

# **ASSAM ELECTRICITY GRID CORPORATION LIMITED**

OFFICE OF THE DEPUTY GENERAL MANAGER  
UPPER ASSAM T&T CIRCLE, GARMUR, JORHAT-07



**NOTICE INVITING TENDER NO:**

**AEGCL/DGM/UATTC/O&M/T-31/BUS-II/2022/2003 dt: 15-03-2022**

**Name of work**

**“AUGMENTATION OF 33KV BUS-II AT NAZIRA GSS”**

**Work Site**

**132kV GSS, Nazira, AEGCL**

Sd/-

Deputy General Manager  
UAT&T Circle, AEGCL,  
Garmur, Jorhat-07

(A) **INFORMATION TO BIDDER:**

1. **NAME OF WORK: - Augmentation of 33kV Bus-II at Nazira GSS**

2. **LOCATION OF WORK:-** 132 KV GSS, Nazira, AEGCL

3. **TENDER ADDRESS:-**Office of the DGM, UATTC, AEGCL, Garmur, Jorhat.

4. **BIDDING PROCEDURE:-**

a) The **ASSAM ELECTRICITY GRID CORPORATION LIMITED**, (“the Employer”) invites online bid through e-tendering from eligible bidders for “**Augmentation of 33kV Bus-II at Nazira GSS**”. The following points are to be noted and given special attention:

- Bidder must create user ID in the web portal <https://assamtenders.gov.in> in order to participate in the e-tender.

- Bidders shall be required to bid for the complete Package and no part offer shall be accepted.

b) Bidder must download the bidding documents from the above mentioned portal and both technical & Price bid must be submitted through **online mode only** along with all scanned supporting documents (Suggested scan at 150 dpi in .pdf format). Bidder can Re-work/Edit their bids before closing date of the tender. Bidders are advised to submit/re-work their bids well advance in time to avoid any last minute unforeseen hassle. **However, AEGCL may ask bidder to submit hard copies of GTP, Drawing, Manufacturer authorization of the major items and any other documents if deemed necessary.**

c) Bidder must upload scanned copy of Earnest Money (in terms of Call Deposit/Demand Draft/Bankers Cheque from any Nationalized Bank payable at Jorhat in favour of the DGM, UAT&T Circle, Garmur, Jorhat. Original instrument copy of Earnest Money has to be submitted at the office prior to one hour on the final time and date of submission of bid.

d) Only Price Bid of responsive Techno-Commercial Bidders will be opened.

e) Bidders may obtain further information from the office of the **Deputy General Manager, UATTC, AEGCL, Garmur, Jorhat.**

5. **KEY DATES:-**

- |  |                                    |
|--|------------------------------------|
| a) Bid Document Available on website date:-    | 12.00 Hrs. of<br><b>16-03-2022</b> |
| b) Bid Submission Start Time & date:-          | 12.00 Hrs. of<br><b>16-03-2022</b> |
| c) Bid Submission End Time & date:-            | 12.00 Hrs. of<br><b>29-03-2022</b> |
| d) Techno-Commercial Bid Opening Time & date:- | 14.30 Hrs. of<br><b>30-03-2022</b> |

6. **TENDER PAPER COST AND MODE OF PAYMENT:-**

Bidder has to pay Non-Refundable tender document cost **@Rs.1500.00 (One Thousand Five Hundred) only** in offline mode in the form of DD/CD/BG drawn in favour of MD, AEGCL.

7. **BID SECURITY/EARNEST MONEY AND MODE OF PAYMENT:-**

a) For participation in bidding procedure, participants must compulsorily pay the Bid Security of Rs 61,000.00(Rupees Sixty-One thousand)

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.

(iii) if the successful Bidder fails to furnish a performance security within 15 (fifteen) days’ time of issue of Letter of Intent (LOI).

8. **PERFORMANCE GUARANTEE:-**

a) The materials and entire work is to be guaranteed against defective design, materials and workmanship and for satisfactory performance for a period of 365 days from the date of final acceptance of the completed work. Performance Guarantee will be in the form of Bank Guarantee of 10% of the contract amount.

b) The successful Bidder shall have to deposit through a Bank Guarantee from a Nationalized or scheduled Bank of RBI in AEGCL’s standard proforma on non-judicial stamp of appropriate value for an amount equivalent to 10% (ten percent) of the total value of the order as performance security, within allotted time on acceptance

of letter of intent/detailed orders (as the case may be), duly pledged in favour of the Purchaser concerned (AEGCL) and such security deposit shall be valid up to 30 days beyond the warranty period of 12 (twelve) months.

- c) If the contractor/firm fails or neglects to observe and perform any of his obligations under the contract, Purchaser (AEGCL) shall have the right to forfeit, either in full or in part at his absolute discretion, the security deposit furnished by the contractor/firm.
- d) If the value of the work increases from original ordered value, the contractor has to provide performance guarantee for additional amount.
- e) No interest shall be payable on such deposits.

**9. CLARIFICATIONS:-**

- a) A prospective Bidder requiring any clarification of the Bidding Document shall contact the AEGCL in writing at the AEGCL's address indicated in the Bid Document or raise his enquiries prior to 7 (seven) days of closing of the bid. AEGCL will respond to any request for clarification if deemed necessary. Should AEGCL deem it necessary to amend the Bidding Document as a result of a request for clarification, it shall do so.
- b) The Bidder is advised to visit and examine the site where the work is to be Carried out and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract. The costs of visiting the site shall be at the Bidder's own expense.
- c) The Bidder and any of its personnel or representatives will be granted permission by AEGCL to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder and its personnel will release and indemnify the Employer and its personnel from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

**10. VALIDITY OF BID:-**

- a) Bid shall remain valid for the period of 180 days after the submission deadline date prescribed by AEGCL. In exceptional circumstances, prior to the expiration of the Bid validity period, AEGCL may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing.

**11. TIME OF COMPLETION:-**

- a) The allotted time of completion for the work is 180 days from the handing over of the site. Moreover the General Manager (HQ) must be intimidated in written about the handing over of the site to the contractor along with all necessary details.

**12. DISCLAIMER:-**

- a) AEGCL 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 AEGCL to proceed with any part or steps of the process.

**13. AMENDMENT OF TENDER DOCUMENT:-**

- a) At any time prior to the deadline for submission of bids, the Employer may amend the Bidding Document by issuing addenda.
- b) To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, AEGCL may, at its discretion, extend the deadline for the submission of bids.
- c) Any corrigendum/Addendum/modifications issued to the bid documents will be published on the website mentioned above will be part of the Bid Document.

**14. LANGUAGE OF BID:-**

- a) The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and AEGCL, shall be written in the English and / or Assamese language.

**15. NEGOTIATION WITH BIDDER:-**

- a) The AEGCL reserve 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.

**16. VERIFICATION OF DOCUMENTS:-**

- a) AEGCL reserves the right to verify the documents submitted by the bidders with issuing authority and if any abnormalities are observed in the same, their bids will be rejected.

**17. RIGHT TO REJECT:-**

- a) AEGCL reserves the right to reject any or all the bids without assigning any reason thereof and AEGCL further reserves the right to split up the work order in favour of more than one Contractor. AEGCL 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).

**(B) ELIGIBILITY QUALIFICATION.**

**1. ELIGIBLE BIDDERS:-**

- 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) AEGCL considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations, and that such conflict of interest may contribute to or constitute a prohibited practice under Anticorruption Policy of Government of India and Government Of Assam. In pursuance Anticorruption Policy's requirement that Employer as well as bidders, suppliers, and contractors observe the highest standard of ethics. AEGCL will take appropriate actions if it determines that a conflict of interest has flawed the integrity of any procurement process.
- d) Consequently all Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process if, including but not limited to:-
  - e) they have controlling partners in common; or
  - f) they receive or have received any direct or indirect subsidy from any of them; or
  - g) they have the same legal representative for purposes of this bid; or
  - h) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder, or influence the decisions of the Employer regarding this bidding process; or
  - i) a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the plant and services that are the subject of the bid.
  - j) A firm that is under a declaration of ineligibility by the AEGCL or any Government Entity or PSU at the date of the deadline for bid submission or thereafter i.e. on or before contract signing date shall be disqualified.
  - k) Bidders shall provide such evidence of their continued eligibility satisfactory to the AEGCL, as the Employer shall reasonably request.
  - l) In case a prequalification process has been conducted prior to the bidding process, this bidding is open only to prequalified Bidders.
  - m) The bidder must have experience of execution of work of similar nature previously. The bidder must submit experience and Performance Certificate for scrutiny by AEGCL.
  - n) A person, Firm or any other prospective bidder who is involved in fraud, unethical practices or barred from submitting bids by AEGCL or any sister concerns of AEGCL i.e. APDCL & APGCL will not be allowed to participate in the bids. If such cases are detected after submission of the bids, in later stages of the bidding process, then such bids will be rejected outright.

**2. LEGAL ENTITY:-**

- a) Verification may be undertaken to verify that an applicant is a bona-fide registered company or business. Bidders are required to provide evidence of the legal entity by providing a copy of an official document as mentioned in the appendix attached along with this bid document.

**3. TECHNICAL QUALIFICATION:-**

- a) In order to qualify technically for this Bid, the bidders have to submit 2 (two) nos. of work order along with Performance Certificate of similar nature of work executed within last 5 (five) years at any Govt. Deptt., PSU etc. conforming to **either of** the following requirements:

Sl No	Description	Amount not less than (Rs)
1	3 (three) similar completed works	1210000.00
2	2 (two) similar completed works	1510000.00
3	1 (one) similar completed work	2500000.00

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

**4. FINANCIAL QUALIFICATION:-**

- a) Minimum average annual turnover of **Rs 10,00,000.00 (Rupees Ten lakhs)** only calculated as total certified payments received for contracts in progress or completed, within the last 3 (Three) Years. 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.

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

**5. EVALUATION CRITERIA:-**

- a) The Techno-Commercial Evaluation will be done on the basis of technical qualification, Financial qualifications and fulfilment of the legal conditions.
- b) The Price Bid of only Responsive Techno-Commercial Bidders will be opened and intimation will be issued in due course.

**(C) GENERAL CONDITIONS OF CONTRACT:**

**1. INSPECTION OF SITE:-**

- a) The Bidder is advised to visit and examine the site where the work is to be carried out and its surroundings, nature of work, site conditions, area for storage of materials, establishment of labour camp, site office, means of access to the site etc. and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract. The costs of visiting the site shall be at the Bidder's own expense. Non-familiarity with the site conditions will not be considered a reason either for extra claims or for not carrying out the work in strict conformity with the specifications & requirement.

**2. PREPARATION OF BID:-**

- a) Cost of Bidding:  
The Bidder shall bear all costs associated with the preparation and submission of its Bid, and AEGCL shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- b) Documents Establishing Conformity of the Goods and Services:-The documentary evidence of the conformity of the goods and services to the Bidding Document may be in the form of letter, drawings and data, and shall furnish. A detailed description of the essential technical and performance characteristics of the goods and services, including the functional guarantees of the Goods, in response to the specification.
- c) Bidder should note clearly that department should not take any responsibility for issuing of any materials, equipment and T&P's that may be required in the work.
- d) All materials, labours, equipment, T&P and heavy vehicle etc. required in the work shall have to be arranged by the bidder/contractor from his own sources in the event of allotment of the said work to him/them.
- e) Water to be used in the work should be clean and free from all impurities; the bidder should note that no water will be provided to them for the execution of the work from the department
- f) The department is also not bound to supply power that may be required in the execution of the work. However subject to the availability of the power source near the vicinity of the work site, the department on payment of tariff as applicable at the time of execution of work may arrange one point near the work site.
- g) The bidder should clearly understand that all materials to be utilized in the work must conform to the specifications. No substandard materials will be allowed to utilize in the work. Samples of each and every materials to be brought to the site of work shall have to be get approved by the competent authority of the department before use.
- h) The contract must not be sublet under any circumstances. If any contractor found in doing so, his work liable to be terminated.
- i) The specification for the work shall be as per specification laid down in the items of work contained in the enclosed schedule of items of work but, certain modification in the specification and method of execution of work if required shall have to be carried out which shall be finalized with the contractor bilaterally through discussion.

**3. PRICE BID:-**

- a) Unless otherwise specified in the Bid Document and/or AEGCL's Requirements, bidders shall quote for the entire plant and services on a single responsibility basis such that the total bid price covers all the Contractor's obligations mentioned in or to be reasonably inferred from the bidding document in respect of the including procurement, delivery, testing of materials, construction, labour cost, insurance, statutory requirements, and any other expenditure deemed necessary for completion of the Work. The rate should also include the cost of testing of materials at the approved laboratory, carriage and transportation of sample, preparation of report, submission of report in all respect as required by AEGCL. This includes all requirements under the Contractor's responsibilities for completing the work and where so required by the bidding document, the acquisition of all permits, approvals and licenses, etc.; the operation, maintenance and training services and such other items and services as may be specified in the Bidding Document, all in accordance with the requirements of the General Conditions. Items against which no price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed to be covered by the prices for other items.
- b) Bidders are required to quote the price for the commercial, contractual and technical obligations outlined in the bidding document.
- c) Bidders quoted price should include all cost of testing of materials, transportation of sample, storage, preparation and submission of report during approval period, construction period as well as after completion of the work.
- d) Bidders quoted price should include all cost of testing of concrete (destructive or non destructive)

- transportation of sample, storage, preparation and submission of report.
- e) Taxes like work contract, income tax etc. which need to be deducted at source as per the prevailing law, will be deducted at source.
  - f) The Bided Price should on Fixed Price basis, prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account.

**4. SITE FACILITIES:-**

- a) AEGCL will not provide any accommodation at the work site to the contractor and their field personnel. The same has to be arranged by the contractor on their own. However, AEGCL may provide space for storage of the materials but responsibility of the material and their safety shall be taken care of by the Contractor. In case of none availability of space under AEGCL the same should be arranged by the contractor outside AEGCL campus/work site at their own cost and responsibility.
- b) AEGCL shall not be responsible for the safety of the workers at site either on account of the works executed by the Contractor or on account of the works executed by any other agency involved at that time.
- c) AEGCL shall on no account be responsible for the expenses incurred by the Contractor during the progress of work at site, towards any incidental expenditure like medical amenities to the workers at site, security arrangements.
- d) The quoted price shall be deemed to include charges for all site facilities for labour that are considered necessary for execution of the work. Subject to availability of land, AEGCL may provide free site for labour camp, construction of yard etc. close to site of work.
- e) No assurance can be given regarding the availability of AEGCL's land given for use to the Bidder to natural calamities. AEGCL undertakes no responsibility or liability in this regard.
- f) The bidder shall make his own arrangement for arranging power supply as may be required for work. AEGCL may, however assist in recommending his/their application to the Electricity Supply Utility for the power supply on payment basis as per norms of the Electricity Supply Utility.
- g) No claim shall be entertained from the bidder for making his own arrangement for approach roads from outside PWD road to the site and bidder will bear entire expenses.
- h) AEGCL on no account shall be responsible for storage of materials or loss or pilferage or theft either in respect of the material stored or material already billed and paid for by the AEGCL.
- i) Any facilities available at site shall be utilized only with prior permission of AEGCL and it should not be taken as granted for availing such services.

**5. DEFECT AFTER COMPLETION OF WORK:-**

- a) The contractor shall make good at his own cost and to the satisfaction of AEGCL all defects, or other faults which may appear during the defect liability period.  
In default, AEGCL may employ and pay other agency or persons to amend and make good such damages. Losses and expenses consequent thereon or incidental thereto 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.

**6. DEVIATION/ERROR IN DRAWING AND SPECIFICATIONS.**

- a) In case of non-suitability of drawing or specifications, the matter to be brought to the notice of Competent Authority without any delay. Any modification or deviation should only be done after approval of Competent Authority.
- b) In case of any omission and error in the drawing and specification the same procedure as above should be followed.

**7. VARIATION AND DEVIATION OF QUANTITY:-**

- a) The Tendered rates shall hold good for any variations in the Tendered quantities for completion of work on account of any modification in the bill of quantities or design or specification.
- b) Deletion of work:  
AEGCL and its representative have the right to delete or decrease any item or quantity from schedule of quantity at its discretion if deemed necessary. No claim by the contractor will be admissible for this deletion or deduction of Item/quantity from schedule of quantity.

**8. LABOUR LEGISLATION:-**

- a) The Bidder shall comply with the provisions of the Apprentices Act 1961, payment of Wages Act 1936, Minimum Wages Act 1948, Employees Liability Act 1938, Workmen's Compensation Act 1923, Industrial Disputes Act 1947, Maternity Benefits Act 1961, and the Contract Labour (Regulation and Abolition) Act 1970, Provident Fund Act or the modifications thereof or any other laws relating thereto and the rules made there under from time to time.
- b) The Bidder shall indemnify and keep indemnified AEGCL against payments to be made under and for the observance of the laws aforesaid and the Contractors' Labour Regulations without prejudice to his right to

claim. The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.

- c) The Bidder shall at his own expense arrange for all the safety provisions for the safety of all workers and employees directly or indirectly employed on the work by the Bidder.
- d) The Bidder shall be fully responsible at his own expenses for compliance all the labour regulations and rules to be observed by them. The Bidder shall fully indemnify AEGCL against any action by the state and/or Central Government for any default or alleged default by the Bidder for violation of any of such rules and regulations. If, due to any default of the Bidder, AEGCL has to incur any expenditure for compliance of the rules and regulations or for any other reason connected with such default, AEGCL shall be entitled to recover from the Bidder all such expenditure in full from any payment due to the Bidder.

**9. GOVERNMENT AND LOCAL RULES:-**

- a) The Contractor shall conform to the provisions of all local bye-laws and acts relating to the work and to the regulations etc. of the Government and Local Authorities and of any Company whose system and design is proposed to be connected/utilized. The cost, if any, shall be deemed to have been included in his quoted rates, taking into account all liabilities and shall indemnify AEGCL against such liabilities and shall defend all actions arising from.

**10. ELIGIBILITY OF CONTRACTORS EMPLOYEES:-**

- a) The Contractor shall employ in and about the Execution of the works only such persons as are skilled and experienced in their several trades. A list of such personal should be submitted in corresponding Appendix.

**11. ENGINEER AT LIBERTY TO OBJECT:-**

- a) AEGCL's Site in-charge shall have right to remove any person provided by the Contractor who, in the opinion of the Site in-charge, misconducts himself, or is incompetent or negligent in the proper performance of his duties, or whose presence on Site is otherwise considered by the Engineer to be undesirable, and such person shall not be again allowed upon the Works without consent of the Engineer. Any person so removed from the Works shall be replaced immediately without hampering the work.

**12. TAXES:-**

- a) Any taxes, royalties and duties as per Govt. Law should be responsible of the contractor and must be included in their quoted rate.

**13. INSURANCE:-**

- a) The bidder shall arrange for any pay/cost of personnel accident insurance, medical treatment etc. in respect of their employees assigned to the works for all time and shall govern by Law of the land.

**14. DAMAGE TO PERSON AND PROPERTY:-**

- a) The Contractor shall be responsible for all injury to the work or to workmen, to persons, animals or things and for all damages to the structural and/or decorative part of property which may arise from the operations or neglect of contractor or its employees, against whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this Contract. The Contractor shall at his cost effect the insurance necessary and indemnify AEGCL entirely from all responsibility in this respect. The scope of insurance is to include loss or damage to the work and workmen due to carelessness, accident including fire, earthquake, floods, all medical expenses, compensation to be borne in the event of accident etc., damage or loss to the Contract itself till this is made over a complete state. Insurance is compulsory and must be affected from the very initial stage and should cover the entire contract period till handing over of complete works. The Contractor shall also be responsible for anything which may be excluded from damage to any property arising out of incidents, negligence or defective carrying out of this Contract.

AEGCL shall be at liberty and is hereby empowered to deduct the amount of any damages, compensations, costs, charges and expenses arising or occurring from or in respect of any such claim or damages from any sums due or to become due to the Contractor.

**15. 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.

**16. STATUTORY AND SAFETY REQUIREMENT:-**

- a) Each and every safety measures for MAN and MACHINE will be the sole responsibility of the Contractor without any prejudice. Compensation claim if any will also be the responsibility of the contractor without any

- prejudice.
- b) During the execution of the work, the contractor shall have to mark the site with banner warning/indicating precautions.
  - c) The Contractor shall, throughout the execution and completion of the Works and the remedying of any defects therein:
  - d) Have full regard for the safety of all persons entitled to be upon the Site and keep the Site (So far as the same is under his control) and the Works in an orderly state appropriate to the avoidance of danger to such persons, and
  - e) Provided and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the Engineer or by any duly constituted authority for the protection of the Works or for the safety and convenience of the public or others, and Take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods.

**17. PAYMENT TERMS:-**

- a) No advance/Mobilization advance shall be made in this contract.
- b) No claim for interest shall be entertained by AEGCL.
- c) Two no's of Running bill payment will be made on completion of 30% and 60% of the work in terms of value.
- d) Running Bill must contain certified photocopies of Site Register of up to date work executed and photograph of work in sequence of execution duly signed with seal by AEGCL.
- e) Final bill must contain the original site register.
- f) Final payment shall be released to the contractor only after completion of the work in all respect and final acceptance by AEGCL.
- g) Payment is subject to availability of specific fund.
- h) 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

**18. 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.

**19. WARRANTY:-**

- a) 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.

**20. EXTENSION OF TIME:-**

- a) Time is the essence of the contract. No extension of time shall normally be allowed except on valid and genuine ground.

**21. CHANGE OF NAME OF THE TENDERER:-**

- a) At any stage after tendering, AEGCL shall deal with the Contractor only in the name and the address under which he submitted the tender. All the liabilities/ responsibilities for due execution of the contract shall be that of the Contractor.
- b) Any change/ alteration of name/ constitution/ organization of contractor shall be duly notified to the AEGCL and the AEGCL reserves the right to determine the contract, in case of any such notification.

**22. DEATH, BANKRUPTCY ETC.:-**

- a) If the Contractor becomes bankrupt or being a corporation is in the process of winding up, amalgamation or reorganization, the AEGCL shall be at liberty to:
  - i. Terminate the contract forthwith by notice in writing to the Contractor or to the liquidator or receiver or to any person in whom the contract may become vested.
  - ii. Give such liquidator, receiver or other person the option of carrying out the contract subject to his providing a guarantee for the due and faithful performance of the contract up to an amount to be determined by the AEGCL.
- b) In case of death of the Contractor before completion of work and supply, the Engineer or AEGCL shall be at liberty to:
  - i. Close up the contract and take over the completed portion of work done and made as per specification and make final payment to the legal heir of the Contractor on receipt of claim from such legal heir.
  - ii. Give the contract to the legal heir of the Contractor subject to his depositing a performance security for the due and faithful performance of the contract. The performance security amount shall be determined by the



AEGCL commensurate with the incomplete portion of the work. The AEGCL will enter into a fresh contract with the legal heir of the Contractor on the same terms and conditions of the earlier contract.

- 23. 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.
- 24. 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.
- 25. PAYMENT ON TERMINATION:-**
- a) In the event of termination of the contract, AEGCL shall be at liberty to get balance work done by any third party at the risk and cost of the contractor and due payment of the contractor, if any shall be released after the completion of whole of the works.
- 26. SUSPENSION OF BUSINESS DEALINGS WITH FIRMS/ CONTRACTORS:-**
- a) The AEGCL may suspend business dealings with a Firm/ Contractor, if:-
- i. The Central Bureau of Investigation or any other investing agency recommends such a course in respect of a case under investigation; and if a prima facie case is made out that the firm is guilty of an offence involving unethical, unlawful, fraudulent means in relation to business dealings, which, if established, would result in business dealings with it being banned.
- ii. The AEGCL has past record of non-performance of the Firm in its previously awarded contracts.
- iii. The AEGCL has record of ban against the Firm by other Government /Public sector utility.
- b) However, the AEGCL shall give the Firm/ Contractor a fair chance to explain the circumstances of such previous suspensions.
- 27. BANNING OF BUSINESS DEALINGS WITH FIRMS/CONTRACTORS:-**
- The AEGCL may ban business dealings with a Firm/ Contractor, if:-
- a) The owner (s) of the Firm/ Contractor is convicted by a court of law following prosecution for offences involving unethical, unlawful, fraudulent means in relation to business dealings.
- b) There is strong justification that the Firm has been guilty of malpractices such as, bribery, corruption, fraud, substitution of tenders, interpolation, miss-representation, evasion or habitual default in payment of any Government tax etc.
- c) The Firm continuously refuses to return government dues without showing adequate cause and government are reasonably satisfied that this is not due to reasonable dispute which would attract proceeding in arbitration or court of law.
- d) The Firm is found guilty of involving in unethical practices, such as:-
- i. "corrupt practice" involving offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the action of any such official/ party in procurement process or in contract execution.
- ii. "fraudulent practice" involving misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer.
- iii. "collusive practice" involving a scheme among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition.
- iv. "coercive practice" involving harming or threatening to harm directly or indirectly, persons or their property to influence procurement process or the execution of a contract.
- The AEGCL may sanction a Firm/ Contractor or its successor, including declaring ineligible, indefinitely or for a period of not less than 3 (three) years.
- 28. 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 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.
- 29. 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.
- 30. POLLUTION AND ENVIRONMENT:-**

- a) Each and every measure should be taken to adhere to the standard norms to avert any occasion of Air Pollution, Water Pollution, Soil Pollution and Sound Pollution. In case of any deviation leading to any legal action the Contractor will be solely responsible without any prejudice.

**31. ACCEPTANCE AND TAKEOVER:-**

- a) When the term of contract shall be fully complied with completing all works as per approved drawing and technical specifications to the satisfaction of the Department for a period as applicable, the Contractor/Firm shall have to submit Performance Certificate to the office of the undersigned after the satisfactory completion of the work through the executing authority for finalization of the work/payment as well as for the final acceptance and taking over the completed work and to issue the necessary certificate thereof.

**(D) GENERAL SPECIFICATIONS OF WORK.**

**1. SCOPE OF THE WORK:-**

- a) In general, the scope covers the **Augmentation of 33kV Bus-II at Nazira GSS**. The Scope of Works shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Delivery and Completion of the Goods and Related Services as if such items were expressly mentioned in the Contract.
- b) The equipment covered by this specification shall, unless otherwise stated be designed, constructed and tested in accordance with the latest revisions of relevant Indian Standards and shall conform to the regulations of local statutory authorities.

**2. SPECIFICATION FOR DESIGN AND FABRICATION OF STEEL STRUCTURES:-**

- a) The scope of this section covers specifications for design, fabrication, assembly, supply and erection of galvanized steel structures for equipment and Aluminium IPS tube bus support structures. All structures shall be lattice type structures fabricated from structural steel conforming to IS 2062 (latest).
- b) Drawings of equipment mounting structures and AI IPS tube structures shall be submitted by the contractor for approval of AEGCL. The successful bidder shall apply in writing to AEGCL for obtaining approval of the drawings of above support structures.
- c) In case of equipment support structure, Contractor may require to change the dimensions to match the mounting arrangement of a particular equipment. Suitable modifications shall be carried out in the drawings of equipment support structures by the contractor in order to suit fixation of accessories. The final drawings of mounting structures shall be submitted to AEGCL for approval.
- d) The scope shall include supply and erection of all types of structures including bolts, nuts, washers, hangers, shackles, clamps, anti-climbing devices, step bolts, bird guards, gusset plates, equipment mounting bolts, structure earthing bolts, foundation bolts, spring washers, fixing plates, structure mounted marshalling boxes) and any other items to complete the job.

**3. MATERIALS:-**

- a) The structures shall be of structural steel conforming to any of the grade, as appropriate, of IS 2062 (latest edition) Steel conforming IS 8500 may also be used. Medium and high strength structural steels with known properties conforming to any other national or international standards may also be used.
- b) Bolts used shall conform to IS12427 or bolts of property class 4.6 conforming to IS 6639 may also be used. High strength bolts, if used (only with steel conforming to IS 8500) shall conform to property class 8.8 of IS 3757. Foundation Bolts shall conform to IS 5624. Step bolts shall conform to IS 10238.
- c) Nuts shall conform to IS 1363 (Part 3). The mechanical properties shall conform to property class 4 or 5 as the case may be as specified in IS 1367 (Part 6) except that the proof stress for nuts of property class 5 shall be as given in IS 12427. Nuts to be used with high strength bolts shall conform to IS 6623.
- d) Washers shall conform to IS 2016. Heavy washers shall conform to IS 6610. Spring washers shall conform to type B of IS 3663 Washers to be used with high strength bolts and nuts shall conform to IS 6649.
- e) Structural members, plain and heavy washers shall be galvanized in accordance with the provisions of IS 4759. Galvanization process shall be automatic one. Structural steel galvanized manually will not be accepted. Spring washers shall be hot dip galvanized as per service grade 4 of IS 4759 or IS 1537.
- f) Other materials used in the construction of the supporting structures shall conform to appropriate Indian Standards wherever available.
- g) The material used for manufacturing the switchgear equipment shall be of the type, composition and have physical properties best suited to their particular purposes and in accordance with the latest engineering practices. All the conductors shall be fabricated of Aluminium/ copper tubes of cross sectional area suitable to meet the normal and short circuit current rating requirements. The finish of the conductors shall be smooth so as to prevent any electrical discharge. The conductor ends shall be silver plated and fitted into finger contacts or tulip contacts. The contacts shall be of sliding type to allow the conductors to expand or contract axially due to temperature variation without imposing any mechanical stress on supporting insulators. Both, the conductors as well as the contacts for the conductor connections must be designed for the continuous rated current of the switch gear under the ambient conditions furnished, and shall not exceed the permissible temperature rise.

- h) All supporting structures necessary for the support of the GIS equipment including associated parts such as anchor bolts, beams, *rollers*, etc. shall be supplied. Sufficient attachment points to the apparatus and concrete foundations shall be furnished to ensure successful installation, with required clearances, while taking into account thermal expansion and contraction. **Earthquake requirements in ZONE-V are also to be considered.** Any scaffolding or a movable platform, required for maintenance, shall also be supplied. All steel structure members shall be hot-dip galvanized after fabrication. *Unless otherwise specified, minimum mass of zinc coating for Galvanizing shall be 610 gm/square meter.* All field assembly joints shall be bolted. Field welding shall not be acceptable. Non-corrosive metal or plated steel shall be used for bolts and nuts throughout the work. Manufacturer shall provide suitable foundation channels and anchor bolts to support the switchgear assemblies. All mounting bolts, nuts and washers shall be provided to fasten the switchgear base frames to the foundation channels. Foundation channels and anchor bolts shall be installed in the civil works in accordance with instructions provided by the manufacturer.
- i) The bidder shall, when order in writing by the concerned authority, perform extra work and furnish extra materials not required by the invitation or included in the 'Bill of quantities', but forming an inseparable part of the work concerned. For extra work and materials will ordinarily be paid for the lump sum or unit price/rates stated in the order. Whenever in the judgment of the concerned authority, it is impracticable, because of the nature of the work or for any other reason to otherwise fixed the price/rate in order, the extra work and materials shall be paid for on the basis of actual necessary cost plus overhead and profit allowances.

4. **PRIMING AND PAINTING:-**

- a) As per specifications in the schedule of quantity.

(E) **WORK SCHEDULE.**

1. **SITE HANDOVER:-**

- a) Handing over of the work site will be done in presence of Project Manager or its authorized representative, Resident Engineer, site engineer and contractor or its authorized representative.
- b) The contractor has to submit the list of manpower along with contact numbers to be engaged for the work to the Project Manager.
- c) The date of site handing over to be noted on the Site register duly signed by the Project Manager or its authorized representative, Resident Engineer, site engineer and contractor or its authorized representative.

2. **WORK COMMENCEMENT:-**

The work should be started only after having the following documents.

- a) Work order
- b) Site Register
- c) Measurement Book
- d) Drawings
- e) Specifications of item & schedule of Quantity

3. **SITE REGISTER:-**

- a) It will be issued along with the work order.
- b) It will be the responsibility of the Contractor to record and update the site register with details of Day-to-Day activities and other details countersigned with seal by AEGCL.
- c) The days on which no work is carried out should be recorded in the site register with proper justification.
- d) Any instruction by AEGCL officials during site visit must be noted properly and should be jointly signed by the official and the contractor or its authorised representative.  
In case of any disagreement, the Contractor must notify AEGCL in written.
- e) Any deviation in works must be properly noted in the site register by the Contractor along with proper justification for it.
- f) Progress report along with work completion percentage must be prepared by the Contractor on the basis of site register log and has to be submitted to AEGCL on 1<sup>st</sup> and 16<sup>th</sup> day of the month. In case of holiday, it should submit on next working day.
- g) Site register shall be verified from time to time by the Site In-charge and any anomalies found will be forwarded to higher authorities in written by the Site In-charge of AEGCL.

4. **PERT CHART OR BAR CHART:-**

The successful bidder within 10 (ten) days before the contract is awarded will make out a detailed PERT Chart covering all activities along with detailed program chart on accepted scheme indicating various stages of execution, method of execution and completion of work in different stages keeping the period of completion in view and submit the same to the Engineer for the consideration and approval.

## SPECIAL TERMS AND CONDITIONS OF CONTRACT

### Definition of terms

“Contract” means the Contract Agreement entered into between the Employer and the Contractor, together with the Contract Documents referred to therein; they shall constitute the Contract, and the term “the Contract” shall in all such documents be construed accordingly.

“Contract Price” means the price payable to the Contractor as specified in the Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.

“Day” means calendar day.

“Year” means 365 days.

“Month” means calendar month.

“Party” means the “Employer” or the “Contractor”, as the context requires.

“Employer” means the Assam Electricity Grid Corporation Limited (in short AEGCL) and its assignees.

The “*Contractor*” shall mean the tenderer / bidder whose tender/ bid has been accepted by the “Employer” and shall include the bidder’s legal representatives, successors and assignees.

The “Works” mean what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the under the Contract.

“Completion” means the fulfilment of the Works by the Contractor in accordance with the terms and conditions set forth in the Contract.

“Defect” is any part of the Works not completed in accordance with the Contract.

The “Specification” shall mean the “Employer’s Requirements”.

“Contractor” means the natural person, a company/firm, or a combination of these, whose bid to perform the Contract has been accepted by the Employer and is named as such in the Agreement, and includes the legal successors or permitted assigns of the Contractor.

1. General rules and directions for the guidance of contractors for execution of the works are as per clause of “ASEB Schedule-III, Form No-13 [Form F-2]

**NB:-**

**Above all, the tendering authority reserves the right to accept or reject the eligibility criteria as deemed fit.**

Sd/-

**Dy General Manager  
UAT&T Circle, AEGCL, Garmur, Jorhat**

## DECLARATION

I/We hereby declare that I/We shall treat the tender documents and other records connected with the work as secret/confidential and shall not communicate information derived there from to any other person than to whom I am/are authorised to communicate the same or use the information to any manner prejudicial to the safety of the state.

Signature of the bidder

## BILL OF QUANTITY

Name of Work: Augmentation of 33kV Bus-II at Nazira GSS

**(Rates quoted should be exclusive of GST and F&I)**

Sl. No.	Item Description	Quantity	Units	Rate	Amount
<b>1</b>	<b>Supply of Lattice Structures</b>				
1.1	33kV C9 column (with beam levels at both 5.5m and 7.5m) suitable for handling twin ACSR Zebra conductor (3 nos)	3.75	MT		
1.2	33kV C7 column (without peak, and with beam levels at 5.5m) suitable for handling twin ACSR Zebra conductor (3 nos)	2.25	MT		
1.3	33kV B5 beam suitable for handling twin ACSR Zebra conductor (3 nos)	1.95	MT		
<b>2</b>	<b>Supply of Disc Insulator string</b>				
2.1	33kV, 2x120kN Double Tension string insulators and hardware fittings suitable for Twin ACSR Zebra conductors complete with all clamp and connectors	15	Sets		
2.2	33kV, 2x90kN Double Suspension string insulators and hardware fittings suitable for Twin ACSR Zebra conductors complete with all clamp and connectors	7	Sets		
<b>3</b>	<b>Supply of Earthing material</b>				
3.1	65x12 mm GI Flat for earthing of equipment, structures, etc.	150	Meters		
3.2	40mm dia, 3 m long GI Pipe electrode with treated pit	6	Nos.		
3.3	Other earthing accessories	1	Lot		
<b>4</b>	<b>Supply of Lightning Protection</b>				
4.1	7/3.66 mm GI steel wires (Shield wire) (Quantity of shield wire may vary as per site requirement)	100	Meters		
4.2	1.5 m long Lightning spikes	4	Nos.		
<b>5</b>	<b>Supply of Post Insulator alongwith mounting structures</b>				
5.1	36KV, 1 phase Solid core bus post insulator suitable for holding twin ACSR Zebra conductor (creepage distance 31mm/kV) hardware fittings, clamps & connectors etc.	3	Nos.		
5.2	Mounting structures for 36kV PI with nuts bolts and foundation bolts.	3	Nos.		
<b>6</b>	<b>Supply of Conductor and accessories</b>				
6.1	ACSR Zebra conductor	250	Meters		
<b>7</b>	<b>Supply of Clamps and connectors</b>				
7.3	Spacer for ACSR Zebra conductor	100	Nos.		
7.4	PG Clamp for ACSR Zebra conductor	20	Nos.		
7.5	T-clamp for Twin ACSR Zebra to Single ACSR Panther	24	Nos.		
7.4	T clamp for Zebra to Zebra	21	Nos.		
7.6	Other clamps and connectors and hardware fittings as per site requirement.	1	LS		
<b>8</b>	<b>Supply of Isolator</b>				
8.1	33KV, 1250 A, 31.5 KA for 3 sec, Horizontal double break isolator (without E/S) with both motor and manual operation complete with all hardware fittings, clamps, connectors etc.	1	Set		
8.2	Lattice mounting structures for 33 KV isolator with nuts bolts and foundation bolts	1	set		
<b>9</b>	<b>Dismantling, erection ,installation, commissioning and other services</b>				
9.01	Erection of C7 column	2.25	MT		
9.02	Construction of foundations for lattice steel columns 'C7' including supply of all foundation materials and labour	3	Nos.		
9.03	Erection of C9 column	3.75	MT		

9.04	Construction of foundations for lattice steel columns 'C9' including supply of all foundation materials and labour	3	Nos.		
9.05	Erection of B5 beam	1.95			
9.06	Erection of 36kV Post Insulator, 1 phase Solid core bus post insulator suitable for holding twin ACSR Zebra conductor (creepage distance 31mm/kV) hardware fittings, clamps & connectors etc.	3	Nos.		
9.07	Erection of Mounting structures of 36kV Post Insulators as required including construction of foundation and supply of all foundation materials and labour	3	Nos.		
9.08	Complete dismantling of BUS-2 conductors, with all associated works, including shifting of the same to the AEGCL store house	1	Job		
9.09	Erection of dismantled rail pole structure for construction of take off gantry for Amguri feeder (including foundation and supply of all foundation materials and labour)	1	LS		
9.10	Lowering and re-stringing of outgoing feeder conductor of 33KV Amguri feeder including erection of 1 No of MS channel beam for mechanical support	1	Job		
<b>10</b>	<b>Hoisting and erection of disc Insulators, Hardware Fittings, clamps and connectors, lightning spikes &amp; Stringing of Conductors, shield wires etc.</b>				
10.1	33kV, 2x120kN Double Tension string insulators and hardware fittings suitable for Twin ACSR Zebra conductors	15	Sets		
10.2	33kV, 2x90kN Double Suspension string insulators and hardware fittings suitable for Twin ACSR Zebra conductors	7	Sets		
10.3	Stringing of ACSR Zebra conductor with required jumpering	85	Rm		
10.4	Stringing of 7/3.66mm GI steel wires (shield wires) and erection of lightning spikes	100	Job		
10.5	Erection of clamps and connectors as per site requirement	1	Job		
<b>11</b>	<b>Installation of earthing system</b>				
11.1	Installation of earthing system with GI Flats, Pipe electrode, construction of treated earth pits	1	Job		
<b>12</b>	<b>Erection, testing, commissioning of Isolators ( including laying of cable)</b>				
12.1	33KV, 1250 A, 31.5 KA for 3 sec, Horizontal double break isolator( without E/S) with both motor and manual operation complete with all hardware fittings, clamps, connectors including laying of power and control cables etc.	1	Set		
12.2	Erection of Lattice mounting structures including Construction of foundation for 33kV isolator including supply of all foundation materials and labour	1	Set		
12.3	Construction of Type D Cable Trench	15	Rm		
<b>ADD: F&amp;I @ 5 % for Items under SI No.1 to 8</b>					
<b>(A) TOTAL</b>					
<b>ADD: GST @ 18% on A</b>					
<b>GROSS TOTAL</b>					

Sd/-  
Dy General manager  
UAT&T Circle, ARGCL, Garmur, Jorhat

*Appendix-1*

**PROFILE OF THE BIDDER**

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)	Employees Provident Fund	:-
f)	Employees State Insurance certificate	:-
g)	Labour License registration	:-
h)	Income Tax Clearance Certificate	:-
i)	Professional Tax Registration	:-
j)	Date of Establishment/ Incorporation	:-
k)	Postal Address	:-
	House No.	:-
	Lane	:-
	Street	:-
	Town/Village	:-
	Post Office	:-
	P.S.	:-
	District	:-
	Pin code	:-
l)	Telephone Number	:-
	Mobile No.	:-
	E-Mail Address	:-
	Website	:-
m)	Name(s) of the Owners / Directors/Partners	:-
n)	Name of the Banker with Address and Telephone Number	:-
o)	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:-



*Appendix-2*

**WORK EXPERIENCE OF THE BIDDER**

Following documents to be submitted with Techno-Commercial Bid.

In order to techno-commercially qualify for this Bid, the bidders have to submit 2 (two) nos. of work order along with Performance certificate for similar nature of work executed within last 5 (five) years at any Govt. Deptt., PSU etc. of value not less than Rs.....

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

Sl. No.	Name of work	Nature of Work	Executed Amount	Starting Date	Completion Date
a)					
b)					
c)					
d)					

NB:- The Bidder may prepare extra sheet if required

*Appendix-3*

**FINANCIAL QUALIFICATIONS**

Following documents to be submitted with Techno-Commercial Bid (Envelope-1)

In order to techno-commercially qualify for this Bid, the bidders have to submit annual audit report for last 5 (five) years. The average of best 3 (three) years out of 5 (five) years will be considered for average annual turnover.

1. Financial Qualifications:
  - a) Minimum average annual turnover of Rs..... calculated as total certified payments received for contracts in progress or completed.

NB:- The Bidder may prepare extra sheet if required

*Appendix-4*

**Price Bid**

*The rates quoted should be exclusive of GST and should be firm and legible. The rates should be quoted against each item specified in the BOQ.*