



ODISHA POWER TRANSMISSION CORPORATION LTD.
OFFICE OF THE Dy.GENERAL MANAGER : ELECT.
EHT (O&M) DIVISION:CHAINPAL
AT/PO: CHAINPAL COLONY, PIN-759104, DIST: ANGUL(ODISHA)
CIN: U40102OR2004SGC007553
[Email: ehtm.div.chp@optcl.co.in](mailto:ehm.div.chp@optcl.co.in)

TENDER SPECIFICATION
NO.03/2019-20

FOR

SUPPLY OF 3 & HALF CORE, 300Sq. mm. , ARMoured ALUMINUM XLPE
POWER CABLE TO BE USED AT 220/33KV GRID S/S RENGALI UNDER EHT
(O&M) DIVISION CHAINPAL.

SALE OF TENDER SPECIFICATION: DT. 04-12-2019
LAST DATE SALE OF TENDER SPECIFICATION: DT. 16-12-2019
LAST DATE OF SUBMISSION OF TENDER: DT. 17-12-2019(up to 01:00PM)
DATE OF OPENING OF TENDER: DT. 17-12-2019(at 03:30PM)

COST OF TENDER PAPER: RS 2000.00+12%GST (Rs. 2240.00)

ISSUED TO,

M/S.....

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SECTION-I



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ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of ODISHA Under Taking)

Regd. Office: Janpath, Bhubaneswar-751022, Odisha

OFFICE OF THE Dy.GENERAL MANAGER(ELECT.)

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

DIST: ANGUL (ODISHA), Pin-759104, Email-ehm.div.chp@optcl.co.in, CIN:U40102OR2004SGC007553

TENDER CALL NOTICE NO. 03/ 2019-20

For and On behalf of OPTCL, The Dy. General Manager (Elect.), E.H.T. (O&M) Division, Chainpal invites sealed Tenders in duplicate from intending Reputed Supplier/Manufacturers/ Authorized Dealers for Procurement of 3 and half core, 300sq.mm.Armoured Aluminium XLPE Power Cable to be used at 220/33KV Grid s/s Rengali under EHT (O&M) Division Chainpal as follows.

Sl. no	Description	Qty	Place of Delivery	Cost of Tender Paper	EMD Amount
1	3 and half core, 300 sq.mm., stranded Aluminium conductor, XLPE insulated, extruded FRLS PVC inner sheath, overall extruded FRLS PVC outer sheath, armoured with Galvanised flat steel , Voltage up to 1.1KV. The Cable shall confirm to Class-2 to IS:8130 & IS:7098(Part-I) 1988 with latest amendments. Make: Havells, Polycab, RR kabel, KEI	400mtr.	220/33kv Grid s/s Rengali	Rs.2000/- + GST 12%	5000.00

The tender specification can be obtained from the office of The DGM EHT (O&M) Division, CHAINPAL on payment of **Rs. 2000/- (Two Thousand only) +GST @ 12% (Non Refundable)** in shape of Cash/ Bank Draft in favor of DGM, EHT (O&M) Division, CHAINPAL payable at "ANDHRA Bank", Chainpal Branch on any working day **from Dt.04.12.2019 to Dt.16.12.2019**. In case the D.D made 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 by **01.00 PM of dated 17.12.2019 & 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 each Bidder. E.M.D of Rs. 5000/- should be deposited in shape of Demand Draft / Cash in favour of **E.H.T. (O&M) Division, Chainpal & payable at "ANDHRA Bank", Chainpal Branch.**

The Bidder should super scribe 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. No other mode like downloaded paper from website will be accepted.

Dy. General Manager
EHT (O&M) Division, Chainpal

SECTION-II
INSTRUCTION TO BIDDERS

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 unavoidable, 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. In the event , the successful tenderer fails to carryout the works/partly carryout the works as per the technical specification; the EMD so deposited shall be forfeited. Any deviation from the terms and conditions of the contract the EMD so deposited shall be forfeited without any notice.
- 10. All correspondence relating to the tender shall be made with Dy.General Manager (El.), E.H.T. (O&M) Division, OPTCL, Chainpal.**

SECTION-III
GENERAL TERMS & CONDITIONS

1. SUBMISSION & OPENING OF TENDER:-

Tender shall be submitted with other documents in duly sealed envelope super scribed on the body of envelope "**Tender Call Notice No. & Date of Opening of the tender**". 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 Dy. General Manager (Electrical), E.H.T. (O&M) Division, 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 180 days from the date of opening of tenders. Unless the tender will be rejected.

4. EARNEST MONEY DEPOSIT:- The tender should be accompanied with Rs. 5000/- towards Earnest Money Deposit (EMD) in shape of **Cash/ Bank Draft** in favour of EHT (O&M) Division, CHAINPAL payable at Andhra Bank, Chainpal otherwise tender will be out rightly rejected. In case the B.D made 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 carry out the work fully/ partly carry out the work as per technical specification, 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 with break up prices and shall remain upto the validity of tenders.

6. SECURITY DEPOSIT:- The bidders whose offer qualifies for acceptance will be awarded Purchase order/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 the paying officer, 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. **In case of non deposit of the security amount, the same will be deducted from the bill.**

7. Delivery:- The materials in full Quantity shall be delivered within 60 days of receipt of the Purchase Order. However, early delivery shall be preferred. The cable to be delivered at 220/33KV Grid s/s Rengali. If the delivery will not be made within the stipulated period, then the penalty should be imposed as per clause No.08 of SECTION-III. However if the delivery could not be completed within scheduled date due to any valid reason, then the delivery period may be extended on written request by the Bidder.

8. PENALTY:- Penalty @ ½%(half per cent) per week up to a maximum of 5% of the total value of the work order/ Purchase 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 alongwith 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 and against deposit of 10% security cum performance guarantee, otherwise the same will be deducted from the final bill which will be released after completion of Guarantee period. . After complete execution of process , the bidder shall produce the printed bills to the respective consignee/Paying Officer for effecting payment.

10. GUARANTEE PERIOD:- The materials covered under this contract should be guaranteed for trouble free and satisfactory performance against any defect in design, materials and workmanship for a Period of 12 month from the date of delivery. Any defect noticed during this period should be rectified / replaced by the firm free of cost provided such defects are due to faulty design, bad workmanship or bad materials used. **The replaced materials should also have similar guarantee.** The guarantee certificate in triplicate should be submitted to the office of the undersigned for necessary approval.

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) GST Registration Certificate

ii) Valid PAN

iii) Experience Certificate (optional-in case of tie)

12. EXTENSION OF TIME: If the delivery of materials is delayed due to reason beyond the control of supplier, the supplier shall without delay give justification. The purchaser on receipt of such notice may agree to extend the contract delivery date if reasonable but without prejudice to other terms and conditions of this contract.

13 INSURANCE: Insurance of materials is to be done by the supplier at their own cost. The responsibility of delivery of the materials at destination in good condition rests with the supplier. Any claim with the insurance company Railway authority/ Road transport authorities arising due to loss or damage in transits has to be settled by the supplier. The supplier shall undertake free replacement of materials damage or lost which will be reported by the consignee within 30 Days of the receipt of the materials at destination without waiting for the settlement of the claims with the carriers and underwriters.

14. DESPATCH INSTRUCTIONS: The materials should be securely packed and dispatched by Rail/ road transport at locations as mentioned below to the consignee. The cost of transportation will be borne by the supplier.

15. FREE REPLACEMENT: Free replacement of materials lost/ damaged due to transit shall be made immediately on receipt of the intimation from the consignee / paying Officer without awaiting for settlement of the claim of bidders with Railway/ Lorry/ Insurance Company.

16. ADDITION & ALTERATION: -The authority reserves the right to add or to reduce the quantum of materials without assigning any reasons thereof.

17. RIGHT TO REJECT / ACCEPT ANY TENDER: -The Authority reserves the right, either to reject or accept any or all the tenders without assigning any reasons thereof.

18. JURISDICTION OF THE COURT: -For the purpose of jurisdiction of court in the event of dispute if any shall be deemed to have entered into any court of law at Talcher to which the jurisdiction of Orissa High Court extends and it is hereby expressly agreed that neither party shall be competent to bring a suit in regard to the matter covered by this purchase at any place outside in State of Odisha.

19. 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.

20. DEVIATION FROM SPECIFICATION:

It is in the interest of the Tenderers to study the Specification, works etc. specified in the tender should thoroughly before tendering so that, if any deviations are made by the Tenderers the same are prominently brought out on a separate sheet under heading "Deviations".

A list of deviation shall be enclosed with the Tender. Unless deviation in scope, technical and commercial stipulations are specifically mentioned in the list of deviations, it shall be presumed that the Tenderer has accepted all the conditions stipulated in the Tender Specification, notwithstanding any exemptions mentioned therein.

21. RIGHT TO REJECT / ACCEPT ANY TENDER:

The owner reserves the right either to reject or to accept any or all tenders if the situation so warrants in the interest of the organization. Orders may also be split up between different Tenderers on individual merits of the Tenderer. The owner has exclusive right to alter the quantities of areas at the time of placing final Work order. It may be clearly understood by the Tenderer that the owner need not, assign any reason for the above action (s).

22. CONTRACTOR TO INFORM HIMSELF FULLY:

The Contractor shall examine the instructions to Tenderers, General Conditions of contract, Specification and the Schedules of Quantity and delivery to satisfy himself as to all terms and conditions and circumstances affecting the contract price. He shall quote price(s) according to his own views on these matters and understand that additional allowances except as otherwise provided therein will be levied. The owner shall not be responsible for any misunderstanding or incorrect information obtained by the Contractor other than the information given to the Contractor in writing by the owner.

24. 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, provided that the Contractor shall within ten (10) days from the beginning of such delay notify the owner in writing of the clause of delay, upon which, the owner shall verify the facts and grant such extension as facts justify.

25. CORRESPONDENCES:

- i) 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.
- ii) Any notice to the owner shall be served at the owner's Principal office in the same manner.
- iii) The address with Telephone No. should be given for immediate contract in case of any problems and negligence or emergency duties.

28. OUTRIGHT REJECTION OF TENDERS:

Tenders shall be outrightly rejected if they are not complying with the following requirements:

- i) The Tenderer shall submit the bid before submission date & time and shall submit the cost of tender documents.
- ii) Tenders shall not be submitted telegraphically or by FAX.
- i) Tenders shall be accompanied by the prescribed Earnest Money Deposit on or before the date & time of opening of the bid unless otherwise qualified for exemption from furnishing of EMD.
- ii) Tender shall be kept valid for a period of 180 days from the date of opening of Tender.
- iii) The bidder having any pending legal suit against the organization.
- iv) For any warning for unsatisfactory works taken up or termination of agreement for similar works by OPTCL.
- v) The tender 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.

29. DOCUMENTS TO BE TREATED AS CONFIDENTIAL:

The Contractor shall treat the details of the Specification and other Tender documents as private and confidential and they shall not be reproduced without authorization from the Purchaser.

30. Consignee: SDO, 220/33KV Grid s/s Rengali.

31. Paying Officer: DGM(Elect.), EHT(O&M) Division, Chainpal.

32. Jurisdiction Of Court: In case of any dispute arising between the ordering authority and the firm/supplier, either party can take shelter in the court of law at Talcher in the State of Odisha.

SECTION-IV
Annexure-I

SPECIFICATION DETAILS FOR 1.1KV GRADE LT XLPE ALUMINUM POWER CABLE(As per IS:7098 Part-I)

1.GENERAL:

- 1.1 The cables shall be suitable for laying in racks, ducts, trenched, conduits and underground buried installation with uncontrolled back fill and chances of flooding by water.
- 1.2 They shall be designed to withstand all mechanical electrical and thermal stresses under steady state and transient operating conditions.
- 1.2 The aluminium wires unshed for manufacturing the cables shall be true Circular in shape before stranding and shall be uniformly good quality, free from defects. All Aluminium used in the cables shall be of H2 grade.
- 1.3 The fillers and inner sheath shall be of non- hygroscopic, fire retardant material, shall be softer than insulation and outer sheath shall be suitable for the operating temperatures of the cable.
- 1.4 Progressive sequential marking of the length of cable in meters at every one meter shall be provided on the outer sheath of all cables.
- 1.5 The cable shall have outer sheath of a material with an oxygen index of not less than 29 and a temperature index of not less than 250⁰ C.
- 1.6 All the cables shall pass fire resistance test.
- 1.7 Repaired cables shall not be accepted.
- 1.8 Allowable tolerance on the overall diameter of the cables shall be plus or minus 2 mm.
- 1.9 Power cables for use on 415V system shall be of 1100 Volts grade, stranded aluminium conductor, XLPE insulated, intruded FRLS PVC sheath, intruded FRLS PVC outer sheath, armoured with Galvanised flat strip steel wire. The cross sectional area of conductor should be of 300sq.mm.
- 1.10 The power cable must be in multicore cables, the core shall be identified by red, yellow, blue and black colouring of insulation. A distinct inner sheath shall be provided in all multicore cables. For XLPE cables, the inner sheath shall be of extruded PVC to type ST-2 of IS:5831.
- 1.11 The power cable to be used for this system shall be of XLPE insulated with PVC sheathing XLPE cable.
- 1.12 The insulation shall be of XLPE compound having general purpose insulation with normal continuous operating temperature of 90⁰ C & short circuit operating temperature of 250⁰ C, whereas the heat resisting temperature with normal continuous operating temperature of 90⁰ C & short circuit operating temperature of 250⁰ C.
- 1.13 Type test shall be provided from a NABL accredited laboratories for the same size/higher size.

2.CABLE DRUMS:

- 2.1 Cable shall be supplied non-returnable wooden of heavy construction Wooden drum, shall be properly seasoned, sound and free from defects. Wood preservative shall be applied to the drum.
- 2.2 Standard length for the Power Cable shall be 400mtr.
- 2.3 A layer of water proof paper shall be applied to the surface of the drums and over the Outer most cable layer.
- 2.4 The drum shall carry the manufacturer's name, the purchaser's name, address and contact number and type, size and length of the cable, net and gross weight stenciled on the both sides of drum. A tag containing the same information shall be attached to the leading end of the cable. An arrow and suitable accompanying wording shall be marked on one end of the reel indicating the direction in which it should be rolled.
- 2.5 Packing shall be sturdy and adequate to protect the cables, from any injury due to mishandling or other conditions encountered during transportation, handling and storage. Both cable ends shall be sealed with PVC/Rubber caps so as to eliminate ingress of water during transportation and erection.

3.0 TESTS:

3.1 Power cables shall conform to all type, routine and acceptance tests listed in the relevant IS.

3.1 Power cables shall meet the requirements of the following additional test and type test may be conducted to prove their capabilities.

1. Short time current test of conductors.
2. Short time current test on Armours.

4.Test Certificate:

Necessary Manufacture certificate/test Certificate in respect of materials, spares cover under the Purchase Order shall be submitted before dispatch of materials for approval. Test Certificate I respect of material should confirm to relevant IS specification. The test certificate from ISI approved testing laboratory will also be accepted as when applicable.

Annexure-II
PRICE SCHEDULE

FOR PROCUREMENT OF 3 & HALF CORE, 300sq.mm. ARMoured ALUMINUM XLPE POWER CABLE FOR DIFFERENT GRID S/S UNDER EHT(O&M) DIVISION,CHAINPAL

Sl. No.	Description of Item/Work	Qty. in mtr.	Unit Rate in Rs.	Amount in Rs. (column 3 x 4)	GST if any	Total Amount in Rs. (column 5 x 6)
1	2	3	4	5	6	7
1.	3 and half core, 300sq.mm., armoured Aluminium Power Cable (XLPE insulated, extruded FRLS PVC inner sheath, overall extruded FRLS PVC outer sheathed cable, armoured with Galvanised flat steel , Voltage up to 1.1KV). The Cable shall confirm to Class-2 to IS:8130 & IS:7098(Part-I) 1988 with latest amendments. Make: Havells, Polycab, RR kabel, KEI	400Mtr.				

(Rupees)only

(FULL SIGNATURE OF THE CONTRACTOR WITH SEAL)

SECTION-V
DECLARATION FORM
(TO BE SUBMITTED WITH THE TENDER PAPER)

To

**The Dy.General Manager (El),
E.H.T. (O&M) Division
OPTCL, Chainpal.**

Sub: Tender Notice No.

Sir,

Having examined the above tender paper we hereby offer to Supply of 3 and half core, 300sq.mm. Armoured Alumium XLPE Power Cable complete in all aspects to the rate/s entered as mentioned in our tender enclosed herewith.

1. We certify to have purchased a copy of tender paper remitting Rs.....by Cash/ Bank Draft and this has been acknowledged by you in your receipt No..... Dated..... .

2. We enclosed herewith EMD of Rs.5000.00 in shape of Bank Draft/ Cash in favour of E.H.T. (O&M) Division, OPTCL, Chainpal payable at Andhra Bank, Chainpal.
Cash receipt/ Bank Draft No. Dt. .

3. We agree to keep the EMD amount as Security if our bid will consider for contract.

Yours faithfully,

Encl: Tender in duplicate.

Signature of Bidder
(with Seal)

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THE BIDDERS ARE REQUIRED TO FURNISH THE FOLLOWING DETAILS AS PER THE FORMAT GIVEN BELOW WHICH IS A MANDATORY REQUIREMENT FOR EVALUATION OF BIDS

SL NO	DETAILS	TO BE FILLED BY THE BIDDER
1	BIDDER'S NAME	
2	BIDDER'S SITE NAME (NAME OF THE PLACE)	
3	ADDRESS	
4	CITY	
5	STATE	
6	COUNTRY	
7	PIN CODE	
8	PHONE NUMBER	
9	FAX NUMBER	
10	GST REGISTRATION NUMBER	
11	PAN NUMBER	
12	TAN NUMBER	
13	CONTACT PERSON'S NAME	
14	POSITION/DEPARTMENT OF CONTACT PERSON	
15	CONTACT PERSON'S E-MAIL ID	
16	CONTACT PERSON'S PHONE NO.AND MOBILE NO.	
17	CONTACT PERSON'S FAX NUMBER	

Signature of Bidder with Seal