



**ODISHA POWER TRANSMISSION CORPORATION LIMITED
OFFICE OF THE GENERAL MANAGER (ELECTRICAL)
EHT (O & M) CIRCLE, BIDYUTPURI COLONY, BERHAMPUR
☎: 0680-2291905, ☎0680-2291904**

CIN: U40102OR2004SGC007553

TENDER SPECIFICATION FOR TENDER CALL NOTICE No. 09/2016-17

FOR

Supply of reputed make 1100 Volts Grade , 3 ½ Core x 300 mm² Armoured Aluminium XLPE Power cable required for Transmission of AC supply from Station Transformer to AC Distribution Box at 220/132/33 KV Grid Sub-Station , Bhanjanagar under PSDF Scheme

**Cost of tender paper Rs. 4,000/- + 5 % VAT=Rs.4,200/-
(Rupees Four Thousand Two Hundred only)**

ISSUED TO:-

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**ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A GOVERNMENT OF ODISHA UNDERTAKING)
OFFICE OF THE GENERAL MANAGER (ELECTRICAL)
EHT (O & M) CIRCLE, BIDYUTPURI COLONY, BERHAMPUR-760010
FAX/☎: 0680-2291905, ☎0680-2291904, 9438907601
CIN: U40102OR2004SGC007553
NOTICE INVITING TENDER**

Advt. No. 09/2016-17

For and on behalf of OPTCL sealed tenders are invited from Manufacturers/Authorized Dealers/Suppliers having valid I.T. PAN, VAT/CST Clearance for Supply of reputed make 1100 Volts Grade , 3 ½ Core x 300 mm² Armoured Aluminium XLPE Power cable required for Transmission of AC supply from Station Transformer to AC Distribution Box at 220/132/33 KV Grid Sub-Station, Bhanjanagar under PSDF Scheme .

Commencement of Sale of Tender Paper: - From Dated 20.09.2016 to Dated 06.10.2016 up to 5.00 PM.

Last Date of Submission of Tender Paper:- Dated 07.10.2016 up to 12.00 PM.

Date of Opening of Tender Paper:- Dated 07.10.2016 at 1.00 PM.

Cost of Tender Paper :- Rs.4,000+ VAT @ 5%= Rs.4,200/-.

For details please visit our website www.optcl.co.in

Corrigendum if any will be published in the website only.

General Manager (Elect.)

**TENDER SPECIFICATION FOR TENDER CALL
NOTICE No. 09/2016-17
OF EHT (O & M) CIRCLE, BERHAMPUR
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| 7. | COST OF TENDER PAPER (Non-refundable) | Rs. 4,000/- + 5 % VAT=Rs.4,200/- (Rupees Four Thousand Two Hundred) only by Cash/ Bank Draft drawn in favour of General Manager, EHT (O & M) Circle, Berhampur payable at Berhampur, Odisha. |
| 8. | E.M.D | Bank draft drawn in favour of General Manager, EHT (O & M) Circle, Berhampur payable at Berhampur, Odisha. |
| 9. | SALE OF TENDER PAPER | From Dated. 20.09.2016 to Dated. 06.10.2016 . (During office hours) available in the office of the General Manager, EHT (O & M) Circle, Berhampur |
| 10. | LAST DATE OF RECEIPT OF TENDER PAPER | Dated. 07.10.2016 up to 12.00 PM. |
| 11. | DATE & TIME OF OPENING OF TENDER | Dated. 07.10.2016 at 1.00 P.M |



NOTICE INVITING TENDER

ODISHA POWER TRANSMISSION CORPORATION LTD.,

REGD. OFFICE: JANPATH, BHUBANESWAR – 751 022,

ODISHA, INDIA.

CIN: U40102OR2004SGC007553

TENDER NOTICE NO- 09/2016-17

| Sl. No | Tender Specification No. | Location Details. | INDIAN RUPEES | | | Last date of submission & Date of opening of Tender. |
|--------|--------------------------|---|-------------------------------|-------------------------------|-----------------------|---|
| | | | Earnest Money Deposit. In Rs. | Cost of Tender Spec.Docu ment | Estimate Value in Rs. | |
| 1 | 09/2016-2017 | Supply of reputed make 1100 Volts Grade of 3 ½ Core x 300 mm ² Armoured Aluminium XLPE Power cable required for Transmission of AC supply from Station Transformer to AC Distribution Box at 220/132/33 KV Grid Sub-Station, Bhanjanagar under PSDF Scheme . | 7,800/- | 4,200/- | 7,79,216/- | up to dt-07.10.2016(12.00 PM) and 07.10.2016 at 01.00PM |

SECTION - I

INSTRUCTION TO BIDDERS

The Bidders must read in detail the “Instruction to Bidders” and “General terms and conditions” before filling the tender documents.

1. TENDERS:

A) Bidders must submit their bids with original signature. Only those who have purchased the Tender specification from this office can submit their Tender. Tenders submitted by other means will be rejected.

Tender must be submitted in sealed cover subscribed as “**Tender call Notice No. 09/2016-17 FOR SUPPLY OF REPUTED MAKE 1100 VOLTS GRADE , 3 ½ CORE X 300 MM² ARMoured ALUMINIUM XLPE POWER CABLE REQUIRED FOR TRANSMISSION OF AC SUPPLY FROM STATION TRANSFORMER TO AC DISTRIBUTION BOX AT 132/33 KV GRID SUB-STATION UNDER PSDF SCHEME**” on or before 07.10.2016 for opening and addressed to the **General Manager, EHT (O & M) Circle, Berhampur.**

B) Tender shall be submitted either in person or by registered post & any other means of delivery shall not be accepted. Detailed postal address with PIN No., Phone / Fax/Email of bidder must be mentioned in the application requesting for tender document and on the tender bid. The authority is not responsible for receipt of tender after due date due to postal delay or any other reasons. Tenders received after due date due to postal delay or any other reason will not be considered. The tenderer who wants to receive the tender paper by post have to deposit additional Rs.100.00 along with the tender paper cost.

C) The bidder is to deposit EMD in shape of Bank Draft drawn in favour of **General Manager, EHT (O & M) Circle, Berhampur.** The EMD of successful tenderers will be refunded after deposit of security-cum-performance deposit. The EMD of all unsuccessful tenderers shall be refunded on written request after finalization of tender. No interest shall be paid on EMD. No adjustment towards EMD shall be permitted against outstanding amount, if any, remained with the OPTCL.

2. EXPERIENCE:

The bidders may submit the copy of past experience if any regarding supply of similar materials to GRIDCO/ OPTCL or any other state or central PSUs.

3. FORFEITURE OF EMD:

A) In the event the successful tenderer fails to carry out the works / partly carry out the works as per the technical specification the EMD so deposited shall be forfeited.

B) Any deviation from the terms and conditions of the contract the EMD so deposited shall be forfeited without any notice.

4. INFORMATION ON COMPETITORS:

Bidders have right to know information on competitors only at the time of opening of the bids. No further information on competitors shall be provided at any other point / stage of the tender without prejudice to Right to Information Act – 2005.

5. OPENING OF TENDERS:

A) Copy of PAN card/ TIN/ VAT Registration No / CST Registration No & VAT clearance must be enclosed with the tender bids.

B) Bidders themselves or their authorized representatives limited to one person only (possessing authorization letter in original) shall be allowed to attend opening event of the tenders.

6. The purchaser may alter the quantities of materials at the time of placing orders. Orders may also be split up among more than one tenderer if necessary. **The purchaser reserves the right to reject the lowest or any other Tender or all tenders without assigning any reason what so ever.**

7. Tender should be prepared clearly and without any overwriting and corrections. Erasures and other changes shall bear the dated initial of the person signing the Tender.

8. 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. For evaluation, the price mentioned in words shall be taken if there is any difference in figure and word in the price bid.

GENERAL TERMS AND CONDITIONS

1. **Scope of contract:** The scope of contract shall be to delivered materials at destination in accordance with the enclosed technical specification and schedule of requirement(Section-3).
2. **Manner of execution:** All materials should be supplied under the contract shall confirm to the latest publication of relevant IS specification.
3. **Validity:** Tenderers are requested to keep the validity of their offer for a period of 6 months from the date of opening of tender.
4. **Price:** The price quoted by tenderer should be firm, F.O.R. destination inclusive of freight, Insurance, Packing, Forwarding charges inclusive discount, if any.
5. **Taxes:** Taxes, if any shall be mentioned extra. The tender may quote rate in respect of different make materials as per scheduled.
6. **Terms of Payment:**
 - (A) (i) 100% of the value of consignment with 100% taxes and duties will be released after receipt of materials in complete shape at destination and in good condition and detail verification thereof, subject to approval of 10% composite; Bank Guarantee, test certificates and guarantee certificates by this office.
(ii) Payment of freight & insurance charges and entry tax incorporated in the purchase contract shall be paid after receipt of materials at store/desired site in good condition and on production of authenticated documentary evidence, otherwise no freight, insurance charges & entry taxes shall be paid.
 - (B) The supplier shall furnish composite bank guarantee of appropriate amount to OPTCL covering 10% of FOR designation cost of the purchase order well in advance (within 15 days from the date of issue of the purchase order) before despatch of materials.
The composite bank guarantee is to be made in our standard bank Guarantee format towards security and performance form any Nationalised /Scheduled Bank having a place of business at Bhubaneswar and capable of being enchased at Bhubaneswar on non-judicial stamp paper worth of Rs. 29/- (Rupees Twenty Nine) only or as applicable as per prevailing laws in force which should be accompanied with the confirmation letter from the issuing Bank.
The Bank Guarantee shall be furnished in favour of the General Manager E.H.T(O&M) Circle, OPTCL, Berhampur within 15 days from the date of issue of this purchase order and shall remain valid for a period of 14 (fourteen) months from the last date of stipulated delivery period. The Bank Guarantee should be revalidated as intimated form time to time. No interest is payable on the composite Bank Guarantee and in case of non-fulfillment of the contractual obligation, composite bank guarantee shall be forfeited without intimation to you.
7. **Delivery:** The materials in full quantity shall be delivered within 30 days of receipt of purchase order, failing which purchase order shall be liable for cancellation with forfeiture of Earnest money/ Security Deposit.
8. **Penalty:** If the supplier shall fail to deliver the materials within the delivery period as stipulated under clause No. 5 (Section-II) of this Tender document or any extension granted there to, the purchaser shall recover from the supplier penalty for a sum of half percent (i.e. 0.5 percent) of the contract price for each calendar week or part thereof of delay. However the total amount of penalty shall not exceed 5% (five percent) of the contract/ undelivered items price. Materials will be deemed to have been delivered only when all the component parts are also delivered. If certain components are not delivered in time, the supply will be treated as delayed until such time the missing/ undelivered parts are delivered period.
9. **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.

10. **EMD:** The tenderers are requested to deposit EMD in shape of D.D. Drawn in favour of **General Manager, EHT (O & M) Circle, Berhampur**. The tender without EMD will be liable for rejection. The D.D / original money receipt for the EMD should be enclosed along with original tender paper.
11. **Security Deposit:** The tenderers whose offer qualifies for acceptance will be awarded Purchase Order and the supplier shall have to be deposit Security-cum-performance guarantee equal to 10% (Ten percent) of ordered value in shape of Cash / Bank Draft in favour of **General Manager, EHT (O & M) Circle, Berhampur**. The Security deposit will be released after two months of completion of the guarantee period subject to fulfillment of guarantee stated under clause-12 on a receipt of application for this purpose. No interest shall be paid to the supplier towards the security deposit so deposited by the supplier.
12. **Guarantee:** 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 at least **12 (twelve) months** 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. In the event of any breach on default in all or any condition of purchase order Security Deposit will be forfeited.
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 arises 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.
14. **Despatch Instruction:** The materials should be securely packed and dispatched by Rail/ road transport to **220/132/33KV Grid Sub-Station, Bhanjanagar** . The cost of transportation will be borne by the supplier.
15. **Consignee:** The **Asst. General Manager, 220/132/33KV Grid Sub-station, Bhanjanagar** is the consignee & verifying officer for the contract ..
16. **Paying Officer:** The **DGM, EHT (O&M) Division, Bhanjanagar** is the paying officer for this contract.
17. **Submission of VATCC, CST Registration No & PAN:** Clear attested Xerox copies of PAN issued by the competent authority & VAT clearance certificate / CST Registration valid on the date of opening of tender should be submitted along with the tender failing which the tender will be rejected. The supplier may be requested to produce original PAN card & VAT Clearance certificate at the time of opening of the tender. Those who fail to produce the same & found not to be valid on the date of opening the tendere, their tender should be rejected.
18. **Past Experience of supply. Performance certificate:** Past experience of execution of purchase order need to be furnished by the bidders.
19. **Deviation in specification:** If any change in the technical parameters equivalent to the above specification may be clearly mentioned separately.
20. **Test Certificate:** Necessary manufacturer certificate / test certificate in respect of materials, spares cover under the purchase order shall be submitted before the despatch of materials for approval. Test certificates in respect of material should confirm to relevant IS specification.

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

21. Inspection & Testing:

i) Acceptance and routine test at manufacturer's works shall be carried out on **3 ½ Core x 300 mm² Armoured Aluminium XLPE Power** as per stipulation of relevant Indian Standard. In case of the aforesaid items are supplied by the supplier, then necessary arrangements shall be made by the supplier for carrying out Acceptance and routine test at manufacturer's work site. The entire cost of acceptance and routine tests, which are to be carried out, shall be treated as included in the quoted price of Cable. All the acceptance and routine tests shall be carried out in presence of representative of OPTCL. Three (3) copies of test reports shall be submitted to the General Manager, E.H.T (O&M) Circle, Berhampur for approval and distribution to site.

ii) The supplier shall give to the purchaser adequate time/notice (at least clear 5 days for inside the state suppliers and 10 days for outer side the state suppliers) in writing for inspection of materials indication the place at which the material is ready for testing and inspection and shall also furnish the shop routine test certificate.

22. Jurisdiction of Court: Dispute if any, arising against the supply order issued to the supplier shall be filed by either party in any court of law to which the jurisdiction of Odisha High Court extends.

The Authority reserves the right to reject the notice/ award the contract among any responsive bidders against this tender or without assigning any reason thereof. All other terms and conditions will be governed by OPTCL as per Rules.

**TECHNICAL SPECIFICATIONS FOR 1100 VOLTS GRADE L.T. XLPE
POWER CABLE AS PER IS: 7098(PART-1)**

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, aluminium conductor, XLPE insulated, PVC sheathed single wire armoured and overall PVC sheathed. The cross sectional area of the conductor should be of 300 mm².
- 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 or steel drums 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 1000 Metres(Single Piece).
- 2.3 A layer of water proof paper shall be applied to the surface of the drums and over the outermost 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.
- 3.2 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.

Annexure – I
SCOPE OF MATERIAL TO BE SUPPLIED

| Sl. No. | Description of item | Unit | Quantity |
|----------------|--|-------------|-----------------|
| 1. | Supply of Reputed make 1100 Volts grade , 3 ½ Core x 300 mm ² Armoured Aluminium Power cable required for Transmission of AC supply from Station Transformer to AC Distribution Box at 132/33 KV Grid Sub-Station | Mtr. | 1000 |

General Manager (Elect.)
EHT (O&M) Circle,
Berhampur

Annexure-II

SCHEDULED OF PRICE

| Sl. No. | Description of item | Unit | Quantity | Rate in Rs. | Amount in Rs. |
|---------|---|------|----------|-------------|---------------|
| 1. | Supply of 1100Volts Grade , 3 ½ Core x 300 mm ² Armoured Aluminium Power cable required for Transmission of AC supply from Station Transformer to AC Distribution Box at 132/33 KV Grid Sub-Station under PSDF Scheme. | Mtr. | 1000 | | |
| | Total:- | | | | |

Dated

Signature of Contractor with Seal

Annexure-III
DETAILED DATA SHEET TO BE FURNISHED BY THE TENDERERS

1. Name of the Contract with detailed postal address:
2. Earnest money deposited vide Bank Draft No. _____ Date _____
3. Attested copy of PAN No. / VAT Clearance Certificate : Furnished/Not furnished
4. Attested copy of the valid License : Furnished / Not furnished
5. Agreed to furnish Contract security deposit : Yes / No
6. Agreed to accept payment terms as per the contract : Yes / No
7. Agreed to adhere completion of work as per the tender : Yes / No
8. Agreed to accept penalty clause as per the tender : Yes / No
9. Attach past experience certificate for the similar jobs
in OSEB / GRIDCO or any other agencies : Yes / No
10. Agreed to keep validity of the offer one year from
the date of tender opening without any validation in tender
clause. : Yes / No
11. Date of submission of tender. : Dt. _____

Dated:

Place:

Signature of the Tenderers
with seal.