



ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
OFFICE OF THE DEPUTY GENERAL MANAGER (ELECTRICAL)
EHT (O&M) DIVISION, BERHAMPUR
DUDUMA COLONY, DIGAPAHANDI ROAD, BERHAMPUR-760006
Tel No.: 0680-2271587

Mail Id: ehm.div.bam@optcl.co.in

TENDER SPECIFICATION FOR TENDER CALL
NOTICE No. : **09/2017-18**

For
**Installation of 2nd Station transformer of 33/0.4KV, 250KVA & others
associated work with station transformer at Grid S/s, Digapahandi.**

Cost of tender paper Rs. 2000/- + GST @12 % = **Rs. 2240/-**
(Rupees Two thousand two hundred forty only)

ISSUED TO:-

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Estimated Cost: Rs 353350/-



Tel:0680-2271587, Ph.:9438907864

E-mail - ehtm.div.bam@optcl.co.in

ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
OFFICE OF THE DEPUTY GENERAL MANAGER (ELECTRICAL)
EHT (O&M) DIVISION, BERHAMPUR
DUDUMA COLONY, DIGAPAHANDI ROAD, BERHAMPUR-760006
CIN- U40102OR2004SGC007553

Notice Inviting Tender Advt. No: O.T No. 09/2017-18

For and on behalf of OPTCL sealed tenders are invited from Contractor/ Firm having both Civil license (C or D) & Electrical Contract license (HT), having PAN, GST Registration No., to carry out “Installation of 2nd Station transformer of 33/0.4KV, 250KVA & others associated work with station transformer at Grid S/s, Digapahandi” .

SL. NO	DESCRIPTION	COST OF TENDER PAPER	Completion Period
01	Installation of 2 nd Station transformer of 33/0.4KV, 250KVA & others associated work with station transformer at Grid S/s, Digapahandi.	Rs. 2000/- + GST @12% = Rs 2240/-	30days 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, Berhampur payable at Berhampur, 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 **Rs 3535/-** as EMD in shape of DD/Cash drawn in favour of Dy. General Manager, EHT(O & M) Division, Berhampur payable at Berhampur, 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. 18.01.18 to Dt. 05.02.18.** (During Office Hours)

Last Date of Receipt of Tender Paper: **Dt. 06.02.18 up to 1.00 PM**

Date of Opening of Tender Paper: **Dt. 06.02.18 at 3.00 P.M.**

Tender should be dropped in **Tender BOX-II.**

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.

Dy. General Manager
EHT (O & M) Division
Berhampur

TENDER SPECIFICATION FOR TENDER CALL
NOTICE No. : **O.T No 09/2017-18**
OF EHT (O & M), DIVISION, BERHAMPUR

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6.	COST OF TENDER PAPER (Non-refundable)	Rs. 2000/- + GST @12% = Rs.2240/- (Rupees Two thousand two hundred forty only) by Cash/ Bank Draft drawn in favour of Dy. General Manager, EHT(O & M) Division, Berhampur payable at Berhampur, Odisha.
7.	E.M.D	Rs. 3535/- only by cash / bank draft drawn in favour of Dy. General Manager, EHT (O & M) Division, Berhampur payable at Berhampur, Odisha.
8.	SALE OF TENDER PAPER	From 18.01.18 to Dt. 05.02.18 . (During office hours) available in the office of the Dy. General Manager (Ele.), EHT (O&M) Division, OPTCL, Chatrapur
9.	LAST DATE OF RECEIPT OF TENDER PAPER	Dt. 06.02.18 up to 1.00 PM & should be dropped in Tender Box –II.
10.	DATE & TIME OF OPENING OF TENDER	Dt. 06.02.18 at 3.00 P.M.
11.	Tender posted by the registered post to should be reached at:	Odisha Power Transmission Corporation Ltd., Office of the Dy. General Manager, EHT (O & M) Division, Berhampur. AT- Duduma Colony, Digaphandi Road, Berhampur-700 006, Odisha.

INSTRUCTION TO BIDDERS

SECTION - I

The Bidders must read in detail the “Instruction to Bidders” and “General terms and conditions” before filling the tender documents.

1. TENDERS:

- A) Only those who have purchased the Tender specification from this office can submit their Tender. Bidders must submit their bids with original signature.
- B) Tender must be submitted in sealed cover subscribed as “**O.T No. 09/2017-18: Installation of 2nd Station transformer of 33/0.4KV, 250KVA & others associated work with station transformer at Grid S/s, Digapahandi** on or before 06.02.18 for opening and addressed to the **Dy. General Manager, EHT (O & M) Division, Berhampur.**
- C) Tender shall be submitted either in person or by registered post & any other means of delivery shall not be accepted. Detailed postal address with PIN No., Phone / Fax/Email of bidder must be mentioned in the application requesting for tender document and on the tender bid. The authority is not responsible for receipt of tender after due date due to postal delay or any other reasons. The tender should be posted by the registry post to reach at **Odisha Power Transmission Corporation Ltd., Office of the Dy. General Manager, EHT (O & M) Division, Berhampur, Duduma colony, Digaphandi Road, Berhampur-700 006, Odisha.** Tenders received after due date due to postal delay or any other reason will not be considered. The tenderer who wants to receive the tender paper by post have to deposit additional Rs100.00 along with the tender paper cost.
- D) The bidder is to deposit EMD @ **Rs 3535/-** in shape of cash / bank draft drawn in favour of Dy. General Manager, EHT (O & M) Division, Berhampur. The tender without EMD will be liable for rejection. The EMD of successful tenderers will be refunded after deposit of security-cum-performance deposit. The EMD of all unsuccessful tenderers shall be refunded on written request after finalization of tender. No interest shall be paid on EMD. No adjustment towards EMD shall be permitted against outstanding amount, if any, remain with the OPTCL.

2. FORFEITURE OF EMD:

- A) In the event the successful tenderer fails to carry out the works / partly carry out the works as per the technical specification the EMD so deposited shall be forfeited.
- B) Any deviation from the terms and conditions of the contract the EMD so deposited shall be forfeited without any notice.
- C) The EMD not claimed within a period of **one year** from the date of issue of order & the Security deposit not claimed for refund within **three years** after completion of contract, will be forfeited. Hence you are requested to claim the EMD & the Security deposit within the scheduled period.

3. INFORMATION ON COMPETITORS:

Bidders have right to know information on competitors only at the time of opening

of the bids. No further information on competitors shall be provided at any other point / stage of the tender without prejudice to Right to Information Act – 2005.

4. OPENING OF TENDERS:

- A) Copy of PAN card/ Civil License (D or C)/ Electrical license (HT)/ GST Registration Certificate/ Experience must be enclosed along with tenders, failing which the tender will be rejected. The contractor should produce the original documents for verification within 07 days from the date of opening of tender.
 - B) Bidders themselves or their authorized representatives limited to one person only (possessing authorization letter in original) shall be allowed to attend opening event of the tenders.
6. The Authority reserves the right to award the contract among any responsive bidders against this tender. The authority reserves the right to reject any or all the tenders and alter the quantum of works without assigning any reason thereof.
7. The bidders are advised to inspect the site before assessing their rates to be quoted in the tender.
8. Tender should be prepared clearly and without any overwriting and corrections. Erasures and other changes shall bear the dated initial of the person signing the Tender.
9. In the event of discrepancy or arithmetical error in the schedule of price, the decision of the purchaser shall be final and binding on the tenderer. For evaluation, the price mentioned in words shall be taken if there is any difference in figure and word in the price bid.

Dy. General Manager

GENERAL TERMS AND CONDITIONS

1. **a. Scope of Work:** Detailed scope of work is appended at Section-III. The work is to be taken up as per guideline of OPTCL & codal provision of PWD, Odisha.
b. Validity: The Tenderers are requested to keep the validity of their offer for a period of 3 months from the date of opening of tender.
2. **Price:** The bidders are advised to quote their rate as per the price schedule at Annexure – I. The unit rate and the total amount should be entered in figures and words.
3. **Completion of Work:** The work should be completed in full shape within 30 days from the date of agreement. The Joint Measurement Certificate (JMC) should be made with verifying officer after completion of work.
4. **Penalty:** Penalty @ ½% (half per cent) per week up to a maximum of 5% of the total value of the work order will be imposed and recovered from dues admissible if the work is not completed within the scheduled period.
5. **Security-cum-Performance Deposit:** The tenderers whose offer qualifies for acceptance will be awarded Work Order and the contractor shall have to deposit Security cum performance guarantee deposit equal to 10% (Ten percent) of contract value in shape of Cash receipt / Bank Draft /N.S.C. / K.V.P / Post Office Savings Bank Account pledged in favour of **Dy. General Manager, EHT(O&M) Division, Berhampur**. The Security deposit will be released after two months of completion of the guarantee period subject to fulfillment of guarantee stated under clause on a receipt of application for this purpose. No interest shall be paid to the agency towards the security deposit so deposited by the contractor.
6. **Additional Performance Security (APS):** The tenderers whose offer qualifies for acceptances for order have to deposit the additional performance security i.e differential amount of estimated cost to quoted amount (if only the quoted amount is less than estimated amount) on or before execution of agreement. The contractor shall have to deposit the **APS** in shape of Cash receipt / Bank Draft/ N.S.C. / K.V.P / Post Office Savings Bank Account pledged in favour of **Dy. General Manager, EHT(O&M) Division, Berhampur**, otherwise the bid will be cancelled & the security deposit shall be forfeited. The APS will be released after certified by **Verifying officer** regarding completion of work. No interest shall be paid to the agency towards the APS so deposited by the contractor.
7. **Terms of Payment:** 100% payment will be paid by the paying officer after completion of work and due verification thereof by the Verifying officer and approval of Guarantee Certificate & JMC from the competent authority. The bills in triplicate should be submitted to the paying officer along with completion report duly verified by the concerned Verifying Officer.

8. **Guarantee:** The work covered under this contract should be guaranteed for satisfactory operation against defects a period of 12 months from the date of completion of work. In case of any defects noticed during this period, the same shall be replaced / rectified by the contractor free of cost provided such defects are due to fault design / bad workmanship or bad materials used upon written notice from the engineer-in-charge. The replaced /rectified work should also have similar guarantee. The above guarantee certificate shall be furnished in triplicate to the undersigned for approval. In the event of any breach on default in all or any condition of purchase order, Security Deposit will be forfeited.
9. **Verifying Officer:** - The **A.G.M, TL Sub-Division, Digapahandi** is verifying officer for the work awarded under his jurisdiction.
10. **Paying Officer:** The **DGM, EHT (O&M) Division, Berhampur** is the paying officer for this contract.
11. **Agreement:** The successful contractor shall have to enter into an agreement with the concerned Engineer-in-charge in the approved contract agreement form within 10 days of receipt of work order.
12. **Force Majure:** The Contractor shall not be liable for any penalty for delay or for failure to perform the Contract for reasons of FORCE MAJURE, such as acts of God; acts of public enemy, acts of Govt, fires, floods, epidemics, quarantine restrictions, strike, freight, embargoes provided that the contractor shall within 10 days from the beginning of such delay notify to OPTCL in writing of the cause of delay. The OPTCL shall verify the facts and grant such extensions if facts justified.
13. **Experience:** The bidders are required to submit the list of his past experience on similar work done at OSEB, OPTCL, State govt department or equivalent along with the supporting documents. Contractor having experience similar nature of job will be given preference to others.
14. **Safety Measures:** Only trained & experienced person should engage to carry out the work under direct supervision of engineer-in-charge, OPTCL & firm's supervisor. The work should be carried out on full risk & cost of contactor & OPTCL will not be responsible for any kind of risk coverage arising during execution of work.
15. **Insurance:** Insurance if any will be arranged by contractor at his own cost for safety of workmen & equipment.
16. **WORKMEN'S COMPENSATION:** The contractor shall be fully responsible for paying compensation if any, under the Workmen Compensation Act on account of workmen deployed by him.
17. **Rejection of works:** In the event of any of the materials supplied / work done by the contractor is found defective in materials or workmanship or otherwise not in

conformity with the requirement of this contract, specifications, the OPTCL shall either reject the materials or work and request the Contractor to rectify the same. The Contractor on receipt of such notice, rectify or replace the defective materials and rectify the work free of cost. If the Contractor fails to do so the OPTCL may -

- At its option replace or rectify such defective materials and / or work and recover the extra cost so involve from the Contractor.
- Terminate the contract for balance work / supplies with enforcement of penalty as per contract.

18. **PAYMENT DUE FROM THE CONTRACT:** All costs and damages for which the Contractor is liable to the authority will be deducted from Contractor under the contract.

20. **Jurisdiction of Court:** Suits if any, arising against the work order to be issued to the contractor shall be filed by either party in any court of law to which the jurisdiction of Court of Berhampur extends.

The Authority reserves the right to award the contract among any responsive bidders against this tender. All other terms and conditions will be governed by as per Rules OPTCL & Codal provision of O.P.W.D.

Dy. General Manager

SECTION - III

Scope of Work: Installation of 2nd Station transformer of 33/0.4KV, 250KVA & others associated work with station transformer at Grid S/s, Digapahandi.

Sl No.	Description of work	Unit	Quantity
A. CIVIL WORK			
1	Filling of substation area with borrowed earth with supply of all labour and T&P.	Cum	117
2	Excavation and back filling of earth in hard soil including supply of all T&P and labour	Cum	27.57
3	Cement concrete (1:3:6) with 20 mm size hard granite machine broken chips including supply of all T & P and labours as per direction of the Engineer in charge	Cum	4.628
4	Cement concrete (1:2:4) with 20 mm size hard granite machine broken chips including supply of T&P and labours as per direction of the Engineer in charge	Cum	3.718
5	PCC of 0.075 mtr thickness in the ratio of(1:4:8) with supply of 20mm size HG chips including 65.825 sqm X0.075 mtr=4.936 cum	Cum	4.936
6	Cutting ,bending, binding ,placing in position of steel rod for making cover slabs of cable trench including cost of binding wire with supply of 10 mm size tor steel of Tata/Sail make	Kg	127.7
7	Brick masonry with cement mortar 1:4 with supply of first class fly ash brick of size 23x11x8cm & crushing strength 75Kg/cm ² , good quality river sand all T&P and labour	Cum	35.526
8	12 mm thick cement plaster (1:4) over stone plinth including supply of all T & P and labours	Sqm	123.98
9	NBT treatment by glyphosate/ glycol of area 65.825 sqm	sqm	65.825
10	Sand spreading up to a thickness of 0.05 mtr for area 65.825 sqm with supply of good quality river sand	cum	3.29
11	Metal spreading of thickness 0.1 mtr with supply of 20mm size new HG chips including all labour & T&P	Cum	6.582
B. ELECTRICAL WORK			
12	Erection of Station Transformer- 33/0.4 KV,250KVA	No	1
13	Dismantling of existing DP, cantilever, channel, pin insulator, HG fuse ,33 KV AB switch etc with supply of T&P and labour	LS	1
14	Erection of 33 kV LA beam mounted with transportation from site store	No	3
15	Erection of joist pole, channel, pin insulators, 33 KV AB switch, HG fuse , LT distribution box etc with supply of T&P and labour	LS	1
16	Pipe earthing including excavation of earth, treatment of bentonate compound, back-filling with borrowed earth, termination to earth mat riser by nut bolting,	Set	6

	apply of paint where necessary with supply of all labour and T&P		
17	Laying of earth mat- excavation of earth, welding of diff size flats, application of two coats bituminous paint, wrapping of HT Tapes over it and back filling of earths (including supply of welding machine, welding generator, welding rods and all materials, T&P , Labour) As per above specification using GI flat 75 mm X 10 mm (Without supply of GI flat)	Per mtr	80
18	Earthing raiser – connection of diff size GI flats from earth mat to equivalent, welding of diff size flats, application of two coats of bituminous paint, wrapping of HT tapes over it (with supply of Labour and T&P) As per above specification using GI flat 50 mm X 6 mm (Without supply of GI flat)	Per mtr	30
19	Laying & fixing of one number PVC insulated and PVC sheathed /XLPE power cable of 1.1 KV grade of size 3.5 C X 95 Sqm in the cable trench in one horizontal formation including removing of trench covers and again putting the same after completion of laying.	Mtr	150
20	Supplying and making end termination with brass compression gland and aluminum lugs for 3 ½ X 95 sq. mm size of PVC insulated and PVC sheathed/ XLPE aluminum cable of 1.1 KV as required	Set (8 Nos)	1
21	Dismantling of existing ACSR zebra bus single with insulator strings as a percentage of stringing	Mtr	18
22	Bus bar stringing ACSR zebra (single) with fixing of insulator string (with supply of labour and T&P and excluding supply of conductor, insulators, hardware ,clamps & connectors)	Mtr	18
23	Jumpering to equipments with supply of labour and T&P excluding supply of clamps, conductor and pipe ACSR zebra single 3 nos	Mtr	7.5

**Dy. General Manager
EHT (O&M), Division
Berhampur**

Schedule of Price

Annexure –I

Sl No.	Description of work	UOM	Quantity	Rate in Rs.	Unit Rate in Word	Total in Rs
1	2	3	4	5	6	7= 4*6
A. CIVIL WORK						
1	Filling of substation area with borrowed earth with supply of all labour and T&P.	Cum	117			
2	Excavation and back filling of earth in hard soil including supply of all T&P and labour	Cum	27.57			
3	Cement concrete (1:3:6) with 20 mm size hard granite machine broken chips including supply of all T & P and labours as per direction of the Engineer in charge	Cum	4.628			
4	Cement concrete (1:2:4) with 20 mm size hard granite machine broken chips including supply of T&P and labours as per direction of the Engineer in charge	Cum	3.718			
5	PCC of 0.075 mtr thickness in the ratio of(1:4:8) with supply of 20mm size HG chips including 65.825 sqm X0.075 mtr=4.936 cum	Cum	4.936			
6	Cutting ,bending, binding ,placing in position of steel rod for making cover slabs of cable trench including cost of binding wire with supply of 10 mm size tor steel of Tata/Sail make	Kg	127.7			
7	Brick masonry with cement mortar 1:4 with supply of first class fly ash brick of size 23x11x8cm & crushing strength 75Kg/cm2, good quality river sand all T&P and labour	Cum	35.526			
8	12 mm thick cement plaster (1:4) over stone plinth including supply of all T & P and labours	Sqm	123.98			
9	NBT treatment by glyphosate/ glycol of area	sqm	65.825			

Signature of the tenderer

Dy. General Manager

	65.825sqm					
10	Sand spreading up to a thickness of 0.05 mtr for area 65.825 sqm with supply of good quality river sand.	cum	3.29			
11	Metal spreading of thickness 0.1 mtr with supply of 20mm size new HG chips including all labour & T&P	Cum	6.582			
B. ELECTRICAL WORK						
12	Erection of Station Transformer- 33/0.4 KV,250 KVA	No	1			
13	Dismantling of existing DP, cantilever, channel, pin insulator, HG fuse ,33 KV AB switch etc with supply of T&P and labour	LS	1			
14	Erection of 33 kV LA beam mounted with transportation from site store	No	3			
15	Erection of joist pole, channel, pin insulators, 33 KV AB switch, HG fuse , LT distribution box etc with supply of T&P and labour	LS	1			
16	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	Set	6			
17	Laying of earth mat- excavation of earth, welding of diff size flats, application of two coats bituminous paint, wrapping of HT Tapes over it and back filling of earths (including supply of welding machine, welding generator, welding rods and all materials, T&P , Labour) As per above specification using GI flat 75 mm X 10 mm (Without supply of GI flat)	Per mtr	80			
18	Earthing raiser – connection of diff size GI flats from earth mat to equivalent, welding of diff size flats, application of two coats of bituminous paint, wrapping	Per mtr	30			

	of HT tapes over it (with supply of Labour and T&P) As per above specification using GI flat 50 mm X 6 mm (Without supply of GI flat)					
19	Laying & fixing of one number PVC insulated and PVC sheathed /XLPE power cable of 1.1 Kv grade of size 3.5 C X 95 sqm in the cable trench in one horizontal formation including removing of trench covers and again putting the same after completion of laying.	Mtr	150			
20	Supplying and making end termination with brass compression gland and aluminum lugs for 3 ½ X 95 sq mm size of PVC insulated and PVC sheathed/ XLPE aluminum cable of 1.1 KV as required	Set (8 Nos.)	1			
21	Dismantling of existing ACSR zebra bus single with insulator strings as a percentage of stringing	Mtr	18			
22	Bus bar stringing ACSR zebra (single) with fixing of insulator string (with supply of labour and T&P and excluding supply of conductor, insulators, hardware ,clamps & connectors)	Mtr	18			
23	Jumpering to equipments with supply of labour and T&P excluding supply of clamps, conductor and pipe ACSR zebra single 3 nos	Mtr	7.5			
24	Total	In word				
25	GST @	In word				
26	Grand Total (24+25)	In word				

Date:
Place:

**Signature of the tenderer
with seal**

Dy. General Manager

DETAILED DATA SHEET TO BE FURNISHED BY THE TENDERERS

1	Name of the Agency/Contractor with detailed postal address.	
2	Earnest money deposited vide Bank Draft No./ money receipt No _____ date _____ amount in Rs. _____ (Rupees _____)only	
3	Attested copy of GST Registration Certificate	Furnished / Not furnished
4	Attested copy of PAN no	Furnished / Not furnished
5	Electrical Contract License (HT or above)	Furnished / Not furnished
6	Civil Contract License (C or D class)	Furnished / Not furnished
7	Attach past experience certificate for similar job in OPTCL/ DISCOM or equivalent	Yes / No
8	Agreed to furnish Contract security deposit	Yes / No
9	Agreed to accept payment terms as per the tender specification	Yes / No
10	Agreed to adhere to completion of work as per the tender specification	Yes / No
11	Agreed to accept penalty clause as per the tender	Yes / No
12	Agreed to keep validity of the offer 3month from the date of tender opening without any variation in tender clause.	Yes / No
13	Agreed to obtain labour contract license on event of work order from the competent authority	Yes / No

Date**Signature of the Tenderer
with seal.**

N.B: Please tick mark the furnished one & strikeout the other.

