



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

(A Government of Odisha Undertaking)

CIN – U40102OR2004SGC007553

REGD. OFFICE: JANPATH, BHUBANESWAR – 751022,
OFFICE OF THE GENERAL MANAGER (Electrical)
EHT (O&M) Circle, Cuttack.

At: Madhusudan Nagar, P.O: Tulsipur, Cuttack-753008.

[E-mail- ehmt.cle.ctc@optcl.co.in](mailto:ehm.cle.ctc@optcl.co.in)

TENDER SPECIFICATION NO- EHTM/GM/ETCN/03/CTC/2022-23

**SUPPLY OF HARDWARE FITTINGS AND ALUMINIUM CLAMPS & CONNECTORS
WITH STAINLESS STEEL NUTS & BOLTS FOR BUS AUGMENTATION WORK AT
220/132/33kV GRID SUB-STATION CUTTACK**

PART-I

SECTION-I- INSTRUCTION TO TENDERERS

SECTION-II- GENERAL TERMS & CONDITIONS OF CONTRACT

SECTION-III- SCHEDULE OF QUANTITY

SECTION-IV- TECHNICAL SPECIFICATION AND OTHER DATASHEETS.

SECTION-V - LIST OF ANNEXURES

PART-II

PRICE BID & TECHNO COMMERCIAL BID (IN EXCEL FORMAT)

Request for online tender documents:	From dt: 14.10.2022 (10.30 Hrs)
	To dt: 27.10.2022 (12.30 Hrs)
Issue of online tender documents (bid sheets):	From dt: 14.10.2022 (10:31 Hrs)
	To dt: 27.10.2022 (12:31 Hrs)
Last date of submission of online tender:	Up to dt: 27.10.2022 (17:30 Hrs)
Date of opening of Techno-commercial bid:	On dt: 28.10.2022 (16:30 Hrs Onwards)
Date of opening of Price Bid:	To be intimated after finalization of Techno-commercial bid and Sample Scrutiny.

TELEPHONES / CONTACTS

1. General Manager: 9438907315
2. Technical Section: 9438907174 / 9438908454
3. Office Land Line: 0671-2970226
4. Office Address: OFFICE OF THE GENERAL MANAGER (Elect)
EHT (O&M) Circle, Cuttack.
At: - Madhusudan Nagar, P.O:- Tulsipur,
Odisha -753008.
E-mail - ehtm.cle.ctc@optcl.co.in

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 before time** for participation in the tender and no request for extension on this account will be entertained.

Manual tenders in any form/case will not be accepted



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ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of Odisha Undertaking)

CIN – U40102OR2004SGC007553

REGD. OFFICE: JANPATH, BHUBANESWAR – 751 022,

OFFICE OF THE GENERAL MANAGER (Electrical)

EHT (O&M) Circle, Cuttack

At: Madhusudan Nagar, P.O: Tulsipur, Cuttack - 753008.

Tel- 0671-2970226, E-mail-ehm.cle.ctc@optcl.co.in

E-TENDER NOTICE NO: ETCN/03/CTC/2022-23

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/ Distributors/ OPTCL registered Vendors fulfilling the eligibility criteria of possessing valid I.T. Pan Card/ GST registration & clearance certificates, valid Authorization / Dealership Certificate etc. in two part bidding system for **SUPPLY OF HARDWARE FITTINGS AND ALUMINIUM CLAMPS & CONNECTORS WITH STAINLESS STEEL NUTS & BOLTS FOR BUS AUGMENTATION WORK AT 220/132/33kV GRID SUB-STATION CUTTACK.**

The interested bidders would be required to enroll themselves on the tender portal www.tenderwizard.com/OPTCL and must possess Class 3 Digital Signature Certificate. Complete set of bidding documents are available at www.tenderwizard.com/OPTCL from **14.10.2022 (10.01 Hrs) up to 27.10.2022 (12.31 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.

Sd/-

GENERAL MANAGER

EHT (O&M) CIRCLE, CUTTACK



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ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of Odisha Undertaking)

CIN – U40102OR2004SGC007553

REGD. OFFICE: JANPATH, BHUBANESWAR – 751 022,

OFFICE OF THE GENERAL MANAGER (Electrical)

EHT (O&M) Circle, Cuttack

At: Madhusudan Nagar, P.O: Tulsipur, Cuttack - 753008.

Tel- 0671-2970226, E-mail-ehm.cle.ctc@optcl.co.in

NOTICE INVITING TENDER

E-TENDER NOTICE NO: ETCN/03/CTC/2022-23

For and on behalf of the **ODISHA POWER TRANSMISSION CORPORATION LTD.**, the undersigned invites bids from recognized, registered, well established and financially sound bidders under **two-part bidding** system in **e-tendering mode** only for “*Supply of Hardware Fittings and Aluminium Clamps & Connectors with Stainless Steel Nuts & Bolts for Bus Augmentation work at 220/132/33kV Grid Sub-Station Cuttack*” as per the following details:

II) Tender Specification No:

EHTM/GM/ETCN/03/CTC/2022-23

III) **Important dates**

Request for online tender documents:

From: dt: 14.10.2022 (10.30 Hrs)

To: dt: 27.10.2022 (12.30 Hrs)

Issue of online tender documents:

From: dt: 14.10.2022 (10:31 Hrs)

To: dt: 27.10.2022 (12.31 Hrs)

Last date of submission of online tender:

Up to: dt: 27.10.2022 (17.30 Hrs)

Date of opening of Techno-commercial Bid:

On: dt: 28.10.2022 (16.30 Hrs Onwards)

Date of opening of Price Bid:

To be intimated after finalization of Techno-commercial bid and Sample Scrutiny.

IV) Estimated Value of work:

Rs 21,33,400/- (Inclusive of GST @ 18%)

V) Cost of Tender Specification Document:

Rs 7,080/- (Incl. GST@18%)

VI) Earnest Money Deposit:

NIL

VII) Tender Processing Fees:

Rs 2,517/-

(Base: Rs 2,133/- + GST@18%: Rs.384/-)

VIII) ELIGIBILITY FOR SUBMISSION OF BIDS:- The Bidder should be fulfilling the following minimum eligibility criteria and must also submit documentary evidence in support of fulfillment of these criteria while submitting the Bid. Claim without documentary evidence will not be considered. The eligibility criteria and documentary evidence required are as follows:

Technical Criteria		
	Description of Criteria	Required Supporting Document
1.	<p>I. The bidding firm should have experience of having successfully undertaken similar nature of supply work.</p> <p>II. Similar nature of work shall mean “Supply of hardware fittings and aluminium clamps & connectors etc. for utilization in EHT Transmission Lines & and Grid S/Ss”</p> <p>III. In case of manufacturers, shall have to provide certificate for manufacturing experience of minimum 3 years for manufacture of 132kV and 33kV items</p>	<p>(A) Copy of supporting purchase order, experience certificates, completion certificate as applicable by the authorized signatory of the organization for which experience certificate is being submitted and duly filled Data sheet as per Form T4.</p> <p>(B) The bidders shall upload the scanned copy of legibly written user’s certificate to prove the satisfactory operation of the offered equipment / materials for a minimum period of 2 (two) years from the date of commissioning / use.</p>
2.	<p>I. In case Bidders are Manufacturers, then they should possess valid Certificate of Registration / Incorporation, Certificate for Commencement of Business (If applicable)</p> <p>II. In case Bidders are Odisha based micro, small enterprises (MSME), and start-up enterprises registered under District Industries Centres of Odisha, OSIC and/or NSIC</p> <p>III. In case Bidders are Experienced Suppliers/ Authorized Dealers / Distributors/ OPTCL Registered Vendors then they should possess valid Authorization certificate / Dealership Certificate.</p>	<p>I. (A) Valid Proof of Certification issued by respective departments of Govt. of India such as Ministry of Corporate Affairs; Registrar of Companies etc. (B) The bidder should indicate manufacturing capacity by submitting latest updated certificate of a Chartered Engineer (CE) (C) The bidder shall submit Quality Assurance Plan (Refer Sl. No 27, Part 1, Section IV) for manufacturing process along with the technical bid</p> <p>II. (A) Valid UDYAM Registration certificate registered under District Industries Centres of Odisha. The manufacturing of clamps, connectors, hardware fittings and other electrical components should be detailed under National Industry Classification Code in the UDYAM registration certificate (B) Valid NSIC registration Certificate having clamps, connectors, hardware fittings and other electrical components details under “Store Details certificate”</p>

		<p>under NSIC registration.</p> <p>III.(A) Valid Authorization / Dealership Certificate from Manufacturer</p> <p>(B) The bidder should submit proof regarding capacity of the manufacturing unit such as latest updated certificate of a Chartered Engineer (CE)</p> <p>(C) The bidder shall submit Quality Assurance Plan (Refer Part 1, Sl. No 27Section IV) for the manufacturing process along with the technical bid</p>
3.	Bidder should be registered with the income Tax, Goods and Services Tax	Copies of PAN, GSTIN. The bidder must submit IT Returns of the last 3 (Three) years.
4.	Bidder must not be under any declaration of ineligibility by any authority and should not be blacklisted with any of the government department/office and has no criminal case pending in any court of law as on date of proposal.	To be filled in non-judicial stamp paper of worth Rs.50/- and to be Notarized and submitted by the bidder.
5.	Bidders not having any legal suit against OPTCL / GRIDCO Ltd / SLDC are only eligible for submission of Bids. Participation in the tender by suppression of the above facts shall invite penal action, whenever detected.	Bid must be accompanied with declaration to this effect on letterhead of the bidders.
<u>Financial Criteria</u>		
1.	The Bidder must have their own Bank Account	Attested supporting Documents
2.	The Bidder must be a regular IT return Filer.	Duly attested supporting documents such as Copy of IT Returns Acknowledgement.
3.	The Bidder's Minimum Average Annual financial turnover during the last 3 (Three) consecutive financial years, ending 31/03/2022 shall not be less than 30% of the estimated cost i.e. Rs.6.40 lakhs	Duly attested copy from the statutory auditor / chartered accountant has to be provided certifying Organizations turn over during last three financial years in Form – T6. Attested audited Balance Sheet & P/L A/C for the last three financial years (2018-19, 2019-20 & 2020-21, 2020-22 (If Audited)) shall be furnished as proof.
4.	The Bidder must provide their Bank Details along with IFS Code, Branch Code, RTGS details	Self-attested supporting Documents.
5.	The Bidder must duly authorize their signatory.	Power of attorney / authorizations must be enclosed along with the tender and duly

		filled Data sheet as per Form T3
6.	The track record of the bidders should be clean and it should not have any involvement in illegal activities or financial frauds.	Bid must be accompanied with declaration to this effect on letterhead of the bidders.
7.	The bidding firm should not be having any outstanding dues to be paid to OPTCL.	Bid must be accompanied with declaration to this effect on letterhead of the bidders.

N.B: While every effort has been made to provide comprehensive and accurate background information, and requirements, Bidders must form their own conclusions about the provisions needed to meet OPTCL’s requirements. Bidders and participants to this tender may consult their own legal advisers in relation to this tender before submission of Tender.

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.7080/- (Rupees Seven thousand and eighty only) non-refundable including GST @ 18%** towards the cost of tender document, in the form of **Demand draft** only, drawn in favour of **EHT (O&M) Circle, OPTCL, 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.

In case of the bidders from **Odisha based micro, small enterprises (MSMEs), and start-up enterprises registered under District Industries Centres of Odisha, OSIC and/or NSIC, the tender paper shall be provided free of cost**, provided the valid MSME UDYAM and NSIC Registration certificate as per “*Required Proof of Documents under Technical eligibility criteria 2.II*” are submitted, failing which the tender shall be rejected.

The bidders shall have to submit a non refundable amount of Rs 2,517/- (Rupees two thousand five hundred and seventeen only) towards the tender processing fee through e-payment gate way.

(NOTE: For deposit of tender processing fee to K.S.E.D.C. Ltd. Bangalore, the bidder can use various modes of e-payment facility available through Tender wizard Portal, i.e. by Credit Card, Debit Card and Net Banking)

The payment acknowledgement slip should be submitted along with the Demand Drafts of the Tender cost at the office of the undersigned on or before the last date & time of submission of tender.

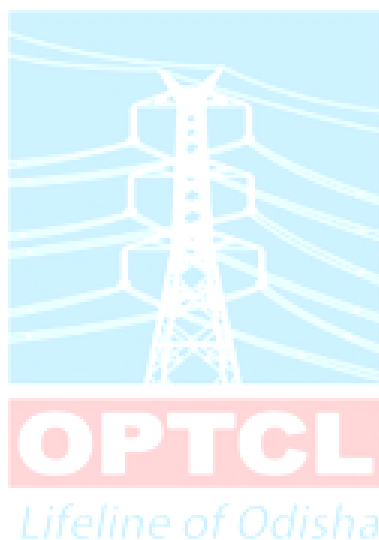
The bidders shall scan the Demand Draft towards EMD, Tender paper Cost and acknowledgement slip for tender processing fee and upload the same in the prescribed form in **.gif** or **.jpg** format in addition to sending the original as stated above.

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.

Sd/-

GENERAL MANAGER (Elec)
EHT (O&M) CIRCLE, CUTTACK



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.

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 GST.

1. For all the users it is mandatory to procure the Class 3 Digital Signatures.

2. Manufacturers/ Dealers/ 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. 2360/-** through **E-payment gateway**.
- c. This registration is valid for one year.
- d. Send the acknowledgment copy for verification.
- e. 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.
 - Select the Certificate and enter DSC Password.
 - 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 TERMS & CONDITIONS OF CONTRACT
- SECTION-III- SCHEDULE OF QUANTITY
- SECTION-IV- TECHNICAL SPECIFICATION AND OTHER DATASHEETS
- SECTION-V- LIST OF ANNEXURES

Part-II Consists of

- 1) PRICEBID & TECHNO COMMERCIAL BID (In excel sheet Format)

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. Bid Security Declaration Form against EMD

Tenderers are not required to submit any earnest money (EMD) / Bid Security towards participation in the tender. However the tenderer is required to submit the **Bid Security Declaration** in their firm's letter pad, as per **Annexure-13, Section V** of this tender document **in lieu of the Earnest Money (EMD)**.

If the tenderer withdraws or modifies the bid/s during the tender validity period or fails to execute formal contract agreement within the given timeline or commit any breach of Tender Conditions/ Contract which attracts penal action of forfeiture of EMD, then the firm will be suspended from bidding/ award of all future contract(s) of EHT (O&M) Circle, OPTCL, Cuttack for a period of **12 months** from the date of committing such a breach.

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 rates as per the price schedule of this specification (to be downloaded separately along with techno-commercial bids from e-tender portal) and shall remain firm inclusive of all taxes & duties etc. within the validity of the tender.

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. e-Reverse Auction process shall be resorted to in the tender as follows:

a. STRATEGY FOR E-REVERSE AUCTION

- (i) Bidders are required to go through the guide lines given below and submit their acceptance to the same.

- (ii) e-Reverse Auction (RA) will be conducted in e-tender portal of OPTCL on specified date and time, while bidders shall quote from their own offices/places of their choice. Internet connectivity shall be ensured by the respective agencies/bidders themselves.
- (iii) Demonstration/ training (if not trained earlier) of bidder's nominated person(s), shall be done by KEONICS to explain all the rules related to e-Reverse Auction/ Business Rule document to be adopted

b. Procedure for electronic Reverse Auctioning (e-RA)

- i. The e-RA shall be conducted on www.tenderwizard.com/OPTCL only.
- ii. Bidder has to submit letter towards agreement to the Process related Terms & Conditions for e-Reverse Auction, as per (Reverse Auction Process Compliance Form at **Annexure-14, Section-V**). In non-receipt of the same, vendors will not be allowed to participate in e-RA.
- iii. e-RA shall be carried out after opening of Price bids and completion of Price bid evaluation, which will be intimated only to the techno-commercially qualified bidders by OPTCL as per procedure given below.

Prior intimation/ Notice for RA invitation will be given to techno-commercially qualified bidders regarding the date & time of opening of the e-RA.

The start bid price (SBP) for e-Reverse Auction of each bidder under a particular package shall be the L1 evaluated price for the subject package including Taxes & Duties for the total scope for subject Package. Taking the above discovered L1 price as the upper limit e-RA will be conducted to determine the lowest possible price.

Reverse Auction will be conducted amongst first 50% of the technically qualified bidders arranged in order of prices from lowest to highest, as L1, L2, L3-----Ln, and L1 price will be discovered. Minimum of 3 bidders shall be eligible for e RA. (eg. If 4 bidders are financially evaluated then the L1, L2 and L3 bidders shall be eligible for e-RA). Number of bidders eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L1 to L4).

However, in case only two bidders are found to be responsive, e-RA would be carried out with both the parties without any elimination. However, OPTCL reserves the right to invite the evaluated L1 bidder for negotiation without conducting the e-RA.

In case of price submitted by any bidder is found to be abnormal, OPTCL reserves the right to reject the bid of the bidder(s).

Rank of bidders would be displayed as per the total cost to OPTCL, i.e. including Taxes and Duties payable by OPTCL as per the provisions of the bidding document & after e-RA process is over.

- iv. OPTCL reserves the right to conduct e-RA and it is obligatory on part of bidder(s) invited to participate in e-RA process once they have responded to the techno-commercial bid.
- v. Names of bidders/ vendors shall not be disclosed during the e-RA process. Names of bidders/ vendors shall be anonymously masked in the e-RA process.
- vi. In case of RA, start/ reference price and step value of decrement shall be indicated to the bidders at the start of the auction. Any participating bidder can bid one or multiple step decrement lower than the prevailing lowest bid at that time. The Bidder shall be able to view Bid Start Price, Bid Decrement Value, Prevailing Lowest Bid value, last Bid Placed by him and time left for bidding.
- vii. The step value of decrement in a package to be offered by bidder (the minimum amount of reduction in the total bid price including all taxes & duties during auction), shall be kept at 0.15% of L1 bidder's final evaluated price (or) at approved amount as decided by OPTCL.
- viii. Bidders can only quote any value lower than their previous quoted price. However, at no stage, increase in Price will be permissible.
- ix. At any point during Reverse Auction, bidding price field shall remain enabled for the bidders. The total reverse auction period shall be unlimited and the initial auction period (1st slot) will be of thirty (30) minutes with provision of auto extension by ten (10) minutes from the schedule/extended closing time. If any fresh lower bid is received in last ten minutes of auction period or extended auction period, the auction shall get extended automatically for another 10 minutes. In case there is no Bid received during schedule / extended slot, the Auction shall get closed automatically without further extension.
- x. However, bidders are advised not to wait till the last minute or last few seconds to enter their bid during the period of e-reverse auction to avoid complication related with internet connectivity, network problem, system crash down, power failure etc.
- xi. After conclusion of e-Reverse Auction i.e (Closing Price in Reverse Auction will be taken as offered price by the L1 bidder), decrease in price of individual head of the template shall be considered proportionately on all individual line items of the respective head of the price schedule of the successful L1 bidder.
- xii. Any bid received at the tender wizard server end subsequent to closure of the e-RA shall be summarily rejected and shall not be considered as a valid bid under whatsoever circumstances. For this purpose, tender wizard server log shall prevail.
- xiii. The bidder shall not involve himself or any of his representatives in price manipulation of any kind directly or indirectly by communicating with other bidders.

- xiv. During Reverse Auction, If no bid is received within the specified time, OPTCL, at its discretion, may decide to close the reverse auction process/ proceed with conventional mode of tendering.
- xv. Consequent upon completion of e-Reverse Auction, OPTCL's decision on award of contract shall be final and binding on the bidders.
- xvi. OPTCL shall be at liberty to call the L1 bidder for further process/ negotiation and also at liberty to cancel the e-reverse auction process/ re-tender at any time, without assigning any reason thereof. OPTCL can decide to reschedule or cancel any reverse auction: the bidders shall be informed accordingly.
- xvii. OPTCL/ Service Provider shall not have any liability to bidders for any interruption or delay in access to the e-Tender site/ Reverse Auction link irrespective of the cause.

11. Documents to Accompany Bids.

Tenderers are required to submit tenders in the following manner:

- a) Declaration Form as per Annexure-1 (duly signed) to be uploaded in *.pdf format.
- b) Bid Security Declaration Form (scanned copy is to be uploaded).
- c) Abstract of Terms & conditions in prescribed proforma as per Annexure-2. To be keyed in the bid sheets provided.
- d) General Terms & Conditions of contract as per Section-II of the Specification. (All the required documents are to be uploaded)
- e) Data on past experience if any as per the Specification. (Scanned copy to be uploaded).
- f) Proof of Manufacturer, Experienced Supplier, Authorized dealer, Distributor, OPTCL registered Vendors along with GST Registration and Clearance certificate. Permanent account number [PAN] of the firm is required under Income tax Act. (Scanned copy to be uploaded).
- g) **Notarized Undertaking as per Annexure-4** regarding declaration by the bidder towards ineligibility by any authority and blacklisting of the firm by any government department/office.
- h) Duly attested copy from the statutory auditor / chartered accountant has to be provided certifying Organizations turnover during last three (3) financial years in Form – T6. Attested audited Balance Sheet & P/L A/C for the last three (3) financial years (2018-19, 2019-20, 2020-21 & 2021-22 (If Audited)) shall be furnished as proof for ascertaining Minimum Annual Average Turnover (MAAT).
- i) Power of attorney (if any) / authorizations must be enclosed along with the tender and duly filled Data sheet as per Form T3
- j) Submission of declaration on letterhead of the bidder regarding the firm having no legal dispute with OPTCL.

- k) Self-attested supporting Documents regarding their Bank Details.
- l) Submission of declaration in the letterhead of the bidder that the track record of the bidder / firm is clean and it does not have any involvement in illegal activities or financial frauds.
- m) Submission of declaration that the bidder does not have any outstanding dues to be paid to OPTCL on letterhead of the bidders
- n) Duly attested supporting documents such as Copy of IT Returns Acknowledgement
- o) Duly filled Schedule of prices and commercial details in the prescribed proforma provided in *.xls format.
- p) Any other document if required as per this tender specification is also to be uploaded.

12. Conditional Offer:

Conditional offer shall not be accepted.

13. General Instruction to the Tenderers : -

- i) The tenderer must get him registered in tender portal by paying an amount of **Rs. 2360/- through e-payment gate way**. This registration is valid for one year.
- ii) The tender paper cost (Form fee non refundable) for an amount of **Rs 7080/- to be deposited in shape of DD**.
- iii) The tender processing fee for an amount of **Rs 2517/-(Non-refundable) is to be paid to KSEDC Limited, Bangalore through e-payment gateway**.
- iv) 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.
- v) Notice inviting tender shall form part of this specification.
- vi) It should be distinctly understood that the price bid and techno-commercial bid shall contain only details / documents relating to price and technical details, as mentioned herein above.
- vii) **The Tenderer must submit the Bid Security Declaration Form (Duly filled), cost of tender document in shape of DD and proof of Tender processing fee in a sealed cover envelope super scribing the Tender Notice No & Date of opening of tender. 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.**
- viii) **Bidder should visit the site before quoting rates for tender participation. The estimated quantity is indicated in this tender document for reference. The tenderers are advised to visit the site; assess the quantum of work involvement and make themselves acquainted with the site conditions before submission of tender.**

14. SPECIAL INSTRUCTIONS TO BIDDERS

Please read following instructions carefully before submitting your bid.

- A. All the drawings, i.e. elevation, side view, plan, cross sectional view etc., in AutoCAD format and manuals in PDF format, for offered items shall be submitted. Also the hard copies as per specification shall be submitted.
- B. The bidder shall submit Quality Assurance Plan (Refer Sl. No 27Part 1, Section IV) for manufacturing process along with the technical bid.
- C. The bidder shall submit the required type test reports of **at least two samples**, identical in all essential details with those to be supplied, as per the **Schedule of Quantity/ Section III**. In absence of this, the evaluation shall be carried out accordingly as non-submission of type test reports. Refer **Clause 7(C), Section II, Part I**.
- D. The bidder must fill up all the point of GTP for offered item/s. Instead of indicating “**refer drawing, or as per IS/IEC**”, the exact value/s must be filled in.
- E. All the points other than the GTP, which are asked to conform to the technical specifications, must be submitted separately with the bid.
- F. *Please note that the evaluation will be carried out on the strength of content of bid only.*
- G. The bidder shall bring out all the technical deviation/s only at the specified annexure.
- H. The bidder should submit proof regarding the manufacturing capacity such as the latest updated certificate of a Chartered Engineer (CE).

Sd/-

GENERAL MANAGER (Elec)
EHT (O&M) CIRCLE, CUTTACK

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 Pressure Die Cast, high strength, heat treated 4600 grade [Old Nomenclature: A6 (M – Tempering)] Aluminum Alloy clamps, connectors and hardware fittings (suitable for “Moose” Conductor (54/7/3.53 mm)) as per the relevant Indian Standards with Stainless Steel Nuts & Bolts. The same are required for outdoor utilization in EHT 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 confirm in all respect to the highest standard of engineering, design, and workmanship and shall be capable of performing trouble free continuous operation.

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, 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 GST, packing, forwarding, insurance and freight charges.
- 2.12 The term “Contract document” shall mean and include GTCC, specifications, schedules, drawings and 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 Indian Standards **as per Clause No.9 of Section-II and Clause No 4, Table of Indian Standards of Section IV** of the technical specification.

4. GENERAL REQUIREMENTS

The Aluminium Clamps / Connectors and the suspension hardware fittings in complete shape shall be utilized for stringing of double bus conductors in the 132kV and 33kV switchyards of different grid sub-stations under OPTCL

5. SPECIFIC REQUIREMENTS

Clamps and fittings shall be so designed that the post insulators shall not be subject to any abnormal stress due to thermal changes in conductor. All the clamps and fittings shall enable the connection to be as short as possible. Wherever possible they shall be in two separate halves. No ‘U’ bolts shall be used. The data in respect of bus bars and equipment for which clamps and connectors are required shall be given to the successful bidder.

- 6. SUBMISSION OF SAMPLE: The bidders are requested to submit the samples of Aluminium Clamps, Connectors and hardware fittings along with other accessories in complete shape as per the schedule of quantity along with true copies of type test certificates from Govt. approved laboratory to this office on or before tender opening date.** The samples of all bidders shall be scrutinized by a sample scrutiny committee to be constituted by the purchaser. If required, the bidder or their authorized representatives may be informed to remain present during scrutiny of samples. The date of sample scrutiny will be intimated to the bidders in due course. Samples shall be evaluated on the basis of the quality of materials as per the technical specifications. The bidders, whose samples are approved by the

committee, shall be considered for price comparison. ***In no case, the bidders shall be allowed for change of sample.***

7. INSPECTION & TESTS:

- A.** The OPTCL reserves the right to inspect the materials at the time of manufacture at various stages. All acceptance tests (and type test if any) shall be performed in the presence of the representative of OPTCL through Video Conferencing (VC). 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 dispatch 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 / manufacturer shall facilitate the **Video Conferencing (VC)** between the NABL accredited laboratory/ test facility / manufacturing units, wherein the acceptance tests (and type test if any) shall be conducted, with the OPTCL representatives
- B.** The following acceptance tests as per **IS:2121 Part-4 - 1991** (Latest edition with amendments if any) for **Suspension and Tension Hardware Fittings** and as per **IS: 5561 (1970)** (Latest edition with amendments if any) for **Clamps & Connectors** at the manufacturer's works at their own cost:-
- i. Tensile Test.
 - ii. Verification of dimensions.
 - iii. Resistance tests.
 - iv. Galvanizing tests.
- C.** 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 samples**, identical in all essential details with those to be supplied, should be enclosed with the tender. Type tests as per **IS:2121 Part-4- 1991** (Latest edition with amendments if any) for **Suspension and Tension Hardware Fittings** and as per **IS: 5561 (1970)** (Latest edition with amendments if any) for **Clamps & Connectors** should be conducted on the tendered item(s), 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.

- D. **Purchaser, however, reserves its right to carry out the type test(s) whenever felt necessary at firm's cost.**
- E. **OTHER TESTS (If Any):** Any other test(s) becoming necessary with the amendment in relevant IS or otherwise agreed to between the supplier & purchaser shall also be carried out.

8. TEST CERTIFICATES

Necessary manufacturer certificates and test certificates from any reputed Govt. Approved / Accredited Laboratory (accredited based on ISO/IEC Guide 25 / 17025 or EN 45001 by the National accreditation body of the country where laboratory is located) in respect of the tendered items and its accessories shall be submitted before dispatch of materials for approval. Test certificate in respect of materials should conform to relevant IS / IEC / as per the technical specification. The type test reports shall not be older than FIVE years and shall be valid up to the expiry of the validity of the offer. **The test reports of CPRI and ERDA shall be given more preference.**

9. **STANDARDS:** The materials shall strictly comply with relevant IS (Latest edition along with amendments if any) or equivalent standard as regards material, design, manufacture and testing etc. as per the chart of standards (**Clause no. 4, Table of Indian Standards, Section IV, Part - II**) in the Technical Specification Section of this tender specification.
10. **DRAWINGS APPROVAL:** Immediately on receipt of the purchase order, an authorized representative of the bidder shall come with necessary drawings for approval of the consignee / end-user department.
11. **INTERCHANGEABILITY:** All fittings shall be of standard design and made to gauge or jig and shall be interchangeable in all respects with similar items.
12. **REJECTION OF MATERIALS:** In the event any of the equipment / materials 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.

13. 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.

14. 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].

15. DELIVERY PERIOD:-

The desired delivery period shall be within 45 (forty five) days of placing purchase order.

16. DESPATCH INSTRUCTIONS.

a) The equipment / 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.

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.

17. 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 the 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 procure upon similar terms and conditions, in such a manner as deemed appropriate, in relation to the terminated equipment/ material and the supplier will be liable to the Purchaser for any additional costs for procurement of such similar equipment/material and/or for penalty for delay as defined in Clause-27 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-27 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.

18. 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.

19. 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.

20. GUARANTEE PERIOD: -

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 27 (ii) shall apply.

21. **GST REGISTRATION AND CLEARANCE CERTIFICATION, PAN CARD & AUTHORIZED DEALERSHIP CERTIFICATE:** Attested legible Xerox copies of Income Tax PAN Card, GST Registration & Clearance Certificate and Authorized Dealership Certificates (if applicable) valid on the date of opening tender and up to the validity of the tender should be submitted along with tenders without which the bid 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.
22. **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:**
Attested legible Xerox copies of necessary Manufacturer's certificate, Manufacturer's Authorization Certificate, valid authorized dealership 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.**
Proof of Past experience of execution of Purchase Orders needs to be furnished by the bidders. The bidders have to clearly state their experience, resources, engineering organization to undertake this work of supply of clamps / connectors and hardware fittings. The bidders shall upload the scanned copy of legibly written **user's certificate to prove the satisfactory operation of the offered equipments / materials for a minimum period of 2 (two) years from the date of commissioning / use.** The bidder shall have to provide certificate for manufacturing experience of minimum 3 years for manufacture of 132kV and 33kV items. The purchaser reserves the right to waive off the stipulation in respect of experience in case of new firms. **The tender shall be accompanied with dimensional drawing and technical literature, leaflets, manuals if any.**
23. **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.
24. **QUANTITY VARIATION:** The quantity to be ordered may undergo revision at the time of placement of orders.
25. **B.G. TOWARDS SECURITY DEPOSIT, 100% PAYMENT AND PERFORMANCE GUARANTEE:**
(a) For manufacturers & suppliers situated Inside & outside the state of ODISHA, a Composite Bank Guarantee towards Performance Security Deposit for 3% [three

percent] of the total FORD cost of the purchase order shall be furnished from any nationalized/ scheduled bank having a place of business at Cuttack, drawn in favour of 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.100.00 [Rupees One Hundred]** 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 Cuttack, 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 is provided at **Annexure-III, Section-V**
- (e) The aforesaid BG shall be returned to the Contractor after successful completion of the guaranteed obligations under the contract

26. TERMS OF PAYMENT:

- a) **90%** value of the consignment / purchase order with GST as applicable (including freight & Insurance charges) will be paid on receipt of materials in good condition at stores / desired site and satisfactory **material verification and acceptance certificate (MVAC)** thereof and upon submission of bills. This is subject to furnishing and approval of **Composite Bank Guarantee** at the rate of 3% [three percent] of the cost of supplied materials, as stipulated under **Clause-25** of this specification & on prior approval of guarantee certificate & Test certificate by the Purchaser. Tax as applicable shall be deducted from the source.
- b) The balance **10%** of the payment shall be released after successful completion of the Guarantee Period i.e at least 18 [eighteen] months from the last date of delivery or 12 [twelve] months from the date of utilization whichever is earlier.
- c) In case the supplier wishes for release of balance 10% of payment, the same may be paid on submission of **additional performance bank guarantee** of equivalent amount with a validity period of two (2) months, more than the guarantee period. This additional performance BG shall be released after successful completion of the Guarantee Period.

27. PENALTY FOR DELAY IN COMPLETION OF CONTRACT

- (I) If the Supplier fails to deliver the materials / equipment 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 defective 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 (if any) 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.

28. INSURANCE

The Supplier shall undertake insurance of stores / materials 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.

- 29. 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.

- 30. 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).

31. **ARBITRATION:** In the event of any dispute arising due to this contract, after due notice of the claim, the matter shall be referred to any arbitrator nominated by the Managing Director, OPTCL. The bidder agrees that the arbitrator could be any official of OPTCL. The bidder shall not have any objections in this regards and such appointment and the award of the arbitrator shall be final and binding on arbitration as per the Arbitration and Conciliation Act. 1996. The venue of the arbitration will be Bhubaneswar.
32. **JURISDICTION:-** The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force. Suit, if any, arising out of this tender/ or contract shall be filed by either party in a Court of Law at Cuttack to which the jurisdiction of High Court of Odisha extends.
33. **INTERPRETATION:** In case of any ambiguity in the interpretation of the conditions of the engagement and scale of charges, the interpretation of the Managing Director, OPTCL will be final and binding on the parties to the conditions of engagement.
34. **NOTICES:**
- a) Notice, if any, relating to the contract given by one party to the other, shall be sent in writing. The procedure will provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.
- b) The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.
35. **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 (Electrical),
EHT (O&M) Circle, Cuttack, OPTCL
At :- Madhusudan Nagar, P.O:- Tulsipur, Cuttack, Odisha
Pin-7530008
Telephone No. 0671 - 2970226

- **Supplier:** Address
Telephone No.
Fax No.

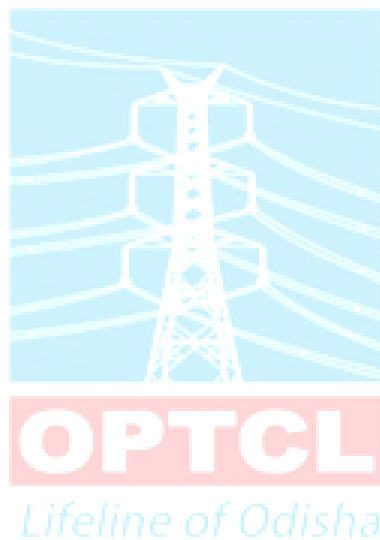
36. OUTRIGHT REJECTION OF TENDERS

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

- a) 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.
- b) The Tender shall not be submitted telegraphically or by FAX.
- c) The tender shall not be conditional.
- d) There must not be any violation to the terms & conditions set forth and provided in the tender specification.
- e) The schedule of prices should be filled up fully to indicate the break-up of the prices including taxes. Incomplete submission of this schedule will make the tender liable for rejection.
- f) All the necessary excel sheets like techno-commercial bid sheet, price bid sheet etc. attached with the tender should be duly filled up without any empty cells
- g) Tenders shall be accompanied with the **Bid Security Declaration Form**.
- h) The Tenderer should quote 'FIRM' price only and the price should be kept valid for a minimum period of 180 days from the date of opening of the tender.
- i) Non submission of all documents as per **Clause No. 11, Instructions to tenderers, Section-I**
- j) Tenders shall be accompanied with clear valid photocopy of GST registration & clearance certificate, PAN card, Authorized Dealership Certificates, Certificate of Incorporation / Registration etc. 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.
- k) The tenders not accompanied with the required true copies of test certificates, descriptive literature, dimensional drawing catalogues etc..
- l) The tenderer must submit sample of the items quoted along with the tender documents on or before tender opening time for sample scrutiny by the purchaser.
- m) Authorized dealership certificate issued by the manufacturers (In case of authorized dealer), valid on the date of opening of the tender shall be submitted along with the tender.

- n) There must not be any deviation to the delivery schedule as specified in tender specification.
- o) Duly filled and signed Forms as per **List of Annexures, Section V**, such as Abstract of general terms and conditions of contract declaration forms etc.
- p) Tenderers not fulfilling the qualifying criteria as mentioned in ELIGIBILITY FOR SUBMISSION OF BIDS.
- q) The bidders have to unconditionally comply with tender specification.
- r) There must not be any violation to the terms & conditions set forth and provided in the tender specification.

Sd/-
GENERAL MANAGER (Elec)
EHT (O&M) CIRCLE, CUTTACK



SECTION-III

SCHEDULE OF QUANTITY ALONG WITH DELIVERY SCHEDULE

Sl. No	Description of materials.	Unit	Total Quantity
A	Hardware Fittings		
1	Single Suspension hardware fittings suitable for twin ACSR Twin Moose (200mm Spacing)	Nos	10
B	Clamps & Connectors		
1	Spacer Clamp for Twin ACSR Moose Conductor. (Spacing - 250 mm)	Nos	445
2	Spacer T-Clamp for Twin ACSR Moose Conductor Run to Twin ACSR Moose conductor Drop.(Spacing - 250 mm)	Nos	40
3	Compress Type T Clamp Twin ACSR Moose Conductor Run to Twin ACSR Moose conductor Drop	Nos	160
4	132kV Bus Section Isolator Pad Clamp for Twin ACSR Moose Conductor .(Spacing - 250 mm, Pad Size 100mm)	Nos	15
5	132kV Isolator Pad Clamp for Twin ACSR Moose Conductor. (Spacing - 250 mm, two way)	Nos	135
6	33kV Isolator Pad Clamp for Twin ACSR Moose Conductor. (Spacing - 250 mm, two way)	Nos	50
7	33kV Isolator Pad Clamp for Twin ACSR Moose Conductor. (Spacing - 200 mm, two way)	Nos	20
8	132kV Bushing Bi-metallic pad clamp for Twin ACSR Moose Conductor (Spacing - 250 mm, Pad Size 100mm)	Nos	10
9	33kV Bushing Bi-metallic pad clamp for Twin ACSR Moose Conductor (Spacing - 200 mm, Pad Size 75mm)	Nos	10
10	132kV Breaker Pad Clamp for Twin ACSR Moose Conductor (Spacing - 250 mm, Pad Size 100mm)	Nos	53
11	33kV Breaker Pad Clamp for Twin ACSR Moose Conductor (Spacing - 200 mm, Pad Size 100mm)	Nos	26
12	132kV LA Pad Clamp for Twin ACSR Moose Conductor (two way) (Spacing - 250 mm, Pad Size 100mm)	Nos	10
13	Bimetallic CT Stud clamp for Twin ACSR Moose (stud dia 30mm) (Two way)	Nos	66

14	Bimetallic CT Stud clamp for Singke ACSR Moose (stud dia 30mm) (Two way)	Nos	7
15	Bimetallic PT Stud clamp for Twin ACSR Moose (stud dia 30mm) (Two way)	Nos	7
16	132 KV PI clamp for ACSR Twin moose conductor (250 mm spacing)	Nos	30
17	33 KV PI clamp for ACSR twin moose conductor (250 mm spacing)	Nos	16
18	33 KV PI clamp for ACSR twin moose conductor (200 mm spacing)	Nos	7

DELIVERY SITE:

1. Address: 220/132/33KV Grid Sub-station, Cuttack

At Balisahi, Nuapada, PO: Madhupatna, Cuttack – 753010

2. Consignee: SDO, 220/132/33KV Grid Sub-station, Cuttack

Mobile: 9438908015

N.B: The sample specimens against the items at the following serial numbers are to be submitted along with the tender bid documents prior to techno-commercial open. The details are:
A1, B1, 2, 3, 5, 6, 8, 10, 12, 13, 14, 16, 17



PART-I
(SECTION-IV)

**TECHNICAL SPECIFICATION OF THE ALUMINIUM CLAMPS / CONNECTORS WITH
STAINLESS STEEL NUTS & BOLTS AND HARDWARE FITTINGS SUITABLE FOR
132kV AND 33kV BUS CONDUCTORS (TWIN ACSR MOOSE)**

1. SCOPE:

This specification covers the design, manufacture, assembly, inspection, testing, packing and delivery of Pressure Die Cast, high strength, heat treated 4600 grade [Old Nomenclature: A6 (M – Tempering)] Aluminum Alloy clamps, connectors with Stainless Steel Nuts & Bolts and hardware fittings (suitable for “Moose” Conductor (54/7/3.53 mm)) as per the relevant IS. The same are required for outdoor utilization in EHT 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 for ACSR Moose conductor. For bimetallic connectors, copper alloy liner of minimum thickness of **2 mm shall be cast integral with Aluminium body.**

2. CLIMATIC CONDITIONS:

The overall climate is moderate hot, humid, tropical, highly polluted and conducive to rust and fungus growth. The clamps/connectors and hardware fittings 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. SYSTEM PARTICULARS:

3.1 Nominal System Voltage: 220 KV | 132 KV | 33KV

3.2 Highest System Voltage: 245 KV | 145 KV | 36KV

3.3 Continuous Current rating: 1600A | 800A | 600A

3.4 Short circuit level for 3 sec: 40 KA | 40KA | 25KA

3.5 Frequency: 50 Hz.

3.6 Basic insulation level: 1050KVp | 650KVp | 170KVp

3.7 Number of phases: 3

3.8 System earthing: Effectively earthed.

3.9 Conductor temperature range: Minimum: 3.5°C Maximum: 64.5°C

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

4. STANDARDS:

Design, manufacture, performance of the clamps/connectors and hardware fittings for 132kV and 33KV bus conductors 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:

Sr. No	INDIAN STANDARDS	TITLE
1	IS:398 (all parts)	Aluminium Conductors for overhead transmission purposes.
2	IS:2486 (all parts)	Specification for insulator fittings for overhead power lines with nominal voltage greater than 1000V
3	IS:2121 (all parts)	Specification of conductors and earth wire accessories for overhead power lines
4	IS:5561 (1970)	Specification for Electrical Power Connectors
5	IS:731 [IEC:437 (1973)]	Method of high voltage testing
6	IS:617 (1994)	Cast Aluminium and its Alloys – Ingots and castings for General engineering Purposes
7	IS:6051 (1970)	Code for designation of Aluminium and its alloys
8	IS:5052 (1993)	Aluminium and its alloys – Temper Designations
9	IS:504 (1963)	Methods of Chemical analysis of Aluminium and its alloys
10	IS:7658 (1975)	Methods of Spectrographic analysis of Aluminium and alloys
11	IS:3138	Hexagonal bolts and nuts
12	IS:4218	Metric screw threads
13	IS:6639	Hexagonal bolts for steel structures
14	IS:4172	Dimensions for radii under the heads of bolts and screws
15	IS:4206	Dimensions for nominal lengths and threads lengths for bolts screws and studs.
16	IS:1570 (part-I)	Schedules for wrought steels for general engineering purposes steel specified by tensile and / or yield properties
17	IS:2004	Specification for carbon steel forgings the general engineering purposes
18	IS:6603	Stainless steel bars and flats
19	IS:2002	Steel plates for pressure vessels for intermediate and high temperature
20	IS:1573	Electroplated coatings of zinc on iron and steel
21	IS:1367	Technical supply conditions for threaded fasteners
22	IS:209	Specification for zinc
23	IS:2629	Recommended practice for Hot Dip galvanizing of iron & steel
24	IS:2633	Methods of testing uniformity of coating on zinc coated articles
25	IS:7814	Phosphor bronze sheet, strip and foil

26	IS: 5082	Wrought Aluminium and Aluminium Alloy section for electrical purpose
27	ISO 4014/ DIN 931	International Standard AISI Stainless Steel 304/ 316 Fasteners. Materials: stainless steel ss 304/ SS316 A2/A4
28	ASME B18.6.3	ISO 4014 Stainless Steel 304/ 316 Fasteners Dimensions
29	ASTM A380/A380M	Finish Stainless Steel 304 Fasteners

5. Characteristics as per IS 398 Part -II/1976 for ACSR Moose: 54/3.53+7/3.53

Area- 597 Sq.mm

Outer Diameter- 31.77mm

Weight in Kg/km- 2004kg/km

Approx. Calculated

Breaking Load: 161.2 kN

R_{dc} in ohm/km @ 20°C: 0.005596

Amp @ 65°C: 667A

Max Allowable Temp in °C: 75

6. Clamps/ Connectors and Hardware fittings conforming to any other national or international standards are also acceptable provided always that, such standards are equivalent to or better than the corresponding standards specified in table above. However in such an event the salient points of comparison between the standards adopted and the standards quoted herein shall be detailed in the appropriate schedule (**Refer Annexure V, Section V**) with an authentic English version of such standards.
7. 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.
8. Aluminum Clamps offered shall be of die cast, high strength, **heat treated 4600 grade [Old Nomenclature: A6 (M – Tempering)] Aluminium Alloy** and shall be suitable for use with ACSR Moose conductor.
9. **A tolerance of +5% and -2% on dimensions of Clamp shall be applicable. Similarly, a tolerance of -2% on weight of Clamp shall be applicable.**
10. All castings shall be free from shrinking, blow holes, surface blisters, cavities, cracks, flaws and other such defects. All burrs, sharp edges and corners shall be smoothed and rounded off.
11. The grooves in the clamps shall be smooth so as to give a firm & complete grip to the conductor. **The clamps and connectors shall not cause any damage to the conductor in any way.**

12. Assembly shall be designed and manufactured in such a way so as to have minimum contact resistance.
13. The fittings shall be inherently resistive to atmospheric corrosion or be suitable to protect against corrosion both during storage as well as service.
14. **From outermost hole edge to nearest edge of any clamps and connectors the distance shall not be less than 10 mm.**
15. The connectors are to be designed to prevent accumulation of moisture and can withstand the corrosive atmosphere condition.
16. The connector shall be mechanically strong so that it can withstand loads imposed during erection, normal service, electro-mechanical force due to temperature variation and short circuit condition.
17. The bolts shall be so located that pressure is properly distributed from the bolts over the entire contact surface
18. The current density of Aluminum / copper shall be considered as 0.75 / 1.75 A / sq. mm.
19. Bolts and Nuts so provided shall be of **AISI Standard SS304** and have sufficient length to allow installation without disassembling the connector. All bolts, clamps, etc shall have suitable locking arrangements to safeguard against vibration and loosening.
20. The normal rated continuous current of clamps and connectors shall be selected as per point of application, use of type of conductors/Aluminum tube and also the stipulation of Clause No. 12.1 (a), (b) & (c) of IS : 5561 which are stated below:
 - a) Equipment Connectors – The values of current shall be selected on the basis of the rating of the equipment to which the connector is connected or on the basis of the rating of the conductor for which the opening is designed, whichever is smaller
 - b) Junction Connectors – The values of current shall be selected on the basis of the conductor which has the lower current carrying value where the openings are of two sizes and on the basis of the conductor which is common to both openings where the openings are of the same size.
 - c) ‘T’ Connectors – The values of current shall be selected on the basis of the full rated current in the tap conductor only.
21. Power connector shall be so designed and proportioned that they are capable of safely withstanding stresses to which they may be subjected (including those due to short-circuit and climatic condition) and that the effect of vibration both on the conductor and on the connector itself is minimized. They shall be designed, manufactured and finished so as to avoid sharp radii of curvature, ridges and excrescences which might lead to localized pressure on or damage to the conductor in service

22. Sufficient contact pressure should be maintained at the joint by the provision of the required number of bolts or other fixing arrangement. But the contact pressure should not be so great as to cause relaxation of the joint. The joint should be such that the pressure is maintained within the range under all conditions of service. To avoid excessive local pressure, the contact pressure should be evenly distributed by the use of pressure plates, washers or suitable saddles of adequate area and thickness
23. The tenderers should quote the name of the manufacturer of the material.
24. The specimen samples shall be inspected by sample scrutiny committee formed by this office consisting of designated officer of OPTCL before placement of orders.
25. Guaranteed Technical Particulars (To be entered in the excel sheet format) along with manufacturer drawings (to be uploaded in the Tender wizard) shall be furnished by the tenderers in respect of above sizes.
26. The connectors shall be indelibly marked with rated current or any identifying mark to enable full particulars of the connector to be obtained. The electric power connector may also be marked with the ISI Certification Mark.

27. QUALITY ASSURANCE PLAN

The bidder shall invariably furnish following information as per **Clause no 14-B, Section– I, Part – I** along with his offer, failing which his offer shall be rejected.

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

OTHER TECHNICAL REQUIREMENTS

1. Dimensions of insulator string along with hardware fitting

- a) The various dimensions of hardware fittings shall be as per the specification drawings / ISS.
- b) Fabrication drawings shall be prepared by the manufacturer based on the specification drawings / ISS.
- c) The dimensions which are not provided on the specification drawings shall be suitably selected by the manufacturer while preparing the fabrication drawings.
- d) The detailed drawings shall be submitted to the purchaser for scrutiny and approval as per **Clause No. 10 of Section – II, Part 1**
- e) Dimensional tolerances shall be indicated on drawings.

2. Corona and RIV performance

Sharp edges and scratches shall be avoided on all the hardware fittings. All surfaces must be clean, smooth, without cuts and abrasions or projections etc.

3. Ball and socket fittings

The dimensions of the ball and socket shall be of 16mm designation for suspension string assembly and tension string assembly in accordance with standard dimensions stated in IS:2486 (Part-II).

3.1. Ball fittings

Ball fittings shall be made of class IV steel as per IS: 2004 or steel of equivalent grade and shall be forged in one piece. They shall be normalized to achieve the minimum breaking strength specified on the respective drawings. Before galvanization of ball fittings, all die flashing on the shank and on the bearing surface of the ball shall be carefully removed without reducing the dimensions below the requirements.

3.2. Socket fittings

Socket fittings shall be made of class IV steel as per IS:2004 or steel of equivalent grade and shall be forged in one piece. They shall be normalized to achieve the minimum breaking strength specified on the respective drawings.

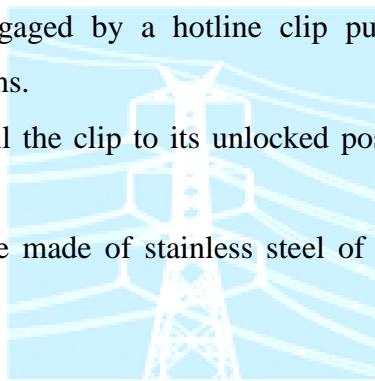
3.3. Dimensions and tolerances.

- a) The dimensions and tolerances of pin balls and socket ends shall conform to IS:2486 part-II and shall be checked by the gauge therein after galvanizing.
- b) The pin balls shall be checked with the applicable 'GO' gauges in at least two directions, one of which shall be across the line of die flashing, and the other 90deg. To this line 'NO GO' gauges shall not pass in any direction.
- c) The bearing surfaces of balls and machined sockets, before galvanizing, shall not have surface roughness more than 250micro inches.

- d) The bearing surface of socket ends shall be uniform about the entire circumference without depressions or high spots. The internal contour of the socket ends shall be concentric with the axis of fittings. The axis of the bearing surface of socket ends shall be coaxial with the axis of fittings with no appreciable tilting.

3.4. Security clips for socket fittings

- a) Socket fittings shall be provided with R-shaped security clip in accordance with IS: 2486 (parts III & IV) to provide positive locking against unintentional disengagement of socket from the ball of the insulator. The security clip shall be humped to maintain the clip in the locked position and shall have both prongs spread to prevent template withdrawal from the socket. The clip end shall not project outside the recess of socket when the clip in locked position.
- b) The hole for the security clip shall be on the side of the socket opposite to the socket opening. The hole for the clip shall be counter sunk. The clip eye shall be of such design that the same may be engaged by a hotline clip puller to provide for disengagement under energized conditions.
- c) The force required to pull the clip to its unlocked position shall not be less than 50N or more than 500N.
- d) The security clip shall be made of stainless steel of type AISI 302 or 304 or phosphor bronze as per IS:7814.



4. Yoke plate / link plate

- a) The yoke plate/link plate shall be made of steel plate as per IS: 226 or equivalent standards. Shearing/cutting of the plate shall be clean without drawn or ragged edges. If the plates are flame cut, mechanical guides shall be used. It shall be ensured that the grain flow of the yoke plate shall be in the direction of the tensile load.
- b) Holes shall be cylindrical, clean cut and perpendicular to the plane of the material. The periphery of the holes shall be free from burrs.
- c) All the corners and edges shall be rounded off within a radius of at least 3 mm.

5. Arcing horns

Arcing horns **are not to be** provided. However provision shall be made for fixing the same at a later stage if necessary as shown in the drawings enclosed.

6. DEAD END ASSEMBLY

- a) The dead end assembly shall be suitable for ACSR Twin Moose conductor.
- b) The dead end assembly shall be compression type with provision for compressing jumper terminal at one end. The angle of jumper terminal to be mounted should be 30° with respect to the vertical line. The area of bearing surface on all the connections shall be

sufficient to ensure positive electrical and mechanical contact and avoid local heating due to I^2R losses.

The resistance of the clamp when compressed on Conductor shall not be more than 75% of the resistance of equivalent length of Conductor.

- c) Die compression areas shall be clearly marked on each dead-end assembly designed for continuous die compressions and shall bear the words 'COMPRESS FIRST' suitably, inscribed near the point on each assembly where the compression begins. If the dead end assembly is designed for intermittent die compressions, it shall bear identification marks 'COMPRESSION ZONE' AND 'NON-COMPRESSION ZONE' distinctly with arrow marks showing the direction of compressions and knurling marks showing the end of the zones. Tapered aluminum filler plugs shall also be provided at the line of demarcation between compression & non-compression zone. The letters, number and other marking on the finished clamp shall be distinct and legible. The dimensional tolerances of the cross section of aluminum and steel dead ends shall be as per the ISS.
- d) The assembly shall not permit slipping of, damage to, or failure of the complete conductor or any part thereof at a load less than 95% of the minimum UTS of the conductor.
- e) The outer sleeve shall be made out of EC grade aluminum 99.5% pure. The steel sleeve shall be made of mild steel rod.

7. FASTENERS:

- a) All fasteners shall conform to ASTM A193 / A193, ASME SA193 / SA194. All fasteners shall be made from AISI SS304 grade stainless steel. All bolts and nuts shall have hexagonal heads, the heads being forged out of solid truly concentric, and square with the shank, which must be perfectly straight.
- b) Fully threaded bolts shall not be used. The length of the bolt shall be such that the threaded portion shall not extend into the place of contact of the component parts.
- c) All bolts shall be threaded to take the full depth of the nuts and threaded enough to permit the firm gripping of the component parts but no further. It shall be ensured that the threaded portion of the bolt protrudes not less than 5 mm and not more than 10 mm when fully tightened.
- d) Stainless Steel 304 Flat washers and spring washers shall be provided wherever necessary and shall be of positive lock type. The thickness of washers shall conform to IS: 2016.
- e) To obviate bending stress in bolt, it shall not connect aggregate thickness more than three times its diameter.

- f) Bolts may have either rolled or cut threads. Nut threads shall be tapped oversize to closely fit those of the, with no unnecessary looseness but free enough to permit the nut to be turned freely with fingers over the entire threaded length.

8. FORGED COMPONENTS

Forged components other than those covered in the clauses mentioned herein above shall be made out of class IV steel as per IS: 2004 or equivalent. The items shall be normalized to achieve the required tensile properties. The forged components shall not have sharp corners and edges so as to affect corona and RIV performance.

9. MATERIALS

The materials of the various components shall be as specified in clauses mentioned herein above. However, components made of alternative materials giving equivalent or better performance shall also be considered. The bidder shall indicate the material proposed to be used for each and every component of hardware fittings stating clearly the class/grade or alloy designation of the material and the reference standard as the Schedules in Annexure-5.

10. GALVANIZING

- a) All ferrous parts shall be hot dip galvanized in accordance with IS: 2629 and shall satisfy the tests mentioned in IS: 2633. No material shall be galvanized until all shop operations have been completed except that the nuts may be threaded and oiled after galvanizing. Minimum weight of zinc coating shall be 300g/sq.m for fasteners and 600g/sq/m for all other hot dip galvanized articles.
- b) ~~Fasteners shall withstand four dips while spring washers shall withstand three dips each of one minute duration in the standard preece test.~~ Other galvanized material shall withstand minimums six dips each of one minute duration in the standard preece test.
- c) The zinc coating shall be perfectly adhered, of uniform thickness, smooth, reasonably bright, continuous and free from imperfections such as flux, ash, rust stains, bulky white deposit and blisters.
- d) The zinc used for galvanizing shall be of grade 99.95% as per IS:209

11. WORKMANSHIP

- a) All the equipment shall conform to the best modern practices adopted in the Extra High Voltage field. The Bidder shall offer only such equipment as guaranteed by him to be satisfactory and suitable for 132KV transmission line and will give continued good performance.

- b) The manufacture process and quality control of all the materials shall be such as to give maximum possible working load highest mobility, elimination of sharp edges and corners to limit corona and radio-interference, best resistance to corrosion and a good finish.
- c) Castings shall be uniform without sharp edges or corners, free from all defects like shrinkage, inclusion, blowholes, cracks etc. Pressure die casting shall not be used for casting of components with thickness more than 5 mm.
- d) Forgings shall be uniform in quality and condition, without sharp edges or corners, free from cracks, flakes or seams, laps, slag, silvers, scabs, rolled-in scale and fissures.
- e) All current carrying parts shall be so designed and manufactured that contact resistance is reduced to minimum.
- f) No equipment shall have sharp ends or edges, abrasions or projections and cause any damage to the conductor in any way during erection or during continuous operation which would produce high electrical and mechanical stresses in normal working. The design of adjacent metal parts and mating surfaces shall be such as to prevent corrosion of the contact surface and to maintain good electrical contact under service conditions.
- g) All fasteners shall have suitable corona free locking arrangement and shall not loosen under vibration conditions.
- h) Welds shall be clean, sound, smooth, uniform without overlaps, properly fused and completely sealed. There shall be no cracks, voids incomplete penetration, incomplete fusion, undercutting 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.

12. MARKINGS

Each component of hardware shall be marked with the trade mark of the manufacturer. Marks shall be forged or stamped with a steel die before galvanizing. The marks shall be distinct, durable, and conspicuous.

13. BID DRAWINGS

The Bidder shall furnish detailed hardware assembly drawings along with component drawing in accordance with specification drawings/ISS.

Sd/-
GENERAL MANAGER (Elec)
EHT (O&M) CIRCLE, CUTTACK

SECTION-V

[LIST OF ANNEXURES]

The following schedules and proformas are annexed to this specification and contained in Section-III as referred to in the relevant clauses. Wherever necessary, the annexures duly filled and signed by the bidder are to be scanned and uploaded along with the tender bid.

1	Declaration form	ANNEXURE-1
2	Abstract of terms and conditions to accompany Section-II of Part-I	ANNEXURE-2
3	Proforma for composite bank guarantee for security deposit payment and performance	ANNEXURE-3
4	Proforma of self-declaration- Black listing/ debaring action	ANNEXURE -4
5	Schedules of Deviation	ANNEXURE -5
6	Litigation History	ANNEXURE -6
7	Form T1: Letter of Application	ANNEXURE -7
8	Form T2: Bidder's Information	ANNEXURE -8
9	Form T3: Power of Attorney	ANNEXURE -9
10	Form T4: Work Experience	ANNEXURE -10
11	Form T5: Anti-Collusion certificate	ANNEXURE -11
12	Form T6: Financial Capabilities of Bidder	ANNEXURE -12
13	Bid Security Declaration Form	ANNEXURE -13
14	Reverse Auction Process Compliance	ANNEXURE -14

ANNEXURE - 1
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 take up the **Supply of Hardware Fittings and Aluminium Clamps & Connectors with Stainless Steel Nuts & Bolts for Bus Augmentation work at 220/132/33kV Grid Sub-Station Cuttack** including supply of materials, other consumables etc 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 Supply of Hardware Fittings and Aluminium Clamps & Connectors with Stainless Steel Nuts & Bolts for Bus Augmentation work at 220/132/33kV Grid Sub-Station Cuttack as specified in the Tender.

3. I / We hereby guarantee the validity of the required documents from concerned authorities to be submitted as per the ELIGIBILITY FOR BID SUBMISSION mentioned in the Tender specification.

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. / Fixed Deposit in the manner, acceptable to ODISHA POWER TRANSMISSION CORPORATION LTD., and for the sum as applicable to *me/us as per **Clause-25 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 I/we will be suspended from being eligible for bidding/ award of all future contract(s) of EHT (O&M) Circle, OPTCL, Cuttack for a period of three (3) years from the date of committing such breach.

Signed this _____ day of _____ 2022

Yours faithfully

Signature of the Tenderer

with seal of the company

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

* (Strikeout whichever is not applicable)

ANNEXURE - 2

ABSTRACT OF GENERAL TERMS AND CONDITIONS OF CONTRACT

[COMMERCIAL] TO ACCOMPANY PART-I

1(a)	Cost of Tender Document: D.D No & Date.	
1(b)	Bid Security Declaration	Yes/No
1(c)	Tender Processing Fee: E-Challan No. & Date.	
2	Suppliers's past experience including user's certificate furnished	Yes/No
3	Manner of work:- Whether agreeable to OPTCL's desired manner as indicated .	Yes/No
4	Whether agreeable to furnish Composite B.G in case his tender be successful.	Yes/No
5	Terms of payment:- Whether agreeable to OPTCL's terms regarding payment'	Yes/No.
6	Nature of price:- FIRM	Yes/No
7	Penalty:- Whether agreeable to OPTCL's terms .	Yes/No
8	Validity: - Whether agreeable to OPTCL's terms	Yes/No
9	Whether declaration form duly filled in furnished.	Yes/No.
10	Whether scanned copy of required documents furnished.	Yes/No.
11	Whether scanned copy of Audited Accounts furnished	Yes/No.

Signature:

1.

2.

ANNEXURE - 3

PROFORMA FOR COMPOSITE BANK GUARANTEE FOR SECURITY DEPOSIT PAYMENT AND PERFORMANCE

(To be stamped in accordance with Stamp Act and the Non-Judicial stamp paper of appropriate value should be in the name of the Issuing Bank.)

This Guarantee Bond is executed this _____ day of _____
2022/23 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 “Agency”], which shall include its successors & assignees.

AND WHERE AS the Agency has agreed to Supply of Hardware Fittings and Aluminium Clamps & Connectors with Stainless Steel Nuts & Bolts for Bus Augmentation work at 220/132/33kV Grid Sub-Station Cuttack to the OPTCL in terms of the said agreement AND

WHEREAS the OPTCL has agreed [1] to exempt the Agency from making payment of Security [2] to release 100% payment of the cost of service as per the said agreement and [3] to exempt from performance guarantee on furnishing by the Firm / Agency to the OPTCL, a Composite bank Guarantee of the value of 5 % [five percent] of the contract price of the said agreement.

NOW THEREFORE, in consideration of the OPTCL having agreed [1] to exempt the Agency from making payment of Security [2] releasing 100% payment to the Firm / Agency 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 Agency [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 OPTCL stating that the amount claimed is due by way of loss or damage caused to or suffered by OPTCL by reason of any breach by the said Firm / Agency [s] of any of the terms or conditions, contained in the said agreement or by reason of the Firm / Agency’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 OPTCL any money so demanded notwithstanding any dispute or disputes raised by the Firm / Agency [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 Agency [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 Firm / Agency [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 Firm / Agency and we shall not be relieved from our liability by reason of any such variations or extension being granted to the said Firm / Agency or for any forbearance, act or omission on the part of the OPTCL or any indulgence by the OPTCL to the said Firm / Agency [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 The Firm / Agency [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 inviolable at our place of business at Branch of Bhubaneswar in the state of Odisha. [Indicate the name of the Bank& Branch]

‘Notwithstanding anything contained herein above’

a) Our liability under the bank guarantee shall not exceed Rs._____ (In words Rupees_____).

b) This bank Guarantee shall be valid up to_____ .

c)We are liable to pay guaranteed amount or any part thereof under this bank guarantee only if you serve upon us at _____branch of Bhubaneswar in the state of Odisha a written claim or demand on or before _____ (date of expiry of guarantee).

Date at _____the, _____day of 20_____.

For_____

[Indicate the name of Bank]

Witness (Name, Signature & Address)

i.

ii.

ANNEXURE – 4

PROFORMA OF SELF DECLARATION-
BLACK LISTING/ DEBARRING ACTION

(To be filled in non-judicial stamp paper of worth Rs.50/- and to be Notarized)

Name of the Bidder: -----

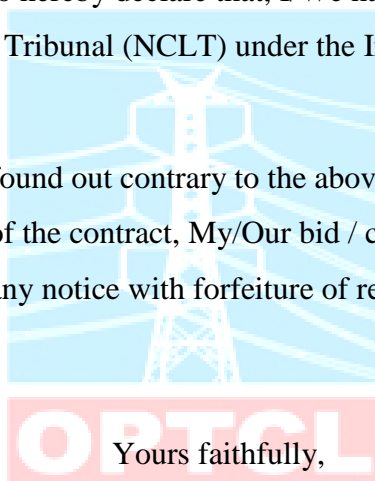
e-Tender Notice No: -----

Sir,

1. I/We, the undersigned do hereby declare that, I/We have never failed to perform satisfactorily in any work of OPTCL/ Govt. Of Odisha /Central Govt./ in any Govt. funded Project during last three financial years (and the current financial year) and / or I/We **do not have any litigation with OPTCL** and we do not stand currently debarred/blacklisted by any of the Electricity Transmission Utility / Generation Utility /OPTCL / Govt. of Odisha/ Central Govt. of India.

2. Further, I/We, the undersigned do hereby declare that, I/We have not been declared as Insolvent or referred to National Company Law Tribunal (NCLT) under the Insolvency and Bankruptcy Code (IBC), 2016.

3. In the event, any information is found out contrary to the above either during the finalisation of the tender or during the execution of the contract, My/Our bid / contract shall be liable for rejection / cancellation / termination without any notice with forfeiture of retention amount/CPBG at the sole discretion of OPTCL.



Yours faithfully,

Place-

Date-

Signature of the bidder

With seal

Note: The bidder shall also disclose, if he was debarred/black listed by any utility in the past and if the debar/blacklisting order was subsequently withdrawn by the utility suo-moto or set aside by any court order.

(This form shall be duly filled-up, signed by the bidder (including each of the Joint Venture/ Consortium partner) & uploaded as an attachment)

ANNEXURE-5

SCHEDULES OF DEVIATIONS

SCHEDULE –A

DEVIATION FROM SPECIFICATION

SR.NO.	CLAUSE NO	DETAILS OF DEVIATION
--------	-----------	----------------------

NAME OF FIRM-----

NAME & SIGNATURE OF TENDERER-----

DESIGNATION-----

DATE-----

SCHEDULE – B

SCHEDULE OF TENDERER'S EXPERIENCE

Tenderer shall furnish here a list of similar orders executed /under execution by him to whom a reference may be made by Purchaser mentioned, in case he considers such & reference necessary.

Sr. No	Name of Client & Description of order	Value of Order	Period of supply & commissioning	Name & address to whom reference may be made
1	2	3	4	5

NAME OF FIRM-----

NAME & SIGNATURE OF TENDERER-----

DESIGNATION-----

DATE-----

SCHEDULE – C

SCHEDULE OF DEVIATIONS FROM SPECIFIED STANDARDS

Sr.No	Particulars	Stipulation of specified standards		Stipulation of standard adopted by tenderers		Remarks
		Standard Ref	Stipulations	Standard Ref.	Stipulations	

NAME OF FIRM-----

NAME & SIGNATURE OF TENDERER-----

DESIGNATION-----

DATE-----

SCHEDULE – D

DEVIATION FROM SPECIFIED TEST REQUIREMENTS SPECIFIED IN RELEVANT AND PRESENT SPECIFICATIONS

Sr. No.	Name of Test	Standard No. & Clause No.	Requirement of Standards	Proposed deviation	Reasons for deviation
---------	--------------	---------------------------	--------------------------	--------------------	-----------------------

1. Type Test
2. Additional Test
3. Acceptance Test
4. Routine Test

ANNEXURE - 6

LITIGATION HISTORY

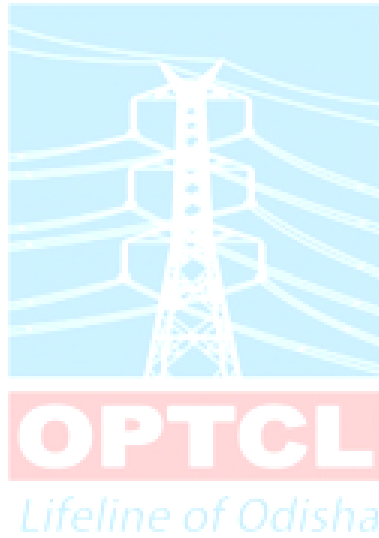
Year	Award for or against bidder	Name of client, cause of litigation and matter in dispute	Disputed amount (current value in Rs.)

Place: -

Date:

Signature of Tenderer:

Name, Designation, Seal



ANNEXURE - 7
FORM –T1: LETTER OF APPLICATION

(To be submitted on letter head of the bidding company with sign and stamp and along with
Technical bid)

[Location, Date]

To

The General Manager (Elect),

EHT (O&M) Circle, OPTCL, Cuttack

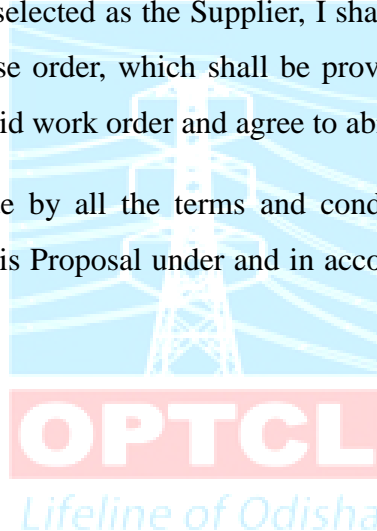
Sub: Supply of Hardware Fittings and Aluminium Clamps & Connectors with Stainless Steel Nuts & Bolts for Bus Augmentation work at 220/132/33kV Grid Sub-Station Cuttack.

Dear Sir,

With reference to your tender dated _____, I have examined all the relevant documents and understood their contents, hereby submit our Technical and Financial Proposal for the Supply of Hardware Fittings and Aluminium Clamps & Connectors for Bus Augmentation work at 220/132/33kV Grid Sub-Station Cuttack

1. All information provided in the proposal and in the Appendices is true and correct and all documents accompanying such Proposal are true copies of their respective original document. This Statement is made for the express purpose of engagement as the Contractor for the aforesaid Assignment.
2. I shall make available to the Authority any additional information if any deemed necessary or required.
3. I acknowledge the right of the Authority to reject our application without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.
4. I certify that in the last three years, we or any of our Associates have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Bidder nor been expelled from any project or contract by any public authority nor have had any contract terminated by any public authority for breach on our part.
5. I declare that:-
 - a) I have examined and have no reservations to the tender Document, including any Addendum issued by the Authority.
 - b) I do not have any conflict of interest in accordance with the prescriptions in the tender Document.

- c) I have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, as defined in the Tender Document.
- d) I hereby certify that we have taken steps to ensure that in conformity with the provisions of the tender, no person acting for us or on our behalf will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.
6. I agree and understand that the proposal is subject to the provisions in the Tender Document. In no case, shall I / we have any claim or right of whatsoever nature if the Assignment is not awarded to me / us or our proposal is not opened or rejected.
7. I agree to keep this offer valid for 180 (one hundred eighty) Days from the proposal Due Date specified in the Tender Document.
8. In the event of my firm being selected as the Supplier, I shall abide by the terms and conditions in accordance with the purchase order, which shall be provided by Purchaser. We agree not to seek any changes in the aforesaid work order and agree to abide by the same.
9. I agree and undertake to abide by all the terms and conditions in the Tender Document. In witness thereof, I/we submit this Proposal under and in accordance with the terms in the Tender Document.



Yours sincerely,

Authorized Signature [In full and initials]

Name and Title of Signatory

Name of Firm Address

ANNEXURE - 8

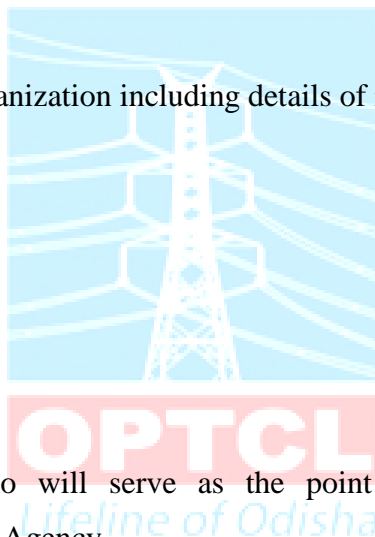
FORM –T2: INFORMATION ABOUT THE BIDDER

BIDDER ORGANISATION

1. State the Status of the Bidders Organization.

2. State the following

- Name of the Company/Firm/Agency:
- Country of incorporation :
- Registered Address :
- Year of Incorporation :
- Year of commencement of business :
- Principal place of business :
- GSTIN :
- PAN:
- Brief description about the Organization including details of its main lines of business:
 - a) Name :
 - b) Designation:
 - c) Address:
 - d) Phone No. :
 - e) Fax No. :
 - f) E-Mail Address:



3. Details of individual (s) who will serve as the point of contact / communication for AUTHORITY within the Firm/ Agency.

- a) Name:
- b) Designation:
- c) Address:
- d) Telephone No. :
- e) E-Mail Address:
- f) Fax No. :

Date:

Signature of authorized person

Place:

Name:

Seal:

ANNEXURE -9

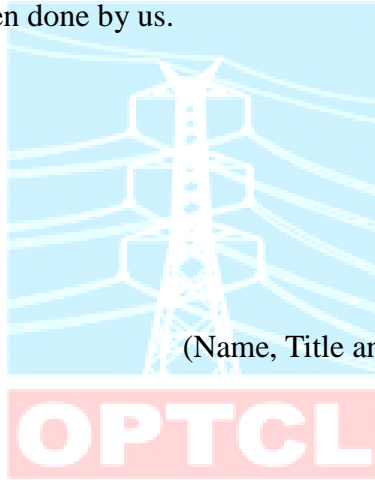
FORM –T3: POWER OF ATTORNEY

(On a Stamp Paper of relevant value as per Stamp Act)

**POWER OF ATTORNEY FOR AUTHORISED
SIGNATORY**

Know all men by these present, we _____(name and address of the registered office) do hereby constitute, appoint and authorize Mr./Ms. _____(name and address of residence) who is presently employed with us and holding the position of _____as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our proposal for [skilled manpower].

We do hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall always be deemed to have been done by us.



Executant
Signature of Attorney

(Name, Title and Address of the Attorney) Attested.

Notes:

1. To be executed by the sole Bidder.
2. The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant (s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
3. Also, where required, the executants (s) should submit for verification the extract of the charter documents and documents such as a resolution / power of attorney in favour of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.
4. In case the Proposal is signed by an authorized Director of the Bidder, a certified copy of the appropriate resolution / document conveying such authority may be enclosed in lieu of the power of Attorney.

ANNEXURE - 10

FORM-T4:

EXPERIENCE OF SIMILAR NATURE OF WORKS

Name of Bidder:

Bidders should provide information towards the Projects Undertaken / completed / all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which a full completion certificate is yet to be issued, for execution of similar nature of works.

Sl. No	Name of Project	Name of Client with address and contact numbers	Date of Award of assignment	Delivery Period	Date of delivery of items (for both completed and ongoing contracts)	Description of similar nature of work taken up	Total cost of work (in INR)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)



Date:

Signature of authorized person

Place:

Name:

Seal:

* Note: Please furnish the Purchase order /Contract copies of the works executed in support of the information mentioned above.

ANNEXURE - 11

FORM – T5

ANTI COLLUSION CERTIFICATE

(To be submitted on letter head of the bidding company with sign and stamp and along with Technical bid)

1. We certify that this proposal is made in good faith and that we have not fixed or adjusted the amount of the Proposal by, or under , or in accordance with any agreement or arrangement with any other person. We also certify that we have not and we undertake that we will not, before the award of any contract for the work.

(i) (a) Communicate to any person other than the Authority / or person duly authorized by it in that behalf the amount or approximate amount of the Proposal, or Proposed Proposal, except where the disclosure, in confidence, of the approximate amount of the proposal was necessary to obtain premium quotations required for the preparation of the proposal.

(b) Enter into any agreement or arrangement with any person that they shall refrain from bidding, they shall withdraw any Proposal once offered or vary the amount of any Proposal to be submitted.

(ii) Pay, give or offer to pay or give any sum of money or other valuable considerations directly or indirectly to any person for doing or having done or having caused to be done in relation to any other proposal or proposed proposal for the work, any act or thing of the sort described at (i) (a) or (i) (b) above.

2. We further certify that the principles described in paragraphs (i) and (ii) above have been or will be, made on the basis of compliance with the above, principles by all parties.

3. We are not part of any “Anti-competitive practice” such as collusion, bid rigging or anti-competitive arrangement, or any other practice coming under the purview of the Competition Act, 2002 as amended from time to time, between two or more bidders, with or without the knowledge of the OPTCL (Authority), that may impair the transparency, fairness and the progress of the manpower service process or to establish bid prices at artificial, non-competitive levels.

4. In this certificate, the word “person” includes any persons or anybody or association, corporation, “any agreement or arrangement” includes any transaction, formal or informal and whether legally binding or not, and “the work” means the work in relation to which this proposal is made.

Dated thisDays of2020

Name of the Bidder.....

Signature of the designated person.....

Name of the designated person.....

ANNEXURE -12

FORM – T6:

FINANCIAL CAPABILITIES OF THE BIDDER

Bidders are required to complete the information in this form. The information supplied shall be the annual turnover of the Bidder, in terms of the amount billed to clients for each year for work in progress or completed.

<Name of Bidder >

FINANCIAL CAPACITY OF BIDDER

Sl. No	Financial Year last 3 FYs	Financial Turnover from execution of similar nature of work	Net Worth
(1)	(2)	(3)	(4)
1			
2			
3			

Certificate from the Statutory Auditor

This is to certify that (name of the Bidder) has received the payments shown in column 3 above against the respective years on account of providing Manpower service and has net worth as shown in column 4 above.



Date:

Signature of the Statutory Auditor

Place:

Name:

Seal:

ANNEXURE -13

BID SECURITY DECLARATION FORM

(To be submitted on letter head of the bidding company with sign and stamp and along with Technical bid)

To,

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

I /We, the authorized signatory of M/s, participating in the E-Tender Call Notice No: _____ dated _____ for the work of....., do hereby declare:

(i) That I/we have availed the benefit of waiver of EMD while submitting our offer against the subject Tender and no EMD has been deposited for the said tender.

(ii) That in the event we withdraw/ modify our bid during the period of validity Or I/we fail to execute the formal contract agreement within the given timeline Or I/we fail to submit a Performance Security within the given timeline Or I/we commit any breach of Tender Conditions/ Contract which attracts penal action of forfeiture of EMD, I/we will be suspended from being eligible for bidding/ award of all future contract(s) of EHT (O&M) Circle, OPTCL, Cuttack for a period of three (3) years from the date of committing such breach.

Signature and Seal of Authorized Signatory of bidder

Name of Authorized Signatory.....

Firm/Proprietorship Name.....

ANNEXURE -14

REVERSE AUCTION PROCESS COMPLIANCE

(To be incorporated along with the bid document).

(To be submitted on letter head of the bidding company with sign and stamp and along with Technical bid)

To,

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

Sub: Agreement to the Process related Terms & Conditions for e-Reverse Auction.

Dear Sir,

This letter is to confirm that:

- The undersigned is authorized representative of the company.
- We have studied the Commercial Terms and the Business rules governing the Reverse Auction as mentioned in your tender and confirm our agreement to that.
- We also confirm that we have gone through the auction manual and have understood the functionality of the same thoroughly.
- We, hereby, confirm that we will honour the Bids placed by us during the tendering/ e-Reverse auction process as called as e-RA.
- We also confirm that we will accept our Rank / Position that will be displayed when the Bidding Time for the Online Reverse Auction is over.

With regards,

Signature with Designation with company seal