

ASSAM ELECTRICITY GRID CORPORATION LIMITED

Regd. Office:1st floor, Bijulee Bhawan,Paltanbazar,Guwahati-781001

CIN:U40101 AS2003SGC007238

web:www.aegcl.co.in



Bidding Document

For

**Feasibility study, survey & consultancy of 220kV Samaguri-Mariani ckt-II at places for NHAI
elevated road corridor in and around Kaziranga National Park**

DEPUTY GENERAL MANAGER

TEZPUR T&T CIRCLE

AEGCL, TEZPUR-784154

Tender Cost: ₹1000.00

EMD: ₹26000.00

BID NO: AEGCL/DGM/TTC/TEZ/T-20/2024/264,

dtd. 04.12.2024

For & on behalf of the **Managing Director, AEGCL, the Deputy General Manager, Tezpur T&T Circle, AEGCL, Kunderbari, Depota, Tezpur**, invites tenders in prescribed form, from reputed Firms/Contractors/Manufacturers with sound technical and financial capabilities for the following work. A single stage two envelope procedure (**Techno-Commercial and Price Bid**) will be adopted for this tender.

Sl. No.	Name of work	Time of completion In Days	Name and address of Consignee
1	<p style="text-align: center;">Feasibility study, survey & consultancy of 220kV Samaguri-Mariani ckt-II at different jobs for height raising/shifting.</p> <p style="text-align: center;">Preparation of plan & profile & tower schedule.</p> <p style="text-align: center;">Height raising (7 jobs)</p> <p style="text-align: center;">Tower: 67-68,79-80,86-87,128-129,165-166,187-188,193-194</p> <p style="text-align: center;">Shifting (3 jobs)</p> <p style="text-align: center;">Tower Loc No.</p> <p style="text-align: center;">167,168,169,170,171-(Job A)</p> <p style="text-align: center;">Tower Loc No. 176,177-(Job B)</p> <p style="text-align: center;">Tower Loc No. 189,190,191-(Job C)</p>	45 days from the date of issue of work order	<p style="text-align: center;">Asst General Manager, Nagaon T&T Division AEGCL</p>

1.0	Cost of Bidding Document:	
	Bidder has to pay Non-Refundable tender document cost of Rs.1000.00 (Rupees One Thousand) only in the form of A/C payee Demand draft (Non-refundable) pledged in favour of AEGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1, payable at Guwahati.	
2.0	Bidding Address:	

2.1	<p>Tender papers can be purchased on application in plain paper from the Deputy General Manager, Tezpur T&T Circle, AEGCL, Tezpur.</p> <p>Key Dates:-</p> <p>a) Bid Document available date: 10:00hrs of 04-12-2024 b) Bid Submission Start Time & date: 11:00hrs of 04-12-2024 c) Bid Submission end time & date: 11:00hrs of 26-12-2024 d) Techno-Commercial Bid Opening time: 12:00hrs of 26-12-2024</p>
3.0	Validity of Bids and Bids Prices:
3.1	Bids shall remain valid for a period of 180 days after the bid 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. If a bid security shall also be extended for a corresponding period.
3.2	Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request shall not be required or permitted to modify its bid.
3.3	Bidders shall quote for the entire scope of supply and services on a “single responsibility” basis such that the total bid price covers all the Supplier’s obligations mentioned in or to be reasonably inferred from the bidding document in respect of the design, manufacture, including procurement, delivery, and completion of the entire scope.
3.4	Bidders shall give a breakdown of the prices in the manner and detail called for in the Price Schedules.
4.0	Bid Security:
4.1	All bids must be accompanied by a bid security amounting to Rs. ₹26000.00 only in the form of Bank Guarantee/Demand Draft from any Nationalized Bank payable at Guwahati in favour of AEGCL, Bijulee Bhawan, Paltanbazar, Guwahati-01.
4.2	If a bid security is specified, any bid not complying then his bid shall be rejected by the Employer as non-responsive.
4.3	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.
4.4	The bid security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder’s furnishing of the performance security.
4.5	The bid security may be forfeited: <p>a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder.</p> <p>b) if the successful Bidder fails to: <p>(i) sign the Contract with in the specified period.</p> <p>(ii) furnish a performance security within 15 (fifteen) days’ time.</p> </p>

4.6	The Bid Security of a JV shall be in the name of the JV that submits the bid. If the JV has not been legally constituted at the time of bidding, the Bid Security shall be in the names of all future partners as named in the letter of intent.
4.7	If a bid securing declaration is not executed in accordance with the above, AEGCL will declare the Bidder ineligible to be awarded a contract by the AEGCL for the period of time stated in the Form of Bid Securing Declaration.
5.0	Format and Signing of Bid:
5.1	The Bidder shall prepare one original of the Technical Bid and one original of the Price Bid comprising the Bid and clearly mark it —ORIGINAL - TECHNICAL BID and —ORIGINAL - PRICE BID. In addition, the Bidder shall submit three copies of the bid, in the number specified and clearly mark each of them —COPY. In the event of any discrepancy between the original and the copies, the original shall prevail.
5.2	The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the Bid Document and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid where entries or amendments have been made shall be signed or initialled by the person signing the bid.
5.3	A bid submitted by a JV shall be signed so as to be legally binding on all partners.
5.4	Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialled by the person signing the bid.
6.0	Submission and Opening of Bids:
6.1	Submission, Sealing and Marking of Bids:
6.1.1	Bidders may submit their bids by mail or by hand. When so specified in the Bid Document, bidders shall have the option of submitting their bids electronically. Procedures for submission, sealing and marking are as follows: Bidders submitting bids by mail or by hand shall enclose the original and each copy of the Bid, including alternative bids, if permitted in accordance with above, in separate sealed envelopes, duly marking the envelopes as —ORIGINAL and —COPY. These envelopes containing the original and the copies shall then be enclosed in one single envelope.
6.1.2	The inner and outer envelopes shall: <ul style="list-style-type: none"> (a) bear the name and address of the Bidder; (b) be addressed to the Bidding Authority. (c) bear the specific identification of this bidding process indicated in the Bid Document

6.1.3	The outer envelopes and the inner envelopes containing the Technical Bid shall bear a warning not to open before the time and date for the opening of Technical Bid.
6.1.4	The inner envelopes containing the Price Bid shall bear a warning not to open until advised by the AEGCL.
6.1.5	If all envelopes are not sealed and marked as required, the Employer will assume no responsibility for the misplacement or premature opening of the bid.
6.2	AEGCL 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 AEGCL and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
7.0	Eligible Bidders:
7.1	A Bidder may be a private entity or a government-owned entity or any combination of such entities 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 (JV). In the case of a JV: <ul style="list-style-type: none"> a) all partners shall be jointly and severally liable, and b) the JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.
7.2	A Bidder, and all partners constituting the Bidder, shall have Indian nationality. A Bidder shall be deemed to have the nationality of a country if the Bidder is a national or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of Republic Of India. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract including related services.
7.3	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. 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: <ul style="list-style-type: none"> (a). they have controlling partners in common; or (b). they receive or have received any direct or indirect subsidy from any of them; or (c). they have the same legal representative for purposes of this bid; or (d). they have a relationship with each other, directly or through common

	<p>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</p> <p>(e). a Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which it is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one bid; or</p> <p>(f). 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.</p>
7.4	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.
7.5	Bidders shall provide such evidence of their continued eligibility satisfactory to the AEGCL, as the Employer shall reasonably request.
7.6	In case a prequalification process has been conducted prior to the bidding process, this bidding is open only to prequalified Bidders.
8.0	Financial Capability:
8.1	Bidder will require to submit along with the bid the audited balance sheets and other legal financial statements acceptable to AEGCL, for the recent year to demonstrate the current soundness of the Bidders financial position and its prospective long term profitability. As a minimum, an Applicant's net worth calculated as the difference between total assets and total liabilities should be positive.
8.2	Average Annual Turnover : Minimum average annual turnover INR3,89,400.00 calculated as total certified payments received for contracts in progress or completed, within the last Year.
8.3	Financial Resources: Bidder need to demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments to meet: <p>(1) the following cash-flow requirement, INR 3,89,400.00 and</p> <p>(2) the overall cash flow requirements for this contract and its current works commitment.</p>
9.0	Experience:
9.1	Experience on similar nature of works under contracts in the role of manufacturers, contractor, subcontractor, or management contractor for at least the last 7(Seven) years prior to the bid submission deadline.
9.2	Route Survey of transmission line/lines of at least 5 KMs of voltage level 132 kV and above. Documentary Evidence of Experience is to be provided in works of a similar nature (as defined in the scope of this bid) in the last five years. The Contractor/Firm

	<p>should produce work experience/completion certificate from officer not below the rank of Executive Engineer strictly in the name of the Contractor/Firm of similar work relevant to the tendered work, done within last 7 years and should be either of the following:</p> <p>(a) Three (3) similar completed works costing not less than Rs. 5,19,200.00. (b) Two (2) similar completed works costing not less than Rs. 6,49,000.00 (c) One (1) similar completed works costing not less than Rs.10,38,400.00</p>
9.3	The Bidder must have experience of executing work of similar nature previously. The bidder must submit experience and completion certificate for scrutiny by AEGCL. Each of such project/ works should consist of completion certificate as per Clause 9.1.
10.0	Evaluation Criteria:
10.1	Evaluation will be done on the basis of <i>Bid Clause</i> No. 7.0 , Eligible Bidders, Cl. No. 8.0 , Financial Capability, Cl. No. 9.0. , Experience and in accordance with the Annexure I to be duly filled in, signed and submitted by the bidder.
10.2	Price Bid of only Responsive Techno-Commercial Bidders will be opened.
10.3	Arithmetical Error , if observed while in Price Bid evaluation, same will only be corrected.
10.4	Any post bid correction request will NOT BE ENTERTAINED.
10.5 10.6	<p>Price Bid Envelope of the Non-responsive Techno Commercial Bidders will be returned to the respective bidders against submission of a written request by the bidder.</p> <p>The following methodology will be practised for identification and treatment of the Abnormally Low Bids (ALB) in this tender process of AEGCL:</p> <p>(i) Absolute Approach is to be considered when there is fewer than five substantially responsive bidders and if the bid price is 20% or more below AEGCL's cost estimate then AEGCL's tender evaluation committee should clarify the Bid price with the bidder to determine whether the Bid is Abnormally low.</p> <p>(ii) Relative approach is to be considered when there are at least 5 (five) nos. of substantially responsive bids and the lowest bid price is 20% or more below AEGCL's cost estimate. In this approach, first the Average bid price is determined and then by deducting the standard deviation from the Average bid price, potentially ALB may be determined.</p> <p>(iii) In case of an ALB, the tender evaluation committee/appropriate authority of the respective tenders shall undertake the following three stage review process which is as below:</p> <ul style="list-style-type: none"> • To identify ALB as per the steps mentioned in SI no. 10.6.(i) and 10.6.(ii), whichever is applicable. • To seek and analyse the clarifications from the abnormally low Bidder in terms of resource inputs and pricing, including overheads, contingencies and profit margins. In that respect, the committee may refer to guideline of World Bank, AIIB, ADB etc. prescribed for ALB. • To decide whether to accept or reject the bid. • On acceptance of the bid, whether Additional Performance Security is to be imposed on the bidder supplemented by adequate justification.

	<p>(iv) In case of acceptance of ALB with Additional Performance Security:</p> <ul style="list-style-type: none"> • If any abnormally low bid is accepted with additional performance security, it is to be noted that the total performance security should not exceed 20% of the total contract value. • The additional performance security shall be treated as part of the original performance security and shall be valid for a period similar to that applicable for defect liability period of the contract. • Non submission of the additional performance security shall constitute sufficient ground for rejection of the bid and similar assessment shall then be initiated for next ranked bidder if that bidder is also identified as ALB.
11.0	Late Bid:
11.1	Any bid submitted <i>after the due date and time</i> will be rejected without any prejudice.
11.2	AEGCL will not be responsible for any Postal and/or Courier Delay in delivering the bid. The same received after the scheduled closing date and time will be rejected without any prejudice.
11.3	Bidding through EMAIL WILL NOT BE ACCEPTED.
12.0	Clarification:
12.1	A prospective Bidder requiring any clarification of the Bidding Document shall contact the AEGCL in writing at the AEGCL's address indicated in the BDS or raise his enquiries prior to 7 (seven) days of closing of the bid. The Employer will respond to any request for clarification, provided that such request is received no later than seven (7) days prior to the deadline for submission of bids. The AEGCL's response shall be in writing with copies to all Bidders who have acquired the Bidding Document including a description of the inquiry but without identifying its source. Should AEGCL deem it necessary to amend the Bidding Document as a result of a request for clarification, it shall do so.
12.2	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 for the provision of plant and services. The costs of visiting the site shall be at the Bidder's own expense.
12.3	The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents 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.
12.4	The Bidder's designated representative is invited to attend a pre-bid meeting, if provided for in the BDS. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

12.5	The Bidder is requested, as far as possible, to submit any questions in writing, to reach the AEGCL not later than one week before the pre-bid meeting if there is provision of Pre Bid Meeting.
12.6	Minutes of the pre-bid meeting, including the text of the questions raised, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding. Any modification to the Bidding Document that may become necessary as a result of the pre-bid meeting shall be made by AEGCL exclusively through the issue of an Addendum but not through the minutes of the pre-bid meeting.
12.7	Non-attendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.
13.0	Amendment of Bidding Document:
13.1	At any time prior to the deadline for submission of bids, the Employer may amend the Bidding Document by issuing addenda.
13.2	Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding Document from AEGCL.
13.3	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.
14.0	Preparation of Bids by the Bidders:
14.1	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.
14.2	Language of Bid: 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 language.
14.3	Bid Prices and Discounts:
14.3.1	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 and subcontracting (if any), delivery, construction, installation and completion of the Work. 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.
14.3.2	Bidders are required to quote the price for the commercial, contractual and technical obligations outlined in the bidding document. If a Bidder wishes to make a deviation, such deviation shall be listed. The Bidder shall also provide the additional price if any, for withdrawal of the deviation.
14.3.3	Bidders shall give a breakdown of the prices in the manner and detail called for in the Price Schedules. Where no different Price Schedules are included in the Bidding Document, bidders shall present their prices in the following manner: (a) Separate numbered Schedules shall be used for each of the following elements. (i) The total amount from each Schedule shall be summarized in a Grand Summary giving the total bid price(s) to be considered.
14.3.4	The price of the work shall be quoted as the Base Price or EXW Price
14.3.5	Sales Tax, GST and all other taxes (as applicable) payable on the work should be indicated separately. In case of failure to indicate so AEGCL will consider such taxes are included in the Offered Price.
14.3.6	Whenever forest produces like sand, stone, timbers etc are used in the work the contractor have to furnish documentary proof that requisite royalty on such produces has been paid to the concerned Department.
14.3.7	When the work being “work contract” which is one and individual and which involves no separate contract for the sale of materials, the contractor shall have not be entitled to get any VAT and or any other taxes, levies reimbursed from the AEGCL for the supply of the materials.
14.3.8	Taxes like work contract, income tax etc. which need to be deducted at source as per the prevailing law of the land, will be deducted at source.
14.3.9	The Prices shall be FIXED and FIRM: 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. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.
15.0	Additional Requirements:
15.3.1	Bidders(s) knowledge from actual personal investigation of the resources of the region or District (S) in which he/they offers the work.
15.3.2	The Bidder shall furnish copy of their PAN Card. The card must be in the name of firm, in case the bidder is a partnership Firm.
15.3.3	In case the bidder is a partnership Firm, the work experience, solvency and turn over shall be in the name of partnership Firm only.
15.3.4	Upto date GST Return, and Annual turn over for last three financial year
15.3.5	GST registration No.
15.3.6	Registered Power of attorney, if any.

15.3.7	I T Return for last three financial year
15.3.8	Audited Balance Sheet and Profit and Loss Account for last three financial year
15.3.9	Reputed and financially sound civil engineering firms/contractors having experience of successfully executing similar nature of work during the last 7 years. (Submitted with supporting documents).
15.3.10	Required Tools and machineries required for the survey
16.0	Negotiation with successful bidder:
	The AEGCL reserve the right to hold negotiations with lowest who should be lowest, valid, eligible and technically acceptable bidder considered for award of contract directly if the rates were not unreasonably high.
17.0	TECHNICAL REQUIREMENTS
17.1	Intent of specification
	<p>This section of the specification deals with the technical information & criteria for “Feasibility study, survey & consultancy of 220kV Samaguri-Mariani ckt-II at different jobs for height raising/shifting. Preparation of plan & profile & tower schedule.</p> <p>Height raising (7 jobs)</p> <p>Tower: 67-68,79-80,86-87,128-129,165-166,187-188,193-194</p> <p>Shifting (3 jobs)</p> <p>Tower Loc No.</p> <p>167,168,169,170,171-(Job A)</p> <p>Tower Loc No. 176,177-(Job B)</p> <p>Tower Loc No. 189,190,191-(Job C)”</p> <p>The Contractor's proposal shall be based on the use of materials complying fully with the requirements specified herein.</p>
18.0	Scope
	<p>The scope of work under this contract consists of :</p> <p>a) Feasibility study, Route Survey and consultancy of 220V Samaguri-Mariani Ckt-II for height raising job at towers:67-68,79-80,86-87,128-129,165-166,187-188,193-194 and for shifting at loc no. 167,168,169,170,171-(Job A), Tower Loc No. 176,177-(Job B) and Tower Loc No. 189,190,191-(Job C)”</p> <p>b) Detailed survey using total work station , GPS, Preparation of master plan, including</p>

	<p>profiling, tower spotting and optimization of locations using computer aided techniques as well as other activities.</p> <p>c) As per site requirement, 1 or more suitable route may be highlighted on the profile drawing. Necessary photographs of the survey locations also to be submitted.</p> <p>All works and labour as per Bill of Quantity and bid specification is under the scope of the bidder. The Bill of Quantities for indicative purposes is furnished in Price Schedules.</p>
19.0	Contractor to inform himself fully
19.1	The Contractor should ensure that he has examined the General Conditions, qualifying criteria, Specifications and Schedules and has satisfied himself as to all the conditions and circumstances affecting the contract price and fixed his price according to his own views on these matters and acknowledge that no additional allowances except as otherwise provided therein will be levied.
19.2	AEGCL shall not be responsible for any misunderstanding or incorrect information obtained by the Contractor other than information given to the Contractor in writing by AEGCL.
20.0	Conformity with Indian Electricity rules & other local regulations wherever applicable:
20.1	The Contractor shall note that all substation works shall comply with the latest provisions of Indian Electricity Rules and with any other regulations. Local authorities concerned in the administration of the rules and regulation relating to such works shall be consulted, if necessary, in regard to the rules and regulations that may be applicable.
20.2	The materials 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.
20.3	The Contractor shall also comply with the Minimum Wages Act 1948 and the payment of Wages Act (both. Of the Government of India and State of Assam) and the rules made there under in respect of any employee or workman employed or engaged by him or his Sub-Contractor.
20.4	All registration and statutory inspection fees, if any, in respect of his work pursuant to this Contract shall be to the account of the Contractor. However, any registration, statutory inspection fees lawfully payable under the provisions of the statutory laws and its amendments from time to time during erection in respect of the Substation Works, ultimately to be owned by the Employer, shall be to the account of the Employer. Should any such inspection or registration need to be re-arranged due to the fault of the Contractor or his Sub-Contractor, the additional fees to such inspection and/or registration shall be borne by the Contractor.
20.5	In case of any conflict between the standards and this specification, this specification shall govern.
21.0	Employer Supervision

21.1	<p>The scope of the duties of the Employer, pursuant to the contract, will include but not be limited to the following.</p> <ul style="list-style-type: none"> a) Inspect, accept or reject any material and work under the Contract. b) Issue certificate of acceptance and/or progressive payment and final payment certificate.
22.0	Packing:
	<p>All the materials shall be suitably protected, coated, covered or boxed and crated to prevent damage or deterioration during transit, handling and storage at Site till the time of erection. The Supplier shall be responsible for any loss or damage during transportation, handling and storage due to improper packing.</p>
	<p>The Supplier shall include and provide for securely protecting and packing the materials so as to avoid loss or damage during transport by air, sea, rail and road.</p>
	<p>All packing shall allow for easy removal and checking at site. Wherever necessary, proper arrangement for attaching slings for lifting shall be provided. All packages shall be clearly marked for with signs showing 'up' and 'down' on the sides of boxes, and handling and unpacking instructions as considered necessary. Special precaution shall be taken to prevent rusting of steel and iron parts during transit by sea.</p>
	<p>The cases containing easily damageable material shall be very carefully packed and marked with appropriate caution symbols, i.e. fragile, handle with care, use no hook etc. wherever applicable.</p>
	<p>Each package shall be legibly marked by the-Supplier at his expenses showing the details such as description and quantity of contents, the name of the consignee and address, the gross and net weights of the package, the name of the Supplier etc.</p>
23.0	Materials handling and storage:
	<ul style="list-style-type: none"> (a) All the supplies under the Contract as well as Employer supplied items (if any) arriving at site shall be promptly received, unloaded and transported and stored in the stores by the Contractor. (b) Contractor shall be responsible for examining all the shipment and notify the Employer immediately of any damage, shortage, discrepancy etc. for the purpose of Employer's information only. The Contractor shall submit to the Employer every week a report detailing all the receipts during the week. However, the Contractor shall be solely responsible for any shortages or damages in transit, handling and/or in storage and erection at site. Any demurrage, and other such charges claimed by the transporters, railways etc., shall be to the account of the Contractor. (c) The Contractor shall maintain an accurate and exhaustive record-detailing out the list of all items received by him for the purpose of erection and keep such record open for the inspection of the Employer. (d) All items shall be handled very carefully to prevent any damage or loss. The materials stored shall be properly protected to prevent damage. (e) All the materials stored in the open or dusty location must be covered with suitable weatherproof and flameproof covering material wherever applicable. (f) The Employer will verify the storage facilities arranged by the contractor and dispatch clearance will be provided only after Employer is satisfied.

24.0	DAMAGE TO PERSON AND PROPERTY: -
	<p>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 for damages from any sums due or to become due to the Contractor.</p>
25.0	LABOUR LEGISLATION: -
	<p>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.</p>
26.0	TECHNICAL SPECIFICATIONS
26.1	<p>A brief description of scope of work covered under this Bidding Document is furnished below:</p> <p>Feasibility study, survey & consultancy of 220kV Samaguri-Mariani ckt-II at different jobs for height raising/shifting. Preparation of plan & profile & tower schedule.</p> <p>Height raising (7 jobs)</p>

Tower: 67-68,79-80,86-87,128-129,165-166,187-188,193-194

Shifting (3 jobs)

Tower Loc No.

167,168,169,170,171-(Job A)

Tower Loc No. 176,177-(Job B)

Tower Loc No. 189,190,191-(Job C)

26.2

SERVICE CONDITIONS

The plant and materials supplied shall be suitable for operation under the following climatic and other conditions:

- | | | |
|----|---|--------------------------------------|
| 1. | Peak ambient day temperature in stil lair | :45°C |
| 2. | Minimum night temperatures | :0°C |
| 3. | Reference ambient day temperature | :45°C |
| 4. | Relative Humidity | a) Maximum :100 %
b) Minimum :10% |
| 5. | Altitude
above MSL | : Below 1000M |
| 6. | Maximum wind pressure
latest code. | :As per IS: 802 |
| 7. | Seismic Intensity
1893. | :ZONE-V as per IS |

26.3

GENERAL REQUIREMENTS

The scope of works briefly covers the following:

a)) Feasibility study, Route Survey and consultancy of 220V Samaguri-Mariani Ckt-II for height raising job at towers:67-68,79-80,86-87,128-129,165-166,187-188,193-194and for shifting at loc no. 167,168,169,170,171-(Job A), Tower Loc No. 176,177-(Job B) and Tower Loc No. 189,190,191-(Job C)”

b) Detailed survey using total work station , GPS, Preparation of master plan, including profiling, tower spotting and optimization of locations using computer aided techniques as well as other activities.

c) As per site requirement, 1 or more suitable route may be highlighted on the profile drawing. Necessary photographs of the survey locations also to be submitted.

All works and labour as per Bill of Quantity and bid specification is under the scope of the bidder.The Bill of Quantities for indicative purposes is furnished in Price Schedules.

26.4

SITE VISIT:

The bidders must visit and examine the sites of works and its surroundings and obtain

	<p>for itself on its own responsibility all information that may be necessary for preparing the bid. The costs of visiting the Site shall be at the bidder's own expense. For any site related queries, the contact details of the Nagaon T&T Division may be obtained via mail mentioned in the bid.</p>
26.5	<p>TIME SCHEDULE</p> <p>Time to complete Works from the Date of issue of Work Order specified is 45 (Forty Five) days. The above-mentioned time to complete the works comprises of the total duration involved in submission of drawing, documents by bidder and approval from AEGCL for the draft as well as final Report by bidder.</p> <p>No reward will be given for earlier completion.</p>
26.6	<p>QUERY ON THE BIDDING DOCUMENT:</p> <p>Prospective bidders may submit queries, if felt necessary, requesting clarification of any bid clause. Such queries must be submitted to the office latest by the Tender clarification/ submission end date and time mentioned in the NIT. Purchaser shall clarify to the extent felt necessary or issue a corrigendum for any amendment required in the bidding document. Such corrigendum/clarification shall be made available on the official website of AEGCL, www.aegcl.co.in.</p>
26.7	<p>TECHNICAL SPECIFICATION</p>
26.8	<p>PRELIMINARY/WALKOVER SURVEY</p> <ol style="list-style-type: none"> 1. Due to the proposed elevated road corridor in and around Kaziranga National Park, different jobs of height raising/Shifting will be required at different locations of 220kV Samaguri-MarianiCktII. The details of the locations mentioned above. For the height raising/ shifting of towers, Identification of one or more suitable route alignments & selection of optimized route alignment shall be in the scope of the contractor. This shall be done using low resolution satellite imageries of NRSA, Google images and Survey of India maps. The output shall be in the form of digitized route alignment drawing with latest topographical and other details/features up to 8 kms on either sides of selected route alignment (both in hard and soft copies). 2. The following areas, however, are to be avoided as far as possible while selecting the suitable position for shifting of the line at the loc no. .167,168,169,170,171-(Job A), Tower Loc No. 176,177-(Job B) and Tower Loc No. 189,190,191-(Job C)" <ul style="list-style-type: none"> a) Tough inaccessible areas where approach is difficult b) Towns and villages, leaving sufficient margin for their growth. c) Areas subject to floods, gushing nalas during rainy seasons, tanks, ponds, lakes, etc. and natural hazards. d) Wooded areas with high trees or fruit bearing trees involving payment of heavy compensations for cutting of the trees. Swamps and shallow lands

subject to flood, marshy areas, low lying lands, river beds and earth slip zones, etc. involving risk to stability to foundations.

e) High hillocks / hilly areas / sand dunes and areas involving abrupt changes in levels and requiring too many long spans.

f) Series of irrigation wells.

g) Shooting areas and other protected areas such as army / defense installations/ ammunition depots , areas of archaeological importance, forest areas and wild life sanctuary.

h) Areas which involve risk to human life, damage to public & private properties, religious places, cremation grounds, quarry sites and underground mines, gardens, orchards and plantations.

i) Areas which will create problems of right of way and way leaves.

j) Buildings / Storage areas for explosives or inflammable materials, bulk oil storage tanks, oil or gas pipelines, etc.

3. Preliminary survey involves

i. Fixing of angle points of the towers

ii. Identification of crossings of all electrical lines & details of the lines.

iii. Finalizing of crossing points of Railway Tracks & details of such points.

iv. Finalizing of crossing points of major rivers & details of such points

v. Finalizing of crossing points of roads, national highways & details of such points

vi. General classifications of soils, land including forest area.

vii. Measurement of route length etc.

viii. Pegging of locations.

26.9

DETAILED SURVEY

1. The detailed survey shall be carried out using GPS, total stations, digital theodolites etc. along the approved route alignment. As an alternative, the contractor may also use ALTM (Airborne Laser Terrain Modeling) techniques of equal or better accuracy for the detailed survey and plotting on topo sheet to fix up angle point.
2. Soil resistivity, along the route alignment shall be measured in dry weather by four electrode method keeping inter – electrode spacing of 50 mtrs. For calculating soil resistivity formula $2\pi ar$ (where $a=50$ m and r =megger reading in ohms) shall be adopted. In case of soil characteristics changes within 2 to 3 km, values shall have to be measured at intermediate locations also. Megger reading and soil characteristics should also be indicated in the soil resistivity results.
3. Route Marking: The route of the transmission line shall be recorded using GPS of positional accuracy less than 3m. The coordinates of all the angle points as well as other important crossings, landmarks etc. shall be recorded using GPS for easy relocating. At the starting point of the commencement of route survey the co-ordinates shall be recoded. The co-ordinates of the location of the survey instrument shall also be recorded. Further, the co-ordinates at prominent position at intervals of not more than 750 meter along the transmission line to be surveyed upto the next angle point shall also be recorded. Wherever the line alignment crosses the EHT line, Railway line, P&T line or roads, the contractor shall record co-ordinates on the points of crossing. Wherever line route alignment passes over permanent land marks such as rock,

<p>26.10</p> <p>26.11</p> <p>26.12</p>	<p>boulders, culverts etc. suitable white paint marks with directional and AEGCL markings shall be made and co-ordinates recorded. Surveyor should provide concrete block of size 1000x150x150 mm buried to a depth of atleast 750 mm with AEGCL's name embossing on the concrete block at alt angle point locations and important crossings etc.</p> <p>PROFILING</p> <ol style="list-style-type: none"> a. The complete profiling along the route shall be carried out using surveying equipments viz. total stations, GPS, digital theodolite, long range scanners etc. Reference levels at every 20 meters along the route are to be recorded. R/Ls at other undulations along the route as well as in the route plan and other enroute details viz. crossings, building & structures, trees & other infrastructure etc shall also be recorded. Areas along the route, which in the view of the contractor, are not suitable for tower spotting, shall also be marked. b. The complete profiling details shall be digitized and the data shall be prepared & stored in the format compatible to computer – aided tower spotting software. c. A printed / plotted output of the digitized profiling shall be submitted by the contractor to AEGCL's site-in-charge for review before taking up computer-aided tower spotting. <p>OPTIMIZATION OF TOWER LOCATION / TOWER SPOTTING:</p> <ol style="list-style-type: none"> a. Optimization of tower locations shall be done by the Contractor using computer-aided tower spotting software (PLS CADD). In order to verify the results of computer aided tower spotting, the contractor shall supply the AEGCL, one soft copy of tower spotting & optimization report. b. The sag-tension characteristics of the conductor as well as tower spotting data, sag template curves, if any required for tower spotting shall be prepared by the contractor on acrylic sheet indicating cold curve, hot curve, ground clearance curve and support footing curve. <p>TOWER SPOTTING:</p> <ol style="list-style-type: none"> a. While profiling & spotting the towers, the following shall to be borne in mind: (a) Span: The number of consecutive spans between the section points shall not exceed 15 spans or 5 km in plain terrain and 10 spans or 3 km in hilly terrain for 220KV line. A section point shall comprise of tension point with minimum angle of deviation type towers as applicable. b. Extension / Truncation: An individual span shall be as near to the normal design span as possible. In case an individual span becomes too short with normal supports on account of undulations in ground profile, one or both the supports of the span may be extended by inserting standard body / leg extension. In case of locations where the ground clearance is available, truncated towers may be spotted. The provision kept in the design of towers with respect to body/leg extensions, truncations shall be intimated to the contractor by the AEGCL during execution stage. c. Loading: There shall not be any upward force on suspension towers under normal working conditions and the suspension towers shall support at least the minimum weight span as provided in the designs. In case uplift is unavoidable, it
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shall be examined if the same can be overcome by adding standard body extensions to the towers failing which tension towers designed for the purpose shall be employed at such positions.

- d. Road/NH Crossing: At all important road crossings, the tower shall be fitted with double suspension or tension insulator strings depending on the type of tower but the ground clearance at the roads under maximum temperature and in still air shall be such that even with conductor broken an adjacent span, ground clearance of the conductor from the road surfaces will not be less than 9 Mtr for 220KV & 132kV line. At all national highways tension towers shall be utilised and crossing span shall not be more than 250 meters.
- e. Railway Crossings: All the railway crossings coming enroute the transmission line shall be identified by the contractor. At the time of detailed survey, the railway crossings shall be finalized as per the regulation laid down by the Railway Authorities. The following are the important features of the prevailing regulations (revised in 1987).
 - i) The crossing shall be supported on large angle type tower on either side depending on the merits of each case.
 - ii) The crossing shall normally be at right angle to the railway track.
 - iii) The minimum distance of the crossing tower shall be at least equal to the height of the tower plus 6 meters away measured from the center of the nearest railway track.
 - iv) No crossing shall be located over a booster transformer, traction switching station, traction sub-station or a track cabin location in an electrified area.
 - v) Minimum ground clearance above rail level of the lowest portion of any conductor under condition of maximum sag shall be maintained at 15.40 Mtr for 220KV line
 - vi) The crossing span will be limited to 80% of Normal Span or 250 meters whichever is less.
- (f) River Crossings: In case of major river crossings, towers shall be of suspension type and the anchor towers on either side of the main river crossing shall be large angle Y/ D type tower. Clearance required by navigation authority shall be provided. For non-navigable river, clearance shall be reckoned with respect to highest flood level (HFL). Minimum ground clearance above the highest flood level river and lowest point of conductor shall be 3 Mtr. for 220KV line. (g) Power line crossings: Where this line is to cross over another line of the same voltage or lower voltage, R / A type tower with suitable extensions shall be used. Provisions to prevent the possibility of its coming into contact with other overhead lines shall be made in accordance with the Indian Electricity Rules, 1956 / Indian Electricity Act, 2003 as amended upto date. In order to reduce the height of the crossings towers it may be advantageous to remove the groundwire of the line to be crossed (if this is possible, and permitted by the AEGCL of the line to be crossed)
- g) Telecommunication Line Crossings: The angle of crossing shall be as near to 90 degrees possible. However, deviation to the extent of 30 degree may be permitted under exceptionally difficult situations. When the angle of crossing has to be below 60 degree, the matter will be referred to the authority in charge of the telecommunication system. On a request from the contractor, the permission of the telecommunication authority may be obtained by the owner. Also, in the crossing span, power line support will be as near the telecommunication line as

<p>26.13</p>	<p>possible, to obtain increased vertical clearance between the wires. (i) Details en route: All topographical details, permanent features, such as trees, buildings etc. 17.5Mtr (Total 35Mtr) for 220KV line on either side of the alignment shall be detailed on the profile plan.</p> <p>Clearance from Ground, Building, Trees etc.</p> <p>(a) Clearance from ground, buildings, trees and telephone lines shall be provided in conformity with the Indian Electricity Rules, 1956 / Indian Electricity Act, 2003 as amended upto date.</p> <p>(b) The contractor shall count, mark and put proper numbers with suitable quality of paint at his own cost on the trees that are to be cut by the AEGCL at the time of actual execution of the work as detailed below. Contractor may please note that AEGCL shall not pay any compensation for any loss or damage to the properties or for tree cutting due to contractor's work.</p> <p>(c) To evaluate and tabulate the trees and bushes coming within 17.5 Mtr. for 220KV line on either side of the central line alignment the trees will be numbered and marked with quality paint serially from angle point 1 (1) onwards and the corresponding number will be painted on the stem of trees at a height of 1 meter from ground level.</p> <p>(d) The trees list should contain the following: i. Girth (circumstances) measured at a height of 1 meter from ground level. ii. Approximate height of the tree with an accuracy of +2 meters. iii. Name of the type of the species / trees. iv. The bushy and under growth encountered in the 35 Mtr. Belt for 220KV line should also be evaluated with its type, height, girth and area in square meters, clearly indicating the growth in the tree / bush statement. v. The contractor shall also intimate the AEGCL, his assessment about the likely amount of tree & crop compensation etc required to be paid by the AEGCL during execution stage. This assessment shall be done considering prevailing practices / guidelines, local regulations and other enquiries from local authorities.</p>
<p>26.14</p>	<p>The profile sheets showing the locations of the towers together with preliminary schedules of quantities indicating tower types, wind & weight spans, angle of deviation, crossing & other details etc shall be submitted by the contractor for review & approval by AEGCL's site in charge.</p>
<p>26.15</p>	<p>Types of tower shall be A, B, C, D as per IS 5613 and other relevant standard for transmission lines.</p> <p>Conductor to be used for 220 KV shall be ACSR Zebra and panther conductor respectively.</p>
<p>26.16</p>	<p>Tower Schedule submitted shall be as per format specified by the consignee AGM and site incharge.</p> <p>Detailed survey of tower locations:</p> <p>(a) The detailed survey shall be conducted to locate the tower locations on ground conforming to the profile and tower schedule.</p> <p>(b) The co-ordinates of all the tower locations shall also be recorded using GPS of positional accuracy less than 3m for easy relocating. The positions of all tower locations shall be marked in the final digitized route alignment drawing with relative</p>

	<p>distances from any permanent bench mark in the area.</p> <p>(c) The contractor shall also collect required data at each tower location in respect of soil strata, ground water level, history of water table in adjacent areas / surface water and classify the suitable type of foundation at each tower location based on the data collected at each location and detailed soil investigations carried out at selected locations etc.</p> <p>(d) The levels up or down of each pit center with respect to center of tower location shall be recorded at intervals of 2m using total stations / GPS / digital theodolite and digitized contour plans shall be made. Based on the digitized elevation plans, the quantities of benching & protection work vis-à-vis possible unequal leg extensions shall be optimized using suitable computer aided techniques / software.</p> <p>The changes desired by the AEGCL in the preliminary tower schedule or as may be required based on detailed survey of tower locations & contouring by the contractor, shall be carried out by the contractor and the final tower schedule shall be submitted for approval of AEGCL. The tower schedule shall show position of all type of towers, span length, type of foundation for each tower, benching & revetment requirement, unequal leg extensions, deviation at all angles, crossings & other details etc.</p> <p>I. WORKMANSHIP</p> <p>1. All workmanship shall be according to the current Industry standard and best practices. Before starting a pour the Contractor shall obtain the approval of the Owner in a "Pour Card" maintained for this purpose. He shall obtain complete instructions about the material and proportions to be used, Slump / workability, Quantity of water per unit weight of cement, number of test cubes to be taken, type of finishing to be done, any admixture to be added, any limitation on size of pour and stopping of concrete in case of premature stopping of pours.</p>
27.0	<p>Supervising Authority:</p> <p>The work shall be carried out under supervision of the Consignee AGM, Nagaon T&T Division, AEGCL and an officer deputed by him as site in charge .</p> <p>After completion of the work, the report is to be submitted to GM(P&D), Narengi, AEGCL & DGM (Civil), AEGCL.</p>
27.1	<p>Approving Authority:</p> <p>The GM (P&D), AEGCL, Narengi& DGM (Civil), AEGCL shall approve the submitted report. After approval, the contractor shall submit the report(s) to the office of CGM(PP&D), AEGCL,. All data is to be submitted in AutoCAD format, PDF as well as hard copies (Colored) as referred above.</p>
27.2	<p>Wherever there is any variation in between the conditions of the AEGCL's General Conditions of Supply and Erection 2009 and the bid terms & conditions, this bid conditions will supersede the conditions of the AEGCL's General Conditions of Supply and Erection 2009.</p>
28.0	<p>Liquidated Damage:</p> <p>The date of completion of work shall be deemed to be the essence of the contract and shall not be completed no later than the date specified in the contract. In case of failure to complete the work within the stipulated period AEGCL shall be entitled to:</p>
28.1	<p>Recover an amount at the rate of 1% (One percent) of the Contract Price per week or part thereof of delay, subject to maximum of 10% (Ten percent) of the contract price as</p>

	liquidated damage to AEGCL. However, the payment of liquidated damages shall not in any way relieve the Contractor from any of its obligations to complete the works or from any other obligations and liabilities of the Contractor under the Contract.
28.2	To complete the balance work giving notice to the Contractor/Firm and to recover any extra expenditure incurred thereby for having to complete the work at a higher price at the risk and responsibility of the Contractor/Firm.
28.3	Contractual failure:- Refer clause No.27.1 of AEGCL's General Conditions of supply and erection 2009.
29.0	Insurance:
	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 land.
30.0	Warranty:
30.1	The Supplier/Manufacturer warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
30.2	The Supplier/Manufacturer further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.
31.0	Safety:
31.1	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. As the contract is Turnkey in nature hence AEGCL will not bear any responsibility towards such claim.
32.0	Pollution:
	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.
33.0	Payment terms:
33.1	No advance/Mobilization advance shall be made in this contract.
33.2	Payment will be made by DGM, Tezpur (T&T) Circle, AEGCL, Kunderbari,Depota. The Bidder / Firm will have to be submitted the following Net Banking details. (a) Banker's Name & Branch (b) Account No (c) Banker's address (d) Banker's IFSC Code (e) Banker's RTGS Code
34	Performance security deposit:
34.1	The successful bidder shall have to deposit through a Bank Guarantee/Demand Draft 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, immediately within 10 (ten) days from the issue of the letter of intent/detailed orders (as the case may be), duly pledged in favour of AEGCL, BijuleeBhawan, Paltanbazar, Guwahati-1 , and such security deposit shall be valid up to 30 days beyond the warranty period of 12 (Twelve) months. The Bank Guarantee (BG) should be submitted to the O/O the Deputy General Manager, Tezpur T&T Circle, AEGCL, Tezpur-784001 by the issuing Bank under registered post AD.
34.2	Please note that, if the selected Bidder / Firm fails to furnish the requisite performance security as stated above and signs the contract within the stipulated period, 10 percent security money will be deducted from the total Bill value.
34.3	If the bidder / 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.
34.4	No interest shall be payable on such deposits.
33.5	The supplier has to supply the materials to the consignee as mentioned in the bid.
35	Retention Money:
35.1	In addition to above performance security deposit, retention money @ 20% of the total value of the order will be retained by the Engineer/Purchaser as per Bid Clause 33. The amount will be held by the Purchaser (AEGCL) till the work under the contract is completed and the completion certificate is issued.
35.2	If the Firm/Bidder fails or neglects to observe and perform any of his obligations under the contract, the Purchaser (AEGCL) shall have the right to forfeit either in full or in part at his absolute discretion, the security deposit furnished by the supplier/contractor.
35.3	No interest shall be payable on such deposit.
36.0	Force Majeure Condition:
	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.
37.0	Settlement of Dispute and Arbitration:
	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 to be by an arbitrator appointed by AEGCL. The contractor shall not stop the work during settlement of any dispute. All disputes shall be subjected to the jurisdiction of District Court of Kamrup District.
38.0	Right to Reject:
	AEGCL reserves the right to reject any or all the bids without assigning any reason

	thereof and the AEGCL further reserves the right to split up the work order in favour of more than one Contractor. The AEGCL also reserves the right to reject the lowest or any other price without assigning any reason.
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<p>The clauses which are not appearing in this document (bid) 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 under Acts, Rules and Policies Tab.</p>

Letter of Technical Bid

[Bidder's Letterhead]

Date: _____

Tender No.: _____

Invitation for Bid No.: _____

To: _____

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda No.: _____.
- (b) We offer to supply in conformity with the Bidding Document and in accordance with the completion/delivery schedule specified in the bid document, the following Goods and Related Services: _____
- (c) Our Bid shall be valid for a period of _____ days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) If our Bid is accepted, we commit to obtain a Performance Security in the amount of _____ percent of the Contract Price for the due performance of the Contract;
- (e) We are not participating, as Bidders, in more than one Bid in this bidding process;
- (f) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.
- (g) Our firm, its affiliates or subsidiaries, including any Subcontractors or Suppliers for any part of the contract, has not been declared ineligible by AEGCL, APDCL or APGCL under the Employer's country laws or official regulations
- (h) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Price Proposal Submission Sheet

Date: _____

Tender No.: _____

Invitation for Bid No.: _____

To: _____

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Document, including Addenda No.: _____

(b) We offer to supply in conformity with the Bidding Document and in accordance with the completion/delivery schedule specified Schedule of Supply & Erection, the following Goods and Related Services: _____

(c) The total price of our Bid, excluding any discounts offered in item (d) below is: _____

(d) The discounts offered and the methodology for their application are: _____

(e) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract:

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate "none.")

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Bidding Forms:

Name of work:

Bid Identification No:

General

- (i) Name of the Firm/Contractor:
- (ii) Full Address:
- (iii) Constitution of the Firm:
 - a) Whether Partnership or any type:

A) Experience as Clause 9 in the bid

- (i) No of years the Firm/Contractor has been in operation under its present name.
- (ii) Testimonials from Clients Company on various works executed.
(Details of works executed/under execution in the last three years including other department)

Sl. No.	Name of work & W/O No.	Worked Done Under	Value of Work	Present status/completed on

B) Financial Position

- (i) Financial Turnover during the last recent year (copies of Audited Annual report, Accounts or a statement duly certified by a chartered accountant and Income Tax return.

Year	Turn over

Any other details that the tenderer may like to furnish to substantiate their financial and technical ability to undertake this work and complete the same within stipulated period of completion.

Name of the Bidder:-

Signature of the Bidder/Firm

Full Name

Postal Address

Phone/Mobile No.

Form of Bid Security (Bank Guarantee)

(To be stamped in accordance with Stamp Act)

(The non-Judicial Stamp Paper should be in the name of issuing Bank)

Date: _____

Bid Reference No.: _____

WHEREAS, _____ [Name of Bidder] (hereinafter called "the Bidder") has submitted his bid dated _____ [Date] for the supply of _____ [Name of Contract] (hereinafter called "the Bid").

KNOW ALL MEN by these presents that We _____ [Name of Bank] of _____ [Name of Place] having our registered office at _____ (hereinafter called "the Bank") are bound unto _____ [Name of Purchaser] (hereinafter called "the Purchaser ") in the sum of _____1 for which payment well and truly to be made to the said Purchaser the Bank binds himself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this ___ day of _____ 20___.

THE CONDITIONS of this obligation are:

- 1) If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder in the Bid Submission Sheet, except as provided in the relevant Bid **Clause**;
Or
- 2) If the Bidder refuses to accept the correction of errors in his Bid;
Or
- 3) if the Bidder, having been notified of the acceptance of his Bid by the Employer during the period of Bid validity;
 - a) fails or refuses to execute the Form of Contract Agreement in accordance with the Instructions to Bidders, if required; or
 - b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Bidders;

We undertake to pay to the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or all of the three conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date ___ days after the deadline for submission of bids as such deadline is stated in the Instructions to Bidders or as it may be extended

by the Purchaser, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE _____ SIGNATURE OF THE BANK _____

WITNESS _____ SEAL _____

(Signature, Name, and Address)

ANNEXURE: I

BOQ

(To be submitted in the Part-II as 'Price bid' in sealed envelope)

Feasibility study, survey & consultancy of 220kV Samaguri-Mariani ckt-II at places for NHAI elevated road corridor in and around Kaziranga National Park					
Sl no.	Item description	Unit	Qty	Rate	Amount
1	<p>Feasibility study, survey & consultancy of 220kV Samaguri-Mariani ckt-II at different jobs for height raising/shifting. Preparation of plan & profile & tower schedule</p> <p>Height raising (7 jobs)</p> <p>Tower: 67-68,79-80,86-87,128-129,165-166,187-188,193-194</p> <p>Shifting (3 jobs)</p> <p>Tower Loc No.</p> <p>167,168,169,170,171-(Job A)</p> <p>Tower Loc No. 176,177-(Job B)</p> <p>Tower Loc No. 189,190,191-(Job C)</p>	Jobs	10		
Total					
9% SGST					
9% CGST					
Grand total					

ANNEXURE: II

Following information is to be furnished in the 'Technical and Commercial bid' as first page .

(Please tick mark where necessary.)

1)	Earnest money (EMD)	:Submitted/Not submitted
	a) Amount of EMD	:Rs.
	b) Submitted in the form of	
	Bank Guarantee /Demand Draft	: Yes/No.
2)	Validity of the offer	: days from the date of opening of 'Technical & Commercial Bid' & 'Price bid'.
3)	Nature of price offered	
	i) 'FIRM' Price	: Yes/No
4)	Terms of payment (Whether agreeable to accept payment as specified in clause- 33)	: Yes/No
5)	Date of completion of supply (Please specify the date of completion of supply/Erection as per specification)	: Yes/No
6)	'Security and performance guarantee' (Whether agreeable to accept as specified in Clause no-34&35)	: Yes/No
7)	List of orders executed for similar works furnished	: Yes/No
8)	Performance certificate from the Govt/Govt undertaking furnished	: Yes/No

9)	Deviation from the specifications	
	a) Technical	: Yes/No
	b) Commercial	: Yes/No
10)	Information in respect of technical capability is furnished	: Yes/No
11)	Information in respect of Financial capability certificate from the Banker is furnished	: Yes/No
13)	PAN card as per Cl. No. 15.3.2	: Yes/No
14)	GST registration no. as per Cl. No. 15.3.4	: Yes/No
15)	Registered Power of Attorney as per Cl.no. 15.3.6 enclosed.	: Yes/No

Name of the Bidder:-

Signature of the Bidder/Firm

Full Name

Postal Address

Phone/Mobile No.