

## **ODISHA POWER TRANSMISSION CORPORATION LTD**

(A Government of Odisha Undertaking) CIN – U40102OR2004SGC007553 REGD. OFFICE: JANPATH, BHUBANESWAR – 751022,

OFFICE OF THE GENERAL MANAGER, (Elect) *EHT (O&M) Circle, Bhubaneswar. At:- Madhusudan Nagar, P.O:- Tulsipur, Cuttack-753008.* <u>Tel-/FAX-(0671)-2300547, E-mail: ehtm.cle.ctc@optcl.co.in</u>

## **TENDER SPECIFICATION NO- 06/BBS/2017-18**

## REPAIRING AND RECOUPING OF 126 NOS OF LEGS AT DIFFERENT LOCATIONS OF 132KV CHANDAKA-MENDHASAL-KHURDA LINE & 132KV CHANDAKA-BIDANASI

## LINE

## PART-I

SECTION-I-	INSTRUCTION TO TENDERERS
SECTION-II-	GENERAL CONDITIONS OF CONTRACT
SECTION-III-	<b>TECHNICAL SPECIFICATION &amp; SCHEDULE OF</b>
	QUANTITY
SECTION-IV-	LIST OF ANNEXURES

## PART-II

#### **COMMERCIAL AND PRICE BID (In Excel Sheet Format)**

Request for online tender documents	From	dt	06.11.2017 (10.00 Hrs)
	То	dt	20.11.2017 (12.30 Hrs)
Issue of online tender documents:	From	dt	06.11.2017 (10.01 Hrs)
	То	dt-	20.11. 2017 (17.00 Hrs)
Last date of submission of online tender:		dt	21.11 .2017 ( up to 17.00 Hrs)
Date of opening of Tender -	On	dt	22.11.2017 (16.00 Hrs)

#### **TELEPHONES / CONTACTS**

- 1. General Manager: 09438907551
- 2. TA to General Manager: 9438907673
- 3. Office Land Line: 0671-2300226 / 2307386

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



ODISHA POWER TRANSMISSION CORPORATION LTD. (A Government of Odisha Undertaking) CIN – U40102OR2004SGC007553 REGD. OFFICE: JANPATH, BHUBANESWAR – 751022, OFFICE OF THE GENERAL MANAGER, (Elect) EHT (O&M) Circle, Bhubaneswar. At :- Madhusudan Nagar P.O:- Tulsipur, Cuttack-753008. Tel- 0671-2300226 / 0671-2307386, E-mail-ehtm.cle.bbs@optcl.co.in

## E-TENDER NOTICE NO. 06/BBS/2017-18

For and on behalf of ODISHA POWER TRANSMISSION CORPORATION LTD., General Manager, EHT (O&M) Circle, Bhubaneswar invites Tenders from reputed bidders having civil contractor license issued by Govt. of Odisha/Railways/ Military for the work of REPAIRING AND RECOUPING OF 126 NOS OF LEGS AT DIFFERENT LOCATIONS OF 132KV CHANDAKA-MENDHASAL-KHURDA LINE & 132KV CHANDAKA-BIDANASI LINE.

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 **06.11.2017** (**10.01 Hrs**) to dt- 20.11.2017 (**17.00 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 <u>http://www.optcl.co.in</u> and <u>www.tenderwizard.com/OPTCL only.</u>

GENERAL MANAGER EHT (O&M) CIRCLE, BHUBANESWAR



## ODISHA POWER TRANSMISSION CORPORATION LTD., CIN – U40102OR2004SGC007553 REGD. OFFICE: JANPATH, BHUBANESWAR – 751 022, OFFICE OF THE GENERAL MANAGER, (Elect) EHT (O&M) Circle, Bhubaneswar. At :- Madhusudan Nagar P.O:- Tulsipur, Cuttack-753008. Tel- 0671-2300226 FAX-0671-2300547, E-mail-ehtm.cle.ctc@optcl.co.in

# NOTICE INVITING TENDER

## E-TENDER NOTICE NO- 06/BBS/2017-18.

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

Tender Specification No: EHTM/GM/06/BBS/2017-18

Request for online tender documents –	From	06.11.2017 (10.00 Hrs)
	То	20.11.2017 (12.30 Hrs)
Issue of online tender documents (bid sheets)-	From	06.11.2017 (10.01 Hrs)
	То	20.11. 2017 (17.00 Hrs)
Last date of submission of online tender-	Upto	21.11 .2017 ( 17.00 Hrs)
Date of opening of Tender	On	22.11.2017 (16.00 Hrs onwards)

Cost of Tender Spec. Document:	Rs. 6000/ + Rs 720/- (GST @ 12%) = Rs 6,720/-		
Earnest Money Deposit:	Rs 18,000/-		
Tender Processing Fee:	Rs1,800/- + Rs 324/- (GST @ 18%)= Rs 2,124/-		

Sl. No	Description of Work	Unit	Qty
1	Repair of damaged stubs with excavation around tower legs, breaking of damaged concrete, cutting of angles / cleats, making of holes, welding / nut bolting with leg, concreting, back filling for complete repair as per the Specification (including supply of materials, T & P, labour etc. except GI Angle) Required quantity of angle are to be supplied departmentally)	NO	126

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 **Rs6720/-** (**Rupees Six thousand seven hundred and twenty only**) non refundable including GST @ 12%) towards the cost of tender document, in the form of Demand draft only, drawn in favour of EHT (O&M) Circle, 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.

The bidders shall have to submit a non refundable amount of Rs 2124/- (Rupees two thousand one hundred and twenty four 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, Net Banking)

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 <u>www.tenderwizard.com</u>/OPTCL by clicking on hyper link "Register Me".

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

## GENERAL MANAGER EHT (O&M) CIRCLE, BHUBANESWAR

## 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 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.

- 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 etendering 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.

- a) Click "Un Applied" to view / apply for new tenders.
- b) Click on Request icon for online request.
- c) 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:
  - a) Click to view the tender documents which are received by the user.
  - b) Tender document screen appears.
  - c) 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.
  - a) Prior to submission, verify whether all the required documents have been attached and uploaded to the particular tender or not.
  - b) 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.

Part -I consists of	
SECTION-I-	INSTRUCTION TO BIDDERS
SECTION-II-	GENERAL CONDITIONS OF CONTRACT
SECTION-III-	TECHNICAL SPECIFICATION & SCHEDULE OF QUANTITY
SECTION-IV-	LIST OF ANNEXURES
Part II consists of	

COMMERCIAL AND PRICE BID

The Tenderers are required to submit the tenders in single part.

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

The Purchaser may alter the quantities of work 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 bidder for any particular item, in the interest of OPTCL.

#### 4. <u>Purchaser's right to accept/reject bids:</u>

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] <u>Telegraphic or FAX tenders</u> shall not be accepted under any circumstances.

#### 6. <u>Earnest money deposit:</u>

The tender shall be accompanied by Earnest Money deposit of value specified in the notice inviting tenders against each bid. Tenders without the required EMD will be rejected out rightly. The earnest money deposit shall be furnished in shape of **Bank Draft (Only)**:-To be drawn in favour of **EHT (O&M) Circle, OPTCL, Cuttack,** *Payable at Cuttack.* 

#### NOTE:-

- a) No adjustment towards EMD shall be permitted against any outstanding amount with the ODISHA POWER TRANSMISSION CORPORATION LTD.
- b) In the case of un- successful tenderer, the EMD will be refunded after finalization of the tender on written request. In the case of successful Tenderer, this will be refunded on written request only after award of contract & on submission of security deposit.
- c) Suits, if any, arising out of this clause shall be filed in a Court of law to which the jurisdiction of High Court of ODISHA extends.
- d) EMD will be forfeited if the tenderer fails to accept the purchase order and/or work order issued in his favour or to execute the order, placed on them.
- e) Tenders not accompanied by Earnest Money shall be disqualified.
- f) EMD carries no Interest
- g) The EMD not claimed for refund within a period of one year from the date of issue of Purchase/ Work orders and the Security Deposit not claimed for refund within a period of three years after completion of contract, will be forfeited.

#### 7. Validity of the Bids: -

The bidders are requested to keep the validity of their offer for a period of **180** days from the date of opening of the tender, failing which the tenders will be rejected.

#### 8. <u>PRICE: -</u>

The bidders are advised to quote their rate as per the price schedule attached with this specification and shall remain firm within the validity of the tender. The bidders are advised to have a site visit before filling the tender.

#### 9. <u>Tenderers to be fully conversant with the clauses of the Specification:</u>

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, Bhubaneswar. This, however, does not entitle the Tenderer to ask for time beyond due date, fixed for receipt of tender.

#### 10. Documents to Accompany Bids.

Tenderers are required to submit tenders in the following manner:

- a) Declaration Form as per Annexure-I (duly signed) to be uploaded in .pdf format.
- b) Earnest Money (scanned copy is to be uploaded)
- c) Abstract of Terms & conditions in prescribed proforma as per <u>Annexure-II</u>. To be keyed in, 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 <u>as per</u> the Specification.(Scanned copy to be uploaded)
- f) GST Registration certificate, Civil License & Permanent Account Number [PAN] of the firm is required under Income tax Act. (Scanned copy to be uploaded).
- g) Any other document required, is to be uploaded.
- h) Schedule of prices in the prescribed proforma in the price bid sheet provided in .xls format.

#### 11. Conditional Offer:

Conditional offer shall not be accepted.

#### 10. General: -

- a) The tenderer must get him registered in tender portal by paying an amount of Rs. 2360/ through e-payment gateway. This registration is valid for one year.
- b) The tender paper cost (Form fee non refundable) for an amount of Rs 6720/- is to be deposited in form of E-tender.
- c) The tender processing fee for an amount of Rs 2124/- (Nonrefundable) is to paid to KSEDC Limited, Bangalore through e-payment gateway.
- d) The EMD amount as specified is to be paid in shape of DD.
- e) 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.
- f) Notice inviting tender shall form part of this specification.
- **g**) The EMD, shall be returned to the unsuccessful bidders after finalization of tender on written request.

- **h**) It should be distinctly understood that the price bid shall contain only details/documents relating to price, as mentioned herein above.
- i) The Tenderer must submit the EMD amount, cost of tender document in shape of draft 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 21.11.2017 up to 5.00 PM.
- j) The estimated quantity as indicated in Schedule of Quantity of Section III may vary as per site requirement and hence 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.
- **k**) The tenderer must observe all the safety rules while working in EHV environment.

# <u>PART I</u>

#### SECTION-II

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

#### 1. <u>Scope of the contract:</u>

The scope of contract covers "Repair of damaged stub with excavation around tower legs, breaking of damaged concrete, cutting of angles / fabrication of cleats, making of holes, nut bolting and welding with tower legs, applying with zinc rich paint, concreting leg base, back filling for completing the repair work in all respect as per the Specification and as per the instruction of Engineer-in-charge. The scope also covers supply of all the required materials except GI angle which are to be supplied departmentally,T & P, labour, transportation & mobilization etc. to different locations of 132 KV Chandaka-Mendhasal-Khurda line 132KV Chandaka-Bidanasi line

#### 2. <u>Definition of terms:</u>

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

- 2.1. "The Purchaser" shall mean the General Manager, EHT (O&M) Circle, Bhubaneswar for and on behalf of ODISHA POWER TRANSMISSION CORPORATION LTD, Bhubaneswar.
- 2.2. "The Engineer" shall mean the Engineer appointed by the Purchaser for the purpose of this contract.
- 2.3. "Purchaser's Representative" shall mean any person or persons or consulting firm appointed and remunerated by the Purchaser to supervise, inspect, test and examine workmanship and materials of the equipment to be supplied.
- 2.4. "The Contractor" 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. "Contract Price" shall mean the sum named in or calculated the bid.
- 2.6. "General Condition" shall mean these General Terms and Conditions of Contract.
- 2.7. 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.
- 2.8. "Month" shall mean "Calendar month".
- 2.9. Writing" shall include any manuscript, type written, printed or other statement reproduction in any visible form and whether under seal or under hand.
- 2.10. "FOR Destination costs" shall mean the cost at our work site. The GST is to be calculated extra.

- 2.11. The term "Contract document" shall mean and include GTCC, specifications, form of tender, Notice Inviting Tender, covering letter, schedule of prices or the final General Conditions, any special conditions, applicable to the particular contract.
- 2.12. 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:

Repairing and recouping of the tower legs should be done as per the instruction of the engineer – in- charge. All the work shall be taken as per the civil engineering procedure. The work is to be done while strictly adhering to the Technical Specification of **Section III.** 

#### 4. PERIOD OF EXECUTION:-

The work shall be carried out and completed in all respect within 60 days from the date of issue of this work order.

5. <u>INSPECTION/SUPERVISION:</u>- Necessary inspection/supervision of the work will be done by the consignee / Supervising officer during execution of work. The steel materials if required to be used are to be inspected by the engineer in charge before taking up the work.

#### 6. Language and measures:

All documents pertaining to the contract including specifications, schedule, notices, correspondence, operating and maintenance instructions or any other writing shall be written in English language. The metric system of measurement shall be used exclusively in this contract.

## 7. <u>Right to reject / accept any tender</u>:

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 OPTCL. **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 work at the time of placing final work order.

#### 8. <u>COMPENSATION</u>: -

The contractor shall be fully responsible for paying compensation, if any, under the Workmen Compensation Act on account of workmen deployed by him. He must have followed all the safety rules and provide all the required protective equipments to his workmen as they are to work in the surrounding of Extra High Voltage System. OPTCL in no way will be responsible for payment of any compensation.

#### 9. FORCE MAJEURE:

The Contractor shall not be liable for any penalty for delay or for failure to perform the contract for reasons of force majeure such as acts of god, acts of the public enemy, acts of Govt., Fires, floods, epidemics, Quarantine restrictions, strikes, Freight Embargo and provided that the Contractor 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.

### 10. Extension of time:-

If the Completion of work is delayed due to reasons beyond the control of the Contractor, the Contractor 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 period date as may be reasonable but without prejudice to other terms and conditions of the contract.

#### 11. Guarantee period: -

The guarantee period for this contract shall be One Year. Any defect / deviation if noticed during this period shall be immediately rectified free of cost on written notice from the consignee, failing which the security deposit shall be forfeited.

#### 12. GST REGISTRATION, PAN CARD & CIVIL LICENSE:

Clear attested Xerox copies of PAN No./ Valid GST registration & clearance certificate / Civil contractor license issued by Govt of Odisha / Railways / Military valid on the date of opening of tender should be submitted along with tender, without which tender will be rejected. The Contractor may be requested to produce original PAN card, GST registration and clearance certificate as applicable & Civil contractor license and all other relevant documents for verification. Those who fail to produce the same and found not to be valid on the date of opening of tender, their tenders will be rejected.

13. <u>OUANTITY VARIATION</u>: The quantity to be ordered may undergo revision at the time of the placement of orders

## 14. <u>SECURITY DEPOSIT TOWARDS, 100% PAYMENT AND PERFORMANCE</u> <u>GUARANTEE:</u>

The successful tenderer will be required to deposit a sum amounting to 10% of value of the contract in shape of Bank Draft from any nationalized bank valid for up to two months after the guarantee period, drawn in favour of the paying officers, within 15 days of receipt of the work order. In the event of any breach or default in all or any conditions of the work order, the G.M., EHT (O&M) Circle, Cuttack may forfeit the whole amount of Security deposit. No interest will be paid on the security deposit and will be released after expiry of the guarantee period by the paying officer. The security value must be deposited prior to execution of work.

#### 15. Terms of Payment.

 a) 100% of the Contract Value with GST shall be paid after successful completion of the work, subject to approval of the Guarantee Certificate by the Ordering Authority and deposit of security amount.. b) Deduction of Tax shall be made as per the prevailing norms of OPTCL

#### 16. Penalty for Delay in Completion of Contract

Penalty shall be imposed @ 0.5% (half percent) of contract price for each calendar week of delay or part thereof subject to maximum of @ 5% (five percent) of contract amount. Charges towards penalty shall be counted after scheduled date of completion / issue of clear instruction to the contractor for commencement of works by the General Manager, E.H.T (O&M) Circle, Bhubaneswar /concerned Deputy . General Manager, E.H.T (O&M) Divisions.

#### 17. Jurisdiction of the High Court of ODISHA

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

#### 18. Correspondences.

- a) Any notice to the Contractor under the terms of the contract shall be served by Registered Post or by hand at the Contractor's Principal Place of Business.
- **b**) Any notice to the Purchaser shall be served at the Purchaser's Principal Office in the same manner.

#### **Official Address of the Parties to the Contract**

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

(i)	Purchaser:	General Manager,
		EHT (O&M) Circle, Bhubaneswar, OPTCL
		At:- Madhusudan Nagar, P.O:- Tulsipur, Cuttack, Odisha
		Pin-753008
		Telephone No. 0671 – 2300226
( <b>ii</b> )	Supplier:	Address
		Telephone No.
		Fax No.

#### 19. 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 prescribed EMD shall be submitted on or before the last date and time of submission of the bid.
- d) The Tender shall be kept valid for a minimum period of 180 days from the date of opening of tender.

- e) The schedule of prices should be filled up fully to indicate the break-up of the prices including taxes and duties. Incomplete submission of this schedule will make the tender liable for rejection.
- f) Non submission of documents as per clause no.12 of this section.
- g) Abstract of general terms and conditions of contract.

## <u>PART – I</u> <u>SECTION - III</u> A. <u>TECHNICAL SPECIFICATION</u>

- 1. The Scope of work:- The scope of works covers the following works.
  - a) Gas cutting of 100X100X10mm of GI angle of 1mtr length for making cleats & fixing in outer & inner side of rusted tower leg by bolting.
  - b) Making 16nos. 16mm (5/8") hole in a cleat as per the attached diagram & cutting the old riveted nuts and bolts in a leg by gas by a skilled cutter with transportation of all cutting items from tower to tower.
  - c) Excavation (70cm x 70cm x70cm) from ground all around the tower legs.
  - d) Breaking of old chimney concrete of size 1mtr of tower stub.
  - e) Fixing of the inner and outer cleats at the tower legs, first by bolting using nuts and bolts and then by full continuous electric welding the cleat edges along with the tower legs with supply of all materials and transportation of DG set and welding machine.
  - f) Painting of the repaired tower legs with zinc based paint (Asian/Berger make).
  - g) Recouping of tower legs by concreting with RCC in ratio of 1:1.5:3 with supply of sand, 12mmHBG chips, cement, and required size of **Tor** Rod of TATA/SAIL make and all other materials with curing water at least for 7 days.
  - h) Requirement of GI Angle:
    - 1. Weight of 100mm GI Angle: 14.9 kg/m
    - 2. Requirement of GI angle:- 100X100X10mm of 1 Meter each: 126 Nos
    - 3. Weight of GI angle: 1mtr x 126 legs x 14.9 kg/m = 1877.4 kg
    - 4. Total considering 10% surplus: 1877.4kg + (10% Excess: 187.74 kg) = 2065.14 kg

Or say 2070 kg

- 5. Requirement of Nut& Bolt:- 16mmX65mm nuts & bolts @ 3kg per leg X 126nos.of legs
  = 378 kg
- 2. Supply of Materials:- All required materials, consumables, nut bolts, paint are to be supplied by the Contractor and must be of approved quality. Different sizes of steel rod to be used must be of TATA/SAIL make. The materials are to be inspected by the representative of OPTCL before utilization of the same. The required amount of angle will be supplied departmentally. All other materials which have not been mentioned and are required at site for proper execution of the work shall also be supplied by the contractor.
- **3.** Workmanship:- The work shall be carried out as per standard Civil Engineering procedure & as per the instruction of the site in-charge.

**4. Program and Progress of work:-**The contractor shall submit the detailed program of work to the Consignee three days prior to commencement of the work so as to make adequate supervision by the Engineer in charge.

#### B. SCHEDULE OF QUANTITY

#### Name of the tower lines:

#### a) <u>132KV Chandaka-Mendhasal-Khurda Line tower/location:-</u>

#### Tower Locations for Repairing and Recouping:

- 1 Loc. No: 38,76,79,114 : 4 locations x 4 = 16Legs
- 2 Loc. No: 13,31,42,47,48,96,115: 7locations x 3 = 21Legs
- 3 Loc. No: 7, 2, 21, 29, 40, 51, 56, 57, 58, 65, 67, 70, 77, 85, 95, 105: 15locations x 2legs = 30legs
- 4 Loc. No: 49,55, 59, 60, 64, 66, 75, 80, 83, 86, 104, 106, 116, 121: 14locations x 1leg = 14legs

#### Total: 81 Legs

#### 5 132KV Chandaka-Bidanasi Line tower/location:-

#### Tower Locations only for Repairing and Recouping:

- 1. Loc. No: 21, 22, 23, 39, 40: 5 locations x 4 Legs = 20Legs
- 2. Loc. No: 24, 47: 2 locations x 3 = 6Legs
- 3. Loc. No: 26, 28, 30, 45, 48, 49,50: 7 locations x 2 = 14 Legs
- 4. Loc. No: 25, 34, 36, 38, 46: 5 locations x 1 = 5 Legs

#### **Total: 45 Legs**

# SECTION-IV [LIST OF ANNEXURES]

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

Sl. No	Description	Annexure
1	Declaration form	ANNEXURE-I
2	Abstract of terms and conditions to accompany Section-II of Part-I	ANNEXURE-II (To be filled in Commercial & Price Bid Sheet)
3	Bidders Documents and Details	ANNEXURE- III (To be filled in Commercial & Price Bid Sheet)

## ANNEXURE - I DECLARATION FORM

То

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

Sub: - Tender Specification No-\_\_\_\_\_

Sir,

- 1. Having examined the above specification, scope together with terms & conditions, corrigendum ,if any, referred to there in, I/We the undersigned hereby offer to take up the work including supply of materials , labour charges & T&P 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 to complete the work within the time specified in the Tender.
- 3. I / We hereby guarantee the technical particulars given in the Tender supported with necessary reports from concerned authorities.
- 4. I/We certify to have submitted the bid electronically by remitting \*cash/money order /D.D./ remitting the cost of tender, herewith and this has been acknowledged by your letter/ money receipt No. Dated,
- 5. In the event of Tender, being decided in \*my/our favour, \* I/We agree to furnish the Composite B.G. in the manner, acceptable to ODISHA POWER TRANSMISSION CORPORATION LTD., and for the sum as applicable to \*me/us as per clause-14 of section-II of this specification within 15 days of issue of letter of intent/purchase order failing which \*I/We clearly understand that the said letter of Intent/Purchase order will be liable to be withdrawn by the purchaser, and the EMD deposited by us shall be forfeited by OPTCL.

Signed this

day of

2017

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).