x 1.50 x 0.225 = 0.68 Sqm</p> <p style="text-align: right;">36.30 Sqm</p>	SQM	36.30

B. PART B (9.0 mtr X 6.0 mtr)

SL. NO.	DESCRIPTION OF WORK	UNIT	QTY
1	<p>Earthwork in excavation in ordinary soil within 50m initial lead and 1.5m initial lift including rough dressing and breaking the clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth on foundation trenches including dressing and leveling the bed up to the required depth and depositing the excavated material with all leads and lifts T&P shoring and shuttering, dewatering if required etc. complete including the cost, conveyance, taxes of all labour with T&P required etc. as per the direction of engineer in charge.=</p> <p style="text-align: center;">No x Length x Breadth x Depth = Quantity</p> <p>Foundation 1 x 9.60 x 0.90 x 0.80 = 6.91 cum</p> <p style="padding-left: 40px;">2 x 4.80 x 0.90 x 0.80 = 6.91 cum</p> <p>Total 13.82 cum</p>	CUM	13.82

2	<p>Supplying all labour with T&P for filling foundation and plinth with sand including watering, ramming etc. complete including cost, conveyance, royalties and taxes of all material and cost of all labour with T&P required for the work etc. complete (measurement will be taken on finished & complete section only) as per the direction of engineer in charge.</p> <table border="0" style="width: 100%;"> <thead> <tr> <th></th> <th>No</th> <th>x</th> <th>Length</th> <th>x</th> <th>Breadth</th> <th>x</th> <th>Depth</th> <th>=</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Foundation</td> <td>1</td> <td>x</td> <td>9.60</td> <td>x</td> <td>0.90</td> <td>x</td> <td>0.10</td> <td>=</td> <td>0.86 cum</td> </tr> <tr> <td></td> <td>2</td> <td>x</td> <td>4.80</td> <td>x</td> <td>0.90</td> <td>x</td> <td>0.10</td> <td>=</td> <td>0.86 cum</td> </tr> <tr> <td>Side</td> <td>1</td> <td>x</td> <td>9.60</td> <td>x</td> <td>0.15</td> <td>x</td> <td>0.60</td> <td>=</td> <td>0.86 cum</td> </tr> <tr> <td></td> <td>2</td> <td>x</td> <td>4.80</td> <td>x</td> <td>0.15</td> <td>x</td> <td>0.60</td> <td>=</td> <td>0.86 cum</td> </tr> <tr> <td>Inside filling</td> <td>1</td> <td>x</td> <td>8.40</td> <td>x</td> <td>5.40</td> <td>x</td> <td>0.30</td> <td>=</td> <td>13.61 cum</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>17.06 cum</td> </tr> </tbody> </table>		No	x	Length	x	Breadth	x	Depth	=	Quantity	Foundation	1	x	9.60	x	0.90	x	0.10	=	0.86 cum		2	x	4.80	x	0.90	x	0.10	=	0.86 cum	Side	1	x	9.60	x	0.15	x	0.60	=	0.86 cum		2	x	4.80	x	0.15	x	0.60	=	0.86 cum	Inside filling	1	x	8.40	x	5.40	x	0.30	=	13.61 cum	Total									17.06 cum	CUM	17.06
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4	<p>Supplying all material & labour with T&P for stone masonry for cement mortar (1:6) in SS using approved quality of laterite stone having dimensional tolerance (+ or-) 8% including splays cutting, circular moulding & corbeling, chamfering & similar such type of works, watering and curing etc. complete including cost, conveyance, royalties and taxes of all material cost, conveyance, taxes of all labour with T&P required for work etc. complete in all respect as per the direction of engineer in charge.</p> <table border="0" style="width: 100%;"> <thead> <tr> <th></th> <th>No</th> <th>x</th> <th>Length</th> <th>x</th> <th>Breadth</th> <th>x</th> <th>Depth</th> <th>=</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Foundation Below GL.</td> <td>1</td> <td>x</td> <td>9.30</td> <td>x</td> <td>0.60</td> <td>x</td> <td>0.60</td> <td>=</td> <td>3.35 cum</td> </tr> <tr> <td></td> <td>2</td> <td>x</td> <td>5.10</td> <td>x</td> <td>0.60</td> <td>x</td> <td>0.60</td> <td>=</td> <td>3.67 cum</td> </tr> <tr> <td>Above GL.</td> <td>1</td> <td>x</td> <td>9.00</td> <td>x</td> <td>0.30</td> <td>x</td> <td>0.30</td> <td>=</td> <td>0.81 cum</td> </tr> <tr> <td></td> <td>2</td> <td>x</td> <td>5.40</td> <td>x</td> <td>0.30</td> <td>x</td> <td>0.30</td> <td>=</td> <td>0.97 cum</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.80 cum</td> </tr> </tbody> </table>		No	x	Length	x	Breadth	x	Depth	=	Quantity	Foundation Below GL.	1	x	9.30	x	0.60	x	0.60	=	3.35 cum		2	x	5.10	x	0.60	x	0.60	=	3.67 cum	Above GL.	1	x	9.00	x	0.30	x	0.30	=	0.81 cum		2	x	5.40	x	0.30	x	0.30	=	0.97 cum	Total									8.80 cum	CUM	8.80										
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5	<p>Cement concrete with (1:2:4) in foundation and floors using 12mm size black hard crusher broken granite chips of approved quality from approved quarry including lower laying concrete watering and curing etc. complete to required level laid in layers not exceeding 150mm (6") thick including cost, conveyance, royalties and taxes of all material and cost, conveyance of all labour T&P required for the work etc. complete in all respects as per the direction of engineer in charge.</p> <table border="0" style="width: 100%;"> <thead> <tr> <th></th> <th>No</th> <th>x</th> <th>Length</th> <th>x</th> <th>Breadth</th> <th>x</th> <th>Depth</th> <th>=</th> <th>Quantity</th> </tr> </thead> <tbody> </tbody> </table>		No	x	Length	x	Breadth	x	Depth	=	Quantity	CUM	4.05																																																												
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	Top Surface 1 x 9.00 x 6.00 x 0.075 = 4.05 cum		
6	16mm thick plaster with cement and sand mortar (1:6) finished smooth over inside rough surface of brick/ stone masonry walls etc. with watering and curing etc. including cost, conveyance, royalties and taxes of all material cost, conveyance of all labour with T&P required for work etc. complete in all respect as per the direction of engineer in charge. No x Length x Height = Quantity Side Wall 1 x 9.00 x 0.475 = 4.28 Sqm 2 x 6.00 x 0.475 = 5.70 Sqm Total 9.98 Sqm	SQM	9.98
7	Priming one coat with of approved quality of primer of Berger make including cost, conveyance and taxes of all material & cost, conveyance, taxes of all labour with T&P required etc. complete in all respect as per the direction of engineer in charge No x Length x Height = Quantity Side Wall 1 x 9.00 x 0.475 = 4.28 Sqm 2 x 6.00 x 0.475 = 5.70 Sqm Total 9.98 Sqm	SQM	9.98
8	Distempering two coats with a distemper of approved shade over wall surface finished smooth to give an even shade including watering, curing etc. complete including cost, conveyance, taxes of all material and cost, conveyance, taxes of all labour with T&P required etc. complete in all respect as per the direction of officer in charge. No x Length x Height = Quantity Side Wall 1 x 9.00 x 0.475 = 4.28 Sqm 2 x 6.00 x 0.475 = 5.70 Sqm Total 9.98 Sqm	SQM	9.98

C. PART C (13.0 mtr X 5.0 mtr)

SL. NO.	DESCRIPTION	UNIT	QTY
1	Supplying all labour with T&P for filling foundation and plinth with sand including watering, ramming etc. complete including cost, conveyance, royalties and taxes of all material and cost of all labour with T&P required for the work etc. complete (measurement will be taken on finished & complete section only) as per the direction of engineer in charge.		
a	13 x 5 x 0.3 = 19.50cum (Inside Filling)	CUM	19.50
2	Cement concrete with (1:3:6) in foundation and floors using 40mm (1.5") size black hard crusher broken granite stone metal of approved quality from approved quarry including		

	lower laying concrete watering and curing etc. complete to required level laid in layers not exceeding 150mm(6") thick including cost, conveyance, royalties and taxes of all material and cost , conveyance of all labour T&P required for the work etc. complete in all respects as per the direction of engineer in charge.		
a	$13 \times 5 \times 0.1 = 6.50\text{cum}$ (Top Surface)	CUM	6.50
3	Cement concrete with (1:2:4) in foundation and floors using 12mm size black hard crusher broken granite chips of approved quality from approved quarry including lower laying concrete watering and curing etc. complete to required level laid in layers not exceeding 150mm(6") thick including cost, conveyance, royalties and taxes of all material and cost , conveyance of all labour T&P required for the work etc. complete in all respects as per the direction of engineer in charge.		
a	$13 \times 5 \times 0.075 = 4.88\text{cum}$ (Top Surface)	CUM	4.88

Diagram

