



ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of Odisha Undertaking)

CIN – U40102OR2004SGC007553

REGD. OFFICE: JANPATH, BHUBANESWAR – 751 022,

OFFICE OF THE GENERAL MANAGER, (Elect)

EHT (O&M) Circle, Cuttack. At :- Madhusudan Nagar

P.O:- Tulsipur, Cuttack-753008.

Tel-/FAX-(0671)-2300547, E-mail-ehm.cle.ctc@optcl.co.in

TENDER SPECIFICATION NO.- 08/2014-15

FOR

PROCUREMENT OF DIFFERENT TYPES OF ALUMINIUM CLAMPS AND CONNECTORS

FOR EHT (O&M) CIRCLE. CUTTACK

PART-I

- | | |
|---------------------|---------------------------------------|
| SECTION-I- | INSTRUCTION TO TENDERERS. |
| SECTION-II- | GENERAL CONDITIONS OF CONTRACT |
| SECTION-III- | LIST OF ANNEXURE |
| SECTION-IV- | TECHNICAL SPECIFICATION. |
| SECTION – V- | TECHNO COMMERCIAL BID |

PART-II

- 1. PRICEBID**
- 2. PRICE SCHEDULE**

Request for online tender documents – From dt- 29.10.2014 (10.00 Hrs) to dt-12.11.2014(12.30 Hrs)

Issue of online tender documents (bid sheets)- From dt-29.11.2014 (10.01 Hrs) to dt- 12.11.2014 (12.31 Hrs)

Last date of submission of online tender – up to dt- 12.11.2014 (17.00 Hrs)

Date of opening of Tender - dt.14.11.2014 (11.30 Hrs)

TELEPHONES / CONTACTS

1. General Manager: 09438907065
2. TA to General Manager: 9438907673
3. Office Land Line: 0671 2300226

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 e-tendering mode**. In case of any clarification the prospective bidders may contact this office as mentioned above.
3. **The prospective bidders are requested to get their digital signatures(Class-3) well in time** for participation in the tender and no request for extension on this account will be entertained.
4. **Manual tenders in any form/case will not be accepted.**



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Tel- 0671-2300226 FAX-0671-2300547, E-mail-ehm.cle.ctc@optcl.co.in

E-TENDER NOTICE NO. 08 / 2014-15

For and on behalf of ODISHA POWER TRANSMISSION CORPORATION LTD
General Manager, EHT (O&M) Circle, Cuttack, invites Tenders from Reputed
manufacturers/Experienced suppliers/Authorized Dealers in two part bidding system for supply of
Aluminum **Clamps suitable for Moose/Zebra & Panther Conductor at our work site in
Bhubaneswar and choudwar.** The interested bidders would be required to enroll themselves on
the tender portal www.tenderwizard.com/OPTCL and must have possess Class 3 Digital
Signature Certificate .Complete set of bidding documents are available at
www.tenderwizard.com/OPTCL from **29.11.2014 (10.00 Hrs) up to 12.11.2014 (12.30 Hrs).**
Interested bidders may visit OPTCL's official web site <http://www.optcl.co.in> and
www.tenderwizard.com/OPTCL for detail specification.

N.B:- All subsequent addendums/corrigendum to the tender shall be hosted in the OPTCL's
official web site <http://www.optcl.co.in> and www.tenderwizard.com/OPTCL only.

GENERAL MANAGER



NOTICE INVITING TENDER
ODISHA POWER TRANSMISSION CORPORATION LTD.,

CIN – U40102OR2004SGC007553

REGD. OFFICE: JANPATH, BHUBANESWAR – 751 022,

ODISHA, INDIA.

e-TENDER NOTICE NO- 08/2014-15.

For and on behalf of the ODISHA POWER TRANSMISSION CORPORATION LTD., the undersigned invites bids under two-part bidding system in e- tendering mode only as per the following details.

Sl. No	Tender Specification No	Description of materials.	Qty. In Nos.	INDIAN RUPEES			Last date of submission & Date of opening of Tender
				Earnest Money Deposit	Cost of Tender Spec.Doc ument	Tender Processin g Fee	
1.	GM/EHTM/CT C-08/2014-15	PG Clamps made of Aluminum Alloy (Pressure die casted) suitable for ACSR conductor with 16mm size hot dip galvanized Bolt & Nut spring & flat washer confirming to relevant IS: specification		34660/-	Rs.6000/ + Rs300/- (VAT)= Rs6,300/-	Rs.3466/- + Rs 428/- (ST @ 12.36%) = Rs 3894/-	up to dt- 12.11.2014(12 .30 Hrs) and 04.09.2014 at 11.00 hr
a)		2 Bolted for Zebra ACSR Conductor	3013				
b)		2 Bolted for Panther ACSR Conductor	1085				
c)		Single bolted for Zebra ACSR Conductor	1482				
d)		Single bolted for Panther ACSR Conductor	539				
e)		4 Bolted for Moose ACSR Conductor	30				

f)		4 Bolted for ACSR Moose to Zebra Conductor	40				
g)		4 Bolted for Zebra ACSR Conductor	50				
h)		4 Bolted for ACSR Zebra Conductor to Panther Conductor	65				
i)		3 Bolted for ACSR Zebra Conductor to Zebra Conductor	110				
j)		4 Bolted for ACSR Panther Conductor to Panther Conductor	50				
2		T Clamps made of LM 6 grade Aluminum Alloy (Pressure die casted) suitable for ACSR conductor with 12mm size hot dip galvanized Bolt & Nut spring & flat washer confirming to relevant IS: specification					
a		T clamp suitable for Moose run & moose drop	12				
b		T clamp suitable for Zebra run & Zebra drop	116				
c		T clamp suitable for Panther run & Panther drop	35				
d		T clamp suitable for Zebra run & Panther drop	15				
e		T clamp suitable for Zebra run & dog drop	06				
3		Bi-metallic straight through clamp made of LM 6 grade Aluminum					

		Alloy (Pressure die casted) suitable for ACSR conductor with 12mm size hot dip galvanized Bolt & Nut spring & flat washer & 2mm thickness copper liner confirming to relevant IS: specification					
a		Suitable for Zebra conductor & 33KV CT stud	79				
b		Suitable for Panther conductor & 33KV CT stud	40				
c		Suitable for 132KV CT stud & zebra conductor	15				
4		Pad Clamps made of Aluminum Alloy (Pressure die casted) suitable for ACSR conductor with 12mm size hot dip galvanized Bolt & Nut spring & flat washer confirming to relevant IS: specification					
a		Suitable for moose conductor	20				
b		Suitable for zebra conductor	115				
6		132KV PI clamp suitable for Moose conductor	12				

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

The bidders who want to submit bid shall have to pay Rs6300/- (Rupees Six thousand three hundred only **non refundable** including VAT @ 5%) towards the tender cost, in the form of Demand draft only, drawn in favour of EHT (O&M) Circle Cuttack payable at Cuttack and the same is to be submitted to the office of the undersigned on or before the last date & time of submission of tender.

The bidders shall have to submit non refundable amount of **Rs. 3894/- (Rupees Three thousand eight hundred ninety four only)** towards the tender processing fee in the form of Demand draft, drawn in favour of K.S.E.D.C.Ltd, Payable at Bangalore. The said demand draft is to be submitted along with the EMD & tender cost at the office of the undersigned on or before the last date & time of submission of tender. **Payment can also be made directly through e-payment gate way.**

The bidders shall scan the Demand Draft towards EMD , Tender Cost and tender processing fee and upload the same in the prescribed form in .gif or .jpg format in addition to sending the original as stated above.

The prospective bidders are advised to register their user ID, Password, company ID from website www.tenderwizard.com/**OPTCL** by clicking on hyper link “Register Me”.

Any clarifications regarding the scope of work and technical features of the tender can be had from the undersigned during office hours.

GENERAL MANAGER

EHT (O&M) CIRCLE,CUTTACK

COMMERCIAL SPECIFICATION.

PART-I

SECTION-I

INSTRUCTIONS TO TENDERER

1. Submission of Bids: -

The bidder shall submit the bid in Electronic Mode only i.e www.tenderwizard.com/OPTCL. The bidder must ensure that the bids are received in the specified website of the OPTCL by the date and time indicated in the Tender notice. Bids submitted by telex/telegram will not be accepted. No request to collect the Bids in physical form will be entertained by the OPTCL.

The OPTCL reserves the right to reject any bid, which is not submitted according to the instruction, stipulated above. The participants to the tender should be registered under ODISHA Sales Tax Act, VAT Act / Central sales Tax Act.

1. For all the users it is mandatory to procure the Class 3 Digital Signatures.
2. Contractors / Vendors / Bidders / Suppliers are requested to follow the below steps for Registration:
 - a. Click “Register”, fill the online registration form.
 - b. Pay the amount of Rs. **2247/-** through DD in Favour of **KSEDCL** Payable at Bangalore. This registration is valid for one year.
 - c. Send the acknowledgment copy for verification.
 - d. As soon as the verification is being done the e-tender user id will be enabled.
3. After viewing Tender Notification, if bidder intends to participate in tender, he has to use his e-tendering User Id and Password which has been received after registration and acquisition of DSCs.
4. If any Bidder wants to participate in the tender he will have to follow the instructions given below:
 - a. Insert the PKI (which consist of your Digital Signature Certificate – Class 3) in your System.
(Note: Make sure that necessary software of PKI be installed in your system).
 - b. Click / Double Click to open the Microsoft Internet Explorer (This icon will be located on the Desktop of the computer).
 - c. Go to Start > Programs > Internet Explorer.

- d. Type www.tenderwizard.com/OPTCL in the address bar, to access the Login Screen.
 - e. Enter e-tender User Id and Password, click on “Go”.
 - f. Click on “Click here to login” for selecting the Digital Signature Certificate.
 - g. Select the Certificate and enter DSC Password.
 - h. Re-enter the e-Procurement User Id Password
5. To make a request for Tender Document, Bidders will have to follow below mentioned steps.
 - Click “Un Applied” to view / apply for new tenders.
 - Click on Request icon for online request.
 - Enter the required fields including details of D.D for tender Processing fee.
 6. After making the request Bidders will receive the Bid Documents which can be checked and downloaded by following the below steps:
 - Click to view the tender documents which are received by the user.
 - Tender document screen appears.
 - Click “Click here to download” to download the documents.
 7. After completing all the formalities Bidders will have to submit the tender and they must take care of following instructions.
 - Prior to submission, verify whether all the required documents have been attached and uploaded to the particular tender or not.
 - Note down / take a print of bid control number once it displayed on the screen
 8. Tender Opening event can be viewed online.
 9. Competitors bid sheets are available in the website for all.
 10. **For any e-tendering assistant contact help desk number mentioned below.**
 - **Bangalore – 080- 40482000.**
 - **Mr. Satamanyu – mob: 09937140591**

2. Division of Specification.

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

Part-I Consists of

SECTION-I-	INSTRUCTION TO TENDERERS.
SECTION-II-	GENERAL CONDITIONS OF CONTRACT
SECTION-III-	LIST OF ANNEXURE
SECTION-IV-	TECHNICAL SPECIFICATION.
SECTION-V-	TECHNO COMMERCIAL BID

Part-II Consists of

1. PRICEBID
2. PRICE SCHEDULE

The Tenderers are required to submit the tenders in two parts viz. Part-I (Techno commercial) & Part-II (Price bid).

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

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

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

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

5. Mode of submission of Tenders.

[A] Tenders shall be submitted in electronic mode only.
(www.tenderwizard.com/OPTCL)

[B] **Telegraphic or FAX tenders** shall not be accepted under any 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 out rightly

The earnest money deposit shall be furnished in shape of **Bank Draft**: -To be drawn in favour of **EHT (O&M) Circle, Cuttack, payable at Cuttack.**

NOTE:-

- (i) No adjustment towards EMD shall be permitted against any outstanding amount with the **ODISHA POWER TRANSMISSION CORPORATION LTD.**
- (ii) In the case of un- successful tenderer, the EMD will be refunded without any interest after the tender is decided. In the case of successful Tenderer, this will be refunded only after furnishing of security money.

- (iii) 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.
- (iv) EMD will be forfeited if the tenderer fails to accept the letter of intent and/or purchase order issued in his favour or to execute the order, placed on them.
- (iv) Tenders not accompanied by Earnest Money shall be disqualified.
- (v) EMD carries no interest.

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: -

Tenderers are requested to quote-‘FIRM’ Price. No deviation from **FIRM PRICE** will be entertained irrespective of deviation.

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

Tenderers 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 tenderer may seek clarification in writing from the GM EHT (O&M) Circle, Cuttack. This however does not entitle the Tenderer 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:

Part-I of the Tender shall Contain the following documents.

- [i] Declaration Form. [As per Annexure-I]
- [ii] Earnest Money. [As per **Annexure-VI**]
- [iii] Photostat copies of type test certificates of materials/equipments offered as stipulated in the Technical Specification.
- [iv] Abstract of Terms & conditions in prescribed proforma as per **Annexure-II**.
- [v] General Terms & Conditions of supply offer as per **Section-II** of the Specification.
- [vi] Data on past experience as per the Specification.
- [vii] Sales tax clearance certificate for the previous year. The permanent account number [PAN] of the firm is required under Income tax Act.

11. Documents/Papers to accompany Part-II Bid.

- (a) Part – II of the tender shall consist of the following
 - (i) Abstract of Price Component, as per Annexure-III
 - (ii) Schedule of prices in the prescribed proforma as per Annexure-IV

12. Conditional Offer:

Conditional offer shall not be accepted.

13. General: -

- (i) 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.
- (ii) For evaluation, the price mentioned in words shall be taken if there is any difference in figures and words in the price bid.
- (iii) Notice inviting tender shall form part of this specification.
- (iv) The EMD, if any, shall be returned to the unsuccessful bidders.
- (vi) It should be distinctly understood that the part-II of the bid shall contain only details/documents relating to price, as mentioned herein above. Inclusion of any of the documents/information etc. shall render the bid liable for rejection.
- (vii) The tenderer must submit the EMD amount, cost of tender document and Tender processing fee in a sealed cover envelope super scribing the tender specification number, Tender Notice No & Date opening of tender clearly on the envelope cover. The said envelope is to be submitted in the office of the purchaser on or before the date and time of opening of technical bid

PART-I
SECTION-II

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

1. Scope of the contract:

. This specification covers the design, manufacture, assembly, inspection, testing, packing and delivery of Die Cast, high strength, heat treated LM 6 grade Aluminum Alloy clamps & connectors (suitable for “MOOSE” Conductor (54/7/3.53 mm), “Zebra” Conductor (54/7/3.18 mm), “Panther” Conductor (30+7/3.00 mm) as per the relevant IS. The same are required for out door utilization in EHT lines and substations. 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. Fittings shall conform in all respect to the highest standard of engineering, design, and workmanship and shall be capable of performing trouble free continuous operation.

2.0 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, Cuttack 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’s representative and as per the relevant IS.

4. **GENERAL REQUIREMENT;**

Aluminum Clamps offered shall be of die cast, high strength, heat treated LM 6 grade Aluminium Alloy and shall be suitable for use with ACSR Moose, Zebra and Panther conductor.. The grooves in the clamps shall be smooth to give a firm & complete grip to the conductor.. Bolts and Nuts so provided shall be of sufficient length to allow installation without disassembling the connector. Guaranteed Technical Particulars alongwith manufacturer drawings shall be furnished by the tenderers in respect of above sizes separately in the Proforma given at Annexure.

5. **INSPECTION & TESTS:**

The purchaser shall inspect, examine & test the material through its representative or

through an outside agency nominated by OPTCL at the manufacturer's/supplier's works, during or after the manufacture of material prior to despatch on receipt of a clear notice of minimum two weeks in advance to be reckoned from the date of receipt by the purchaser. The supplier/contractor shall provide all facilities to the inspecting officer like to and fro 2nd AC fare, Boarding in at least 3 star hotel, conveyance etc. for carrying out the following acceptance tests as per IS:2121 Part-4- 1991 (Latest edition with amendments if any) at the manufacturer's works at their own cost:-

- i) Tensile Test.
- ii) Verification of dimensions.
- iii) Resistance tests.
- iv) Galvanizing tests.

Type tests certificates from a Govt. approved/ recognized Test House indicating the results of type tests conducted (before original date of opening of tender) on not less than two clamps, identical in all essential details with those to be supplied, should be enclosed with the tender. Type test should be conducted on the tendered item manufactured only at work(s) from where material is to be supplied for the followings.

- i) Tensile Test.
- ii) Verification of dimensions.
- iii) Resistance tests.
- iv) Galvanizing tests.
- v) Temperature rise test
- vi) Short time current test.

Purchaser, however, reserves its right to carry out the type test(s) whenever felt necessary at firm's cost.

OTHER TESTS

Any other test(s) becoming necessary with the amendment in relevant ISS: or otherwise agreed to between the supplier & purchaser shall also be carried out.

NB: All the expenditure towards carrying out inspection and testing at the supplier' works by the purchaser's representative shall be borne by the supplier. This also includes travel fare from the office of the inspecting officer to the work site and back along with boarding & conveyance.

6.. **Rejection of Materials.**

In the event any of the equipments/material supplied by the manufacturer is found defective due to faulty design, bad workmanship, bad materials used or otherwise not in conformity with the requirements of the Specification, the

Purchaser shall either reject the equipment/material or ask the supplier in writing to rectify or replace the defective equipment/material free of cost to the purchaser. The Supplier on receipt of such notification shall either rectify or replace the defective equipment/material free of cost to the purchaser within 15 days from the date of issue of such notification by the purchaser. If the supplier fails to do so, the Purchaser may:-

- [a] At its option replace or rectify such defective equipments/materials and recover the extra costs so involved from the supplier plus fifteen percent and/or.
- [b] Terminate the contract for balance work/supplies, with enforcement of penalty Clause as per contract for the un-delivered goods and with forfeiture of Performance Guarantee/ Composite Bank guarantee.
- [c] Acquire the defective equipment/materials at reduced price, considered equitable under the circumstances.

7. **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.

8. **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 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].

9. **Delivery:-**

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

10. **Despatch instructions.**

- I] 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 from the purchaser.

II] **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.

11. **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 judgement 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 judgement 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-23 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 in Clause-23 of this section until the equipment is accepted. This shall be based only on written request of the supplier and written willingness of the Purchaser.

12. **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

13. 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.

14. Guarantee period: -

[i] The stores covered by this specification should be guaranteed for satisfactory operation and against defects in design, materials and workmanship for a period of at least 18 [eighteen] months from the last date of delivery or 12 [twelve] months from the date of utilisation 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/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 23 (ii) shall apply.

[ii] Equipment/material failed or found defective during the guarantee period shall have to be guaranteed after repair/replacement for a further period of 12 months from the date of commissioning or 18 months from the date of receipt at the store/site after such repair/replacement whichever is earlier . The Bank Guarantee is to be extended accordingly. Date of delivery as used in this clause shall mean the date on which the materials are received in OPTCL'S stores/site in full & good condition which are released for Despatch by the purchaser after due inspection.

15. VAT REGISTRATION, VAT CELARANCE CERTIFICATION, PAN CARD & AUTHORIZED DEALERSHIP CERTIFICATE : Attested legible Xerox copies of Income Tax PAN Card, VAT Registration & clearance Certificate & authorized dealership certificates (if applicable) 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.

16. TEST CERTIFICATE: Necessary manufacturer certificate/test certificate in respect of the materials/spares covered under the Purchase Order, shall be

submitted before dispatch of materials for approval. Test certificate in respect of materials should conform to relevant ISS.

The test certificate from ISI approved testing laboratory will also be accepted as and where applicable.

17. **SUBMISSION OF PROOF REGARDING MANUFACTURER'S CERTIFICATE/ AUTHORISED DEALERSHIP CERTIFICATE, PRICE LIST OF THE MANUFACTURER, PAST EXPERIENCE OF EXECUTION OF ORDER PERFORMANCE CERTIFICATE, TECHNICAL LITERATURE AND DRAWING, TYPE 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 of execution of Purchase Orders need to be furnished by the bidders. **The tender shall be accompanied with dimensional drawing and technical literature, leaflets, manuals if any.**

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. **STANDARDS:** The Clamps shall strictly comply with IS:5561- 1970 (Latest edition with amendments if any) as regards material, design manufacture and testing etc. Raw material to be used for the manufacture of .Clamps shall be Aluminium Alloy. All Ferrous metal parts shall be protected by hot dip galvanizing conforming to relevant Indian Standard Specification IS:2633 (Latest edition with amendments if any) and shall be tested according to tests laid down therein.. The material to be used for the manufacture of Clamps shall be such that it gives the required mechanical strength and durability in outdoor industrial environment with specified dimensions. The clamp body casting shall be having good finish, smooth, free from flaws & imperfections and other general defects.

20. **QUANTITY VARIATION:** The quantity to be ordered may undergo revision at the time of placement of orders.

21. **B.G. towards security deposit, 100% payment and performance guarantee:**

[i] For manufacturers situated Inside & out side the state of ODISHA.

A Composite Bank Guarantee as per the Proforma enclosed at **Annexure-V** of the specification 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, Cuttack 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.29.00 [Rupees twenty nine] only or as per the prevalent rules, valid for a period of 20 months from the last date of stipulated delivery period, 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.

[ii] No interest is payable on any kind of Bank Guarantee.

[iii] In case of non-fulfillment of contractual obligation, as required in the detailed purchase order/Specification, the composite Bank guarantee shall be forfeited.

22. **(A) Terms of Payment.**

(i) 100% value of each consignment with 100% Excise duty, Entry Tax, if any, and sales tax in full as applicable along with freight & Insurance charges 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-21 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) **Payment of Freight & Insurance charges and Entry Tax.**

Freight & Insurance Charges & Entry Tax, incorporated in the Purchase contract shall be paid after receipt of materials at stores/desired site in good condition and on production of authenticated documentary evidence, otherwise no Freight, Insurance charges & entry taxes shall be payable.

[B] 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.

23. Penalty for Delay in Completion of Contract

- I) If the Supplier fails to deliver the materials/equipments 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.
- II) If the Supplier fails to rectify /replace the equipment/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 equipment/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.

24. 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 awaiting for the settlement of their claims with the carriers and underwriters.

25. 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.

26. Certificate of Exemption from Excise Duty/Sales tax.

Offers with exemption from Excise duty including sales tax shall be accompanied with authenticated proof of such exemption. Authenticated proof for this clause shall mean attested Photostat copy of exemption certificate. Any claim towards Excise duty/ Sales Tax shall be paid on actual basis subject to production of authenticated documentary evidence.

27. 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 Tenderers. The Supplier(s) shall be responsible for any discrepancy noticed in the documents, submitted by them along with the bid(s)

28. EVALUATION.

(i) Evaluation of bids will be on the basis of the FOR DESTINATION PRICE (By Road Transport) including Excise Duty, sales Tax & other levies as may be applicable. The FORD PRICE shall consist of the following components

- a) Ex-works price.
- b) Packing & Forwarding charges.
- c) Freight
- d) Insurance.
- e) Excise Duty.
- f) Sales Tax.
- g) Other levies.

29. 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.

30. **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:-

- [i] **Purchaser:** General Manager EHT (O&M), Circle, OPTCL, Cuttack (Odisha)

Telephone No. 0671 - 2300226

FAX No.0671 - 2300547

- [ii] **Supplier:** Address

Telephone No.

Fax No.

31. **Outright Rejection of Tenders**

Tenders shall be out rightly rejected if the followings are not complied with.

- [i] The tenderer shall submit the bid in electronic mode only and shall submit the cost of tender document and Tender processing fee on or before the date and time of opening of the bid.
- [ii] The Tender shall not be submitted telegraphically or by FAX.
- [iii] The prescribed EMD shall be submitted on or before the date and time of opening of the bid.
- [iv] The Tender shall be kept valid for a minimum period of 180 days from the date of opening of tender.
- [v] The tenderer shall upload the scanned copy of latest type test certificates (for the tests, carried out on the tendered equipments, being offered). Such type tests should have been conducted within last five years from the date of opening of this tender in a Government approved laboratory/CPRI in presence of any Government Organisation's representative(s).
- [vi] 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.

[vii] 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.

PART-I
SECTION-III
[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 of Part-I	ANNEXURE-II
3	Abstract of price component [to accompany Part-II of this specification]	ANNEXURE-III
4	Schedule of prices to accompany Part-II	ANNEXURE-IV
5	Composite Bank Guarantee form for security deposit, payment and performance	ANNEXURE-V
6	Chart showing particulars of E.M.D.	ANNEXURE – VI

ANNEXURE - I
DECLARATION FORM

To
The General Manager (Elect:)
EHT O&M Circle, OPTCL, Cuttack

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 *cash/money order /D.D./ remitting the cost of tender, herewith and this has been acknowledged by your letter/ money 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-19 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 _____ 2013

Yours faithfully

Signature of the Tenderer
with seal of the company

[This form should be dully filled in by the tenderer 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 PART-I

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.	
1(c)	Tender Processing Fee: D.D No. & Date.	
2	Manufacturer's supply experience including user's certificate furnished or not.[As per clause No.16 of Section-II.]	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. [As per clause-14 of Section-II]	Yes/No
5	Whether agreeable to furnish Composite B.G. in case his tender be successful [As per clause-21 of Section-II]	Yes/No
6.	Terms of payment:- Whether agreeable to OPTCL's terms or not [As per clause-22 of Section-II]	Yes/No.
7.	Nature of price:- FIRM	Yes/No
8.	Penalty:- Whether agreeable to OPTCL's terms or not (As per clause-23 of Section-II)	Yes/No
9.	Validity: - Whether agreeable to OPTCL's terms or not [As per clause-7 of Section-I]	Yes/No
10.	Whether recent type test certificates from any Government approved laboratory are furnished or not. [As per clause-16] of section-II]	Yes/No
11.	Whether materials are ISI/ISO marked.	Yes/No
12.	Manufacturer's name and it's trademark.	Yes/No
13.	Whether registered under ODISHA Sales Tax Act. 1947	Yes/No
18.	Whether declaration form duly filled in furnished or not.	Yes/No.

Place: -

Date: -

Signature of the Tenderer
with seal of the company

ANNEXURE-III

ABSTRACT OF PRICE COMPONENT [TO ACCOMPANY PRICEBID]

1	Price basis	F.O.R. Purchaser's destination Stores/sites.
2	Packing & forwarding	
3	Rate of Insurance charges	
4	Rate of Freight charges	
5	Rate of excise duty	
6	Rate of sales Tax	
7	Rate of other taxes/levies /duties etc.	
8	Rate of entry tax.	
9	Nature of price.	
10	Whether MODVAT benefit if any, has been fully passed on to the purchaser.	Yes / No.

Place

Date:

Signature of Tenderer

With seal of company

NB:- Abstract of price component shall be done for equipment/material offered, for testing & commissioning charges, if any. All the above prices will be taken during bid price evaluation.

ANNEXURE-IV.

SCHEDULE OF PRICES TENDER SPECIFICATION No.8/2014-15

Item No.	Description.	Qty (unit)	Unit Ex-factory Price.	Unit Packing & Forwarding.	Unit Freight Charges.	Unit Insurance Charges.	Unit landing cost at destination store/site excluding ST,ED & Entry tax.
1.	2.	3.	4.	5.	6.	7.	8.

Unit E.D.	Unit S.T.	Unit Entry Tax.	Unit landing Cost including All taxes & Duties.	Total landing cost Including all taxes & duties.
9.	10.	11.	12= (8+9+10+11)	13= (3X12)

Signature of Tenderer

Name, Designation and Seal

NB: -

1. The tenderer should fill up the schedule properly and in full. The tender will be rejected, if the schedule of price is submitted in incomplete form. No post tender correspondence will be entertained on break-up of prices. Also, the supplier should agree for delivery at sub-station site.
2. In case, where F&I components are not specifically indicated in this schedule, 5% of the ex-works price shall be taken towards F&I components for the purpose of comparison of price.
3. The Tenderer shall certify in the price bid that MODVAT benefit, if any, has been fully passed on to the purchaser while quoting the tender price.

4. Conditional offers will not be acceptable.
5. The bidder is to clearly indicate the period up to which the tax holidays are available to them.
6. Price bid in any other format will not be acceptable and the offer will be rejected.
7. Test charges (Routine/type) if any, mandatory spares, if any, maintenance equipment charges, if any, as per Technical Specification, supervisory charges, if any, (in case of equipments by taking 30 Man days) shall be indicated separately, row-wise.
8. All the above charges will be taken into account, during bid price evaluation.

ANNEXURE-V

PROFORMA FOR BANK GUARANTEE FORM FOR EARNEST MONEY DEPOSIT

Ref

Date

Bank Guarantee No:

1. In accordance with invitation to Bid No. _____ Dated _____ of ODISHA POWER TRANSMISSION CORPORATION LTD. [OPTCL][herein after referred to as the OPTCL for the purchase of _____ Messers _____ Address _____

_____ wish/wished to participate in the said tender and as a Bank Guarantee for the sum of Rs. _____ [Rupees _____

Valid for a period of 240 days [Two hundred forty days] is required to be submitted by the _____ Tenderer. We _____ the _____

[Indicate the Name of the Bank]

[Hereinafter referred to as 'the Bank'] at the request of M/S _____

[Herein after referred to as supplier (s)] do hereby unequivocally and unconditionally guarantee and undertake to pay during the above said period, on written request by the General Manager(Elect) ,EHT O&M Circle, OPTCL, Cuttack an amount not exceeding Rs. _____ to the OPTCL, without any reservation.

The guarantee would remain valid up to 4.00 PM of _____

[date] and if any further extension to this is required, the same will be extended on receiving instructions from the _____ on whose behalf this guarantee has been issued.

2. We the _____ do hereby, further undertake
[Indicate the name of the bank]

to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the OPTCL stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the OPTCL by reason of any breach by the said supplier [s] of any of the terms or conditions or failure to perform the said Bid . 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._____

3. We undertake to pay the OPTCL any money so demanded notwithstanding any dispute or disputes so 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 supplier(s) shall have no claim against us for making such payment.

4. We, the _____ further agree that the guarantee
[Indicate the Name of the Bank]

herein contained shall remain in full force and effect during the aforesaid period of 240 days [two hundred forty days] and it shall continue to be so enforceable till all the dues of the OPTCL under or by virtue of the said Bid have been fully paid and its claims satisfied or discharged or till Managing Director, ODISHA POWER TRANSMISSION CORPORATION LTD. certifies that the terms and conditions of the said Bid have been fully and properly carried out by the said Supplier [s] and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the _____

we shall be discharged from all liability under this guarantee thereafter.

5. We, the _____ further agree with the OPTCL that

[Indicate the name of the Bank]

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 Bid or to extend time of performance by the said Supplier [s] from time to time or to postpone for any time or from time to time any of the powers exercisable by the OPTCL against the said supplier [s] and to forbear or enforce any of the terms and conditions relating to the said bid .

Further it is to state that we shall not be relieved from our liability by reason of any such variation, postponement or extension being granted to the said Supplier [s] or for any forbearance act or omission on the part of the OPTCL or any indulgence by the OPTCL to the said Supplier[s] or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, 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 or the supplier [s].

7. We, _____ lastly undertake not revoke this
[Indicate the name of the Bank]

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 irrevocable at our place of business at Bhubaneswar (indicate the name of the branch)in the state of ODISHA.

Notwithstanding any thing contained here in.

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 there of under this bank guarantee only & only if you serve upon us at -----branch at Bhubaneswar a written claim or demand on or before dt.-----.

Dated _____ Day of _____

For _____

[Indicate the name of Bank]

Witness ((Signature, names & address)

1.

2.

ANNEXURE-V

PROFORMA FOR COMPOSITE BANK GUARANTEE FOR SECURITY DEPOSIT
PAYMENT AND PERFORMANCE

This Guarantee Bond is executed this _____ day
of _____ 2012 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 Supplier”] which shall include its successors & assigns for supply of materials.

AND WHERE AS the supplier has agreed to supply materials to the OPTCL in terms of the said agreement AND

WHEREAS the OPTCL has agreed [1] to exempt the supplier from making payment of Security [2] to release 100% payment of the cost of materials as per the said agreement and [3] to exempt from performance guarantee on furnishing by the Supplier to the 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 Supplier from making payment of Security [2] releasing 100% payment to the Supplier 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 Supplier [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 supplier'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 supplier [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 Supplier [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 **Managing Director**, ODISHA POWER TRANSMISSION CORPORATION LTD. certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said Supplier [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 Supplier [s] and we shall not be relieved from our liability by reason of any such variations or extension being granted to the said supplier [s] or for any forbearance, act or omission on the part of the OPTCL or any indulgence by the OPTCL to the said Supplier [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 supplier [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 irrevocable at our place of business at Bhubaneswar (indicate the name of the branch)in the state of ODISHA.

Not with standing any thing 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 Bhubaneswar a written claim or demand on or before dt.-----.

Dated _____ Day of _____

For _____

[Indicate the name of Bank]

Witness ((Signature, names & address)

1.

2.

ANNEXURE-VI

CHART SHOWING PARTICULARS OF EARNEST MONEY DEPOSIT FURNISHABLE BY
TENDERERS

1.	Central and State Government Undertakings	Exempted
2.	All other inside & outside state units.	The amount of EMD as specified in the specification /Tender Notice in shape of bank guarantee /DD.

NB: - REFUND OF E.M.D.

[a] In case of unsuccessful tenderers, the EMD will be refunded immediately after the tender is decided. In case of successful tenderer, this will be

refunded only after furnishing of Composite Bank Guarantee referred to in clause No.21 of Section-II of this specification.

Suits, if any, arising out of EMD shall be filed in a court of law to which the jurisdiction of High Court of ODISHA extends.

- [b] Earnest Money will be forfeited if the tenderer fails to accept the letter of intent/purchase order, issued in his favour or revises the bid price[s] within the validity period of Bid.

PART-I(SECTION-IV)
TECHNICAL SPECIFICATION
OF THE CLAMPS SUITABLE FOR POWER CONDUCTOR
(ACSR PANTHER,ACSR ZEBRA, ACSR MOOSE)

1.0 SCOPE:

This specification covers the design, manufacture, assembly, inspection, testing, packing and delivery of clamps & connectors (fittings), suitable for “MOOSE” Conductor (54/7/3.53 mm) or “Zebra” Conductor(54/7/3.18),”Panther” Conductor (30+7/3.00 mm). The same are required for out door utilization in EHT lines and sub stations. 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. Fittings shall conform in all respect to the highest standard of engineering, design, and workmanship and shall be capable of performing trouble free continuous operation. No part of a clamp shall be less than **12 mm thick** for fittings suitable up to size of ACSR Panther conductor, No part of a clamp shall be less than **15 mm thick** for fittings suitable for ACSR Zebra conductor and ACSR Moose conductor. For bimetallic connectors, copper alloy liner of minimum thickness **of 2 mm** shall be cast integral with aluminium body.

2.0 CLIMATIC CONDITIONS:

The overall climate is moderate hot, humid, tropical, highly polluted and conducive to rust and fungus growth. The clamps/connector 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 switchyards and EHT lines of Odisha State.

3.0 SYSTEM PARTICULARS:

3.1 Nominal System Voltage : **220 KV 132 KV**

3.2 Highest System Voltage. : **245 KV 145 KV**

3.3 Short circuit level for 3 sec : **40 KA**

3.4 Frequency : 50 Hz. 50 Hz.

3.5 Basic insulation level : **650 KVP**

3.6 Number of phases : 3

3.7 System earthing : Effectively earthed.

3.8 Conductor temperature range : Minimum – 3.5°C Maximum- 64.5°C

3.9 Withstand load for minimum one Minute duration (Minimum 1.2 KN as per IS)

4.0 STANDARD:

4.1 Design, manufacture, performance of the clamps/connectors shall comply with all currently applicable standards, regulations and safety codes in the locality where the same will be installed. Unless otherwise specified it should conform to the latest applicable Indian Standards and in particular to the following:

IS :2121 : Fittings for aluminum and steel

covered aluminum conductors for overhead power lines. IS:5561 : Electrical power connectors. IS:731 – 1971 : Method of high voltage testing.IEC:437 –1973 IS – 2629 : Methods of galvanizing. IS -2633.

4.2 Materials conforming to any other national standards which ensure equal or better services shall be acceptable. The salient point of this Specification and point of difference between these in the above specification shall be clearly brought in the offer.

4.3 If required, modifications shall have to be incorporated for the items ordered with you without any extra cost to the Board. The temperature rise when carrying full load current shall not exceed 45°C above site ambient temperature of 40°C. The rated current for which the clamp connectors are designed with respect to the specified ambient temperature shall be marked on each component of clamps and connectors.

5.0 INTERCHANGEABILITY:

All fittings shall be of standard design and made to gauge or jig and shall be interchangeable in all respects with similar items. name and address.

6.Characterstics as per IS398 Part II/1976

ACSR Zebra 54+7/3.18

Area-428.9 Sq.mm

Outer Diameter-28.62

Weight in Kg-1620

Brkd in Kg13466.4

ACSR MOOSE 54+7/3.53

Area-528.5 Sq.mm

Outer Diameter-31.77 mm

Weight in Kg-1996.2

Brkd in –16593.9

ACSR Panther 30+7/3.00

Area-212.1 Sq.mm

Outer Diameter mm-21 mm

Weight in Kg-973.1

Brkd in Kg-9241.9

7.GUARANTEED TECHNICAL PARTICULARS TO BE FURNISHED BY THE BIDDER

- a) Name of Manufacturer.
- b) Trade Mark of Manufacturer.
- c) Place of Manufacture.
- d) Standard to which the P.G. Clamps will conform.
- e) Dimensions
 - (Diameter of bolt) mm
 - (Length of bolt) mm
- f) Type/ Grade of Aluminum Alloy.
- g) Chemical Composition of Aluminum alloy used.
- h) Weight of
 - i) Aluminum Alloy gm
 - ii) Steel Parts gm
 - iii) Total Weight gm
- i) Material for
 - i) Bolts & nuts
 - ii) Plain washers
 - iii) Spring Washers
- j) Withstand load for minimum one Minute duration (Minimum 1.2 KN as per IS:2121 Part-4).
- k)Galvanizing for Steel parts
 - i) Wt. of zinc/ mtr² for Bolts & nuts.
 - ii) No. of dips of one minute duration that nuts and bolts will withstand.
- l) Whether galvanizing conforms to IS:2633 (Latest edition with amendments if any)
- m) Current carrying capacity:
 - i) clamps for moose conductor
 - ii) clamps for zebra conductor
 - iii) clamps for panther conductor

- n) Temperature range:
 - i) Maximum
 - ii) Minimum
- m) Packing details.
- n) Any other Particulars.

- NOTE: 1. The above information must accompany the tender .
2. A tolerance of +5% and -2% on dimensions of Clamp shall be applicable.
3. A tolerance of -2% on weight of Clamp shall be applicable.

Signature of the Bidder: _____

Name: _____

Designation: _____

Date: _____

Stamp / seal of the bidder: _____

