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Lifeline of Odisha

ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of Odisha Undertaking)

CIN: U40102OR2004SGC007553 /GTIN: 21AAACO7873L1Z6

REGD. OFFICE: JANPATH, BHUBANESWAR – 751 022,

OFFICE OF THE GENERAL MANAGER, (Elect)

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

PIN-759104, and DIST: ANGUL (ODISHA)

E-mail-ehm.cle.chp@optcl.co.in

TENDER SPECIFICATION NO. CHP-29/2018-2019

FOR

**SUPPLY OF SINGLE/DOUBLE TENSION HARDWARE FITTINGS FOR ACSR ZEBRA
& AAAC/ACSR MOOSE TO BE USED AT DIFFERENT EHT LINES UNDER
ANNUNCIATOR FASCIA FOR DIFFERENT GRID S/S UNDER EHT (O&M) CIRCLE,
CHAINPAL**

SECTION-I-	INSTRUCTION TO BIDDERS
SECTION-II-	GENERAL CONDITIONS OF CONTRACT
SECTION-III-	TECHNICAL SPECIFICATION
SECTION-IV	PRICE BID
SECTION-V-	LIST OF ANNEXURE

Sale of tender documents: From dt- 20.02.2019 (10.00 Hrs)

To dt- 28.02.2019 (01.00 Hrs)

Last date of submission of tender: Upto dt- 01.03.2019 (01.30 Hrs)

Date of opening of Tender: On dt- 01.03.2019 (03.30 Hrs)

ISSUED TO,

M/S.....

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ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of ODISHA Under Taking)

Regd. Office: Janpath, Bhubaneswar-751022, Odisha

OFFICE OF THE GENERAL MANAGER: ELECT.

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

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

CIN:U40102OR2004SGC007553/ GTIN:21AAACO7873L1Z6

TENDER NOTICE NO. CHP-29 / 2018-19

NOTICE INVITING TENDER

For and on behalf of ODISHA POWER TRANSMISSION CORPORATION LTD, General Manager, EHT (O&M) Circle, Chainpal invites Tenders from reputed bidders fulfilling the eligibility criteria and registered in the central excise department and must possess valid goods & service tax registration certificate, for “Supply of Single/Double tension hardware fittings for ACSR Zebra & AAAC/ACSR Moose to be used at different EHT Lines under EHT (O&M) Circle, Chainpal”.

The above Tender is a single-part bidding system in manual paper mode only as per the following details.

Tender Specification No: CHP-29/2018-19

Sale of tender documents: From dt- 20.02.2019 (10.00 Hrs)
To dt- 28.02.2019 (01.00 Hrs)

Last date of submission of tender: Upto dt- 01.03.2019 (01.30 Hrs)

Date of opening of Tender: On dt- 01.03.2019 (03.30 Hrs)

Cost of Tender Spec Document : Rs.4000/ + Rs480/- (GST@12%)= Rs 4,480/-

Earnest Money Deposit: *Rs. 10,000.00/- (Rupees Ten Thousand)

***it is an Fixed amount , not related to estimate.**

The bidders can view the tender documents from website free of cost.

ELIGIBILITY FOR SUBMISSION OF BIDS:-

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.

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

- 1. Manufacturer More Than 5years.**
- 2. GST Registration Certificate.**
- 3. Permanent Account Number (PAN) issued by Income Tax Department.**
- 4. Experience regarding supply of above material to any State/Central, GOVT./PSU organization within Last Three Years with performance of at least One Year.**

The bidders can view the tender documents from website free of cost. The bidders who want to participate in the tender shall have to pay Rs.4480/- (Rupees Four Thousand Four Hundred Eighty Only) non refundable including GST @ 12%) towards the cost of tender document, in the form of Demand draft only, drawn in favour of EHT (O&M) Circle Chainpal, Payable at UCO Bank, TTPS Branch (In case the D.D made from 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) and the same is to be submitted to the office of the undersigned on or before the last date & time of Opening of tender. 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.

N.B:- Tender Paper must be purchased from this office only within stipulated period. No other mode like downloaded paper from website will be accepted.

* 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.

TELEPHONES / CONTACTS

1. TA to General Manager: 9438907324

2. Estimator: 9438907646

NOTE: -

1. In case the due date for opening of tender happens to be a holiday, then tenders would be received & opened on the next working day at the same time.
2. Please note that the tenders against this tender enquiry are being invited through **Paper mode (Hard Copy of Tender documents has to submit)**. In case of any clarification the prospective bidders may contact this office as mentioned above.

**GENERAL MANAGER
EHT (O&M) CIRCLE, CHAINPAL**

PART-I
SECTION-I
INSTRUCTIONS TO BIDDER

1. Submission of Bids: -

2. 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 GENERAL MANAGER: ELECT.

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

DIST: ANGUL (ODISHA), Pin-759104, [Email-ehm.cle.chp@optcl.co.in](mailto:email-ehm.cle.chp@optcl.co.in)

b) Bear the name of the work, Bid 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.

N.B.- 1) Bidder must be submitted Two Inner envelope consists of One Price Bid & another is Technical Bid. Initially the technical bid will be opened & sample will be tested. Then the price Bid of Technically qualified bidder will be opened. No conditions will be accepted in any circumstances. The bidder has to submit the sample of each item before opening of Tender.

2) The bidder may visit this office for verifying the product design & submit the sample & offer accordingly.

3. Division of Specification.

The specification is mainly divided into two parts viz. Part-I & Part-II.

SECTION-I- INSTRUCTION TO BIDDERS.

SECTION-II- GENERAL CONDITIONS OF CONTRACT

SECTION-III- TECHNICAL SPECIFICATION

SECTION-IV- PRICE SCHEDULE

SECTION-V- LIST OF ANNEXURE

4. Purchaser's Right Regarding Alteration of Quantities Tendered.

The Purchaser may alter/add/delete the quantities of materials /equipment at the time of placing orders. Initially the purchaser may place orders for lesser/same /more 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 bidder for any particular item, if considered necessary in the interest of the Purchaser to get the goods/equipment earlier or quality of material.

5. Purchaser's right to accept/reject bids:

The purchaser reserves the right to reject any or all the tenders without assigning any reasons whatsoever if it is in the interest of OPTCL, under the existing circumstances

6. Earnest money deposit:

The tender shall be accompanied by Earnest Money deposit of value specified in the notice inviting tenders against each bid. Tenders without the required EMD will be rejected outrightly. The earnest money deposit shall be furnished in shape of **Bank Draft (Only)**:-To be drawn in favour of **EHT (O&M) Circle, OPTCL, Chainpal, Payable at UCO Bank, TTPS Branch** (*In case the D.D made from 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 is Nonrefundable*)

NOTE:-

- a) No adjustment towards EMD shall be permitted against any outstanding amount with the **ODISHA POWER TRANSMISSION CORPORATION LTD.**
- b) In the case of un-successful bidder, the EMD will be refunded on written request without any interest after the tender is decided. In the case of successful Bidder, this will be refunded only after furnishing of the security money.
- c) Suits, if any, arising out of this clause shall be filed in a Court of law to which the jurisdiction of High Court of ODISHA extends.
- d) EMD will be forfeited if the bidder fails to accept the letter of intent and /or purchase order issued in his favour or to execute the order, placed on them.
- e) Tenders not accompanied by Earnest Money shall be disqualified.
- f) EMD carries no interest.
- g) **The EMD not claimed for refund within a period of one year from the date of issue of Purchase/ Work orders and the Security Deposit not claimed for refund within a period of three years after completion of contract, will be forfeited.**
- h) **In case of NSIC/MSME certificate holders 50% of EMD deposit shall be applicable.**
- i) **EMD not claimed within one year of placement of order shall be forfeited.**

7. Validity of the Bids: -

The tenders should be kept valid for a period of **180** days from the date of opening of the tender, failing which the tenders will be rejected.

8. PRICE: -

The bidders are advised to quote their rate as per the price schedule and shall remain firm inclusive of all taxes & duties, labour charges etc. within the validity of the tender

9. Bidders to be fully conversant with the clauses of the Specification:

Bidders are expected to be fully conversant with the meaning of all the clauses of the specification before submitting their tenders. In case of doubt regarding the meaning of any clause, the bidder may seek clarification in writing from the **GM, EHT (O&M) Circle, Chainpal**. This however does not entitle the Bidder to ask for time beyond due date, fixed for receipt of tender.

10. Documents to Accompany Bids.

Tenderers are required to submit tenders in the following manner:

- Qualification for participating in the Bid as mentioned above .
- Declaration Form as per **Annexure-I** (duly signed).
- Earnest Money (Demand Draft)
- Abstract of Terms & conditions in prescribed proforma as per Annexure-II. To be entered in the bid sheets provided.
- General Terms & Conditions of contract as per Section-II of the Specification. (All the required documents are to be submitted.)
- Data on past experience if any **as per** the Specification.(Document to be Submitted)
- GSTIN certificate, permanent account number [PAN] of the firm is required under Income tax Act..
- Any other document required, is to be submitted.

11. Conditional Offer:

Conditional offer shall not be accepted.

12. General Instruction to the Bidders : -

- The tender paper cost (Form fee non refundable) for an amount of **Rs 4480/-** is to be paid in shape of DD.
- The EMD amount as specified is to be paid in shape of DD.
- In the event of discrepancy or arithmetical error in the schedule of price, the decision of the purchaser shall be final and binding on the Tenderer.
- Notice inviting tender shall form part of this specification.
- The EMD, shall be returned to the unsuccessful bidders after finalization of tender on written request.

- It should be distinctly understood that the price bid shall contain only details/documents relating to price, as mentioned herein above.
- **The Tenderer must submit the EMD amount and cost of tender document in shape of DD in a sealed cover envelope super scribing the Tender Notice No & Date opening of tender clearly on the envelope cover along with the bid. The said envelope is to be submitted in the office of the purchaser on or before the last date and time of submission of tender.**

PART-I

SECTION-II

GENERAL TERMS AND CONDITIONS OF CONTRACT [G.T.C.C.]

1. Scope of the contract:

This specification covers “Supply of Single/Double tension hardware fittings for ACSR Zebra & AAAC/ACSR Moose to be used at different EHT Lines under EHT (O&M) Circle, Chainpal” as per technical requirement mentioned in Section– IV of the tender specification. The scope of contract shall be to deliver the material on Rail/Road transport at destinations of OPTCL site store as specified in the schedule of quantity. The bidder should quote the make of items and indicate whether the materials bear ISI mark. The bidder should also provide the GSN Code for the quoted product

2. Definition of terms:

For the purpose of this specification and General Terms and Conditions of contract [GTCC], the following words shall have the meanings hereby indicated, except where otherwise described or defined.

- 2.1 “The Purchaser” shall mean the General Manager, EHT (O&M) Circle, Bhubaneswar for and on behalf of ODISHA POWER TRANSMISSION CORPORATION LTD., Bhubaneswar.
- 2.2 “The Engineer” shall mean the Engineer appointed by the Purchaser for the purpose of this contract.
- 2.3 “Purchaser’s Representative” shall mean any person or persons or consulting firm appointed and remunerated by the Purchaser to supervise, inspect, test and examine workmanship and materials of the equipment to be supplied.
- 2.4 “The supplier” shall mean the bidder whose bid has been accepted by the purchaser and shall include the bidder’s executives, administrators, successors and permitted assignees.
- 2.5 “Equipment” shall mean and include all machinery, apparatus, materials, and articles to be provided under the contract by the suppliers.
- 2.6 “Contract Price” shall mean the sum named in or calculated the bid.
- 2.7 “General Condition” shall mean these General Terms and Conditions of Contract.

- 2.8 The Specification” shall mean both the technical as well as commercial parts of the specification annexed to or issued with GTCC and shall include the **schedules** and drawings, attached thereto as well as all samples and pattern, if any.
- 2.9 “Month” shall mean “Calendar month”.
- 2.10 Writing” shall include any manuscript, type written, printed or other statement reproduction in any visible form and whether under seal or under hand.
- 2.11 “FOR Destination costs” shall mean the cost of equipment and material at the consignee’s store/site. The cost is inclusive of Excise duty, Sales tax and other local taxes, packing, forwarding and insurance and freight charges.
- 2.12 The term “Contract document” shall mean and include GTCC, specifications, schedules, drawings, form of tender, Notice Inviting Tender, covering letter, schedule of prices or the final General Conditions, any special conditions, applicable to the particular contract.
- 2.13 Terms and conditions not herein defined shall have the same meaning as are assigned to them in the Indian Contract Act, failing that in the ODISHA General Clauses Act.

3. Manner of execution:

All materials supplied under the contract shall be manufactured in the manner, set out in the specification or where not set out, to the reasonable satisfaction of the Purchaser.

- 4. SAMPLE:** The sample/products of all bidders shall be scrutinized by a sample scrutiny committee to be constituted by the purchaser. Accordingly bidder or their authorized representatives should present with samples in the undersigned office for demonstration before opening of tender on Dt.01-03-2019. The bidders, whose samples are approved by the committee, shall be considered for opening of price Bid. *In no case, the bidders shall be allowed for change of sample. No extra will be paid by OPTCL for above sample demonstration.*

5. Rejection of Materials.

In the event any of the equipments /material supplied by the manufacturer is found defective due to faulty design, bad workmanship, bad materials used or otherwise not in conformity with the requirements of the Specification, the Purchaser shall either reject the equipment /material or ask the supplier in writing to rectify or replace the defective equipment /material free of cost to the purchaser. The Supplier on receipt of such notification shall either rectify or replace the defective equipment /material free of cost to the purchaser within 15 days from the date of issue of such notification by the purchaser.

6. 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.

7. Right to reject /accept any tender:

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 Bidders on individual merits of the Bidder. 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 schedule of the materials. It may be clearly understood by the Bidder that the purchaser need not assign any reason for any of the above action[s].

8. Delivery:-

The desired delivery period shall be within 60 (sixty) days of placing purchase order.

9. Despatch instructions.

a) The equipments/ materials should be securely packed and dispatched directly to the specified site at the supplier's risk by Road Transport only after getting dispatch clearance/purchase order from the purchaser.

b) Loading & unloading of Ordered Materials.

It will be the sole responsibility of the supplier for loading and unloading of materials both at the factory site and at the destination site/store. The Purchaser shall have no responsibility on this account.

10. Supplier's Default Liability.

(I) The Purchaser may, upon written notice of default to the supplier, terminate the contract in circumstances detailed hereunder.

a) If in the judgment of the Purchaser, the supplier fails to make delivery of equipment/material within the time specified in the contract or within the period for which if extension has been granted by the Purchaser in writing in response to written request of the supplier.

b) If in the judgment of the Purchaser, the supplier fails to comply with any of the provisions of this contract.

(II) In the event, Purchaser terminates the contract in whole or in part the Purchaser reserves the right to purchase upon such terms and in such a manner as he may deem appropriate in relation to the equipment/material similar to that terminated and the supplier will be liable to the Purchaser for any additional costs for such similar equipment/material and/or for penalty for delay as defined in **clause-21** of this section until such reasonable time as may be required for the final supply of equipment.

(III) In the event the Purchaser does not terminate the contract supplier shall be liable to the Purchaser for penalty for delay as set out until the equipment is accepted. This shall be based only on written request of the supplier and written willingness of the Purchaser.

11. Force Majeure:

The supplier 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 and provided that the supplier shall within Ten (10) days from the beginning of delay on such account notify the purchaser in writing of the cause of delay. The purchaser shall verify the facts and grant such extension, if facts justify.

12. Extension of time:-

If the delivery of equipment/material is delayed due to reasons beyond the control of the supplier, the supplier shall without delay give notice to the purchaser in writing of his claim for an extension of time. The purchaser on receipt of such notice may or may not agree to extend the contract delivery date as may be reasonable but without prejudice to other terms and conditions of the contract.

13. Guarantee period: -

The material should be guaranteed for satisfactory operation and against defects in design, materials and workmanship for a period of at least 12(twelve) months from the last date of delivery **with complete replacement of the same**. The above guarantee certificate shall be furnished in triplicate to the purchaser for approval. Any defect noticed during this period should be rectified/replaced 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 failing which provision of **clause- 21** shall apply.

14. GST REGISTRATION CERTIFICATE, PAN CARD : Attested legible Xerox copies of Income Tax PAN Card, GST Registration Certificate valid on the date of opening of the tender should be submitted along with tenders without which tender will be rejected at the time of opening. If required, the tenders shall have to produce original documents for verification any time after the opening of tender. Those who fail to produce the same and found not to be valid on the date of opening of the tender, their tenders will be rejected.

15. SUBMISSION OF PROOF REGARDING MANUFACTURER'S CERTIFICATE/ AUTHORISED DEALERSHIP CERTIFICATE, PRICE LIST OF THE MANUFACTURER, PAST EXPERIENCE OF EXECUTION OF ORDER PERFORMANCE CERTIFICATE, TEST CERTIFICATE:

Attested legible Xerox copies of necessary Manufacturer's certificate, valid authorized dealer certificate, Manufacturer's Price list and technical literature etc. should be furnished along with the tender. If required, the firms may be requested to produce such original certificates for verification. Past experience, if any, of execution of Purchase Orders need to be furnished by the bidders. The tender shall be accompanied with detail drawing and technical literature, leaflets, manuals if any.

16. **FREE REPLACEMENT:** Free replacement of materials lost / damaged during 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 etc.
17. **STANDARDS:** The equipments shall strictly comply with relevant IS-15652:2006 (Latest edition along with amendments if any) or equivalent standard as regards material, design, manufacture and testing etc.
18. **QUANTITY VARIATION:** The quantity to be ordered may undergo revision at the time of placement of orders.
19. **B.G. TOWARDS SECURITY DEPOSIT, 100% PAYMENT AND PERFORMANCE GUARANTEE:**
- a) For manufacturers / dealers / suppliers situated Inside & outside the state of ODISHA.A Composite Bank Guarantee for 10% [ten percent] of the total FORD cost of the purchase order, shall be furnished from any nationalized/scheduled bank having a place of business at Bhubaneswar, to the office of General Manager EHT (O&M) Circle, Bhubaneswar 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 and submitted to the paying authority for scrutiny and acceptance, failing which the supply 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 Bhubaneswar, 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.
- b) No interest is payable on any kind of Bank Guarantee.
- c) In case of non-fulfillment of contractual obligation, as required in the detailed purchase order/Specification, the composite Bank guarantee shall be forfeited.
- d) The Bank Guarantee Format shall be provided by the Purchaser at the time of placing the Purchase Order.
20. **Terms of Payment.**
- (i) 100% value of contract with 100% including all Taxes & Duties in full as applicable will be paid on receipt of materials in good condition at stores/desired site and verification thereof, subject to furnishing and approval of Composite Bank Guarantee at the rate of 10% (Ten percent) of the cost of supplied materials, as stipulated under **clause-19** of this specification & on prior approval of guarantee certificate & Test certificate by the Purchaser. Income tax as applicable shall be deducted from the source.

(ii) The supplier shall furnish Composite Bank Guarantee of appropriate amount to OPTCL covering 10% of F.O.R. Destination cost of the purchase order well in advance (within 15 days from the date of issue of the purchase order) before despatch of materials.

21. Penalty for Delay in Completion of Contract

- (A) If the Supplier fails to deliver the materials within the delivery schedule, specified in the contract including delivery time extension, if any, granted thereto, the Purchaser shall recover from the Supplier, penalty for a sum of half percent (0.5 percent) of the Ex-works price of the un-delivered equipment for each calendar week of delay or part thereof. For this purpose, the date of receipt of challan shall be reckoned as the date of delivery. The total amount of penalty shall not exceed five percent (5%) of the ex-works price of the unit or units so delayed. Equipment will be deemed to have been delivered only when all its components and accessories as per technical Specification are also delivered. If certain components & accessories are not delivered in time, the equipment will be considered delayed until such time as the missing parts are delivered.
- (B) If the Supplier fails to replace the material within 30 days from the date of intimation of the defect, so noticed by the purchaser within the guarantee period then the penalty for sum of one half of the one percent (0.5%) of the total Purchase order amount for each calendar week of delay shall be recovered by the purchaser within the guarantee period. For this purpose, penalty date will start from the 30th. day from the date of issue of letter on defectiveness of material, so supplied, by the purchaser. The total amount of penalty in this case shall not exceed 10% (TEN PERCENT) of the purchase order amount. The purchase order amount shall mean ex-works price + freight & insurance and all taxes & duties. If the defects so intimated within the guarantee period will not be rectified by the Supplier within the stipulated period then whole of the B.G. will be forfeited by the purchaser, without any intimation to the Supplier.

22. Insurance

The Supplier shall undertake insurance of stores covered by this Specification unless otherwise stated. The responsibility of delivery of the stores at destination in good condition rests with the Supplier. Any claim with the Insurance Company or transport agency arising due to loss or damage in transit has to be settled by the supplier. The Supplier shall undertake free replacement of materials damaged or lost, which will be reported by the consignee within 30 days of receipt of the materials at destination without waiting for the settlement of their claims with the carriers and underwriters.

23. Payment Due from the Supplier

All costs and damages, for which the supplier is liable to the purchaser, will be deducted by the purchaser from any money, due to the supplier, under any of the contract (s), executed with OPTCL.

24. Supplier's Responsibility.

Notwithstanding anything mentioned in the Specification or subsequent approval or acceptance by the Purchaser, the ultimate responsibility for design, manufacture, materials used and

satisfactory performance shall rest with the Bidders. The Supplier(s) shall be responsible for any discrepancy noticed in the documents, submitted by them along with the bid(s)

25. Jurisdiction of the High Court of ODISHA.

Suits, if any, arising out of this contract shall be filed by either Party in a court of Law to which the jurisdiction of High court of ODISHA extends.

26. Correspondences.

- i) Any notice to the supplier under the terms of the contract shall be served by Registered Post or by hand at the Supplier's Principal Place of Business.
- ii) Any notice to the Purchaser shall be served at the Purchaser's Principal Office in the same manner.

Official Address of the Parties to the Contract

The address of the parties to the contract shall be specified:-

Purchaser: General Manager,
EHT (O&M) Circle, OPTCL, Chainpal,
OPTCL
AT/PO: CHAINPAL COLONY,
DIST: ANGUL (ODISHA), Pin-759104,
Email-htm.cle.chp@optcl.co.in

Supplier: Address

Telephone No.

Fax No.

27. Paying Officer and Consignee

- Paying Officer : Mentioned in Schedule quantity Table
- Consignee & Verifying Officer: Mentioned in Schedule quantity Table

28. Outright Rejection of Tenders

Tenders shall be outrightly rejected if the followings are not complied with:

1. Tenders shall be accompanied with the prescribed earnest money deposit, Paper Cost & Tender processing Fee.
2. Tenders shall be kept valid for a minimum of 180 days from the date of opening of the tender.
3. Tenders shall be accompanied with clear valid Xerox copy of GST registration (if applicable), & clearance certificate, PAN card, which must be valid on the date of opening of the tender. All copies of documents and each page of the tender must be signed by the authorized representative of the bidders.
4. Abstract of general terms and conditions of contract.
5. Bidders not fulfilling the qualifying criteria as mentioned in **ELIGIBILITY FOR SUBMISSION OF BIDS.**
6. The bidders have to unconditionally comply with tender specification.

SECTION-III

TECHNICAL SPECIFICATION:-

Single Tension Hard ware fittings for ACSR Zebra 54+7/3.18 mm Conductor:-

Area - 428.9 Sq.mm
 Outer Diameter - 28.62 mm
 Weight - 1620 Kg. per Km.
 Brkd. - 13466.4 Kg.

Double Tension Hard ware fittings for AAAC Moose -61/3.55 mm Conductor:-

Area - 604 Sq.mm
 Outer Diameter- 31.95 mm
 Weight - 1666.3Kg. per Km.
 Brkd. - 16799.0 Kg

Double Tension Hard ware fittings for ACSR Moose 54+7/3.53 mm Conductor:-

Area - 528.5 Sq.mm
 Outer Diameter - 31.77 mm
 Weight - 1996.2 Kg. Per Km.
 Brkd. - 16593.9 Kg.

Sn	HARDWARES	SUSPENSION	TENSION	
i	Maker's name and Address			
ii	Size and designation of ball and socket with standard specification to which conforming	16mm as per IS 2486	20mm as per IS 2486	
iii	Material			
a)	Anchor shackle	NA	Forged steel Galvanized	
b)	Chain Link	NA	Forged Steel Galvanized	
c)	Ball hook / Ball Link (HH)	Forged Steel Galvanized	Forged Steel Galvanized	
d)	Socket Eye (HH)	Forged Steel Galvanized	NA	
e)	Ball Clevis	Forged Steel Galvanized	Forged Steel Galvanized	
f)	Socket Clevis	Forged Steel Galvanized	Forged Steel Galvanized	
g)	Yoke Plate	Mild Steel Galvanized	Mild Steel Galvanized	
h)	Arcing Horn	Mild Steel Galvanized	Mild Steel Galvanized	
I)	Clamp Suspension	A.G.S. Clamp	NA	
J)	Dead End/Cross arm strap	NA	NA	
k)	Dead end clamp (Compression)	NA	Extruded Aluminum Alloy	
iv	Standard specification to which the Hardware conform	IS 2486, IS: 2004, IS:617, IS-2633, & IS-733		
v	Standard specification to which conforming	IS: 2486		
vi	Galvanizing			
a)	Ferrous parts	Hot Dip Galvanized		
b)	Spring washers	Electro Galvanized		
c)	Quality of zinc used	99.5%		
d)	Number of dips which the clamp can withstand	4/ 1 minute dips		
vii	Standard to which conforming	IS 2633		
Viii	Reference to drawing No.			
Ix	Minimum failing load in kg		For ACSR Zebra (220 KV)	For AAAC Moose (400 KV)
a)	For Single Tension Hardware Fittings		160 KN	160 KN

Test-For Hardware Fittings

- (I) Visual examination. IS-2121 (Part-I) will be carried out by the committee.
(II) Proof & test certificate of material (Electrical, Chemical & Mechanical) should be submitted along with the Sample.

Technical Details

- (i) Bolt hook Forged Steel 9,000/ 11,500/16,500 Kg. (90KN/120KN/160KN)
(ii) Anchor Shackle -do- 11,500/16,500 Kg. (120 KN/160 KN)
(iii) Socket Eye Horn - do- 9,000/11,500 /16500Kgs (90 KN/120 KN/160 KN)
Holder.
iv) Socket Clevis. -do- 9,000/11,500/16,500 Kg.
v) Ball Clevis -do- 9,000/11,500/16,500 Kg.
vi) Clevis Eye -do- 9,000/11,500/16,500 Kg.
vii) Socket Eye. -do- 9,000/11,500/16,500 Kg.
ii) Bottom / Top Yoke plate :
Double suspension Mild Steel 9,000/11,500 /16500Kg.
Double Tension -do- 16,500 Kg.
ix) Arcing Horn -do- ____
x) Suspension Clamp. Aluminum ____ Alloy and Neoprene.
xi) Tension Clamp. All. Alloy & 11,500/16500 Kg. Steel.
xii) Ball Pin High tensile 90% of UTS of forged steel conductor. (hot-dip galvanized)
xiii) Security Clip Brass (R-Type) Minimum failing load Single Suspension :9,000/11,500/16500
String (KN) Single Tension : 11,500/16,500
Double Suspension : 9,000/11,500/16500
Double Tension : 11,500/16,500

HARD WARE FITTINGS SUITABLE FOR AAAC CONDUCTOR.

The Hardware should be suitable for above type of conductor and as per drawing & specification marked on the body of the drawing.

All „D“ shackles should be perfect in manufacturer and shall be subjected to “X-Ray test at the time of inspection. All the hardware & fittings should be manufactured strictly in accordance with ISS. In case of deviation in technical specification, the same shall be duly approved from the Sr. General Manager [C.P.C.], OPTCL.

1. Dimensions of insulator string along with hardware fitting.

The various limiting dimensions of the single suspension / double suspension suspension and single/double tension hardware fittings shall be as per the sketches.

2. Interchangeability.

2.1 The hardware for insulator strings with disc insulators together with ball and socket fittings shall be standard design, so that these hardware are interchangeability with each other and suitable for use with disc insulators of any make conforming to relevant Indian/International standard.

2.2 The hardware fittings offered shall be suitable for employment of hot line maintenance techniques so that usual hot line operations can be carried out with ease, speed and safety. The technique adopted for hot line maintenance shall be generally bare hand method and hot stick method. The Bidder should clearly establish in the bid, the suitability of his fittings for hot line maintenance.

2.3 The line side yoke plate shall have a notch and a working hole of suitable size to facilitate the hot line working. The design of corona control ring or grading ring shall be such that it can be easily replaced by employing hot line maintenance technique.

2.4 Ball and socket designation.

The dimensions of the ball and socket shall be 20mm wherever 120 and 160 KN insulators are used and 16 mm when 90 KN insulators are used. The designation should be in accordance with the standard dimensions stated in IS-2486(Part-II)/ IEC 120. The dimensions shall be checked by appropriate gang after galvanizing only. T.S. No.Sr.GM-CPC-e-TENDER-H.W.FITTINGS-71/2014-15 - 72 -

3. Security clips and split pins.

3.1 Security clips for use with ball and socket coupling shall be R-shaped, hump type which provides positive locking of the coupling as per IS-2486 (Part-III)/IEC-372. The legs of the security clips shall be spread after assembly in the works to prevent complete withdrawal from the socket. The locking device shall be resilient, corrosion resistant and of suitable mechanical strength. There shall be no risk of the locking device being displaced accidentally or being rotated when in position. Under no circumstances shall the locking devices allow separation of fittings.

3.2 The hole for the security clip shall be countersunk and the clip shall be of such design that the eye of clip may be engaged by a hot line clip puller to provide for disengagement under energized conditions. The force required to pull the security clip into its unlocked position shall not be less than 50 N (5 Kg.) or more than 500 N (50 Kg.)

3.3 Split pins shall be used with bolts and nuts. The Bidder must note that 2.5% extra fasteners are to be supplied without any extra cost to the Employer, to deal with losses during erection.

4. Arcing horn.

4.1 The arcing horn shall be either ball ended rod type or tubular type and shall be formed from galvanized mild steel and of approved types. The arcing horns shall be attached in an approved manner to all suspensions and tension insulator sets. The horns shall be attached to the insulator fittings, but not directly to conductor clamps or to the caps of insulator units. The design of the arcing horns shall be such as to reduce as far as reasonably possible, damage to the line conductors, clamps, insulators strings and arcing horns themselves under all flashover conditions. The general shape and method of attachment of the live end arcing horn shall also not restrict the replacement of insulators under live line condition.

4.2 The total effective arcing distance shall be 2130 mm 220 kV.

GENERAL

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

2. 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.

3. Pin balls shall be checked with the applicable "G" gauges in at least two directions, one of which shall be across the line of die flashing and the other 90 deg. To this line. „NO GO" gauges shall not pass in any direction.

4. Socket ends, before galvanizing shall be of uniform contour. The bearing surface of socket ends shall be uniform about the entire circumference without depressions or high spots. The internal contours of socket ends shall be concentric with the axis of the fittings as per IS 2486/IEC-120.

The axis of the bearing surfaces of socket ends shall be coaxial with the axis of the fittings. There shall be no noticeable tilting of the bearing surfaces with the axis of the fittings.

5. All current carrying parts shall be so designed and manufactured that contact resistance is reduced to minimum.

6. Welding of aluminium shall be by inert gas shielded tungsten arc or inert gas, shielded metal arc process. Welds shall be clean, sound, smooth, and uniform without overlaps, properly fused and completely sealed. There shall be no cracks, voids incomplete penetration, incomplete fusion, under-cutting or inclusions Porosity shall be minimized so that mechanical properties of the aluminium alloys are not affected. All welds shall be properly finished as per good engineering practices.

Electrical Design

The heavy duty suspension, and heavy duty tension insulator sets shall all comply with the technical requirements as above and ISS and IEC and satisfy the test requirements.

Mechanical design

The mechanical strength of the insulators and insulator fittings shall be as stated as above

The design shall be such that stresses due to expansion and contraction in any part of the insulator shall not lead to the development of defects.

Insulating material shall not engage directly with hard metal. All fixing materials shall be of approved quality, shall be applied in an approved manner and shall not enter into chemical action with the metal parts or cause fracture by expansion in service. Where cement is used as a fixing medium, cement thickness shall be as small and even as possible and proper care shall be taken to correctly centre and locate the individual parts during cementing.

SECTION-IV(Price Schedule)

Supply of Single/Double Tension Hardware fittings under EHT (O&M) Circle, Chainpal

Sl No	Description of Materials	Unit	Requirement	Unit Ex-Price in RS.	Amount Ex-Price in RS.
1	Single Tension Hardware fittings for ACSR Zebra Conductor Complete Set as per sample (Conductor Details:- ACSR Zebra 54+7/3.18 mm Conductor Area – 428.9 Sq.mm Outer Diameter – 28.62 mm Weight – 1620 Kg. Per Km. Brkd. – 13466.4 Kg.)	Nos	300		
2	Double Tension Hardware fittings for AAAC Moose Conductor Complete Set as per sample (Conductor Details:- AAAC Moose -61/3.55 mm Conductor Area – 604 Sq.mm Outer Diameter- 31.95 mm Weight – 1666.3Kg. per Km. Brkd. – 16799.0 Kg)	Nos	15		
3	Double Tension Hardware fittings for ACSR Moose Conductor Complete Set as per sample (Conductor Details:- ACSR Moose 54+7/3.53 mm Conductor Area - 528.5 Sq.mm Outer Diameter - 31.77 mm Weight - 1996.2 Kg. per Km. Brkd. – 16593.9 Kg	Nos	6		
A	Sub Total Ex Price				
B	GST on Sl-A				
C	Freight Charges				
D	GST on Sl-C				
E	Grand TOTAL(Sl-A to Sl-D) Or Say				

Grand Total (In words).....
.....

N.B- Incomplete price bid shall not be accepted. Individual item & taxes shall be clearly mentioned on the table above.

Signature of the Bidder
with seal of the company

SECTION-V
[LIST OF ANNEXURES]

The following schedules and Performa are annexed to this specification and contained in Section-III as referred to in the relevant clauses.

1	Declaration form	ANNEXURE-I
2	Abstract of terms and conditions to accompany Section-II	ANNEXURE-II
3	Bidders information	ANNEXURE-III
4	Documents to accompany Bids	ANNEXURE-IV
5	Schedule of Quantity and delivery schedule	ANNEXURE-V

ANNEXURE - I
DECLARATION FORM

To

The General Manager (Elect)
EHT O&M Circle, OPTCL, Chainpal

Sub:- Tender Specification No-_____

Sir,

1. Having examined the above specification together with terms & conditions referred to therein * I/We the undersigned hereby offer to supply the materials/equipments covered therein complete in all respects as per the specification and General conditions, at the rates, entered in the attached contract schedule of prices in the Tender.

2. * I / We hereby undertake to have the materials/equipments delivered within the time specified in the Tender.

3. * I / We hereby guarantee the technical particulars given in the Tender supported with necessary reports from concerned authorities.

4. * I/We certify to have submitted the bid electronically by remitting *online payment /D.D./ remitting the cost of tender, herewith and this has been acknowledged by your letter / receipt No. _____ Dated_____

5. In the event of Tender, being decided in *my/our favour, * I/We agree to furnish the Composite B.G. in the manner, acceptable to ODISHA POWER TRANSMISSION CORPORATION LTD., and for the sum as applicable to *me/us as per clause-21 of section-II of this specification within 15 days of issue of letter of intent/purchase order failing which *I/We clearly understand that the said letter of Intent/Purchase order will be liable to be withdrawn by the purchaser, and the EMD deposited by us shall be forfeited by OPTCL.

Signed this day of 20__

Yours faithfully

Signature of the Bidder
with seal of the company

[This form should be dully filled in by the bidder and uploaded at the time of submission of tender.]

* (Strikeout whichever is not applicable).

ANNEXURE-II

ABSTRACT OF GENERAL TERMS AND CONDITIONS OF CONTRACT [COMMERCIAL] TO ACCOMPANY

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.	<i>Yes/No</i>
3	Delivery :- Whether agreeable to OPTCL's desired delivery period as indicated at in the specification	<i>Yes/No</i>
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

ANNEXURE-III
BIDDER'S INFORMATION

SL NO	The bidder shall furnish general information in the following format	
	NAME OF THE BIDDER	
1	Address:-	
2	City	
3	Pin Code	
4	Contact person's Name :-	
5	Telephone No. office & Residence:-	
6	FAX No:-	
7	EMAIL:-	
9	GSTIN	
10	PAN NO.	

Place: -

Date: -

Signature of the Bidder
with seal of the company

ANNEXURE-IV

Documents to Accompany Bids

Sl.No.	Description	To be filled by the bidder.
1	Declaration Form. [As per Annexure-I]	
2	Photostat copies of type test certificates of materials offered as stipulated in the Technical Specification.	
3	Abstract of Terms & conditions in prescribed proforma as per Annexure-II.	
4	Signed Copy of General Terms & Conditions of supply offer i.e Section-II of the Specification.	
5	GST Registration certificate. The permanent account number [PAN] of the firm is required under Income tax Act.	
6	Signed copy of Schedule of quantity and delivery in the prescribed Proforma vide Annexure IV	

Place: -

Date: -

Signature of the Bidder
with seal of the company

ANNEXURE-VII

SCHEDULE OF QUANTITY ALONG WITH DELIVERY SCHEDULE

**Description of Material:- Supply of Single/Double Tension Hardware fittings under EHT (O&M)
Circle, Chainpal**

Sl	Name of Grid/Line Sub Division	Name of Division	Single Tension Hardware fittings for ACSR Zebra	Double Tension Hardware fittings for AAAC Moose	Double Tension Hardware fittings for ACSR Moose
1	Line S/D Chainpal	Name of Paying Officer :- <i>DGM, EHT (O&M) Division Chainpal, At/po- Chainpal Colony, Talchel, Angul-759104</i> Consignee:- <i>SDO, Line S/D Chainpal</i>	300Nos.	0	0
2	400/220/132/33KV Grid S/S Meramundali	Name of Paying Officer :- <i>DGM, EHT (O&M) Division Meramundali, At-Kantabania, Po-Kusupanga, Dhenkanal- 759121</i> Consignee:- <i>SDO, 400/220/132 KV Grid S/S Meramundali</i>	0	15Nos.	06Nos.
	Total		300Nos.	15Nos.	06Nos.

Signature of the Bidder
with seal of the company