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ODISHA POWER TRANSMISSION CORPORATION LTD.
OFFICE OF THE Dy. GENERAL MANAGER : ELECT.
EHT (O&M) DIVISION: CHAINPAL
AT/PO: CHAINPAL COLONY, PIN-759104, DIST: ANGUL(ODISHA)
CIN: U40102OR2004SGC007553
Email: ehm.div.chp@optcl.co.in

TENDER SPECIFICATION
NO.01/2020-21

FOR

SUPPLY OF 4 BOLTED PG CLAMP FOR ACSR ZEBRA TO ZEBRA
CONDUCTOR TO BE USED AT TL S/S S/D RENGALI UNDER EHT (O&M)
DIVISION CHAINPAL.

SALE OF TENDER SPECIFICATION: DT. 08-06-2020
LAST DATE SALE OF TENDER SPECIFICATION: DT. 24-06-2020
LAST DATE OF SUBMISSION OF TENDER: DT. 25-06-2020(up to 01:00PM)
DATE OF OPENING OF TENDER: DT. 25-06-2020(at 03:30PM)

COST OF TENDER PAPER: RS 4000.00+12%GST (Rs. 4480.00)

ISSUED TO,

M/S.....

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SECTION-I



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ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of ODISHA Under Taking)

Regd. Office: Janpath, Bhubaneswar-751022, Odisha

OFFICE OF THE Dy. GENERAL MANAGER(ELECT.)

EHT (O&M) DIVISION, CHAINPAL, AT/PO: CHAINPAL COLONY,

DIST: ANGUL (ODISHA), Pin-759104, Email-ehm.div.chp@optcl.co.in, CIN:U40102OR2004SGC007553

TENDER CALL NOTICE NO. 01/ 2020-21

For and On behalf of OPTCL, The Dy. General Manager (Elect.), E.H.T. (O&M) Division, Chainpal invites sealed Tenders from intending Reputed Supplier/Manufacturers/ Authorized Dealers for Supply of Four bolted PG Clamp for ACSR Zebra to Zebra Conductor to be used at TL S/S S/D Rengali under EHT (O&M) Division Chainpal as follows.

Sl. no	Description	Qty in nos.	Place of Delivery	Cost of Tender Paper	EMD Amount
1	4 Bolted PG Clamp (For ACSR Zebra to Zebra Conductor)	1245	TL S/S S/D Rengali	Rs.4000/- + GST 12%	10,000.00 (It's an fixed amount, not related to Estimate)

The tender specification can be obtained from the office of The DGM EHT (O&M) Division, CHAINPAL on payment of **Rs. 4000/-(Four Thousand only) +GST @ 12%(Non Refundable)** in shape of **Cash/ Bank Draft in favor of DGM, EHT (O&M) Division, CHAINPAL payable at "ANDHRA Bank", Chainpal Branch** on any working day **from Dt.08.06.2020 to Dt.24.06.2020**. In case the D.D made 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 Nonrefundable. 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 of dated 25.06.2020 & will be opened at 03.30** Hours of 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 should be deposited in shape of Demand Draft in favour of E.H.T. (O&M) Division, Chainpal & payable at "ANDHRA Bank", Chainpal 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. Super scribing any other information on the body of the envelop, 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.**

Sd/-

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

SECTION-II

INSTRUCTION TO BIDDERS

1. Submission of Bids: -

- The bidders shall seal the original bid **in an inner and an outer envelope**, duly marking the envelopes as “original”.
- The inner and outer envelopes shall :
 - a) be addressed to OPTCL at the following shall :

OFFICE OF THE DEPUTY GENERAL MANAGER: ELECT.

EHT (O&M) DIVISION: OPTCL, CHAINPAL, AT/PO: CHAINPAL COLONY,

DIST: ANGUL (ODISHA), Pin-759104,

b) Bear the name of the work, Tender reference number, and the date of opening as mentioned in tender notice / cover page.

c) Bidder should not write their name or any other information on the body of the sealed envelope. Super scribing any other information on the body of the envelop, 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.

- The inner envelop shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared “late” or is otherwise unacceptable.
- If the outer envelope is not sealed and marked as required, OPTCL will assume no responsibility for the bid’s misplacement or premature opening. A bid opened prematurely for this cause will be rejected by this office and returned to the bidder.
- Bids in any other form and incomplete bids shall be summarily ignored.
- Bids may be either submitted in person or may be sent by registered post with acknowledgement due, so as to reach within stipulated date and time as mentioned in tender notice / cover page.
- Bids must be received by the OPTCL at the address specified not later than the time and date specified for receipt of the bids as indicated in the Tender Notice, or as extended by OPTCL.
- The OPTCL may, at its discretion, extend this deadline for the submission of bids above, in which case all rights and obligations of the OPTCL and bidders previously subject to the deadline will thereafter be subject to the new deadline as extended.
- The OPTCL will not be liable for any postal delay in delivering the tender when the tenders are sent by post.

2. The contract shall be valid only for a period of 06 (Six) months from the date of opening of tender. The department reserves the right also to terminate the contract at any time during the contract period without assigning the reasons thereof.

3. The authority reserves the right to award the contract among any responsive bidders against this tender. Besides this, the authority reserves the right to accept or reject any or all tenders without assigning any reason thereof.

4. The bidder has to submit all the documents as mentioned in Clause No.11 of SECTION-III. Also the documents must valid on the date of opening of tender 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.11 of SECTION-III 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 participate 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.

5. In case of any dispute arising either in supply of material or any clause of agreement/ work order, the decision of the Unit Head, will be final and binding on the Bidder.
6. 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 (Committee or Unit Head) accepting the tender will be final and binding on the bidders. Total of item and grand total of whole tender be clearly written. Correction in the tender, if unavoidable, 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.
7. The bidders 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.
8. 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.
9. Request from the bidder in respect of additions alternations, modifications, corrections of either terms or conditions or rates after opening of the tender will not be considered.
- 10. In the event, the successful tenderer fails to carry out the works/partly carryout the works as per the technical specification; the EMD so deposited shall be forfeited. Any deviation from the terms and conditions of the contract the EMD so deposited shall be forfeited without any notice. The EMD, not claimed for refund within a period of one year from the date of issue of Purchase Order will be forfeited.**
11. 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. * NSIC/MSME certificate holders may participate with discount of Paper Cost. But they have to pay EMD @50% as mentioned above. The documents proof regarding NSIC/MSME should be submitted along with the bids, else bid will be rejected.**
13. Bidders should not have any legal suit 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

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

SECTION-III
GENERAL TERMS & CONDITIONS

1. SCOPE OF CONTRACT:-

The Scope of contract shall be to deliver the materials at destination in accordance with the Technical specification, Dimensional drawing & as per sample.

2. MANNER OF EXECUTION:- All materials should be supplied under the contract shall confirm to the latest publication of relevant IS specification.

3. 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, unless the tender will be rejected.

4. EARNEST MONEY DEPOSIT:- The tender should be accompanied with Rs. 10,000/- towards Earnest Money Deposit (EMD) in shape of **Demand Draft** in favour of EHT (O&M) Division, CHAINPAL payable at Andhra Bank, Chainpal otherwise tender will be out rightly rejected. In case the Bank Draft made 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 Nonrefundable & 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 the Security money deposited as per the clause No.(6) in Section (III). In case of successful bidder fails to execute the order satisfying all terms & conditions or also fails to carry out the work fully/ partly carry out the work as per technical specification, the Earnest Money Deposit will be forfeited. No interest will be paid on the EMD to any participator. No other mode than above for EMD Deposit will be accepted & bidder will be out rightly rejected. No adjustment towards EMD shall be permitted against outstanding amount, if any, remained with OPTCL.

5. PRICE:- The bidders are advised to quote their rate as per the price schedule with break up prices and shall remain upto the validity of tenders. The price quoted by the tenderers should be firm, F.O.R destination inclusive freight, Insurance, Packing and forwarding charges etc.

6. SECURITY DEPOSIT:- The bidders whose offer qualifies for acceptance will be awarded Purchase order/Work order and the bidder shall have to deposit **security cum Performance Guarantee amount equal to 10% (ten percent) of contract value in shape of bank draft drawn in favour of the Dy. General Manager, EHT(O&M) Division, Chainpal within 07 days from the date of the issue of the Purchase Order.** The security deposit shall be released after two months of the Completion of guarantee period as stated under clause-10 of SECTION-III on receipt of application for this purpose. No Interest shall be paid to the bidder towards the security deposit so deposited by the Bidder. In case of Non fulfillment of contractual obligation by the supplier, the same so deposited shall be forfeited.

OR

A Composite Bank Guarantee as per the Proforma enclosed at Annexure-II of the specification for 10% [ten percent] of the total ordered value, shall be furnished from any nationalized/scheduled bank having a place of business in Angul/Talcher, to the office of Deputy General Manager EHT (O&M) Division, Chainpal within 15 days from the date of issue of the purchase order,. The BG shall be executed on non judicial stamp paper worth of Rs.51.00 [Rupees Fifty One] only or as per the prevalent rules, valid for a period of 2 months from the last date of guarantee period for scrutiny and acceptance, failing which the Purchase order will be liable for cancellation without any further written notices. The BG should be accompanied by a confirmation letter from the concerned bank and should have provision for encashment at Angul/Talcher, before the Bank Guarantee is accepted and all concerned intimated. The B.G should be revalidated as and when intimated to you to cover the entire guarantee period.

- a) No interest is payable on any kind of Bank Guarantee.
- b) In case of non-fulfillment of contractual obligation, as required in the detailed purchase order/Specification, the composite Bank guarantee shall be forfeited.

Security Deposit not claimed for refund within a period of three years from the date of issue of Purchase order, will be forfeited.

7. Delivery:- The materials in full Quantity shall be delivered within 60 days of receipt of the Purchase Order. However, early delivery shall be preferred. The materials to be delivered at **TL S/S S/D Rengali**. If the delivery will not be made within the stipulated period, then the penalty should be imposed as per clause No.08 of SECTION-III. However If the delivery could not be completed within scheduled date due to any valid reason, then the delivery period may be extended on written request by the Bidder.

8. PENALTY:- Penalty @ ½%(half per cent) per week up to a maximum of 5% of the total value of the work order/ Purchase Order will be imposed and recovered from dues admissible if the work will not completed within the specified date in SECTION –III, clause-7. However imposition of penalty clause is subject to force majeure condition.

9. TERMS OF PAYMENT:- 100 % (one hundred percent) payment along with full taxes and duties (if any) shall be made on receipt of Materials at site in Good condition in all respect and verification reports thereof by respective consignee and Paying Officer and on receipt of funds from Head Office in this regard and against deposit of 10% security cum performance guarantee & on prior approval of guarantee certificate & Test certificate by the Purchaser. Income tax as applicable shall be deducted from the source. After complete execution of process , the bidder shall produce the printed bills to the respective consignee/Paying Officer for effecting payment.

10. GUARANTEE PERIOD:- 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 atleast 18(Eighteen) months from the last date of delivery or 12(twelve) months from the date of use, whichever is earlier. 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.

11. DOCUMENTS:- The following Xerox copy should be submitted with the tender paper & the same will be verified with original documents at the time of opening of tender.

i) GST Registration Certificate

ii) Valid PAN

iii) Authorized Dealership Certificate/Manufacturing Certificate

iv) Test Certificate(As applicable)

12. Submission of Sample:-

The bidders have to submit their sample in complete shape along with copies of type test certificate from Govt. approved laboratory in the office of the undersigned while submitting their Tender Paper, failing which the Tender shall be rejected. The Sample of all bids shall be scrutinized by a Sample Scrutiny Committee, to be constituted by the purchaser. If required, the bidder or their authorized representatives may be informed to remain present during scrutiny of sample. The date of sample scrutiny will be intimated to the bidders in due course. The bidders, whose samples are approved by the committee, shall be considered for price comparison. In no case, the bidder shall be allowed for change of sample.

13. Past Experience of supply:- Past experience of execution of Purchase Order relating to supply of similar type of material need to be furnished by the bidders.

14. Test Certificate:- Necessary Manufacturer Certificate / Test Certificate in respect of materials cover under the purchase order shall be submitted before the dispatch of materials for approval. Test certificates in respect of material should confirm to relevant IS Specification. The test certificate from ISI approved testing laboratory will also be accepted as and when applicable. The type test reports shall not be older than five years & shall be valid up to the expire of the validity of the offer.

- 15. 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.
- 16. 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.
- 17. 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.
- 18. 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 awaiting for settlement of the claim of bidders with Railway/ Lorry/ Insurance Company.
- 19. ADDITION & ALTERATION:** -The authority reserves the right to add or to reduce the quantum of materials without assigning any reasons thereof.
- 20. 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.
- 21. 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 at Talcher 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 in State of Odisha.
- 22. 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.
- 23. 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, notwithstanding any exemptions mentioned therein.
- 24. 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 areas at the time of placing final Work order. It may be clearly understood by the Tenderer that the owner need not, assign any reason for the above action (s).

25. 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.

26. 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.

27. 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.

28. 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.
- i) 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.
- ii) Tender shall be kept valid for a period of 180 days from the date of opening of Tender.
- iii) The bidder having any pending legal suit against the organization.
- iv) For any warning for unsatisfactory works taken up or termination of agreement for similar works by OPTCL.
- v) 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.

29. 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.

30. Consignee: SDO, TL S/S S/D Rengali.

31. Paying Officer: DGM(Elect.), EHT(O&M) Division, Chainpal.

32. Jurisdiction Of Court: In case of any dispute arising between the ordering authority and the firm/supplier, either party can take shelter in the court of law at Talcher in the State of Odisha.

SECTION-IV
Annexure-I
SPECIFICATION DETAILS FOR 4 BOLTED PG CLAMP(ZEBRA TO ZEBRA)

1. Scope:-This specification covers the design, manufacture, assembly, inspection, testing, packing and delivery of PG Clamps suitable for ACSR Zebra Conductor (54/7/3.18). The material offered shall be complete with all components that are necessary for efficient operation. Such parts shall be deemed to be within scope of the supply whether specifically mentioned or not. PG Clamps shall conform in all respect to the highest standard of engineering, design, and workmanship and shall be capable of performing trouble free continuous operation.

2. Climatic Conditions:-

The overall climate is moderate hot, humid, tropical, highly polluted and conducive to rust and fungus growth. The clamps shall be given tropical and fungicidal treatment and shall be capable of satisfactory operation under the hot and humid climatic conditions that would prevail at sites. The climatic conditions are prone to wide range of variation in ambient conditions. The materials offered shall be suitable for installation at any of the 220 KV Lines in Odisha.

3. 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.

4. The Clamps shall be designed and manufactured in such a way so as to have minimum contact resistance.

5. The clamps offered shall be inherently resistive to atmospheric corrosion or be suitable to protect against corrosion both during storage as well as in service.

6. The clamps shall not cause any damage to the conductor in any way.

7. No part of a clamp shall be less than 15 mm thick for fittings with ACSR Zebra conductor.

8. All ferrous parts shall be hot dip galvanized conforming to IS:2633.

9. Clamps shall be designed to be corona free in accordance with the requirements stipulated in IS: 5561

10. The required bolts and nuts for the clamps must be hot dip galvanized/stainless steel.

11. Material:-

The clamps shall be made of materials listed below:-

i) For connecting ACSR Zebra conductor aluminum alloy casting conforming to designation A6 of IS: 617.

ii) Bolts, nuts, plain washers and spring washers for the item: Hot dip galvanized mild steel/stainless steel.

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

ACSR Zebra Conductor- 2000 Amp

The temperature rise when carrying full load current shall not exceed 45°C above site ambient temperature of 40°C.

13. Designs:-

Responsibility of satisfactory design of the clamps 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.

14. Test:-

The clamps shall be subjected to following Type, Acceptance and Routine Tests.

15. Clamps & Connectors IS:5561 –(1970):-

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:

16. Type Test Certificates:-

- (a) True copies of all the Type Test Certificates of Govt. recognized Laboratory in respect of the offered item only shall be furnished with the offer.
- (b) Offers without samples and type tests reports will be out rightly rejected.

17. General:-

- a). All ferrous parts 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 IS2633-1986.
- b). The zinc coating shall be perfectly adherent of uniform thickness, smooth, reasonably bright, continuous and free from imperfections such as flux, ash, rust stains, bulky white deposits and blisters. The zinc used for galvanizing shall be of grade Zn 99.95 as per IS 209-1979.
- c). All current carrying parts shall be so designed and manufactured that contact resistance is reduced to minimum.

Mechanical design:-

The Aluminum alloy should be based on Aluminum – Magnesium – Silicon system. The physical properties of the Aluminum Alloy is as follows:

- (1) Melting temperature = 620oC.
- (2) Density = 2.7 Kg / dm³.
- (3) Co-efficient of linear expansion per oC = 23 X 10⁻⁶
- (4) Modules of elasticity in Kg / mm² = 5200 to 5600 .
- (5) Surface hardness = 80 BHN.

TECHNICAL PARTICULARS.

- (1) The clamps with accessories should be as per drawing attached in this Tender Paper.
- (2) The clamps should be as per IS: 5561, 1970.
- (3) The clamps should be suitable for ACSR Zebra to Zebra Conductor.
- (4) All sharp corners should be rounded off.
- (5) All ferrous parts are to be electro galvanized.
- (6) Contact surface are to be machine finished.
- (7) Short time current rating should be 40 KA for 1 sec.
- (8) Max. Temperature rise should be 35oC over ambient temperature 50oC at rated current of ACSR Zebra Conductor.
- (9) All nuts & bolts should be electro galvanized passivated with Zinc Chromate Solution.

Annexure-II
PRICE SCHEDULE
FOR PROCUREMENT OF 4 BOLTED PG CLAMP FOR ACSR ZEBRA to ZEBRA CONDUCTOR TO BE
USED AT TL S/S S/D , RENGALI UNDER EHT(O&M) DIVISION,CHAINPAL

Sl. No.	Description of Item	Make	Unit	Qty.	Unit Rate in Rs.	Amount in Rs.
1.	4 bolted PG clamp for ACSR Zebra to Zebra Conductor		No.	1245		
2	Total					
3	GST@ ----- % on Sl. No.2					
4	Grand Total(Sl. No. 2 + sl. No.3)					

(Rupees)only

(FULL SIGNATURE OF THE CONTRACTOR WITH SEAL)

SECTION-V
ANNEXURE-I
DECLARATION FORM
(TO BE SUBMITTED WITH THE TENDER PAPER)

To

**The Dy.General Manager (EI),
E.H.T. (O&M) Division
OPTCL, Chainpal.**

Sub: Tender Notice No.

Sir,

Having examined the above tender paper we hereby offer to Supply 4 bolted PG Clamp for ACSR Zebra to Zebra conductor 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 EMD of Rs.10,000.00 in shape of Bank Draft in favour of E.H.T. (O&M) Division, OPTCL, Chainpal payable at Andhra Bank, Chainpal.

Bank Draft No. Dt. .

Yours faithfully,

Encl: Sealed Tender.

Signature of Bidder
(with Seal)

-

SECTION-V**ANNEXURE-II****DETAILED DATA SHEET TO BE FURNISHED BY THE TENDERES**

1(a)	Cost of Tender Document: OPTCL Money Receipt No. & Date / D.D No & Date.	
1(b)	Earnest money furnished. Bank Guarantee No. & Date / D.D No. & Date.	
2	Manufacturer's supply experience including user's certificate furnished or not.	Yes/No
3	Delivery :- Whether agreeable to OPTCL's desired delivery period as indicated at in the specification	Yes/No
4	Guarantee:- Whether agreeable to OPTCL's terms.	Yes/No
5	Whether agreeable to furnish Composite B.G. in case his tender be successful	Yes/No
6.	Terms of payment:- Whether agreeable to OPTCL's terms or not	Yes/No.
7.	Nature of price:- FIRM	Yes/No
8.	Penalty:- Whether agreeable to OPTCL's terms or not	Yes/No
9.	Validity:- Whether agreeable to OPTCL's terms or not	Yes/No
10.	Whether recent type test certificates from any Government approved laboratory are furnished or not.	Yes/No
11.	Whether materials are ISI/ISO marked.	Yes/No
12.	Furnished Manufacturer's name and its trademark.	Yes/No
13.	Whether registered under GST	Yes/No
14.	Whether declaration form duly filled in furnished or not.	Yes/No.

Place: -

Date: -

Signature of the Bidder
with seal of the company

SECTION-V
ANNEXURE III

PROFORMA FOR COMPOSITE BANK GUARANTEE FOR SECURITY DEPOSIT PAYMENT AND PERFORMANCE

This Guarantee Bond is executed this _____ day of _____ 2020
by us the _____ Bank at _____

P.O. _____ P.S. _____

District _____ State _____

1. WHEREAS the ODISHA POWER TRANSMISSION CORPORATION LTD., a body corporate constituted under the Electricity Act, 2003 [hereinafter called "the OPTCL" which shall include its successors and assigns has placed orders No. _____ Date _____] [hereinafter called "The Agreement"] on M/s. _____

[Hereinafter called "The Contractor"] which shall include its successors & assigns for execution of the work.

AND WHERE AS the bidder has agreed to execute the work for OPTCL in terms of the said agreement AND

WHEREAS the OPTCL has agreed [1] to exempt the bidder from making payment of Security [2] to release 100% payment of the cost as per the said agreement and [3] to exempt from performance guarantee on furnishing by the bidder to OPTCL, a Composite bank Guarantee of the value of 10 % [ten percent] of the contract price of the said agreement.

NOW THEREFORE, in consideration of the OPTCL having agreed [1] to exempt the bidder from making payment of Security [2] releasing 100% payment to the bidder and [3] to exempt from furnishing performance guarantee in terms of the said agreement as aforesaid, we, the

_____ [Bank] [hereinafter referred to as 'the Bank'] do hereby undertake to pay to the OPTCL an amount not exceeding Rs. _____

[Rupees _____] against any loss or damage caused to or suffered by or would be caused to or suffered by the OPTCL by reason of any breach by the said Bidder [s] of any of the terms or conditions contained, in the said agreement.

2. We the (_____ Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on demand from the OPTCL stating that the amount claimed is due by way of loss or damage caused to or suffered by the OPTCL by reason of any breach by the said Supplier [s] of any of the terms or conditions, contained in the said agreement or by reason of the bidder's failure to perform the said agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____

[Rupees _____]

3. We the _____ Bank} also undertake to pay to the OPTCL any money so demanded notwithstanding any dispute or disputes raised by the Contractor [s] in any suit or proceeding instituted/pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Contractor [s] shall have no claim against us for making such payment.

4 We, (_____ Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to do so enforceable till all the dues of the OPTCL under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Deputy General Manager, E.H.T.(O&M) Division, OPTCL, Chainpal, certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor [s] and accordingly discharges this Guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the [Date _____], we shall be discharged from all liability under this guarantee thereafter.

5. We, (_____ Bank) further agree that the OPTCL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor [s] and we shall not be relieved from our liability by reason of any such variations or extension being granted to the said Contractor [s] or for any forbearance, act or omission on the part of the OPTCL or any indulgence by the OPTCL to the said Contractor [s] or by any such matter or thing whatsoever which under the law relating to sureties would but these provisions have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the name, style and constitution of the Bank and Contractor [s].

7. We, [_____ Bank] lastly undertake not to revoke this guarantee during its currency except with the previous consent of the OPTCL in writing.

8. We the _____ Bank further agree that this guarantee shall also be invoked at our place of business in Angul / Talcher (indicate the name of the branch) in the state of ODISHA.

Not with standing anything contained herein.

1) Our liability under this bank guarantee shall not exceed Rs. ----- (Rupees-----).
-----).

2) The bank guarantee shall be valid up to dt.-----

3) We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only & only if you serve upon us at -----branch at Angul/Talcher a written claim or demand on or before dt.-----.

Dated _____ Day of _____

For _____

[Indicate the name of Bank]

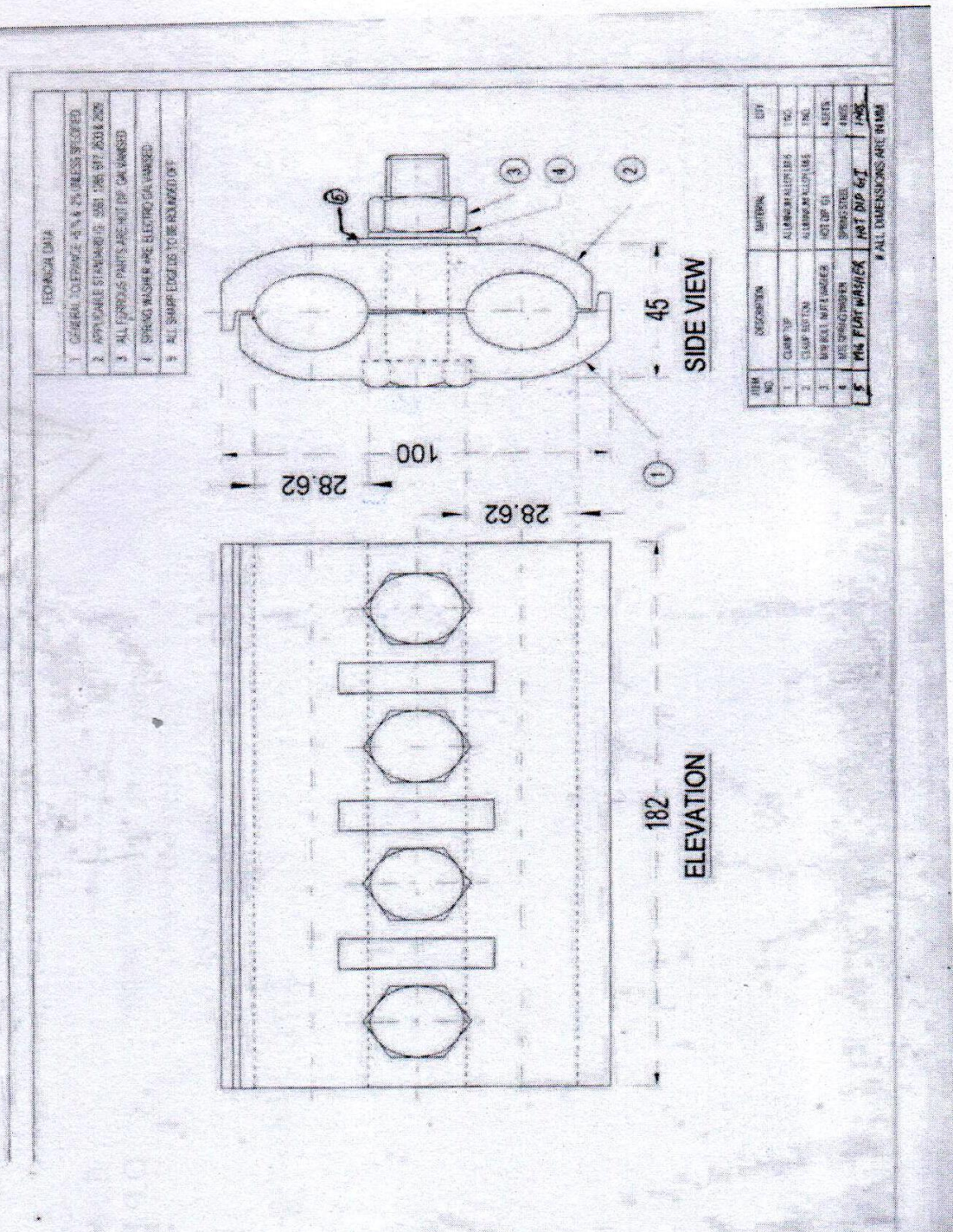
Witness ((Signature, names & address)

1.

2.

SECTION-V
ANNEXURE-IV

DIMENSIONAL DRAWING



SECTION-V
ANNEXURE-V

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	PIN CODE	
6	PHONE NUMBER	
7	FAX NUMBER	
8	GST REGISTRATION NUMBER	
9	PAN NUMBER	
10	CONTACT PERSON'S NAME	

Signature of Bidder with Seal