



ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିମିଟେଡ.
ODISHA POWER TRANSMISSION CORPORATION LIMITED

OFFICE OF THE G.M. (ELECT.), EHT (O&M) CIRCLE, JAJPUR ROAD
AT: QR. NO.: 4R1, TTS COLONY, P.O.: SOBRA, DIST: JAJPUR, PIN-755019, ODISHA.
E-mail:- ehtm.cle.jjp@optcl.co.in, CIN: - U40102OR2004SGC007553

TENDER SPECIFICATION NO. - JJPC-OT-02/2026-27

For

**SUPPLY OF CLAMP & CONNECTORS FOR VARIOUS GRIS SUB-STATIONS UNDER
EHT(O&M) DIVISION, JAJPUR ROAD**

COST OF TENDER DOCUMENT: Rs. 4000/- + GST @ 18 % (Rs.720/-) =Rs 4,720.00

EMD: Rs.10,000/- (Rupees Ten Thousand only)

COMMENCEMENT OF SALE OF TENDER DOCUMENTS: Dt. 02.05.2026.

LAST DATE OF SALE OF TENDER DOCUMENTS: Dt. 09.06.2026 up to 12:00 PM

LAST DATE OF RECEIPT OF TENDER DOCUMENTS: Dt. 09.06.2026 up to 01:00 PM

DATE OF OPENING OF TENDER DOCUMENTS: Dt. 09.06.2026 on or after 4:00PM

ISSUED TO

M/s

.....

MONEY RECEIPT NO. / DATE.....

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SECTION- I



ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଃ. ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

Regd.Office: Janapath Bhubaneswar-751022

OFFICE OF THE G.M. (ELECT.) E.H.T.(O&M) CIRCLE, JAJPUR ROAD.

AT-TTS COLONY, PO-SOBRA, JAJPUR ROAD, DIST: - JAJPUR PIN: - 755019 (ODISHA)

E-mail:- ehtm.cle.jjp@optcl.co.in, CIN: - U40102OR2004SGC007553.

TENDER CALL NOTICE NO.: JJPC-OT-02/2026-27

Sealed Tenders in prescribed proforma in duplicate are invited from reputed Suppliers/Manufacturers, Service Providers having GST registration certificate, PAN card, and experience certificate for the work as detailed below:

Sl No	Description of work	Estimated Cost	Cost of Tender documents. (Non-refundable)	EMD Amount
1	Supply of clamp & connectors for various Gris Sub-Stations under EHT(O&M) Division, Jajpur Road	Rs. 9,86,456/- (Including GST)	Rs. 4,720/- (Including GST)	Rs.10,000/-

The tender documents can be made available in the office of undersigned on written request and payment of required dues by Cash / Demand Draft **in favour of General Manager (Electrical), EHT (O&M) Circle, OPTCL, Jajpur Road** payable at **Jajpur Road**. Additional amount of Rs.100/- (Rupees one hundred) only may be paid for postal delivery of Tender documents. The undersigned shall not be held responsible for any postal delay.

The Tender bid must be accompanied with clear attested photo copies of valid (i) PAN card of the Tenderer (ii) GST registration certificate (iii) Experience Certificate

1. Cost of Tender documents (Non-refundable) : Rs.4,000/- + GST 18%=Rs.4,720/-
2. Sales of Tender documents from : Dt. **02.05.2026 to 19.05.2026** up to 12:00 PM.
3. Last date & time of receipt of Tender documents : Dt. **19.05.2026** up to 01:00 PM.
4. Date & time of opening of Tender documents : Dt. **19.05.2026** on or after 4.00PM

The Tender bids will be opened on Dt. **19.05.2026** on or after 4:00 PM in presence of Tenders or their representatives (one person only with original authorization letter). Incomplete Tender documents shall be rejected. Besides these, the undersigned reserves the right to accept or reject any or all tenders without assigning any reason thereof.

General Manager (Elect.)
EHT (O&M) Circle, Jajpur Road

CORRIGENDUM TO OPEN TENDER CALL NOTICE NO.: JJPC-OT-02/2026-27

This is to notify that the scheduled dates of this office Open Tender No. JJPC-OT-02/2026-27 for the “**Supply of clamp & connectors for various Gris Sub-Stations under EHT(O&M) Division, Jajpur Road**” are as below:

Last date & time of Sales of Tender documents up to	: Dt. 26.05.2026, 12:00 PM.
Last date & time of submission of Tender documents up to	: Dt. 26.05.2026, 01:00 PM.
Date & time of opening of Tender documents on or after	: Dt. 26.05.2026, 4.00PM

General Manager (Elect)
EHT (O&M) Circle, Jajpur Road

CORRIGENDUM TO OPEN TENDER CALL NOTICE NO.: JJPC-OT-02/2026-27

This is to notify that the scheduled dates of this office Open Tender No. JJPC-OT-02/2026-27 for the “**Supply of clamp & connectors for various Gris Sub-Stations under EHT(O&M) Division, Jajpur Road**” are as below:

Last date & time of Sales of Tender documents up to	: Dt. 09.06.2026, 12:00 PM.
Last date & time of submission of Tender documents up to	: Dt. 09.06.2026, 01:00 PM.
Date & time of opening of Tender documents on or after	: Dt. 09.06.2026, 4.00PM

General Manager (Elect)
EHT (O&M) Circle, Jajpur Road

SECTION - II

INSTRUCTION TO TENDERERS

1. The bidders must read in detail the "Instruction to Tenderers", "General terms and conditions" and all other sections carefully before filling the Tender documents. There are six sections in this Tender Specification.
2. **TENDER SHALL BE IN TWO PARTS:** The tenderers are required to submit the tenders in two parts viz. Part-I (Techno-Commercial Bid) and Part-II (Price Bid). Sealed tenders in duplicate duly super scribed as "TENDER AGAINST TENDER NOTICE NO. - JJPC-OT-02/2026-27" are invited from reputed manufacturers / authorized dealers having valid PAN Card, GST Registration Certificate and experience certificate for the work "Supply of Clamps & Connectors for various Grid Sub-Stations under EHT (O&M) Division, Jajpur Road" as per the enclosed technical specification.

The Part-I bid shall contain all techno-commercial documents including duly filled Tender documents, EMD, GST registration certificate, PAN card, Notarized No-Litigation affidavit, experience certificates along with performance certificate, test certificates, sample submission details and all other documents required as per the tender specification. The Part-II bid shall contain only the price bid in the prescribed format.

The bidders shall compulsorily submit specimen samples of **No. 10, 12, 13, 18, 26, 31, 39 and Item No. 44 of Section-V (Schedule of Quantity & Price Bid)** along with the Techno-Commercial Bid for evaluation by the Sample Scrutiny Committee constituted by this office. The samples shall be examined with respect to workmanship, material quality, dimensional conformity and compliance to technical specification. Only those bidders whose submitted samples are found acceptable by the committee shall be considered for opening of Price Bid. Under no circumstances shall the bidder be allowed to replace or change the submitted samples after opening of the tender.

The Tender documents shall be received in this office on or before **1:00 PM of Dt. 26.05.2026** and the **Techno-Commercial Bids (Part-I) shall be opened on Dt. 26.05.2026 on or after 4:00 PM** in presence of the tenderers or their authorized representatives, if any. The Price Bids (Part-II) of only those bidders who qualify Techno-Commercial Bids and sample submitted are found acceptable by Sample Scrutiny Committee, shall be opened on a later date which will be intimated separately.

Tenders received after **1:00 PM on Dt. 26.05.2026** shall not be accepted since the tender box shall be closed at 1:00 PM sharp on the due date. Incomplete tenders or tenders received without required documents shall be liable for rejection.

3. **ELIGIBILITY FOR SUBMISSION OF BIDS:-**

Bidders should not have any legal suit or pending litigation against OPTCL / GRIDCO Ltd / SLDC are only eligible for submission of Bids. Firms banned / blacklisted for business dealings by any organization are not eligible to participate in the tender. Participation in the tender by suppression of the above facts shall invite penal action, whenever detected.

The bidders must have in possession of following qualifications for participation in tender:-

3.1. GST Registration Certificate. (Mandatory)

3.2. Permanent Account Number (PAN) issued by Income Tax Department. (Mandatory)

3.3. The bidder participating in the tender shall have adequate experience in supply and satisfactory performance of similar type of equipment/materials as quoted in the tender. The bidder shall furnish details of supply experience and performance certificate of tendered equipment/materials executed during the last three (03) years indicating the names of the organizations to whom such materials were supplied. Out of the submitted performance certificates, at least one (01) certificate shall be from any State Government / Central Government Department or their Undertakings/PSUs indicating satisfactory performance of the supplied equipment/materials for a minimum period of 01 (one) year from the date of commissioning. The documents may be verified with original copy as required (Mandatory)

4. (A) Tender document can be purchased from the office of the undersigned in the working hours on written request from Dt. **02.05.2026 to Dt. 26.05.2026 up to 12:00PM**. Tender documents can also be issued by post on payment of Rs 100/- (Rupees One Hundred) only towards postal charges over & above the cost of tender document.

(B) Tender documents will be received from the tenderers who have only purchased the Tender documents from this office within due date. The money receipt towards purchase of Tender documents should be enclosed with the tender documents failing which the tenders will be rejected. The Tender may be submitted in duplicate with original signature in both copies in a sealed cover.

5. Tender shall be submitted in person or by Registered post with A/D. Any other means of delivery shall not be accepted. When delivered in person, the tender shall be dropped in tender box with acknowledgement of responsible officer of the office of the **General Manager (Electrical), EHT (O&M) Circle, Jajpur Road** who shall officially acknowledge the receipt of the same. Tender received after due time & date shall not be accepted & liable for rejection.

6. No telegraphic tenders/forwarding by FAX will be accepted.

7. This office will not be responsible for non-receipt/late receipt of the tender documents due to postal delay.

8. The tenders shall be furnished strictly as per the terms and conditions of the tender specification. Tender received in incomplete shape will be rejected.

9. The Authority may alter the quantum of work at the time of placing orders. Orders may also be split up among more than one tenderer depending upon necessity & urgency.

10. Only those, who have purchased the tender specification from this office by their name/Firm's name, can submit their tender. Tenders submitted by others will be rejected.

11. Bidders themselves or their authorized representatives shall be allowed to attend opening event of the tender. 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.

12. OPTCL reserves the right to reject the lowest or any other tenders without assigning any reason there of whatsoever.
13. Offers should be neatly typed without any overwriting and corrections. Each overwriting should be duly attested by tenderer.
14. In the event of discrepancy or arithmetical error in the bid, the decision of the purchaser shall be final and binding on the tenderer.
15. For evaluation, the price mentioned in words shall be taken, if there is any difference in figure and words in the price bid.
16. Conditional tender shall not be accepted and no discount other than the quoted price will be allowed as mentioned in the original offer.
17. The tenderers are advised to visit the site and make them acquainted with the site condition before submission of tender.
18. Tenderers are expected to be fully conversant with the meaning of all clauses of the specification before submitting their tender. In case of doubt regarding the meaning of any clause the tenderer may ask for clarification from the undersigned in writing. This however doesn't entitle the tenderer to ask for time beyond due date fixed for receipt of tender.
19. The Tender should be accompanied with attested Xerox copy of (i) PAN card of the Tenderer (ii) GST registration certificate of the firm (iii) Experience certificate and performance certificate regarding the similar supply executed earlier.

General Manager (Elect.)
EHT (O&M) Circle, Jajpur Road

SECTION -III
GENERAL TERMS & CONDITIONS OF CONTRACT

1. **SCOPE OF CONTRACT:** Detailed scope of supply is appended at Section-V. The scope of contract covers “**Supply of clamp & connectors for various Gris Sub-Stations under EHT(O&M) Division, Jajpur Road**” by following safety procedure, as per the instruction of the site engineer In-charge and technical specification of this tender.
2. **PRICE:** The bidders are advised to quote their rate as per the price schedule in Section-V **in separate sealed envelope** with break up prices including of all Taxes & Duties and shall remain valid up to the validity of tenders. The price should be firm and shall include the cost of all the materials, labour and transportation of all the materials to site including mobilization to complete the work in all respect and also shall cover all incidental expenses towards execution of supply including T&P etc.
3. **DELIVERY PERIOD:** Time being the essence of the contract; the equipment shall be supplied within **thirty (30) days** from the date of placing the Letter of Intent/Purchase order, as may be specified in LOI / Purchase order. The Purchaser, however, reserves the right to reschedule the delivery and change the destination if required.
4. **EXTENSION OF TIME:** If the work could not be completed due to reasons beyond the control of Contractor, he shall without delay give notice to the Authority in writing for an extension of time. The Authority on receipt of such notice may agree to extend the completion period as may be reasonable but without prejudice to other terms and conditions of the contract.
5. **VALIDITY:** The tenderers are requested to keep the validity of their offer for a period of 180 days from the date of opening of the tender.
6. **TERMS OF PAYMENT:** 100% taxable value of each consignment with 100% Goods and Services Tax in full as applicable will be paid on receipt of materials in good condition at desired site and verification thereof subject to i) verification by the verifying officer ii) deposit of security deposit thereof in form of DD/Bank Guarantee iii) furnishing approved copy of Guarantee Certificate and iv) submission of Test Certificates.
7. **PENALTY FOR DELAY IN COMPLETION OF WORK:** If the contractor fails to complete the work within the scheduled period as stipulated in the work order the authority shall recover penalty from the contractors bill, an amount @ 0.5%(half) of the uncompleted work for each calendar week of delay subject to maximum of 5% (Five percent) of the contract value. However, imposition of penalty clause is subject to force majeure condition.
8. **GUARNTEE PERIOD:** The materials supplied shall be guaranteed for a period of at least **18 [Eighteen]** months from the last date of delivery or **12 [Twelve]** months from the date of commissioning whichever is earlier. The above guarantee certificate shall be furnished in triplicate to the purchaser for his approval. Any defect noticed during this period should be rectified by the supplier free of cost to the purchaser provided such defects are due to faulty design, bad workmanship or bad materials used, within one month upon written notice from the purchaser.

9. **GST REGISTRATION & CLEARANCE CERTIFICATE, PAN CARD:** Clear attested Xerox copies of (i) PAN card of the Tenderer, (ii) GST registration & Clearance certificate of the firm, (iii) Experience certificate (As per Instruction to Tenderers Section-I clause No. 3.3 of Eligibility of submission of bid) regarding the similar supply executed earlier on the date of opening of tender should be submitted along with tenders without which tender will be rejected in Techno Commercial Evaluation. The Contractor may be requested to produce original PAN Card, GST clearance certificate and all other relevant documents for verification. Those who fail to produce the same and found not to be valid on the date of opening of tender, their tenders will be rejected. All documents of the tender should be signed by the authorized signatory.
10. **SUBMISSION OF PROOF REGARDING PAST EXPERIENCE:** The bidder participating in the tender shall have adequate experience in supply and satisfactory performance of similar type of equipment/materials as quoted in the tender. The bidder shall furnish details of supply experience and performance certificate of tendered equipment/materials executed during the last **three (03) years** indicating the names of the organizations to whom such materials were supplied. Out of the submitted performance certificates, at least one (01) certificate shall be from any State Government / Central Government Department or their Undertakings/PSUs indicating **satisfactory performance** of the supplied equipment/materials for a **minimum period of 01 (one) year from the date of commissioning**. The reputed manufacturers or authorized vendors with experience will be preferred while deciding the Bid for supply of clamps and connectors in conformity to relevant IS/IEC.
- The bidder shall submit supporting documents such as purchase orders, completion certificates, performance certificates and other relevant credentials in support of the above experience. The purchaser reserves the right to verify the submitted documents with original copies or from the concerned organizations as deemed necessary. Submission of the above experience and performance documents is mandatory, failing which the tender shall be liable for rejection.
11. **SECURITY DEPOSIT:** The tenderer whose offer qualifies for acceptance & awarded work order for the execution of the works shall have to deposit amount equal to 10% (Ten) percent of the contract value in shape of D.D drawn in favour of paying officer prior to execution of work, subject to fulfilment of the guarantee stated under clause-8 on receipt of application for this purpose. No interest shall be paid to the contractor towards security deposit so deposited by the contractor.
12. **EARNEST MONEY DEPOSIT:** Tenderer are required to submit earnest money deposit(EMD) for an amount of **Rs. 10,000/-** only towards participation in the tender and is to be submitted in shape of **Cash/Demand Draft** only drawn in favour of General Manager(Elect.), EHT (O&M) Circle, OPTCL, Jajpur Road, Payable at Jajpur Road. Offers without EMD are liable to be rejected.
13. **REJECTION OF WORK:** In the event of any of the materials supplied by the contractor are found to be substandard or otherwise not in conformity with the requirement of this contract specification, the OPTCL shall either reject the materials and / or works and a notice is to be issued to the contractor in this respect. The contractor on receipt of such notice shall rectify or replace the defective material and/or rectify the works free of cost. If the contractor fails to do so the OPTCL may,
- (A) As its option replace or rectify such defective materials and / or works and recover the extra cost so involved plus 15% from the contractor AND/OR

(B) Terminate the contract for balance work / supplies with enforcement of penalty as per contract. Defective materials will not be accepted under any condition & shall be rejected out rightly without compensation.

14. VERIFYING OFFICER: *S.D.O.(Elect.), EHT(O&M) Sub-Division, Jajpur Road.*

15. PAYING OFFICER: *G.M.(Elect.), EHT(O&M) Circle, Jajpur Road.*

16. OUT RIGHT REJECTION OF TENDER: Tenders shall be out rightly rejected if the followings are not complied with.

- a. The tenderer shall submit the bid in same original Tender documents purchased from office of undersigned on submission of the tender cost on or before the scheduled date and time.
- b. The Tender shall not be submitted telegraphically or by FAX.
- c. The prescribed EMD shall be submitted on or before the date and time of submission of bid.
- d. The Tender shall be kept valid for a minimum period of 180 days from the date of opening of tender.
- e. The Tender shall be submitted **in two parts** as specified.
- f. The Tenders shall be accompanied by attested copies of GST, PAN and Work Experience prior to the date of opening of tender As per Instruction to Tenderers Section-I Clause No. 3 of Eligibility of submission of bid.
- g. The schedule of prices should be filled up fully to indicate the break-up of the prices including taxes and duties. Incomplete submission of this schedule will make the tender liable for rejection.
- h. The Tenderer 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.
- i. The tenderer shall be submitted with the copy legibly written user's certificate to prove the satisfactory performance of the offered Equipments /materials for a minimum period of 1 (one) years from the date of commissioning /use as per the tender specification. User's certificate shall include the detailed address of the user with Equipment/Material, Name and type as per this specification, number of years of satisfactory use/operation & date of issue of this user's certificate with official seal written in English only & clearly visible must be furnished. At least one of the user's certificates shall be from state or Central Govt. or their Undertakings.
- j. The bidder should not have any pending litigation with OPTCL with regard to any project or related activity. The bidder should certify/declare the same in unequivocal terms by way of an affidavit duly sworn before a magistrate or a Notary. Bid furnished by the bidder shall not be eligible for consideration if it is not accompanied by the affidavit. Further the bid / LOA/ LOI shall be liable for outright rejection/ cancellation at any stage if any information contrary to the affidavit / declaration is detected.

17. RIGHT & AUTHORITY FOR REJECTION/ACCEPT: - The purchaser reserves the right either to reject or to accept any or all tenders if the situation so warrants in the interest of the purchaser. Orders may also be split up between different Tenderers on individual merits of the Tenderer. The purchaser has exclusive right to alter the quantities of materials/ equipment at the time of placing final purchase order. After placing of the order, the purchaser may defer the delivery of the materials. It may be clearly understood by the Tenderer that the purchaser need not assign any reason for any of the above action[s].

18. MINIMUM QUALIFICATION CRITERIA OF BIDDERS.

(The following supersedes any other criteria indicated elsewhere in the document)

All the prospective bidders are requested to note that their bids for tendered equipment can only be considered for evaluation if:

- a) The bidder should have supply experience of above rated or higher capacity similar equipment for a minimum period of **3 (three) years** as on the date of opening of the tender.
- b) The materials/ equipment supplied should have at least **1 (One)** year successful performance from the date of commissioning. At least one of the performance certificates shall be submitted from Govt. of India/State Govt.(s) or their undertakings.
- c) The Bidder should have conducted type tests on the tendered equipment's/materials in Government approved or any NABL accredited laboratory within **5 (five) years** from the date of opening of the tender.

19. VARIATION, ADDITION & OMISSIONS: OPTCL shall have the right to alter amend, omit or otherwise vary the quantum of modification work if required, in writing to the contractor. The contractor shall carry out such variation in accordance with the rates specified in contract so far as they may apply and where such rates are not available; those will be mutually agreed upon the OPTCL and the contractor.

20. 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.

21. JURISDICTION OF COURT: Suits if any arising out of this contract shall be filed by either party in any court of law to which the jurisdiction of Odisha High court extends.

**General Manager (Elect.)
EHT (O&M) Circle, Jajpur Road**

SECTION - IV

TECHNICAL SPECIFICATION

1. SCOPE

This specification covers design (wherever required), manufacture, testing at manufacturer's works, inspection, packing, supply and delivery of different types of clamps, connectors and associated hardware fittings suitable for use in EHT substations of OPTCL. The materials covered under this specification include bolted PG clamps, bimetallic straight through clamps, aluminium straight through clamps, aluminium pad clamps, isolator pad clamps, bimetallic pad clamps, T clamps suitable for different conductor combinations, PI clamps, brass alloy clamps, transformer bushing clamps, GI nuts & bolts, GI spring washers, GI packing washers and flexible copper bonds as indicated in the Schedule of Quantity.

The materials to be supplied shall be suitable for ACSR Panther, Zebra, Moose, Dog conductors and associated equipment connections in 33 kV, 132 kV and 220 kV systems as applicable. The fittings shall be suitable for outdoor installation in switchyards under varying atmospheric conditions and shall provide reliable mechanical strength, electrical conductivity and corrosion resistance during service.

The hardware and connectors to be supplied shall conform to approved drawings of OPTCL wherever applicable. Any deviation in design, dimensions or materials shall be made only with prior written approval of the General Manager (Electrical), EHT (O&M) Circle. The successful bidder shall submit Guaranteed Technical Particulars (GTP), dimensional drawings and technical details for approval of OPTCL wherever required and manufacturing shall be commenced only after such approval.

The materials and equipment offered shall be complete with all bolts, nuts, washers, spring washers, packing washers, clamping plates, bimetallic strips and all other accessories necessary for proper installation, efficient performance and satisfactory maintenance. Any component not specifically mentioned but required for completeness and satisfactory operation shall be deemed to be included within the scope of supply without any extra cost to OPTCL.

2. APPLICABLE STANDARDS

The clamps, connectors and hardware fittings covered under this specification shall comply with the latest editions and amendments of relevant Indian Standards and other authoritative standards. In particular, the materials shall conform to IS: 5561 relating to power connectors, IS: 617 relating to aluminium and aluminium alloys, IS: 2629 relating to hot dip galvanizing, IS: 2633 relating to testing of zinc coating, IS: 209 relating to zinc specification, IS: 2121, IS: 2486 and BS: 916 relating to hexagonal bolts and nuts or equivalent internationally accepted standards ensuring equal or superior performance.

Materials conforming to any other authoritative standards ensuring equal or better performance shall also be acceptable provided full particulars and deviations are clearly brought out in the bid.

3. MATERIALS AND WORKMANSHIP

All clamps, connectors and hardware fittings shall be manufactured from high quality aluminium alloy, brass alloy, copper, forged steel or malleable iron depending upon the intended application. The materials offered shall be of first class quality, workmanship and approved design. All castings shall be free from blow holes, cracks, flaws, porosity or other defects and shall be true to shape and dimensions. All machined surfaces shall be smooth and free from burrs and sharp edges.

The aluminium used in current carrying parts shall have purity not less than 99.5 percent and shall conform to IS: 617 or equivalent approved standard. The clamps and connectors shall have high current carrying capacity, low contact resistance, high corrosion resistance and shall be free from corona formation under service conditions.

All steel and ferrous components shall be hot dip galvanized as per IS: 2629. The zinc coating shall be smooth, uniform and free from roughness, peeling or blisters. The uniformity and thickness of galvanizing shall be tested in accordance with IS: 2633. Bolts, nuts, spring washers and packing washers shall be properly threaded, galvanized and fully interchangeable.

4. ELECTRICAL REQUIREMENTS

The clamps and connectors shall be designed for continuous current carrying capacity corresponding to the conductor and equipment ratings for which they are intended. The electrical contact surfaces shall provide firm and uniform contact pressure to minimize contact resistance and heating. The temperature rise of clamps and connectors under rated current conditions shall not exceed 45°C above ambient temperature of 50°C.

The connectors shall be designed in such a manner that there shall be no local corona, audible noise or visible discharge during operation. Bimetallic connectors used between aluminium conductors and copper equipment terminals shall be designed to avoid galvanic corrosion and deterioration of contact surfaces.

5. MECHANICAL REQUIREMENTS

All clamps and connectors shall have adequate mechanical strength to withstand conductor tension, vibration, wind load, short circuit forces and other stresses encountered during service conditions. The design shall ensure proper load distribution without causing damage to conductor strands or equipment terminals. The clamps shall maintain firm grip throughout service life without loosening or slipping.

The straight through clamps, PG clamps, T clamps, PI clamps and pad clamps shall provide reliable mechanical and electrical connections and shall be suitable for repeated tightening and maintenance operations.

6. BIMETALLIC CONNECTORS

Where aluminium conductor is required to be connected with copper pad, copper stud or transformer bushing terminal, suitable bimetallic arrangement shall be provided. The bimetallic portion shall consist of copper cladding of adequate thickness on aluminium surface or approved aluminium-copper bonded strip to ensure proper current transfer and prevention of galvanic action.

The bonding between aluminium and copper shall be permanent and capable of withstanding thermal and mechanical stresses during operation. The contact surfaces shall be smooth and properly machined to ensure uniform contact pressure.

7. TESTS, TEST CERTIFICATES AND PERFORMANCE REPORTS

All clamps, connectors and hardware fittings covered under this specification shall be tested in accordance with relevant Indian Standards such as IS: 2121, IS: 2486, IS: 9708 and BS: 916 or equivalent standards. **The bidder shall submit valid Type Test Certificates, Routine Test Certificates and performance reports along with the offer.** The certificates shall be from recognized laboratories and shall establish satisfactory performance of similar materials supplied earlier.

The Employer reserves the right to conduct all or any of the specified tests as Acceptance Tests in accordance with relevant Indian Standard Specifications in presence of Employer's representatives. For clamps, connectors and hardware fittings, the acceptance tests shall include the following: (1) Visual examination, (2) Dimensional verification, (3) Failing load test, (4) Slip strength test wherever applicable, (5) Electrical resistance test, and (6) Galvanizing test.

8. SUBMISSION OF SAMPLE

The bids shall be accompanied with **specimen samples of Item No. 10, 12, 13, 18, 26, 31, 39 and Item No. 44 of Section-V** for scrutiny by the Sample Scrutiny Committee constituted by OPTCL. The approved samples shall be treated as reference standards and **The materials supplied against the purchase order shall strictly conform to the approved samples submitted during tender evaluation.**

**General Manager (Elect.)
EHT (O&M) Circle, Jajpur Road**

SECTION - V

SCHEDULE OF QUANTITY & PRICE BID

(Photo Copy of this Schedule duly filled and attested to be submitted in Separate Sealed Envelope)

Name of Work: Supply of clamp & connectors for various Gris Sub-Stations under EHT(O&M)
Division, Jajpur Road

Sl. No.	Description of Item	Unit	Quantity	Unit Rate (₹)	Total Amount (₹)
1	2 BOLTED PG CLAMP FOR PANTHER TO PANTHER	NOS.	24		
2	3 BOLTED PG CLAMP FOR PANTHER TO PANTHER	NOS.	12		
3	2 BOLTED PG CLAMP FOR ZEBRA TO ZEBRA	NOS.	65		
4	3 BOLTED PG CLAMP FOR ZEBRA TO ZEBRA	NOS.	5		
5	2 BOLTED PG CLAMP FOR DOG TO DOG	NOS.	10		
6	2 BOLTED PG CLAMP FOR ZEBRA TO PANTHER	NOS.	10		
7	3 BOLTED PG CLAMP FOR MOOSE TO MOOSE	NOS.	10		
8	3 BOLTED PG CLAMP FOR MOOSE TO ZEBRA	NOS.	5		
9	4 BOLTED PG CLAMP FOR ZEBRA TO ZEBRA	NOS.	20		
10	3 BOLTED PG CLAMP FOR PANTHER TO ZEBRA	NOS.	20		
11	BIMETALLIC STRAIGHT THROUGH CLAMP 12 BOLTED FOR ZEBRA FOR CT	NOS.	40		
12	BIMETALLIC STRAIGHT THROUGH CLAMP 12 BOLTED FOR MOOSE FOR CT	NOS.	15		
13	STRAIGHT THROUGH CLAMP 12 BOLTED FOR ZEBRA TO PANTHER	NOS.	10		
14	STARIGHT-THROUGH CLAMP ALUMINIUM(25MM) BIMETALLIC- ZEBRA FOR 33KV CT (As per sample)	NOS.	10		
15	STARIGHT-THROUGH CLAMP ALUMINIUM(30MM) BIMETALLIC- ZEBRA FOR 132KV / 33KV CT , PT & CVT (As per sample)	NOS.	20		
16	STARIGHT-THROUGH CLAMP ALUMINIUM(40MM) BIMETALLIC- ZEBRA FOR 220KV CT, CVT & CENTER BREAK ISOLATOR (As per sample)	NOS.	10		
17	STARIGHT-THROUGH CLAMP ALUMINIUM(60MM) BIMETALLIC- ZEBRA FOR 220KV SIDE TRANSFORMER BUSHING (As per sample)	NOS.	10		
18	ALUMINIUM PAD CLAMP FOR ZEBRA OF PAD THICKNESS MINIMUM 12MM	NOS.	20		
19	ALUMINIUM PAD CLAMP FOR PANTHER OF PAD THICKNESS MINIMUM 12MM	NOS.	20		
20	ISOLATOR ZEBRA PAD CLAMP FOR 132KV ISOLATORS	NOS.	5		
21	ISOLATOR BIMETALLIC PAD CLAMP (As per sample for 33KV Isolators)	NOS.	10		
22	ALUMINIUM T CLAMP 12 BOLTED FOR PANTHER DROP BIMETALLIC ZEBRA RUN FOR 33KV CT STUD	NOS.	25		
23	T CLAMP 12 BOLTED FOR PANTHER RUN PANTHER DROP	NOS.	14		

24	T CLAMP 12 BOLTED FOR ZEBRA RUN ZEBRA DROP	NOS.	60		
25	T CLAMP 12 BOLTED FOR MOOSE RUN MOOSE DROP	NOS.	10		
26	T CLAMP 12 BOLTED FOR DOUBLE MOOSE RUN SINGLE MOOSE DROP	NOS.	10		
27	T CLAMP 12 BOLTED FOR ZEBRA RUN MOOSE DROP	NOS.	5		
28	T CLAMP 12 BOLTED FOR ZEBRA RUN DOG DROP	NOS.	10		
29	T CLAMP 12 BOLTED FOR PANTHER RUN ZEBRA DROP	NOS.	20		
30	T CLAMP 12 BOLTED FOR DOG RUN ZEBRA DROP	NOS.	10		
31	33KV PI CLAMP FOR ZEBRA	NOS.	10		
32	4 BOLTED BRASS ALLOY CLAMP (30 MM) FOR 33KV SIDE TRANSFORMER BUSHING (As per sample)	NOS.	10		
33	L PAD CLAMP 4 BOLTED ALLUMINIUM FOR PAD TO ZEBRA	NOS.	7		
34	BIMETALLIC T CLAMP ALLUMINIUM FOR 40 MM BIMETALLIC RUN -ZEBRA DROP(As per Sample)	NOS.	5		
35	BRASS ALLOY CLAMP SUITABLE FOR 33KV SIDE SCREW THREDED TRANSFORMER BUSHING (As per sample)	NOS.	6		
36	BIMETALLIC T CLAMP ALLUMINIUM SUITABLE FOR 132KV SIDE TRANSFORMER BUSHING(As per sample)	NOS.	6		
37	BIMETALLIC T CLAMP ALLUMINIUM SUITABLE FOR 220KV SIDE TRANSFORMER BUSHING(As per sample)	NOS.	6		
38	HOT DIPPED GI NUT & BOLT (10MM X 65MM) Hexagonal head bolts and nuts conforming to IS 1363/IS 1367, property class 5.6 or higher, hot-dip galvanized.	KG.	50		
39	HOT DIPPED GI NUT & BOLT (12MM X 65MM) Hexagonal head bolts and nuts conforming to IS 1363/IS 1367, property class 5.6 or higher, hot-dip galvanized.	KG.	50		
40	GI SPRING WASHER (10MM) hot-dip galvanized, conforming to IS 3063.	KG.	25		
41	GI PACKING WASHER (10MM) hot-dip galvanized, conforming to IS 2016.	KG.	25		
42	GI SPRING WASHER (12MM) hot-dip galvanized, conforming to IS 3063.	KG.	25		
43	GI PACKING WASHER (12MM) hot-dip galvanized, conforming to IS 2016.	KG.	25		
44	FLEXIBLE COPPER BOND (10mm Dia, 500mm Length)	NOS.	200		
Total					
GST@ _____%					
Grand Total (Including GST)					

NB:

1. All clamps and connectors shall be supplied in complete shape with **hot-dip galvanized nuts, bolts**, plain washers and spring washers. The bolts and nuts shall be of **Property Class 5.6** or higher and shall conform to the relevant Indian Standards.
2. **Pad Thickness** of all PAD Clamps should be **12MM** or Higher.
3. **Bore Dia** of all Clamps should be **12MM** or Higher.

Signature of Bidder with Date & Seal

ANNEXURE -I

LITIGATION HISTORY

Calendar Year.	Award for or against bidder	Name of client, cause of litigation and matter in dispute	Disputed amount (current value in Rs.)

Place: -
Date

Signature of Tenderer:
Name, Designation, Seal

THE BIDDERS ARE REQUIRED TO FURNISH THE FOLLOWING DETAILS AS PER THE FORMAT GIVEN BELOW WHICH IS A MANDATORY REQUIREMENT FOR EVALUATION OF BIDS

SL NO	DETAILS	TO BE FILLED BY THE BIDDER
1	BIDDER'S NAME	
2	BIDDER'S SITE NAME (NAME OF THE PLACE)	
3	ADDRESS	
4	CITY	
5	STATE	
6	COUNTRY	
7	PIN CODE	
8	PHONE NUMBER	
9	GST REGISTRATION NUMBER	
10	PAN NUMBER	
11	TAN NUMBER	
12	CONTACT PERSON'S NAME	
13	CONTACT PERSON'S E-MAIL ID	
14	CONTACT PERSON'S PHONE NO.AND MOBILE NO.	

Signature of Bidder with Date & Seal