

ଓଡ଼ିଶା ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଃ.  
ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Govt. of Odisha undertaking)

CIN – U40102OR2004SGC007553

REGD. OFFICE: JANPATH, BHUBANESWAR-751022,  
OFFICE OF THE DEPUTY GENERAL MANAGER (Elect)

EHT (O&M) DIVISION, MERAMUNDALI

At- Kantabania, PO- Kusupanga, Dist- Dhenkanal

E-mail-ehm.div.mrm@optcl.co.in

TENDER SPECIFICATION FOR TENDER CALL NOTICE NO. 12 /2018-19

PROCUREMENT OF DIFFERENT TYPES OF ALUMINIUM CLAMPS & CONNECTORS  
TO BE USED AT 400/220/132 kV GRID S/S, MERAMUNDALI UNDER EHT (O&M)  
DIVISION, MERAMUNDALI.

**COST OF TENDER PAPER**

**Rs. 2,000/- + 12% GST=Rs.2, 240 /-**

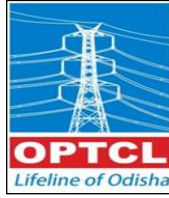
**(Rupees Two Thousand Two Hundred Forty only)**

**ISSUED TO**

M/S .....

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**ଓଡ଼ିଶା ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡ.**  
**ODISHA POWER TRANSMISSION CORPORATION LTD**  
(A Govt. of Odisha undertaking)  
CIN – U40102OR2004SGC007553  
REGD. OFFICE: JANPATH, BHUBANESWAE-751022  
OFFICE OF THE DEPUTY GENERAL MANAGER (Elect)  
EHT (O&M) DIVISION, MERAMUNDALI,  
At- Kantabania, PO- Kusupanga, Dist- Dhenkanal, PIN- 759121.  
E-mail-ehm.div.mrm@optcl.co.in

**TENDER SPECIFICATION FOR TENDER CALL NOTICE NO. 12/2018-19.**

**FOR PROCUREMENT OF DIFFERENT ALUMINIUM CLAMPS & CONNECTORS TO BE  
USED AT 400/220/132 KV GRID S/S, MERAMUNDALI UNDER EHT (O&M) DIVISION,  
MERAMUNDALI.**

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|-----|--|--|
| 1.  | SECTION-I                                    | Instruction to bidders.  |
| 2.  | SECTION-II                                   | General Condition of contract.   |
| 3.  | SECTION-III                                  | Technical Specification  |
| (a) | Annexure-I                                   | (Scope of Supply)  |
| (b) | Annexure-II                                  | (Price schedule)   |
| 4.  | SECTION- IV                                  | Declaration Form   |
| 5.  | Price of tender document                     | Rs. 2000/-+12 % GST =Rs 2,240/-<br>(Rupees two thousand two hundred forty) only. |
| 6.  | COMMENCEMENT OF SALE OF TENDER PAPER.        | 31.10.2018 (11.00 AM to 5.00 P.M.)   |
| 7.  | LAST DATE OF SALE OF TENDER PAPER.           | 26.11.2018 (11.00 AM to 5.00 P.M.)   |
| 8.  | LAST DATE & TIME OF RECEIPT OF TENDER PAPER. | 27.11.2018 (Up to 1.00 P.M.)   |
| 9.  | DATE & TIME OF OPENING OF TENDER.            | 27.11.2018 (At 3.30 P.M.)  |

## **TENDER CALL NOTICE NO. 11/ 2018-19**

The Dy. General Manager (Elect.), E.H.T. (O&M) Division, Meramundali invites sealed Tenders in duplicate from intending Manufacturers/Authorized Dealers/Reputed Supplier for Supply of Different types of Aluminium clamps & connectors for 400/220/132 KV Grid S/S, Meramundali under EHT (O&M) Division Meramundali as follows.

<b>Sl. no.</b>	<b>Description</b>	<b>Place of Delivery</b>	<b>Cost of Tender Paper</b>
1	Supply of Different types of Aluminium clamps & connectors to be used at Grid S/S, Meramundali.	400/220/132 KV Grid S/S, Meramundali	Rs.2000/- + GST 12%

The tender specification can be obtained from the office of The DGM EHT (O&M) Division, MERAMUNDALI on payment of Rs. **2000/- (Two Thousand only) +GST @ 12%** (Non Refundable) in shape of Cash/ Bank Draft in favor of DGM, EHT (O&M) Division, MERAMUNDALI payable at "STATE BANK OF INDIA", Bhushan Steel Plant, Narendrapur Branch on any working day from **Dt. 30.10.2018 to Dt. 26.11.2018**. In case the D.D made at any other nationalized bank payable at any clearing branch at Talcher/Angul will be allowed, but the bidders have to deposit the collection fee (Bank transaction fee) along with the paper cost. The collection fee & Paper cost is Non-refundable. Additional amount of Rs.100/- (One Hundred only) may be paid extra for postal delivery of the tender specification. The undersigned shall not be held responsible for any postal delay.

The Tender shall be received by **01.00 PM** on dated **27.11.2018** & will be opened at **03.30 PM** on same day in the Office of the undersigned in the presence of the Bidders (or) their Authorized Representatives present if any. If any of the above date happens to be a holiday, the next working day will be the corresponding effective date. One Tender paper shall be issued to each Bidder. E.M.D of Rs. 5000.00 (Rupees Five Thousand only) should be deposited in shape of Cash /Demand Draft in favour of **E.H.T. (O&M) Division, Meramundali & payable at "STATE BANK OF INDIA", Bhushan Steel Plant, Narendrapur Branch.**

**The Bidder should super scribe only the "Tender Call Notice No. & Date of Opening of the tender on the body of the Sealed Envelope". Bidder should not write their name or any other information on the body of the sealed envelope. Superscribing any other information on the body of the envelope, Conditional tender, Incomplete tender, Telegraphic / Fax / E-mail (etc.) Tenders & Tenders not accompanied with requisite amount of E.M.D. will be rejected. The authority reserves all rights to reject any, all or part of the Tender, alter/modify the requirement/ delete any part of the tender without assigning any reason thereof. N.B:- Tender Paper must be purchased from this office only. No other mode like downloaded paper from website will be accepted.**

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

**SECTION-I**  
**INSTRUCTION TO BIDDERS**

1. Sealed Tenders in duplicate from intending Manufacturers/Authorized Dealers/Reputed Supplier with valid PAN and GST registration for Supply of Different types of Aluminium clamps & connectors to be used at 400/220/132 kV Grid S/S, Meramundali under EHT (O&M) Division, Meramundali.

2. **SCOPE OF SUPPLY:** The Scope of Supply is enclosed in Annexure-I of Section-III.

3. **SUBMISSION & OPENING OF TENDER:-**

The bidder has to submit all the documents as mentioned in Clause No.08 (A) of SECTION-I. Also the documents must be valid on the date of opening of tender and should be submitted along with tenders, failing which the tender will be rejected. The bidder or their authorized representatives should produce the original documents mentioned in Clause No.08 (A) of SECTION-I for verification at the time of opening of the tender. Those who fail to produce the same and found not to be valid on the date of opening of tender not matching with the Xerox copy submitted by the bidder; their tenders will be out rightly rejected. In case if only one bidder participates in the tender process or nature of urgency of work (decided by this office), then undersigned may consider the case (\*but not mandatory) & he will be given a chance to produce original documents in this office within one week from the date of opening of the tender.

4. **RIGHT & AUTHORITY FOR REJECTION:** - Tenders received after due date and time will be summarily rejected. The Dy.General Manager (Electrical), E.H.T. (O&M) Division, Meramundali reserves the right to reject any or all of the tenders without assigning any reason thereof.

5. **VALIDITY OF OFFER:** - The offer should be firm and valid for a period of at least 180 days from the date of opening of tenders, or else the tender will be out rightly rejected.

6. **EARNEST MONEY DEPOSIT:** - The tender should be accompanied with **Rs. 5000.00 (Rupees Five Thousand only)** towards Earnest Money Deposit (EMD) either in shape of Cash/ Bank Draft in favour of EHT (O&M) DIVISION, MERAMUNDALI payable at "STATE BANK OF INDIA", Bhushan Steel Plant, Narendrapur Branch otherwise tender will be out rightly rejected. In case the D.D made on any other nationalized bank payable at any clearing branch at Talcher/Angul will be allowed, but the bidders have to deposit the collection fee (Bank transaction fee) along with the EMD. The collection fee is Non-refundable & it can't be taken into account of EMD deposit. The EMD of the unsuccessful Bidders will be returned after finalization of tender. The EMD of the successful Bidders will be returned only after satisfactory execution of order. In case successful Bidder fails to execute the order satisfying all terms & conditions & scope of work within stipulated date mentioned in the date of order, the Earnest Money Deposit will be forfeited. No interest will be paid on the EMD.

7. **SECURITY DEPOSIT:** - The Tenderers whose offer qualifies for acceptance will be awarded the contract and the contractor shall have to deposit security amount equal to 10% (ten percent) of contract value in shape of Bank Draft drawn in favour of *paying officer* of OPTCL. The Security deposit shall be released after one year of the verification of materials subject to fulfillment of the guarantee stated under clause – 11 of Section-III on receipt of application for this purpose. No interest shall be paid to the supplier towards the security deposit so deposited by the supplier. The security deposit shall be deposited with the *paying officer of OPTCL Prior to execution of the contract*. In case of non-deposit of Security Amount, then same will be deducted from the final bill.

8. (A) **DOCUMENTS:-**

- i) Valid GST Registration Certificate
- ii) Valid PAN/ TIN.
- iii) Manufacturer's Certificate// Authorized Dealership Certificate

- (B) i) Past Experience of Supply to any PSUs/OPTCL  
ii) Performance Certificate

**9. CORRECTIONS, OVER-WRITINGS AND ILLEGIBILITY:** Tender with over writing, erased, illegible rates or rates not shown in figures and words in English will be liable for rejection. In case of discrepancy between words and figures noted against each item of the tender and between unit rates and total amount, the decision of the Competent Authority accepting the tender will be final and binding on the bidders. Total of item and grand total of whole tender must be clearly written.

Correction in the tender, if un-avoidable, should be made by re-writing with dated initial of the bidder after scoring out wrong entries, clerical and arithmetical mistakes may result in the rejection of the tender.

**10.** The bidder shall sign on all pages of the tender document as a token of acceptance of all terms and conditions thereof and submit his quotations therein.

**11.** The bidder shall quote the rates in the Price Bid of the tender documents. The rates quoted should be including of all taxes and duties but exclusive of GST.

**12.** Request from the bidder in respect of additions, alterations, modifications, corrections of either terms or conditions or rates after opening of the tender will not be considered.

**13.** All correspondence relating to the tender shall be made with Dy.General Manager (El.), E.H.T. (O&M) Division, OPTCL, Meramundali.

**14. ADDITION OR DELETION OF SCOPE:** - The Purchaser may alter the quantities at the time of placing orders. Initially the purchaser may place orders for lesser quantity with full freedom to place extension orders for further quantity under similar terms and conditions of the original orders. Orders may also be split among more than one tenderer for any particular item, if considered necessary in the interest of the Purchaser to get the goods/equipment earlier.

**15. ARBITRATION:** - In the event of any dispute arising out his contract. The same shall be referred for arbitration to the Director (HRD) OPTCL, Bhubaneswar or any arbitrator appointed by the Chairman- Cum- Managing Director, OPTCL after due notice of claim and such appointment and the award of the arbitrator shall be final and binding arbitration and conciliation Act. 1996 shall apply. The venue of arbitration will be Bhubaneswar.

**SECTION-II**  
**GENERAL TERMS & CONDITIONS**

**1. PRICE: -**

(a) The price quoted should be firm, F.O.R. destination inclusive of freight, Insurance, Packing, Forwarding charges inclusive discount if any.

(b) Taxes, if any shall be mentioned extra. The tenderer may quote rate in respect of Different make Materials as per scheduled.

**2. VALIDITY: -**

The offer should be valid for at least a period of **180 (one hundred eighty)** days from the date of opening of the tender.

**3. TERMS OF PAYMENT: -**

100 % Payment with taxes etc. against Security Deposit else 90% shall be made within 30 days after receipt of materials in full and in good condition & verification thereof by the consignee subject to availability of funds from Head office.

**4. 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. However early delivery shall be preferred.

**5. PENALTY FOR DELAY IN DELIVERY:**

If the supplier shall fail to deliver the materials within the delivery period as stipulated under clause No.4 (Section-III) 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 percent) 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 the time, the missing/ undelivered parts are delivered.

**6. 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

**7. EARNEST MONEY: -** The Tenderers are requested to deposit EMD of **Rs. 5000.00 (Rupees Five Thousand only)** in shape of cash/ demand draft in favour of E.H.T. (O&M) Division, OPTCL, Meramundali and payable at "STATE BANK OF INDIA", Bhushan Steel Plant, Narendrapur Branch. The EMD will be refunded to the un-successful bidders, after finalization of tender. The EMD of Successful bidder will be refunded after award of finalization of contract on submission of security deposit. The EMD submitted by the contractors along with their bids shall not carry any interest from OPTCL. The Tender without EMD will be summarily rejected.

**8. 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 arising 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 and underwriters.*

**9. DESPATCH INSTRUCTIONS:** The materials should be securely packed and dispatched by Rail/ road transport at locations as mentioned below to the consignee. The cost of transportation will be borne by the supplier.

**10. FREE REPLACEMENT:** Free replacement of materials lost/ damaged due to transit shall be made immediately on receipt of the intimation from the consignee / paying Officer without waiting for settlement of the claim of bidders with Railway/ Lorry/ Insurance Company.

**11. 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 12 months from the date of delivery. 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. The guarantee certificate in triplicate should be submitted to the office of the undersigned for necessary approval.*

**12. Security Deposit:**

- i) The successful bidder has to submit security deposit in shape of DD i.e. 10% value of the work order/purchase order in favour of ***E.H.T (O&M) Division, Meramundali.***
- ii) No interest is payable on security deposit.
- iii) In case of non-fulfillment of contractual obligation as required in the detailed purchase order / specification, the security deposit shall be forfeited.
- iv) The security deposit shall be refunded only after successful completion of guarantee period and after adjustment of any dues.
- v) The security deposit should be submitted separately to each paying authority.
- vi) **In case of non-deposit of the security amount, the same will be deducted from the bill.**

**13. STANDARD:** The materials offered self-confirm to relevant IS & ISI standard.

**14. ADDITION & ALTERATION:** -The authority reserves the right to add or to reduce the quantum of materials without assigning any reasons thereof.

**15. RIGHT TO REJECT / ACCEPT ANY TENDER:** -The Authority reserves the right, either to reject or accept any or all the tenders without assigning any reasons thereof.

**16. JURISDICTION OF THE COURT:** -For the purpose of jurisdiction of court in the event of dispute if any shall be deemed to have entered into any court of law to which the jurisdiction of Orissa High Court extends and it is hereby expressly agreed that neither party shall be competent to bring a suit in regard to the matter covered by this purchase at any place outside State of Odisha.

**17. SUBMISSION OF GST REGISTRATION CERTIFICATE:**-Clear attested Xerox copies of PAN No. & GST Registration certificate should be submitted along with the tender, failing which, the tender will be rejected.

**18. LANGUAGE AND MEASURES:** - All documents pertaining to the contract including Specifications, Schedule, Notices, Correspondence, Operating and Maintenance instructions, Drawings or any other writing shall be written in English language. The metric system of measurement shall be used exclusively in this contract.

**19. DEVIATION FROM SPECIFICATION:** -It is in the interest of the Tenderers to study the Specification, works etc. specified in the tender should thoroughly before tendering so that, if any deviations are made by the Tenderers, the same are prominently brought out on a separate sheet under heading "Deviations". A list of deviation shall be enclosed with the Tender. Unless deviation in scope, technical and commercial stipulations are specifically mentioned in the list of deviations, it shall be presumed that the Tenderer has accepted all the conditions stipulated in the Tender Specification, not withstanding any exemptions mentioned therein.

**20. RIGHT TO REJECT / ACCEPT ANY TENDER:** -The owner reserves the right either to reject or to accept any or all tenders if the situation so warrants in the interest of the organization. Orders may also be split up between different Tenderers on individual merits of the Tenderer. The owner has exclusive right to alter the quantities of materials at the time of placing final Purchase order. It may be clearly understood by the Tenderer, that the owner need not assign any reason for the above action (s).

**21. CONTRACTOR TO INFORM HIMSELF FULLY:** - The Contractor shall examine the instructions to Tenderers, General Conditions of contract, Specification and the Schedules of Quantity and delivery to satisfy himself as to all terms and conditions and circumstances affecting the contract price. He shall quote price(s) according to his own views on these matters and understand that additional allowances except as otherwise provided therein will be levied. The owner shall not be responsible for any misunderstanding or incorrect information obtained by the Contractor other than the information given to the Contractor in writing by the owner.

**22. FORCE MAJEURE:** - The Contractor shall not be liable for any penalty for delay or for failure to perform the contract for reasons of force Majeure such as acts of God, acts of the public enemy, acts of Govt., Fires, Floods, Epidemics, Quarantine restrictions, strikes, Freight Embargo, provided that the Contractor shall within ten (10) days from the beginning of such delay notify the owner in writing of the clause of delay, upon which, the owner shall verify the facts and grant such extension as facts justify.

**23. CORRESPONDENCES:**

- i) Any notice to the Contractor under the terms of the contract shall be served by Registered Post or by hand at the Contractor's Principal Place of Business.
- ii) Any notice to the owner shall be served at the owner's Principal office in the same manner.
- iii) The address with Telephone No. should be given for immediate contract in case of any problems and negligence or emergency duties.

**24. OUTRIGHT REJECTION OF TENDERS:** - Tenders shall be out rightly rejected if they are not complying with the following requirements:

- i) The Tenderer shall submit the bid before submission date & time and shall submit the cost of tender documents.
- ii) Tenders shall not be submitted telegraphically or by FAX.
- iii) Tenders shall be accompanied by the prescribed Earnest Money Deposit on or before the date & time of opening of the bid unless otherwise qualified for exemption from furnishing of EMD.
- iv) The bidder having any pending legal suit against the organization.
- v) For any warning for unsatisfactory works taken up or termination of agreement for similar works by OPTCL.
- vi) The tender should quote "firm" price only and the price should be kept valid for a minimum period of 180 days from the date of opening of the tender.

**25. DOCUMENTS TO BE TREATED AS CONFIDENTIAL:**

The Contractor shall treat the details of the Specification and other Tender documents as private and confidential and they shall not be reproduced without authorization from the Purchaser.

**26. Consignee** : Manager, 400/220/132 KV Grid s/s, Meramundali.

**27. Paying Officer** : Dy.GM (Elect.), EHT (O&M) Division, Meramundali.



**SECTION-III**  
**ANNEXURE-I (SCOPE OF SUPPLY)**

Sl. No	Name Of The Material	Specification	Quantity
1	PG Clamp(04 Bolted) for AAAC Moose Conductor	As per sample and conforming to designation A6 of IS: 617.	100 Nos.
2	Isolator PI 40 MM stud to Twin AAAC Moose Conductor with 450 MM spacing	Sample to be submitted with drawing for approval	30 Nos.
3	400 kV CT Terminal Pad to 120 MM Aluminium Pipe clamp ( Bimetallic)		20 Nos.
4	Moose to Moose T-clamp (8 Bolted)		20 Nos.
5	Clamp for Isolator PI 40 MM stud to 120 MM Aluminium pipe		15 Nos.
6	Clamp for PI base to 120 MM Aluminium pipe for Moose drop		15 Nos.

**1. GENERAL TECHNICAL REQUIREMENT OF CLAMP/CONNECTOR:**

All casting shall be free from shrinking, blow holes, surface blisters, cavities, cracks, other defects and quality of product shall be uniform throughout. All sharp edges and corners shall be blurred and rounded off.

1.1 Assembly shall be designed and manufactured in such a way so as to have minimum contact resistance.

1.2 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.

1.3 The clamps/connector shall not cause any damage to the conductor in any way.

1.4 All bolts, clamps, etc. shall have suitable locking arrangements to safe guard against vibration and loosening.

1.5 Minimum thickness of any part shall be 12 mm or as per TTR which is more.

1.6 All ferrous parts shall be hot dip galvanized confirming to IS: 2633.

1.7 For bimetallic connectors, copper alloy liner of minimum thickness of 2 mm shall be cast integral with aluminium body.

1.8 Flexible connectors shall be made from tinned/copper/aluminium sheets.

1.9 Connectors shall be designed to be corona free in accordance with the requirements stipulated in IS: 5561

1.10 The terminal connectors suitable for conductor shall be compression type, unless otherwise indicated.

1.11 The required bolts and nuts for terminal connector must be MS HDG in line with submitted TTR with suitable check nut.

1.12 No Nuts & bolts shall be less than 12 mm size.

**2.0 SPECIFIC REQUIREMENTS:**

2.1 Clamps and fittings shall be so designed that the equipment shall not subject to any abnormal stress due to thermal changes in conductor. All the clamps and fittings shall be enable the connection to be as short as possible. Wherever possible they shall be in two separate halves. No 'U' bolts shall be used.

2.2 The data in respect of bus bars and equipment for which clamps and connectors are required shall be given to the successful bidder.

2.3 MATERIAL: The clamps and connectors shall be made of materials listed below:

- i) For connecting ACSR conductor aluminum alloy casting conforming to designation A6 of IS: 617.
- ii) Bolts, nuts, plain washers and spring washers for all items: Hot dip galvanized mild steel/stainless steel as per GETCO approved make.
- iii) Split pin shall be made of stainless steel.

2.4 The clamps shall be designed to withstand the flow of continuous current as follows:

- i) 400 kV - 3150/2000 Amp.
- ii) 220 kV - 2000 Amp.
- iii) 132kV - 1600 Amp.
- iv) 66 kV - 800/1250 Amp.

The temperature rise when carrying full load current shall not exceed 45°C above site ambient temperature of 45°C.

### **3.0 DESIGNS:**

3.1 Responsibility of satisfactory design of the clamps/connectors to safely withstand the specified mechanical stresses and carry the rated current without exceeding the temperature rise specified, shall solely rest with the bidder. For this purpose, a minimum factor of safety 2 (two) shall be taken into account.

**4. TEST:** Individual fittings, clamps, connectors shall be subjected to following Type, Acceptance and Routine Tests.

4.1 CLAMPS & CONNECTORS IS: 5561 – (1970):

4.1.1 Type Test:

- a) Tensile test :
- b) Resistance test:
- c) Temperature rise test. :
- d) Short time current test:
- e) Dimensional check:
- f) Galvanizing test:
- g) Corona test : Only for 400 kV class
- h) Radio interference test. : Only for 400 kV class

4.1.2 Acceptance Test:

- a) Visual inspection
- b) Dimensional check
- c) Tensile test :
- d) Resistance test:
- e) Dimensional check:
- f) Galvanizing test:

#### 4.1.3 Routine Test:

- a) Visual inspection:
- b) Dimensional check:

The bidder shall have to submit copies of type test certificates. Type test reports shall not be older than SEVEN years and shall be valid up to the expiry of the validity of the offer of any Govt. Recognized/NABL Laboratory for consideration along with the technical bid, otherwise, bidder should confirm to arrange for conducting these tests at their cost before commencement of supply, without affecting delivery schedule.

#### 5.0 EXPERIENCE:

The Bidders have to clearly state their experience, resources, engineering organization to undertake this work of supply of clamps/connectors. The Bidder shall have minimum experience of 3 years in the manufacture of similar item for 220KV and above.

#### 6.0 DRAWINGS:

Successful bidder shall submit all the required drawings and get approval within stipulated commencement period. Inspection call can be raised only after drawing approval.

**7.0 INTERCHANGEABILITY:** All fittings shall be of standard design and made to gauge or jig and shall be interchangeable in all respects with similar items.

**8.0** (a) True copies of all the Type Test Certificates of Govt. recognized /NABL Laboratory in respect of the offered items only shall be furnished.

(b) Descriptive literature, dimensional drawings catalogues, etc. shall be submitted for the offered items.

(c) Bids which do not give complete details, or which are vague and technically not in line with the OPTCL's requirements shall be liable for rejection.

#### 9.0 QUALITY ASSURANCE PLAN

The bidder shall invariably furnish following information along with his offer, failing which his offer shall be rejected.

- i) Statement giving list of important raw materials, proposed to be used in the manufacture of the accessories against this specification, names of sub suppliers for the raw materials, list of standards according to which the raw materials are tested,
- ii) List of tests normally carried out on raw materials in presence of supplier's representative as routine and/or acceptance during production and on finished goods, copies of test certificates.
- iii) Information and copies of test certificates as in (i) above in respect of bought out accessories.
- iv) List of manufacturing facilities available.
- v) Level of automation achieved and list of areas where manual processing exists.
- vi) List of areas in manufacturing process, where stage inspections are normally carried out for quality control and details of such tests and inspections.
- vii) List of testing equipment available with the supplier for final testing of conductor specified. In the case if the supplier does not possess all the routine and acceptance testing facilities the tender will be rejected.
- viii) Special features provided to make it maintenance free.
- ix) The OPTCL reserves the right for factory inspection to verify the facts quoted in the offer. If any of the facts are found to be misleading or incorrect the offer of that supplier will be out rightly rejected and they may be black listed.

**ANNEXURE-II**

**PRICE SCHEDULE**

<b>Sl. No.</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty.</b>	<b>Unit Ex. Price In Rs.</b>	<b>GST</b>	<b>Unit Price Including all Taxes &amp; duties</b>	<b>Total in Rs. ( column 4 x column 7)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
1	PG Clamp(04 Bolted) for AAAC Moose Conductor	No.	100				
2	Isolator PI 40 MM stud to Twin AAAC Moose Conductor with 450 MM spacing	No.	30				
3	400 kV CT Terminal Pad to 120 MM Aluminium Pipe clamp ( Bimetallic)	No.	20				
4	Moose to Moose T-clamp (8 Bolted)	No.	20				
5	Clamp for Isolator PI 40 MM stud to 120 MM Aluminium pipe	No.	15				
6	Clamp for PI base to 120 MM Aluminium pipe for Moose drop	No.	15				
8	<b>GRAND TOTAL in Rs.</b>						

(Rupees ..... ) Only

**NB: All the materials to be supplied as per Technical Specification mentioned in Annexure-I of Section IV.**

**(FULL SIGNATURE OF THE CONTRACTOR WITH SEAL)**

**SECTION-IV**  
**DECLARATION FORM**  
**(TO BE SUBMITTED WITH THE TENDER PAPER)**

To  
The Dy.General Manager (El),  
E.H.T. (O&M) Division  
OPTCL, Meramundali

Sub: Tender Notice No.

Sir,

Having examined the above tender paper we hereby offer to Supply of Different types of aluminium clamps & connectors to be used at Grid S/S Meramundali, complete in all aspects to the rate/s entered as mentioned in our tender enclosed herewith.

1. We certify to have purchased a copy of tender paper remitting Rs.....by Cash/ Bank Draft and this has been acknowledged by you in your receipt No..... Dated.....

2. We enclosed herewith Rs. 5000.00 (Rupees Five Thousand only) as EMD in shape of Bank Draft/ Cash in favour of E.H.T. (O&M) Division, OPTCL, Meramundali payable at "STATE BANK OF INDIA", Bhushan Steel Plant, Narendrapur Branch.

Cash receipt/ Bank Draft No.                      Dt.                      .

3. We agree to the Security Deposit conditions if our bid will be considered for contract.

Yours faithfully,

Encl: Tender in duplicate.

Signature of Bidder  
(with Seal)

## GUARANTEED TECHNICAL PARTICULARS FOR CLAMPS & CONNECTORS

(Completely filled in & submitted in the Technical Bid)

1	Manufacturer's Name Address of works from where the material is offered.	
2	Applicable Standard	
3	Application	
4	Type of connector	
5	For connection to: 1) Conductor size and arrangement. 2) Equipment terminal size.	
6	Material (State percentage composition of constituents and impurities present) 1) Clamp body 2) Bolt and Nuts 3) Spring washers 4) Liners if any	
7	Rated current (Ampere)	
8	Maximum temperature rise over ambient temperature when carrying rated current. (°C)	
9	Rated terminal load	
10	Factor of safety	
11	Minimum thickness of any part, in mm	
12	Weight of clamp complete with hardware.	
13	Machining accuracy for matching surface.	
14	Service Indoor/Outdoor	
15	Manufacturers Drg. No.	

Signature of the Bidder: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Date: \_\_\_\_\_

Authorised common rubber

Stamp / seal of the bidder: \_\_\_\_\_