



ଓଡ଼ିଶା ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିମିଟେଡ.

**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**

**TENDER SPECIFICATION
ON
TENDER CALL NOTICE No. : 02/2018-19**

**For
Supply of various type clamps, connectors & nut bolts for
Grid S/s Berhampur, Narendrapur & Digapahandi.**

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

ISSUED TO:-

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	☎0680-2271587(O)	☎Mob-9438907864
	ଓଡ଼ିଶା ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡି. OFFICE OF THE DEPUTY GENERAL MANAGER:ELECTRICAL, EHT(O&M)DIVISION,BERHAMPUR:AT:DUDUMA COLONY DIGAPAHANDI ROAD,DIST:GANJAM(ODISHA) ,PIN: 760006 E.mail - ehtm.div.bam@optcl.co.in. CIN:U40102OR2004SGC007553	

Notice Inviting Tender Advt. No: O.T No. 02/2018-19

For and on behalf of OPTCL sealed tenders are invited from manufacturers / Authorized Dealers and registered order suppliers having valid PAN, authorized dealership certificate, PAN, GST Registration, for supply of “Supply of various type clamps, connectors & nut bolts for Grid S/s Berhampur, Narendrapur & Digapahandi”.

SL. NO	DESCRIPTION	COST OF TENDER PAPER	Completion Period
01	Supply of various type clamps, connectors & nut bolts for Grid S/s Berhampur, Narendrapur & Digapahandi.	Rs. 2000/- + GST @12% = Rs 2240/-	30 days from the issue of work order

The tender document can be made available in the office of the undersigned on written request and payment of requisite amount towards cost of tender document by cash/Bank draft drawn 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 tender process will be carried out in two part i.e sample verification & price bid. The bidders must submit their sample of materials on or before **30.05.2018**, which shall be inspected for quality by the Scrutinizing Committee. The bidders whose samples pass the quality check by the scrutinizing committee shall be allowed to participate in the price bidding process.

The bid must be accompanied with an amount **Rs 4320/-** 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 if any on 31.05.18. 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.

1. Date of Sale of Tender Paper: **Dt. 16.05.18 to Dt. 29.05.18.** (During Office Hours)
2. Last Date of Receipt of Tender Paper: **Dt. 30.05.18 up to 1.00 PM**
3. Date of submission of Sample: **Dt. 16.05.18 to Dt. 30.05.18 (At division office)**
4. Date of inspection of sample by scrutiny committee: **Dt. 31.05.18 at 11.00 A.M.**
5. Date of Opening of price bid & Tender Paper: **Dt. 31.05.18 at 04.00 P.M.**

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

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

TENDER SPECIFICATION FOR TENDER CALL
NOTICE No. : O.T No 02/2018-19

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7.	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.
8.	E.M.D	Rs. 4320/- only by cash / bank draft drawn in favour of Dy. General Manager, EHT (O & M) Division, Berhampur payable at Berhampur, Odisha.
9	SALE OF TENDER PAPER	From 16.05.18 to Dt. 29.05.18 . (During office hours) available in the office of the Dy. General Manager (Ele.), EHT (O&M) Division, OPTCL, Berhampur
10.	LAST DATE OF RECEIPT OF TENDER PAPER & SAMPLE OF MATERIALS	Dt. 30.05.18 up to 1.00 PM & & should be dropped in Tender Box –I.
11	Date of inspection of sample by scrutiny committee:	Dt. 31.05.18 at 11.00 A.M.
12	Date of Opening of price bid & Tender Paper:	Dt. 31.05.18 at 04.00 P.M.
13	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

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. Tenders submitted by other will be rejected. Bidders must submit their bids with original signature.
- B) Tender must be submitted in sealed cover subscribed as “**O.T No. 02/2018-19: Supply of various type clamps, connectors & nut bolts for Grid S/s Berhampur, Narendrapur & Digapahandi**”.
- 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 4320/-** in shape of cash / bank draft drawn in favour of Dy. General Manager, EHT (O & M) Division, Berhampur. 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 supply the materials 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 this 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, GST Registration must be enclosed with the tender bids.
 - 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 purchaser may alter the quantities of materials at the time of placing orders. Orders may also be split up among more than one tenderer if necessary. The purchaser reserves the right to reject the lowest or any other Tender or all tenders without assigning any reason what so ever.
7. 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.
8. 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. **Validity:** Tenderers are requested to keep the validity of their offer for a period of 03months from the date of opening of tender.
2. **Scope of Contract:** The scope of the contract shall be to deliver the materials on at the destination sites i.e at Grid Sub-station, Berhampur in accordance with the technical specification.
3. **Sample & Test Certificate:** One set sample / Type Test Certificate has to be submitted by the tenderer for approval for verification. The test certificate from ISI approved testing laboratory will also be accepted as and where applicable.
4. **Price:** The price quoted by tenderer should be firm, F.O.R. destination inclusive of freight, Insurance, Packing, Forwarding charges inclusive discount, if any. Taxes, if any shall be mentioned extra.
5. **Terms of Payment:** 100% payment with taxes etc shall be made after receipt of materials in full and in good condition & verification thereof by the consignee.
6. **Delivery:** The materials in full quantity shall be delivered within 30 days of receipt of purchase order, failing which purchase order shall be liable for cancellation with forfeiture of Earnest money/ Security Deposit.
7. **Penalty:** If the supplier shall fail to deliver the materials within the delivery period as stipulated under clause No. 6 (Section-II) of this Tender document or any extension granted there to, the purchaser shall recover from the supplier penalty for a sum of half percent (i.e. 0.5 %) of the contract price for each calendar week or part thereof of delay. However the total amount of penalty shall not exceed 5% (five percent) of the contract/ undelivered items price. Materials will be deemed to have been delivered only when all the component parts are also delivered. If certain components are not delivered in time, the supply will be treated as delayed until such time the missing/ undelivered parts are delivered period.
8. **Extension of time:** If the delivery of materials is delayed due to reason beyond the control of supplier, the supplier shall without delay give justification. The purchaser on receipt of such notice may agree to extend the contract delivery date if reasonable but without prejudice to other terms and conditions of this contract.
9. **Security Deposit:** The tenderers whose offer qualifies for acceptance will be awarded the Order and the supplier shall have to be deposit Security-cum-performance guarantee equal to 10% (Ten percent) of contract value in shape of Cash / Bank Draft/ B.G/ K.V.P 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-10 on a receipt of application for this purpose. No interest shall be paid to the supplier towards the security deposit so deposited by the supplier.
10. **Guarantee:** The materials covered under this contract should be guaranteed for trouble free and satisfactory performance against any defect in design, materials and workmanship for a Period of either at least **18 (Eighteen) months from the date of delivery or 12(Twelve) month from the date of use**. Any defect noticed during this period should be rectified / replaced by the firm free of cost provided such defects are due to faulty design, bad workmanship or bad materials used. The replaced materials

should also have similar guarantee. In the event of any breach on default in all or any condition of purchase order Security Deposit will be forfeited.

- 11. Insurance:** Insurance of materials is to be done by the supplier at their own cost. The responsibility of delivery of the materials at destination in good condition rests with the supplier. Any claim with the insurance company Railway authority/ Road transport authorities arises due to loss or damage in transits has to be settled by the supplier. The supplier shall undertake free replacement of materials damage or lost which will be reported by the consignee within 30 Days of the receipt of the materials at destination without waiting for the settlement of the claims with the carriers.
- 12. Despatch Instruction & Consignee:** The SDO, TLS, Berhampur is the consignee & verifying officer for the contract.
- 13. Paying Officer:** The **DGM, EHT (O&M) Division, Berhampur** is the paying officer for this contract.
- 14. Rejection of Materials:** In the event any of the equipments/ material supplied by the manufacturer is found defective due to faulty design, bad workmanship, bad materials used or otherwise not in conformity with the requirements of the Specification, the Purchaser shall either reject the equipment/material or ask the supplier in writing to rectify or replace the defective equipment/material free of cost to the purchaser. The Supplier on receipt of such notification shall either rectify or replace the defective equipment/material free of cost to the purchaser within 15 days from the date of issue of such notification by the purchaser. If the supplier fails to do so, the Purchaser may:-
 - A. At its option replace or rectify such defective equipments/materials and recover the extra costs so involved from the supplier plus fifteen percent and/or.
 - B. Terminate the contract for balance work/supplies, with enforcement of penalty Clause as per contract for the un-delivered goods and with forfeiture of Performance Guarantee/ Composite Bank guarantee.
- 15. Experience:** The bidders are required to submit the list of his past experience on supply of similar materials to OPTCL,/DISCOM/OPGC/OHPC or equivalent. Agency having experience will be given preference to others.
- 16. Jurisdiction of Court:** Dispute if any, arising against the supply order issued to the supplier shall be filed by either party in any court of law to which the jurisdiction of Odisha High Court extends.

The Authority reserves the right to reject the notice/ award the contract among any responsive bidders against this tender or without assigning any reason thereof. All other terms and conditions will be governed by OPTCL as per Rules.

Dy. General Manager

SECTION - III

TECHNICAL SPECIFICATION OF CLAMP, CONNECTOR& NUT BOLTS

This Specification covers supply and delivery of clamps connectors and nut bolts suitable for use in 132 KV and 220 KV Grid S/S of OPTCL.

Standard: The materials to be supplied should be conforming to ISS & IEC standard.

i)	IS:5561 - 1970	Aluminium Clamps and Connectors
ii)	IS:2633	Method of testing of uniformity of coating on zinc coated articles
iii)	IS:209	Specification for Zinc.

1. Clamp & Connector:

- The materials offered shall be of first class quality, workmanship, well finished and approved design. All castings shall be free from blow-holes, flaws, cracks of other defects and shall be smooth, close grained and true forms and dimensions.
- All current carrying parts shall be so designed and manufactured that contact resistance is reduced to the minimum.
- The fittings offered shall be inherently resistive to atmospheric corrosion or be suitable to protect against corrosion both during storage as well as in service.
- The clamps/connector shall not cause any damage to the conductor in any way. No part of a clamp shall be less than 15 mm thick for fittings suitable for ACSR Panther/ Zebra/ Moose conductor.
- All bolts, clamps, etc. shall have suitable locking arrangements to safe guard against vibration and loosening.
- For bimetallic connectors, copper alloy liner of minimum thickness of 2 mm shall be cast integral with aluminum body.
- The required bolts and nuts for terminal connector must be hot dip galvanized with suitable check nut/washer.

2. Nut & Bolt with spring & flat washer

- All ferrous parts including fasteners shall be hot dip galvanized, after all machining has been completed. Nuts may however be tapped (threaded) after galvanizing and the threads oiled. Spring washers shall be electro-galvanized. The bolt threads shall be undercut to take care of the increase in diameter due to galvanizing. Galvanizing shall be done in accordance with IS-2629-1985 and shall satisfy the tests mentioned in IS 2633-1986. Fasteners shall withstand four dips while spring washers shall withstand three dips of one-minute duration in the standard Preece test. Other galvanized materials shall be guaranteed to withstand at least six successive dips each lasting one minute under the Standard Preece test for galvanizing.

Details of material requirement

SI No	Description of Aluminium clamps & Connector	Berhampur	Narendrapur	Digapahandi	Total in set/ kg
1	06 bolted pad clamp suitable for Zebra Conductor	50		20	70nos
2	12 bolted T-clamp suitable for Zebra run & Zebra drop	30	20	20	70
3	12 bolted T-clamp suitable for Panther run & Zebra drop	20			20

4	12 bolted T-clamp suitable for Moose run & Zebra drop		10		10
5	14 bolted T-clamp suitable for Moose run & Moose drop		20		20
6	06 bolted Pad L-clamp suitable for Zebra	20			20
7	132KV Transformer bushing clamp made out of brass & fitted with bimetallic pad clamp suitable for Zebra	10			10
8	33KV Transformer bushing clamp (thread type) made out of brass & fitted with bimetallic pad clamp suitable for Zebra	10			10
9	03bolted PG clamp suitable for Panther to Dog	20			20
10	03bolted PG clamp suitable for Zebra	50	20	20	90
11	03bolted PG clamp suitable for Panther		10		10
12	04bolted PG clamp suitable for Zebra		20		20
13	04bolted PG clamp suitable for Panther	20	10		30
14	04bolted PG clamp suitable for Moose		10		10
15	Bimetallic CT stud clamp suitable for Zebra	20			20
16	Bimetallic Isolator pad clamp suitable for Moose		20		20
17	Isolator pad clamp suitable for zebra		20		20
18	220KV breaker pad clamp suitable for Moose		12		12
GI Nut & Bolts with flat & spring washer in kg					
19	12mm x 50mm full thread nut & bolt with spring washer and flat washer	30kg			30kg
20	16mm x 45mm full thread nut & bolt with spring washer and flat washer		10		10
21	16mm x 50mm full thread nut & bolt with spring washer and flat washer	20			20
22	16mm x 55mm full thread nut & bolt with spring washer and flat washer		10		10
23	16mm x 65mm full thread nut & bolt with spring washer and flat washer		10		10
24	16mm x 75mm full thread nut & bolt with spring washer and flat washer	20	10		10
25	16mm x 100mm half thread nut & bolt with spring washer and flat washer	20			20
26	18mm x 55mm full thread nut & bolt with spring washer and flat washer		10		10
27	18mm x 65mm full thread nut & bolt with spring washer and flat washer		10		10
28	18mm x 75mm half thread nut & bolt with spring washer and flat washer		10		10
29	18mm x 80mm half thread nut & bolt with spring washer and flat washer		20		20
30	18mm x 95mm half thread nut & bolt		20		20

	with spring washer and flat washer				
31	18mm x 105mm half thread nut & bolt with spring washer and flat washer		20		20
32	18mm x 115mm half thread nut & bolt with spring washer and flat washer		20		20
33	20mm x 70mm full thread nut & bolt with spring washer and flat washer		20		20
34	20mm x 105mm half thread nut & bolt with spring washer and flat washer		20		20

Dy. General Manager

****N.B:** The bidder are requested to submit the following mandatory sample of clamp & connector, Nut bolt with flat & spring washer to the undersigned for scrutiny.

- SI No1: 06 bolted pad clamp suitable for Zebra Conductor
- SI No 2: 12 bolted T-clamp suitable for Zebra run & Zebra drop
- SI No10: 03bolted PG clamp suitable for Zebra
- SI No 19: 12mm x 50mm full thread nut & bolt with spring washer and flat washer
- SI No 34: 20mm x 105mm half thread nut & bolt with spring washer and flat washer

Other materials sample along with above is also most welcome.

Schedule of Price

Sl No	Description of Aluminum clamps & Connector	Quantity	UO M	Unit Rate	Unit rate in word	GST in %	Unit rate with GST	Total rate
1	2	3	4	5	6	7	8	9 = (4*7)
1	06 bolted pad clamp suitable for Zebra Conductor	70	Nos					
2	12 bolted T-clamp suitable for Zebra run & Zebra drop	70	Nos					
3	12 bolted T-clamp suitable for Panther run & Zebra drop	20	Nos					
4	12 bolted T-clamp suitable for Moose run & Zebra drop	10	Nos					
5	14 bolted T-clamp suitable for Moose run & Moose drop	20	Nos					
6	06 bolted Pad L-clamp suitable for Zebra	20	Nos					
7	132KV Transformer bushing clamp made out of brass & fitted with bimetallic pad clamp suitable for Zebra	10	Nos					
8	33KV Transformer bushing clamp (thread type) made out of brass & fitted with bimetallic pad clamp suitable for Zebra	10	Nos					
9	03bolted PG clamp suitable for Panther to Dog conductor	20	Nos					
10	03bolted PG clamp suitable for Zebra	90	Nos					
11	03bolted PG clamp suitable for Panther	10	Nos					

Dy. General Manager

Sign of the Tenderer

12	04bolted PG clamp suitable for Zebra	20	Nos					
13	04bolted PG clamp suitable for Panther	30	Nos					
14	04bolted PG clamp suitable for Moose	10	Nos					
15	Bimetallic CT stud clamp suitable for Zebra	20	Nos					
16	Bimetallic Isolator pad clamp for suitable for Moose	20	Nos					
17	Isolator pad clamp for 33KV suitable for zebra	20	Nos					
18	220KV breaker pad clamp suitable for Moose	12	Nos					
	GI Nut & Bolts with flat & spring washer in kg							
19	12mm x 50mm full thread nut & bolt with spring washer and flat washer	30	Kg					
20	16mm x 45mm full thread nut & bolt with spring washer and flat washer	10	Kg					
21	16mm x 50mm full thread nut & bolt with spring washer and flat washer	20	Kg					
22	16mm x 55mm full thread nut & bolt with spring washer and flat washer	10	Kg					
23	16mm x 65mm full thread nut & bolt with spring washer and flat washer	10	Kg					
24	16mm x 75mm full thread nut & bolt with spring washer and flat washer	10	Kg					
25	16mm x 100mm half thread nut & bolt with spring washer and flat washer	20	Kg					
26	18mm x 55mm full thread nut & bolt with spring washer and flat washer	10	Kg					

Dy. General Manager

Sign of the Tenderer

27	18mm x 65mm full thread nut & bolt with spring washer and flat washer	10	Kg						
28	18mm x 75mm half thread nut & bolt with spring washer and flat washer	10	Kg						
29	18mm x 80mm half thread nut & bolt with spring washer and flat washer	20	Kg						
30	18mm x 95mm half thread nut & bolt with spring washer and flat washer	20	Kg						
31	18mm x 105mm half thread nut & bolt with spring washer and flat washer	20	Kg						
32	18mm x 115mm half thread nut & bolt with spring washer and flat washer	20	Kg						
33	20mm x 70mm full thread nut & bolt with spring washer and flat washer	20	Kg						
34	20mm x 105mm half thread nut & bolt with spring washer and flat washer	20	Kg						
35	Grand Total in Rupees								

Date
Place

Signature of the Tenderer
with seal.

Dy. General Manager

Annexure –III

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	Test Certificate	Furnished / Not furnished
6	Sample Submission on 29.05.18	Furnished / Not furnished
7	Attach past experience certificate for similar job in OPTCL/ DISCOM / OHPC/ OPGC etc	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 supply of materials 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

Date

**Signature of the Tenderer
with seal.**

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

