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Lifeline of Odisha

ODISHA POWER TRANSMISSION CORPORATION LTD.

OFFICE OF THE GENERAL MANAGER: ELECT.

EHT (O&M) CIRCLE: CHAINPAL

AT/PO: CHAINPAL COLONY, PIN-759104, and DIST: ANGUL (ODISHA)

PH. NO.06760-211089/ FAX-06760-249222.

Email: ehtm.cle.chp@optcl.co.in

TENDER SPECIFICATION

NO.20/2016-2017

FOR

**FOR INSTALLATION AND ERECTION OF 2ND STATION TRANSFORMER AT
GRID S/S RENGALI UNDER EHT (O&M) CIRCLE CHAINPAL.**

SALE OF TENDER SPECIFICATION:	DT. 21-11-2016
LAST DATE SALE OF TENDER SPECIFICATION:	DT. 30-11-2016
LAST DATE OF SUBMISSION OF TENDER:	DT. 01-12-2016
DATE OF OPPENING OF TENDER:	DT. 01-12-2016
COST OF TENDER PAPER: RS 2000.00+05% VAT (Rs 2100.00)	

ISSUED TO,

OPTCL

M/S.....

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SECTION-1



ODISHA POWER TRANSMISSION CORPORATION LTD.
(A Government of ODISHA Under Taking)
OFFICE OF THE GENERAL MANAGER: ELECT.
EHT (O&M) CIRCLE: CHAINPAL, AT/PO: CHAINPAL COLONY,
DIST: ANGUL (ODISHA), Pin-759104
PH. NO.06760-211089, Email-ehm.cle.chp@optcl.co.in

TENDER CALL NOTICE NO. 20/ 2016-17

The General Manager (Elect.), E.H.T. (O&M) Circle, Chainpal invites sealed Tenders in duplicate from intending Bidders Having valid HT/MV Electrical Contract License with PAN and Service tax regd. for Installation and Erection of 2nd Station Transformer at Grid S/S Rengali under EHT (O&M) Circle Chainpal.

The tender specification can be obtained from the office of The GM EHT (O&M) CIRCLE, CHAINPAL on payment of **Rs. 2000/- (Two Thousand only) + VAT @ 5% (Non Refundable)** in shape of **Cash (Legal Tender Only as per RBI)/Bank Draft** in favor of EHT (O&M) CIRCLE, CHAINPAL payable at , TTPS, Talcher on any working day upto **01.00PM from Dt.21-11-2016 to Dt.30-11-2016**. In case the B.D made from any other nationalized bank payable at any clearing branch at Talcher/Angul will be allowed, But the bidders have to deposit the collection fee (Bank transaction fee) along with the paper cost. The collection fee & Paper cost is **Nonrefundable**. Additional amount of Rs.100/- (One Hundred only) may be paid extra for postal delivery of the tender specification. The undersigned shall not be held responsible for any postal delay.

The Tender shall be received Up to 01.00 PM of dated 01.12.2016 & will be opened at 03.30 Hours of same day in the Office of the undersigned in the presence of the Bidders (or) their Authorized Representatives present if any. If any of the above date happens to be a holiday, the next working day will be the corresponding effective date. One Tender paper shall be issued to one Bidder. E.M.D @ 1% of the total quoted value should be deposited in shape of Demand Draft / Cash in favour of E.H.T. (O&M) Circle, Chainpal & payable at "UCO Bank", TTPS Branch along with Self Attested Copy of PAN and Service Tax Registration Certificate failing which the tender will be liable for rejection.

The bidder should superscribe only the "Tender Call Notice No. & Date of Opening of the tender on the body of the Sealed Envelope". Bidder should not write their name or any other information on the body of the sealed envelope. Super scribing any other information on the body of the envelop. Conditional tender, Incomplete tender, Telegraphic / Fax / E-mail (etc.) Tenders & Tenders not accompanied with requisite amount of E.M.D. will be rejected. The authority reserves all rights to reject any, all or part of the Tender, alter/modify the requirement/ delete any part of the tender without assigning any reason thereof.

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

GENERAL MANAGER

Energy is precious. Save it.

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SECTION-II

INSTRUCTIONS TO BIDDER

1. The contract shall be valid only for a period of 06 (Six) months from the date of opening of tender. The department reserves the right also to terminate the contract at any time during the contract period without assigning the reasons thereof.
2. The authority reserves the right to award the contract among any responsive bidders against this tender. Besides this, the authority reserves the right to accept or reject any or all tenders without assigning any reason thereof.
3. **The bidder has to submit all the documents as mentioned in Clause No.11 of SECTION-III. Also the documents must valid on the date of opening of tender should be submitted along with tenders, failing which the tender will be rejected. The bidder or their authorized representatives should produce the original documents mentioned in Clause No.11 of SECTION-III for verification at the time of opening of the tender. Those who fail to produce the same and found not to be valid on the date of opening of tender not matching with the Xerox copy submitted by the bidder; their tenders will be out rightly rejected. In case if only one bidder participate in the tender process or nature of urgency of work (decided by this office), then undersigned may consider the case (*but not mandatory) & he will be given a chance to produce original documents in this office within one week from the date of opening of the tender.**
4. In case of any dispute arising either in supply of material or any clause of agreement/ work order, the decision of the Unit Head, will be final and binding on the Bidder.
5. Tender with over writing, erased, illegible rates or rates not shown in figures and words in English will be liable for rejection. In case of discrepancy between words and figures noted against each item of the tender and between unit rates and total amount, the decision of the Competent Authority (Committee or Unit Head) accepting the tender will be final and binding on the bidders. Total of item and grand total of whole tender be clearly written. Correction in the tender, if un-avoidable, should be made by re-writing with dated initial of the bidder after scoring out wrong entries, clerical and arithmetical mistakes may result in the rejection of the tender.
6. The bidders shall sign on all pages of the tender document as a token of acceptance of all terms and conditions thereof and submit his quotations therein.
7. 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.
8. Request from the bidder in respect of additions alternations, modifications, corrections of either terms or conditions or rates after opening of the tender will not be considered.
9. All correspondence relating to the tender shall be made with General Manager (El.), E.H.T. (O&M) Circle, OPTCL, Chainpal.

N.B:-

- i) *All the materials required for work shall be of good quality relevant to concern IS. Engineer in charge shall ensure the quality of material supplied.*
- ii) *The Rate quoted by the bidder will be judged as per the recent Market price, Estimate & OPWD code.*

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SECTION-III

GENERAL TERMS & CONDITIONS OF CONTRACT

Sealed tenders are invited in duplicate from intending Bidders having valid HT/MV Electrical Contract License with PAN and Service tax regd. for Installation and Erection of 2nd Station Transformer at Grid S/S Rengali under EHT (O&M) Circle Chainpal.

1. SUBMISSION & OPENING OF TENDER:-

Tender shall be submitted with other documents in duly sealed envelope super scribed on the body of envelope "Tender for **Installation and Erection of 2nd Station Transformer at Grid S/S Rengali**". The bidder should write only Tender Specification No, the name of work and date of opening of the tender on the body of the sealed envelope. Bidder should not write their name or Agency name on the body of the sealed envelope which may make the offer liable for rejection.

2. RIGHT & AUTHORITY FOR REJECTION:- Tenders received after due date and time will be summarily rejected. The General Manager (Electrical), E.H.T. (O&M) Circle, Chainpal reserves the right to reject any or all of the tenders without assigning any reason thereof.

3. VALIDITY OF OFFER:- The offer should be firm and valid for a period of at least 120 days from the date of opening of tenders. Unless the tender will be rejected.

4. EARNEST MONEY DEPOSIT:- The tender should be accompanied with 1% of the total quoted amount towards Earnest Money Deposit (EMD) in shape of **Cash (Legal Tender Only as per RBI)/ Bank Draft** in favour of EHT (O&M) CIRCLE, CHAINPAL payable at UCO Bank, TTPS, Talcher otherwise tender will be out rightly rejected. **In case the B.D made from any other nationalized bank payable at any clearing branch at Talcher/Angul will be allowed, But the bidders have to deposit the collection fee (Bank transaction fee) along with the EMD. The collection fee is Nonrefundable & It can't be taken into account of EMD deposit.** The EMD of the unsuccessful bidders will be returned after finalization of tender. The EMD of the successful bidders will be returned only after the Security money deposited as per the clause No.(6) in Section (III). In case of successful bidder fails to execute the order satisfying all terms & conditions or also fails to commencement of work within stipulated date mentioned in the date of order, the Earnest Money Deposit will be forfeited. No interest will be paid on the EMD to any participator. No other mode than above for EMD Deposit will be accepted & bidder will be out rightly rejected.

5. PRICE:- The bidders are advised to quote their rate as per the price schedule in Section-IV with break up prices including of all Taxes & Duties and shall remain upto the validity of tenders.

6. SECURITY DEPOSIT:- The bidders whose offer qualifies for acceptance will be awarded work order for execution of the works and the bidder shall have to deposit security amount equal to 10% (ten percent) of contract value in shape of cash/bank draft drawn in favour of respective Divisional/Unit Head, of OPTCL, The security deposit shall be released after two months of the guarantee period as stated under clause-10 of SECTION-III on receipt of application for this purpose. No Interest shall be paid to the bidder towards the security deposit so deposited by the Bidder. The security deposit shall be deposited with the respective paying officer of OPTCL prior to commencement of work. The security deposit shall be released after expire of Guarantee period. In case of Non fulfillment of contractual obligation by the supplier, the same so deposited shall be forfeited.

AGREEMENT-An agreement should be made with Divisional/Unit Head, of OPTCL before execution of work with a non judicial stamp paper of Rs.101.00/- at the time Deposit of Security amount mentioned above.

7. COMMENCEMENT & COMPLETION OF WORK:- The works awarded should be commenced from 15 days of the award of the contract and completed within 60 days. If the work could not be completed within scheduled date due to any valid reason, then completion period may be extended on

written request by the Bidder. If the work will not commence & complete within the stipulated period, then the penalty should be imposed as per clause No.08 of SECTION-III.

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

9. TERMS OF PAYMENT: - 100 % (one hundred percent) payment against Security Deposit along-with full taxes and duties (if any) shall be made after successful completion of the work in all respect and verification reports thereof by respective consignee and Paying Officer and on receipt of funds from Head Office in this regard. After complete execution of work, the bidder shall produce the printed bills to the respective consignee/Paying Officer for effecting payment.

10. GUARANTEE PERIOD: - The work done by the contractor as per contract specification should be guaranteed for satisfactory operation and against any defects, in materials & the workmanship for a period of 18 months from the date of completion of the work or 12 months from the date on which transmission lines/Sub-stations equipment has been put to service, whichever is earlier. The above guarantee certificate shall be furnished in triplicate to the Paying officer for approval. Any defects noticed during the period shall be rectified by the contractors at its own cost, without any financial burden to OPTCL.

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

- i) **HT/MV Electrical License.**
- ii) Service Tax Registration Certificate from the Central Excise Deptt.
- iii) Valid PAN/ TIN.
- iv) VAT Regtd. & VAT CC
- v) Experience Certificate (weightage will be given in tie condition)

12. ADDITION OR DELETION OF CONTRACT:- The Contract may be altered in quantum as per exigencies of work. The bidder shall accordingly provide services as may be required by the Officer- in -Charge on being given a notice of 15 days

13. ARBITRATION:- In the event of any dispute arising out his contract. The same shall be referred for arbitration to the Director (HRD) OPTCL, Bhubaneswar or any arbitrator appointed by the Chairman- Cum- Managing Director, OPTCL after due notice of claim and such appointment and the award of the arbitrator shall be final and binding arbitration and conciliation Act. 1996 shall apply. The venue of arbitration will be Bhubaneswar.

14. CONSIGNEE:- The AGM/Manager/SDO, of Grid S/S Rengali will be the consignee for the contract.

15. PAYING OFFICER:- The DGM, EHT(O&M) Division, Chainpal is the paying Officer for contract.

16. JURISDICTION OF COURT:- Suits if any, arising against the work order to be issued to the Bidder shall be filled by either party in any court of law to which the jurisdiction of Odisha High Court extends.

17. SAFETY PRACTICE:- The Bidder must be followed the OPTCL safety Rule while performing the work. The workmen must provided Safety equipment by the contractor while performing the works .No deviation will be allowed and the consignee has got any power to stop the work at any time on the breach of safety practice.

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SECTION-IV

TECHNICAL SPECIFICATION & PRICE SCHEDULE

TECHNICAL SPECIFICATION:-

The Scope of work: - The scope of works must covers the followings & as per instruction of Engineer in charge.

- i) All the materials required for work shall be of good quality relevant to concern IS. Engineer in charge shall ensure the quality of material supplied.
- ii) Steel having IS-1786 shall be used of any reputed brand which are established, reliable, indigenous and primary producer of steel having integrated steel plant (ISP), using iron ore as basic raw materials as per ministry of steels guideline. No re rolled steel shall be permitted in work.
- iii) 53 grade cement shall be used of any reputed manufacturers of cement inside the state.
- iv) Pond watering shall be provided for RCC work as per the instruction of site in-charge. The contractor has to arrange adequate supply of clean water required for the work whenever necessary at his/her own cost.
- v) The successful bidder shall make his own arrangement for all materials and T&Ps such as concrete mixture, vibrator, PRR etc. for the work.
- vi) The quoted rate for the work will deem to include all incidental items which may necessary for construction of benchmarks, level pillars, profiles, benching levels of the ground etc where required. No extra payment or claim will be admissible on this ground.
- vii) Cleaning of debris where necessary shall be considering as incidental to the work and shall be contractor's responsibility to clean it.

PRICE SCHEDULE

Sl No	Description of Work	Unit	Quantity	Rate/ Unit in Rs	Total Amount in Rs.
1	10 mtr long joist pole(150x130) 34.6Kg/mtr	No.			
2	Pressure Channel 100x50x6mm GI channel each 4 mtr. Long(9.2 K.g per mtr.) x2 Nos.	K.g			
3	AB Switch & HG Fuse,Mounting Channel 100x50x6mm 4mtr. Long, 4 nos. (9.2K.g per mtr.)=16 mtrs	K.g			
4	33KV AB Switch 3 Pole (400 Amp)	Set			
5	33KV HG Fuse 3 Pole 400 Amp	Set			
6	H.T Stay set (Complete)	Set			
7	H.T Stay Insulator	No.			
8	H.T Stay Clamp (1.95 K.g /Pair)	Pair			
9	7/8 SWG Stay Wire	K.g			

10	No.6 GI Wire	K.g			
11	Red Oxide Paint	Ltr.			
12	Aluminum Paint	Ltr.			
13	Ms Nut,Bolt & Washer	K.g			
14	L.T. Distribution box including Kit Kat Fuse with MCCB (4 Pole) for 250 KVA S/S (As per CESU Specification)	No.			
15	Erection of Station Transformer (33/0.4KV),250 KVA	Per Tfr.			
16	Oil Filtration of the Transformer including supply of Filter Machine, Pipes, T&P, Consumables and Labor as required	Per Tfr.			
17	Sundries for survey, PVC tape, Ampere tape, Danger Board, Small Size nut & Bolt preparation of drawing Allm, Socket etc.	LS			
18	Excavation & Back Filling for foundation of Equipments and column including supply of all materials, Labour and T&P and as per the instruction of Engg. In charge i) (2 mtr. X 2 mtr. X 1.2 mtr.) for plinth iii) 2(0.76 x 0.76 x 1.5) for joist pole iv) 2(0.76 x 0.76 x 1.5) for stay v) (50 x 0.75 x 0.30) for cable trench	Cum			
19	Filling of sand with supply of all Labour & T&P (2 mtr. x 2 mtr. x 0.1 mtr.)	Cum			
20	Foundation & Reinforcement:- Supply of all materials, good quality planks, balls, shuttering plates for centering, shuttering, supply of good quality 20mm machine broken granite chips, good quality river sand and concreting curing for foundation of columns, equipment structure, transformer and cable trench slab etc. as per IS:4156 including cost of taxes, royalties, lead lift and T&P a) As per above specification with M-100 grade concrete in ratio (1:3:6) with cost of cement and without steel i) (2 mtr. x 2 mtr. x 0.15) for foundation of plinth ii) 2(0.76 x 0.76 x 1.8) for joist pole iii) 2(0.76 x 0.76 x 1.5) for stay iv) (50 x 0.75 x 0.05) for cable trench	Cum			
21	b) As per above specification with RCC in ratio (1:1.5:3) with cost of cement and without steel i) (1.8 mt. x 1.8 mt. x 0.2 mt.) + (1.5mt. x 1.5mt x 0.75mt.) + (1.5mt x 1.5mt x 1.5mt) for plinth ii) (1 x 0.5 x 0.04) x 50 for slab	Cum			
22	Cutting, bending, binding, placing in position of steel rods for foundation concreting including cost of binding wire, with supply of all size of rod (TATA/RINL/SAIL make) (80kg per cum) i) For foundation=0.53684 MT	MT			

	ii) 8mm rod including cost of lead main 100mm and distribution 200mm c/c a) $6 \times 0.45=2.7\text{m}$ b) $6 \times 0.95=5.7\text{m}$ <hr/> Total = 8.4m (Per one Slab) @ 0.39kg/m i.e.= $3.276 \text{ kg}=0.003276 \text{ MT}$				
23	Brick work in ratio 1:5 with supply of first class K.B. Bricks, good quality river sand, labour & T & P with supply of cement for steps to Transformer Plinth i) For 1 st step= $1.5 \times 1.2 \times 0.30$ ii) For 2 nd step= $1.5 \times 0.9 \times 0.30$ iii) For 3 rd step= $1.5 \times 0.6 \times 0.30$ iv) For 4 th step= $1.5 \times 0.3 \times 0.30$ For cable trench= $2(50 \times 0.125 \times 0.25)$	Cum			
24	Cement plastering of steps with mortar of 1:6 with supply of good quality river sand & cement v) For 1 st step= $2(1.5 \times 0.30)$ vi) For 2 nd step= $2(0.9 \times 0.30)$ vii) For 3 rd step= $2(0.6 \times 0.30)$ viii) For 4 th step= $2(0.3 \times 0.30)$ ix) Side plastering= 1.2×1.2 x) For cable trench plastering= $2(0.625 \times 50)$	Sq.mtr			
25	Pipe earthing including excavation of earth. Treatment of bentonate compound, back filing with borrowed earth, termination of earthmat riser by nut bolting, apply of paint wherever necessary with supply of all labour & T&P as per ISS-3043 with cost of earthing pipe (50mm dia 3050mm length medium gauge) and (50x6mm) GI flat	Per set			
26	Laying of earth flat of size (50x6) without supply of earth flat	Per mtr			
27	Earthing Riser-Connection of diff. size GI flat from earth mat to equipments, welding of diff. size flats, application of two coat of bituminous paint, wrapping of HT Tapes (With supply of labour & T&P)(GI flat of size 50x6mm)	Per mtr.			
A	Sub Total				
B	Service Tax@15% on 40% of Contract Value				
C	Grand Total (A+B)				

In Words Rupees.....
 Only

Date:
 Place:

Signature of the Bidder
 with seal

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SECTION-V

DECLARATION BY THE BIDDER

1. Name of the bidder with Detailed postal address with Contact Number.
2. Earnest money deposited vide Cash receipt/ Bank Draft No.....Dated..... Amount in Rs.....(Rupees.....) only.
3. Tender Paper Purchased vide Cash receipt/ Bank Draft No.....Dated..... Amount in Rs.....(Rupees.....) only.
4. Xerox copy of PAN/TIN: Furnished/ not furnished
5. HT/MV Contract License Furnished/ not furnished
6. Xerox copy of VAT Registration certificate: Furnished/ not furnished
7. Xerox copy of VAT clearance certificate: Furnished/ not furnished
8. Xerox copy of Service Tax Registration No. Furnished/ not furnished
9. Agreed to furnish & accept Contract Security deposit clause: Yes/ No.
10. Agreed to accept payment terms as per Tender Specification. Yes/ No.
11. Agreed to adhere time period as per the contract: Yes/ No.
12. Agreed to accept penalty clause as per the tender: Yes/ No.
13. Attach past experience certificate for the similar jobs in OSEB/ GRIDCO or any other agencies. Yes/ No.
14. Agreed to keep validity of the offer for one year from the Date of tender opening without any variations in tender clause: Yes/ No.
15. Agreed to obtain labour contract license on event of work order from the competent authority (if required): Yes/ No.

Date:
Place:

Signature of the Bidder
with seal

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