

**ASSAM ELECTRICITY GRID CORPORATION LIMITED**

**OFFICE OF THE DEPUTY GENERAL MANAGER**

**T&T CIRCLE, DIBRUGARH**



**TENDER DOCUMENT**

**NOTICE INVITING TENDER NO: AEGCL/DGM/TTC/DBR/O&M/TC-02/2021/507; dtd. 02/03/22**

**Name of work: Procurement of ACSR Zebra Conductor.**

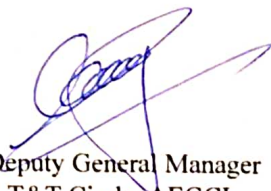

**Work Site**

Material to be supplied at 220kV Tinsukia GSS

Tender cost amounting to Rs 1000.00  
Deposited in the form of .....  
Vide .....

Issued to .....  
Address .....

Signature of Contractor/Firm

  
Deputy General Manager  
T&T Circle, AEGCL,  
Dibrugarh  


- (A) **INFORMATION TO BIDDER:**
1. **NAME OF WORK: - Procurement of ACSR Zebra Conductor.**
  2. **Estimated Amount:- Rs. 12,22,362.00 (Rupees Twelve Lakhs Twenty Two Thousand Three Hundred and Sixty Two only) (amount inclusive of GST)**
  3. **LOCATION OF WORK:- Material to be supplied at 220kV GSS, Tinsukia.**
  4. **TENDER ADDRESS: - Office of the Deputy General Manager, T&T Circle, AEGCL, Dibrugarh.**
  5. **BIDDING PROCEDURE:-**
    - a) All tenders shall have to be submitted in prescribed forms attached herewith eventually to be drawn up in the rules of AEGCL.
    - b) Two different envelopes to be used as follows.  
**Envelope-1:** Bid document signed by bidder on all pages, Tender Document cost, Earnest Money, Techno-commercial data of the Bidder and other necessary documents must be enclosed.  
**Envelope-2:** Price Bid
  6. **KEY DATES:-**

a) Bid Submission Start Time & date:-	12.00 Hrs. of <b>04/03/22</b>
b) Bid clarification End Date & Time:-	12.00 Hrs. of <b>11/03/22</b>
c) Bid Submission End Time & date:-	14.00 Hrs. of <b>23/03/22</b>
d) Techno-Commercial Bid Opening Time & date:-	14.30 Hrs. of <b>23/03/22</b>
  7. **TENDER PAPER COST AND MODE OF PAYMENT:-**

Bidder has to pay Non-Refundable tender document cost @ **Rs. 1,000.00 (Rupees One Thousand)** only in the form of DD in favour of the Managing Director, AEGCL, Bijulee-Bhawan, Paltanbazar, Guwahati-1, payable at Guwahati. The original copy of the DD/Banker's Cheque must be submitted along with relevant documents in the Envelope-1.
  8. **BID SECURITY/EARNEST MONEY AND MODE OF PAYMENT:-**
    - a) For participation in bidding procedure, participants must compulsorily pay the Bid Security of **Rs 25,000.00 (Rupees Twenty Five Thousand)** only in the form of Fixed Deposit/Bank Guarantee/ in favour of the Managing Director, AEGCL, Bijulee-Bhawan, Paltanbazar, Guwahati-1, payable at Guwahati. The original copy of the Bid Security must be submitted along with relevant documents in the Envelope-1.
    - b) The bid security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required performance security.
    - c) The bid security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the performance security.
    - d) The bid security may be forfeited:-
      - (i) If a Bidder withdraws its bid during the period of bid validity period.
      - (ii) If the successful Bidder fails to sign the Contract within the specified period.
  9. **VALIDITY OF BID:-**

Bid shall remain valid for the period of 90 days from the date of bid submission end date.
  10. **TIME OF COMPLETION:-**
    - a) The allotted time of completion for the work is 30 days from date of acceptance of the work order.
  11. **DISCLAIMER:-**
    - a) The purchaser is not committed contractually in any way to those Bidders whose Bid are accepted. The issue of this Bid does not commit or otherwise oblige the purchaser to proceed with any part or steps of the process.

12. **LANGUAGE OF BID:-**  
The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and purchaser, shall be written in the English and / or Assamese language.

13. **NEGOTIATION WITH BIDDER:-**  
The purchaser reserves the right to hold negotiations with lowest bidder if AEGCL feels the quoted rates of particular item(s) are unreasonably high. The bid must be valid, eligible and technically acceptable and considered for award of contract. Cost quoted by bidder shall be inclusive of all scope of work as specified in the bidding document including any related services that is implicit to carry out the work successfully. Price will be firm and no price variation will be allowed within the completion period given in the work order.

**(B) ELIGIBILITY CRITERIA.**

**1. EXPERIENCE**

- a) A Bidder may be a private entity or a government-owned entity or any combination of such entity with the intent to enter into an agreement supported by a letter of intent or under an existing agreement in the form of a joint venture, consortium or association.
- b) A Bidder, and all partners constituting the Bidder, shall have Indian nationality.
- c) The bidder should have assured access to supply of fabricated steel structures and shall demonstrate that he or his supplier has capable of, manufacture & supply of such material. Bidders are required to demonstrate that based on known commitments the materials will be available for use in the proposed contract.

To be qualified for the bid, the bidder must compulsorily meet the following minimum criteria; bidder must establish the experience as single contractor. i) Bidder must have valid electrical license for working on 33kV or above Transmission line.

ii) Bidder must have valid work experience of similar work executed like supply/erection of tower superstructures, substation equipment, etc. within the last 7 years at any Govt. Dept., PSU, etc. conforming either of the following requirements and submit supporting documents (Copy of Work Orders and Completion Certificate) to establish work experience. The purchaser holds the authority to verify the documents provided in support of work experience.

Sl No	Description	Amount not less than (Rs)
1	3 (three) similar completed works	4,90,000.00
2	2 (two) similar completed works	6,15,000.00
3	1 (one) similar completed work	9,80,000.00

If the nature of work and value differs from the above stated conditions, it will not be considered while evaluation of technical qualification.

**2. FINANCIAL QUALIFICATION**

- a) Minimum average annual turnover of **Rs. 4, 10,000.00. (Rupees Four lakhs Ten Thousand)** only calculated as total certified payments received for contracts in progress or completed, within the last 3 (Three) Years, ending 31<sup>st</sup> March of the previous financial year. Audited Balance sheet must be furnished as a proof of annual turnover. Any other form of supporting documents instead of Audited balance sheet will not be accepted.

Current bank solvency certificate must be submitted to show the bidder's financial position.

- b) The contractor shall make good at his own cost and to the satisfaction of the purchaser all defects, or other faults which may appear during the defect liability period. In default, the purchaser may employ and pay other agency or persons to amend and make good such damages. Losses and expenses consequent thereon or incidental there to, shall be made good and borne by the contractor, failing which the same shall be recoverable from the payment due to the contractor and performance guarantee. In the event of amount due and performance guarantee being insufficient, the balance amount will be recovered from the contractor from the amount due or retained for other works executed in AEGCL.

### 3. QUERY ON THE BIDDING DOCUMENT

Prospective Bidder may submit queries, if felt necessary, requesting clarification of any bid clause. Such queries must be submitted in the O/o the DGM, T&T Circle, AEGCL, Dibrugarh by the Tender Clarification end date and time mentioned in the Bid Data Sheet. Purchaser shall clarify to the extent felt necessary. Any query outside the mail or in physical letters after due date shall not be entertained.

### 4. DEADLINE FOR SUBMISSION OF BIDS

Bids shall be received only on or before the date and time indicated in the Bid Data Sheet. The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Document, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

### 5. OPENING OF TECHNO-COMMERCIAL BIDS:-

The opening of the techno-commercial bid shall be conducted at the address as per the date and time specified in the bid document on the basis of technical qualification, Financial qualifications and fulfilment of the legal conditions.

Price Bids of those bidders shall only be opened whose techno-commercial bids are found to be responsive to the requirement of the bidding document and intimation will be issued in due course.

- \* Any interrelations, erasures, or overwriting shall be valid only if they are signed or initialised by the person signing the bid.

### 6. PRILIMINARY EXAMINATION OF TECHNICAL BIDS:-

The purchaser shall examine the Techno-Commercial Bid to confirm that all the documents and technical documentation requested in this bidding document have been provided and to determine the completeness of each document submitted. If any of these documents or information is missing, **the Bid may be rejected**. The purchaser shall confirm the following documents and information have been provided in the Technical Bid. If any of the following document or information is missing or found incorrect, **the offer shall be rejected**.

1. Original copy of **tender document cost payment receipt**.
2. Original copy of **EMD BG or Online EMD payment receipt** and
3. Duly Filled and signed **Tender Submission Form**.

Bidders should submit hard copies of the documents mentioned above in (1), (2) and (3) in a physical envelope prior to the deadline for technical bid submission. Techno-commercial bids shall be summarily rejected if these three documents are not submitted in hard copy or via email by the deadline for technical bid submission.

### 7. CLARIFICATION OF BIDS: -

To assist in the examination, evaluation, and comparison of the Technical and Price Bids, and qualification of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its bid or submission of any shortfall documents. However, the following may be noted in this regard:

1. Any clarification submitted by a Bidder that is not in response to a request by the Purchaser shall not be considered.
2. The clarification or shortfall documents shall be submitted in hard copy or via email only.
3. No change in the substance of the Price Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the evaluation of the bids in accordance with Clause 10.
4. If a Bidder does not provide clarifications/shortfall documents of its bid by the date and time set in the Purchaser's request, its bid may be rejected.

8.

#### **RESPONSIVENESS OF TECHNO-COMMERCIAL BID: -**

The purchaser shall examine the Techno-commercial Proposal, to confirm that the requirement of the bidding document have been met without any material deviation or reservation. If the bid is not substantially responsive to the requirements of the Bidding Document, it shall be rejected by the Purchaser and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

9.

#### **CORRECTION OF ARITHMETICAL ERRORS**

1. Where there are errors between the total of the amounts given under the column for the price breakdown and the amount given under the Total Price, the former shall prevail and the latter will be corrected accordingly.
  2. Where there are errors between the total (sum) of the amounts of the different Schedule(s) and the amount given in terms of a Grand Total or Grand Summary, as the case may be the former shall prevail and the latter will be corrected accordingly.
  3. If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetical error, in which case the amount in figures shall prevail subject to (1) and (2) above.
- \* If the Bidder that submitted the lowest evaluated bid does not accept the correction of errors, its bid shall be disqualified and its bid security may be forfeited.

10.

#### **EVALUATION OF PRICE BIDS**

To evaluate a Price Bid, the Purchaser shall consider the following:

1. The bid price including GST as quoted in the Price Schedule.
2. Price adjustment for correction of arithmetical errors in accordance with Clause 10.
3. The Purchaser shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be used.

11.

#### **AWARD CRITERIA**

The purchaser shall in general award the contract to the lowest substantially responsive bidder. However, the purchaser reserves the right to not award contract to the lowest substantially responsive bidder without thereby incurring any liabilities to bidders.

12.

#### **RIGHT TO REJECT**

The purchaser reserves the right to reject any or all the bids without assigning any reason thereof and the purchaser further reserves the right to split up the work order in favour of more than one Contractor. The purchaser also reserves the right to reject the lowest or any other price without assigning any reason. The clauses which are not appearing in this Bid document will be as per The General Condition of Supply and Erection 2009 of AEGCL. The General Condition of Supply and Erection 2009 of AEGCL is available in the AEGCL's website [www.aegcl.co.in](http://www.aegcl.co.in).

13.

**ACCEPTANCE OF BID AND CONTRACT AGREEMENT: -**

- a) An agreement shall have to be drawn on non-judicial stamp of appropriate value with AEGCL by the selected Contractor in AEGCL's General Conditions of Supply and Erection 2009 of contract within 10 (ten) days from the date of issue of the LOI.  
Wherever there is any variation in between the conditions of AEGCL's General Conditions of Supply and Erection 2009 and the above terms & conditions, this bid conditions will supersede the conditions of AEGCL's General Conditions of Supply and Erection 2009.

14.

**PAYMENT TERMS: -**

- a) No advance/Mobilization advance shall be made in this contract.  
b) No claim for interest shall be entertained by AEGCL.  
c) Final bill must contain the original site register.  
d) Final payment shall be released to the contractor only after completion of the work in all respect and final acceptance by AEGCL.  
e) Payment is subject to availability of specific fund.  
f) The Bidder / Firm will have to be submitted the following Net Banking details.
- Banker's Name & Branch
  - Account No
  - Banker's address
  - Banker's IFSC Code
  - Banker's RTGS Code

15.

**RETENTION MONEY: -**

- a) 10% retention money will be deducted from running bill, which will be released along with the final bill on completion of the work in all respect.

16.

**WARRANTY: -**

- a) The contractor warrants that the material is new, unused and of the most recent or current model, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract. The term period of warranty shall mean the period of 18 months from the date of the materials are received at site in good and acceptable condition. If during the period of warranty, any defect is found, the Contractor shall rectify all defects in design, materials and workmanship that may develop under normal use of the equipment upon written notice from the Purchaser who shall indicate in what respects the equipment is faulty. The rectification / free replacement must be carried out within a reasonable time period and at free of cost.
- b) The term period of warranty shall mean the period of 12 months from the date of Taking Over of the Work by AEGCL. A Taking over Certificate (TOC) will be issued by the appropriate authority.
- c) If during the period of warranty any defect should be found, the purchaser shall give Notice to the contractor stating the nature of any such defects together with all available evidence.  
If it becomes necessary for the contractor to replace or renew any defective portions of the works, the provision of this clause shall apply to portion of the works so replaced or renewed until the expiry of twelve (12) months from the date of such replacement or renewal.

17.

**EXTENSION OF TIME FOR COMPLETION**

- a) No extension of time shall normally be allowed except on valid and genuine ground.

18.

**CONTRACTUAL FAILURE, LIQUIDATED DAMAGE AND PENALTY:-**

- a) Liquidity Damages 1.0% (one percent) of the amount of delayed work per week subjected to the maximum 10 % of the contract value.

19.

**TERMINATION OF CONTRACT:-**

- a) If the performance of the contract is not satisfactory and not corrected within 15 days of receiving notice, then employer shall be at liberty to terminate the contract and get the work executed through other means at the risk and cost of the Contractor.

20.

**FORCE MAJEURE CONDITION**

- a) Force Majeure condition shall be considered as any circumstances beyond reasonable control of the party claiming relief, including but not limited to strikes, lockout, civil commotion, riot insurrection, hostilities, mobilization, war, fire, flood, earthquake, malicious damage or accidents could entitle contractor to extension time. Any such delay should be intimated within 10 (ten) days from the beginning of such delay to consider/approved, any claim without prior information may not be considered under force Majeure.

21.

**SETTLEMENT OF DISPUTE AND ARBITRATION:-**

- a) Any dispute arising out of the contract will be first settled bilaterally between AEGCL and Contractor. In case, dispute cannot be settled bilaterally, it will be referred to arbitration. The contractor shall not stop the work during settlement of any dispute. All disputes shall be subjected to the jurisdiction of District Court of respective District of work.

22.

**INSURANCE**

The Contractor at his cost shall arrange, secure and maintain all insurance as may be pertinent to the Works and obligatory in terms of law to protect his interest and interests of the Employer / AEGCL against all perils detailed herein. The form and the limit of such insurance as defined herein together with the under-writer in each case shall be acceptable to the AEGCL. However, irrespective of such acceptance, the responsibility to maintain adequate insurance coverage at all time during the period of contract shall be of the contractor alone. The contractor's failure in this regard shall not relieve him of any of his contractual responsibilities and obligations. The insurance covers to be taken by the contractor shall be in a joint name of the Employer and the Contractor. The Contractor shall, however, be authorized to deal directly with Insurance Company or companies and shall be responsible in regard to maintenance of all insurance covers.

Any loss or damage to the equipment and material (including equipment & materials handed over to Contractor for execution of the Contract) during handling, transportation and handing over shall be to the account of Contractor. The Contractor shall be responsible for preference of all claims and make good the damages or loss by way of repairs and/or replacement of the equipment, damaged or lost. The contractor shall provide the Employer with copy of all insurance policies and documents taken out by him in pursuance of the contract. Such copies of documents shall be submitted to the Employer immediately after such insurance coverage. The Contractor shall also inform the Employer in writing at least sixty (60) days in advance regarding the expiry/cancellation and/or change in any of such documents and ensure revalidation, renewal, etc., as may be necessary well in time.

(D)

**SCOPE OF WORK**

- 1) Design and supply of ACSR Zebra Conductor of reputed make only and as per the technical parameters given in the technical specifications.
- 2) Freight & Transit Insurance, storage at site and site insurance of all materials at site shall be in the scope of the contractor
- 3) Arrangements of any permits required for transportation and movement of supplied materials. However, AEGCL shall assist as far as practicable in the process.

As per specifications in the schedule of quantity.

(E)

**SUPPLY OF MATERIALS:-**

- a) The supply of materials should be as per ISI standard.
- b) The purchaser reserves the right to carry out quality Audit/inspection of all the supply materials and if found not in accordance with scope of contract, supplied materials shall be rejected.

(F)

**TECHNICAL SPECIFICATIONS**

**STANDARDS**

The ACSR Zebra conductors shall comply in all respects to the clauses of this specification as indicated below & with the Indian Standard Specification, International standards with latest amendments. The conductors should be of reputed make only.

Sl. No.	Particulars	Standard
1	Standard for Conductor	IS: 398(latest edition)
2	Number of strands & size	Al: 54/3.18mm St: 7/3.18mm
3	Overall Diameter	28.62mm
4	Breaking load	130.32kN
5	Weight of conductor	1621 kg/km
6	Co-efficient of linear expansion	$19.35 \times 10^{-6}/^{\circ}\text{C}$
7	Number of strands	
	Steel Centre	1
	1 <sup>st</sup> Steel Layer	6
	1 <sup>st</sup> Aluminium Layer	12
	2 <sup>nd</sup> Aluminium Layer	18
	3 <sup>rd</sup> Aluminium Layer	24
8	Sectional area of Aluminium	428.90 mm <sup>2</sup>
9	Overall cross-section	484.50 mm <sup>2</sup>
10	Calculated d.c. resistance at 20°C	0.06869 Ω/km
11	Ultimate tensile strength	130.32kN



## **MATERIALS**

The material offered shall be of best quality and workmanship. The steel Cored aluminium conductor strands will consist of hard-drawn aluminium wire manufactured from 99.5% pure electrolytic aluminium rods of E.C. Grade. The steel wire shall be made from materials produced either by the acid or basic open-hearth process or by electric process. No steel wire drawn from pressmen process shall be used. The steel wire shall not contain sulphur or phosphorus exceeding 0.05 percent, and the total of sulphur and phosphorus shall not exceed 0.085 percent. The steel wires shall be evenly and uniformly coated with zinc complying with Indian Standard 4826-1979 specification for galvanized coatings on round steel wires.

## **GUARANTEED TECHNICAL PARTICULARS**

The Guaranteed Technical Particulars of the materials shall be furnished by the Bidders with the Technical Bid. The Bidder shall also furnish any other information as in their opinion is needed to give full description and details to judge the item(s) offered by them. The data furnished in Guaranteed Technical Particulars should be the minimum or maximum value (as per the requirement of the specification) required. A Bidder may guarantee a value more stringent than the specification requirement. However, for testing purpose or from performance point of view, the material shall be considered to have performed successfully if it achieves the minimum/maximum value required as per the technical specification. No preference whatsoever shall be given to the bidder offering better/more stringent values than those required as per specification unless stated otherwise.

## **INSPECTION**

The Purchaser shall have access at all times to the works and all other places of manufacture, where the materials are being manufactured and the supplier shall provide all facilities for unrestricted inspection of the works raw materials manufacture of all the accessories and for conducting necessary tests as detailed herein. The supplier shall keep the purchaser informed in advance of the time of starting of the progress of manufacture of equipment in its various stages so that arrangements could be made for inspection. The acceptance of any quantity of the equipment shall in no way relieve the supplier of his responsibility for meeting all the requirements of this specification and shall not prevent subsequent rejection if such equipment is later found to be defective.

## **QUALITY ASSURANCE PLAN**

The Bidder shall invariably furnish following information along with his offer, failing which his offer shall be liable for rejection.

Names of sub suppliers for raw materials, list of standards according to which the raw materials are tested, list of tests normally carried out on raw materials in presence of Supplier's representative, copies of test certificate Information and copies of test certificates

The supplier shall within 15 days of placement of order, submit following information to the purchaser.

- i) List of raw material as well as bought out accessories and the names of sub-suppliers selected from the lists furnished along with offer.
- ii) Type test certificates of the raw material and both bought out accessories.
- iii) Quality Assurance Plan (QAP) withhold points for purchaser's inspection. The supplier shall submit the routine test certificates of bought out accessories and raw material viz. Copper, aluminium conductors, etc. at the time of routine testing of the fully assembled isolator.

## BILL OF QUANTITY

Price Bid (To be provided in separate envelope)

Name of the work:- Procurement of ACSR Zebra conductor.


Rates quoted should be inclusive of GST

### Annexure-I

#### Supply of conductor

Sl No.	Description	Unit	Quantity	Unin Price (Rs.)	Unit F&I (Rs.)	Amount(Rs)
A	Supply of Materials:					
1	ACSR Zebra Conductor	Mtr.	3000			
	Total Amount					
	GST@18%					
	Grand Total					

In Words:

  
Deputy General Manager  
T&T Circle, AEGCL, Dibrugarh

**COVERING LETTER (ON THE BIDDERS LETTER HEAD)**

To,  
The Deputy General Manager,  
T&T Circle, AEGCL,  
Dibrugarh.

Sub: Submission of Tender.

Ref: -

1. NIT No:
2. Name of work:-

Sir,

Having examined the terms & conditions, technical specifications, detailed items of work etc. as well as acquainting myself/ourselves with site of work, surroundings to get the required materials etc. I am/we are to submit herewith my/our tender for the above mentioned work. My/our rates are quoted as per the specification laid down in the schedule of items of work.

I /We clearly understand that all materials, tools and plants, machineries, labours, testing of material, storage, haulage etc. required in the work shall have to be arranged by me/us from my/our own resources in the events of allotment of the work to me/us.

I /We also clearly understand that in the event of acceptance/approved of my/our tender, the work shall have to be executed strictly as per specifications and the same shall have to be completed in all respects within the stipulated time failing which I am/We are liable to be penalized as per rules laid down in Tender document as well as agreement thereof.

Appendix-2

**PROFILE OF THE BIDDER**

Hard copy of the following documents to be submitted with Techno-Commercial Bid.

Sl. No.	Particulars	To be filled by Bidder
a)	Name of the Bidder	:-
b)	Registration with Memorandum of Association	:-
c)	PAN	:-
d)	GST Registration number	:-
e)	EPF	
f)	IT Returns (last 3 Years)	
g)	Electrical Licence with class	
h)	Solvency	
i)	Audited Balance Sheet	
j)	Labour License registration	:-
k)	Date of Establishment/ Incorporation	:-
l)	Postal Address	:-
	House No.	:-
	Lane	:-
	Street	:-
	Town/Village	:-
	Post Office	:-
	P.S.	:-
	District	:-
	Pin code	:-
m)	Telephone Number	:-
	Mobile No.	:-
	E-Mail Address	:-
	Website	:-
n)	Name(s) of the Owners / Directors/Partners	:-
o)	Name of the Banker with Address and Telephone Number	:-
p)	Contact Person Details <i>(Furnish here name of that person with whom AEGCL may get in touch for more information or clarifications)</i>	Name: - Designation: - Mobile Number: - Email Address:-