

For & on behalf of the **Managing Director, AEGCL, the Deputy General Manager, Tezpur T&T Circle, AEGCL, Dhanuwa Nagar, Tezpur**, invites, sealed tenders in prescribed form, from reputed Civil Engineering Firms/Contractors 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	Bid Security In INR	Time of completion In Days
1.	Installation of water supply scheme with deep tube well, sand filter, pump shed and staging for overhead reservoir at 132/33 KV Dhekiajuli Substation, AEGCL.	24,000.00	120 days

1.0 Cost of Bid Document:

- 1.1. **INR 1000.00 (Rupees One Thousand) only for each group in the form of A/C payee Demand draft/Bankers Cheque (Non-refundable) pledged in favour of the Managing Director, AEGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1, Payable at Guwahati.**

2.0 Bidding Address:

- 2.1. Tender papers can be purchased on application in plain paper to the **Deputy General Manager, Tezpur, T&T Circle , AEGCL, Dhanuwanagar, Tezpur on all working days upto 11-04-2018.**

3.0 Validity of Bids

- 3.1. Bids shall remain valid for the 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.

4.0 Bid Security:

- 4.1. Unless otherwise specified in the Bid Document, the Bidder shall furnish as part of its bid, in original form, either a Bid Securing Declaration or a bid security as specified in the Bid Document. In the case of a bid security, the amount shall be as specified in the Bid Document i.e. **INR 24,000.00 duly pledged to the Managing Director, AEGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1, Payable at Guwahati.**
- 4.2. The bid security shall be a demand guarantee, at the Bidder's option, in any of the following forms:
- Bank Draft from any Nationalised Bank
 - an unconditional bank guarantee; or
 - an irrevocable letter of credit; or
 - a cashier's or certified check; from a reputable source of the country. The bid security shall be submitted either using the Bid Security Form as Specified, in the case of a

bank guarantee, or in another substantially similar format approved by the Employer prior to bid submission. In either case, the form must include the complete name of the Bidder. The bid security shall be valid for twenty-eight days (28) beyond the original validity period of the bid, or beyond any period of extension.

- 4.3. If a bid security is specified, any bid not complying then his bid shall be rejected by the Employer as non-responsive.
- 4.4. 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.
- 4.5. The bid security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the performance security.
- 4.6. The bid security may be forfeited:
 - a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder.
 - b) if the successful Bidder fails to:
 - (i) sign the Contract with in the specified period.
 - (ii) furnish a performance security within 15 (fifteen) days' time.
- 4.7. 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.
- 4.8. 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:
- (a) 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:
- (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. Deadline for Submission of Bids vis-à-vis Bid Opening**
- 6.3. Bids must be received by the AEGCL at the address and no later than **14.00 Hours (IST) of 12th of April, 2018.**
- 6.4. Subsequently, the bids will be opened publicly at **14.30 Hours (IST) 12th of April, 2018.**
- 6.5. 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:
- 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:

- (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 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
 - (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
 - (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.
- 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.
- 7.7. The bidder must have experience in **construction of similar civil work** _____ (*detail the work*) _____ (*detail the quantity*).

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 last 3 (three) years 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 **INR 11,90,000.00** calculated as total certified payments received for contracts in progress or completed, within the last 3 (Three) Years.
- 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:
- (1) the following cash-flow requirement, **INR 11,90,000.00** and

(2) the overall cash flow requirements for this contract and its current works commitment.

9.0 Experience:

- 9.1. Experience on relevant work under contracts in the role of contractor, subcontractor, or management contractor for at least the last 5(five) years prior to the bid submission deadline.
- 9.2. Participation as contractor, in at least three 3 (three) contracts within the last 5 (five) years, with a value of at least **INR 6,00,000.00** that have been successfully or are substantially completed and that
- 9.3. Are similar to the proposed work **Installation of water supply scheme with deep tube well, sand filter, pump shed and staging for overhead reservoir at 132/33 KV Dhekiajuli Substation, AEGCL.** Each of such project/ works should consist of at least three work order having one or more completion certificate .

10.0 Evaluation Criteria:

- 10.1. Evaluation will be done on the basis of *Bid Clause* No. **7.0**, Eligibility, 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. **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.

11.0 Late Bid:

- 11.1. Any bid submitted **after the due date and time** 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.
 - 12.4.1. 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.
 - 12.4.2. 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.
 - 12.4.3. Nonattendance 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 and/or Assamese 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. All 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 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 & 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:

15.1. Detailed list of tools, plants, equipment's and machinery available with the tenderer along with their value (A copy of approved assessor's certificate to be enclosed or affidavit).

15.2. Name, qualifications of the technical supervisors and staff under the employment of the tenderer and organization on hand and proposed to be engaged for the subject work (Authenticated by a Chartered Accountant or sworn through affidavit).

15.3. Other facilities available with the tenderer not covered hither to.

- 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. Copy of Contract labour license.
- 15.3.3. The Bidder shall furnish copy of their PAN Card. The card must be in the name of firm, in case the tenderer is a partnership Firm.
- 15.3.4. In case the tenderer is a partnership Firm, the work experience, solvency and turn over shall be in the name of partnership Firm only.
- 15.3.5. GST registration certificate and valid labour license.
- 15.3.6. Registered Power of attorney, if any.

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 tenderer considered for award of contract directly if the rates were not unreasonably high.

17.0 Materials of Construction:

17.1. The Bidder should confirm that the materials of construction will be as below:

- (a) Cement Lafarge, Ultra Tech, Ambuja or approved brand of manufacture as per specification confirming to IS 269, 1970. (*Cement grade to be specified as per the instance of work*). The grade of cement shall not be less than M 20.
- (b) Reinforcement bars conforming to relevant IS Code for RCC works, (TMT bar).
- (c) Prior approval from Engineer-in-charge or his authorized representatives shall have to be obtained for utilization of cement/steel brought to the site.
- (d) Purchased documents of cement/steel shall have to be produced and kept in record in the contractor bill.
- (e) The cement/steel purchased from the authorised dealer of local market may be allowed to use after checking the quality.
- (f) Prior to construction BLOCK TEST is to be carried out and in case of any deviation from standard practice any work done will be rejected and the contractor will have to reconstruct at his / their cost and labour.

17.2. Contract Agreement:

- 17.3. An agreement shall have to be drawn on non judicial stamp of appropriate value with the Department 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/Work Order.
- 17.4. Wherever there is any variation in between the conditions of the AEGCL's General Conditions of Supply and Erection 2009 and the above terms & conditions, these bid conditions will supersede the conditions of the AEGCL's General Conditions of Supply and Erection 2009.

18.0 Liquidated Damage:

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:

- 18.1. Recover an amount at the rate of 0.5% (Zero Point Five percent) of the Contract Price per week, subject to maximum of 10% (Ten percent) of the contract price as 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.

- 18.2. 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.
- 18.3. Contractual failure:- Refer clause No.27.1 of AEGCL's General Conditions of supply and erection 2009.

19.0 PERT Chart and/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.

20.0 Site Facility

- 20.1. AEGCL will not provide any accommodation at the work site for the contractor and their field personnel. The same have to be arranged by the Bidder/Firm from their own. The contractor shall provide Medical/Hygienic facilities to the personnel engaged by them.
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 the AEGCL may provide free site for labour camp, construction of yard etc close to site of work.
No assurance can be given regarding the vulnerability of AEGCL's land given for use to the Bidder to flooding during high floods. The AEGCL undertakes no responsibility or liability in this regard.
The bidder shall make his own arrangement for arranging power supply as may be required for work. The AEGCL may, however assists 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.
- 20.2. 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.

21.0 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.

22.0 Warranty:

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.

23.0 Safety:

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.

24.0 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.

25.0 Payment Terms:

- 25.1. No advance/Mobilization advance shall be made in this contract.
- 25.2. Payment of running shall be admissible against progressive bills provided the Contractor/Firm completes at least 25% of the total amount of the work. 10% Deduction towards RETENTION will be made.
- 25.3. Final payment shall be released to the contractor only after final acceptance by AEGCL and submission of Performance Security Bank Guarantee.
- 25.4. No claim for interest shall be entertained by AEGCL in respect of any money or balance which may be in AEGCL's hands owing to any dispute or difference or misunderstanding between the contractor and the AEGCL or due to the reason beyond the reasonable control of AEGCL.
- 25.5. **Payment against these works can only be made after receipt of funds from Govt. Of Assam.**
- 25.6. The quantities may vary as per site requirements. Actual work done quantities will be measured after completion of work and will be paid as per certification by Engineer-in-charge.
- 25.7. TDS at actual will be deducted from the payable amount against each invoice/bill.
- 25.8. Bill will be routed through DGM, Tezpur (T&T) Circle, AEGCL, Dhanuwanagar, Tezpur, and Payment will be made through Net Banking system at HQ.

The Bidder / Firm will have to submit 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

26.0 Performance Security Deposit:

- 26.1. 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, 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 the **The Managing Director, AEGCL, Bijulee Bhawan, 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 sent directly to the

O/O the Managing Director, AEGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1 by the issuing Bank under registered post AD.

- 26.2. Please note that, if the selected Bidder / Firm fails to furnish the requisite performance security as stated above and sign the contract within the stipulated period, LOI/work order issued in favour of the Bidder/ Firm will automatically be Null & void.
- 26.3. 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.
- 26.4. No interest shall be payable on such deposits.

27.0 Retention Money:

- 27.1. In addition to above performance security deposit, 10% value of each progressive bill will be retained by the Engineer/Purchaser as Retention Money. The amount will be held by the Purchaser (AEGCL) till the work under the contract is completed and the completion certificate is issued in pursuance to clause 25.0 of AEGCL's General Conditions of Supply and Erection 2009.
- 27.2. 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.
- 27.3. No interest shall be payable on such deposit.

28.0 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 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.

29.0 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.

30.0 Scope of Work:

Installation of water supply scheme with deep tube well, sand filter, pump shed and staging for overhead reservoir at 132/33 KV Dhekiajuli Substation, AEGCL.

The scope of work under this contract consist of providing of all labours, materials, scaffolding, equipment and plants and transportation of all incidental items not shown or specified but

reasonably implied or necessary for the proper completion of work. The scope of work covered by this specification is primarily complete civil works.

30.1. Excavation for Structures:

- 30.1.1. Pits trenches for foundation and trenches and other structures shall be taken out to the levels and dimensions shown on the approved drawings or to such other levels and dimensions as the Engineer-in-charge may direct. The bottom of all excavations shall be carefully levelled and stopped on benches as directed by the Engineer. Any pocket of soft or loose materials and fissures in the bottom pits and trenches shall be removed and the cavities so formed filled or grouted with concrete as directed by Engineer-in-charge. When any excavation has been done and trimmed to the required levels and dimensions, the Engineer-in-charge shall be informed accordingly so that he may inspect the complete pit or trench and no excavation shall be filled in and covered with concrete until it has been inspected and the contractor has been authorized to proceed with work. All surplus excavation not required for refilling shall be deposited in embankments, or otherwise disposed off as directed. The work shall include all necessary sheeting, shoring, bracing, drawing and pumping out water, removal of all logs, stumps, grabs and other deleterious matters, obstructions, necessary for placing the foundations.
- 30.1.2. When required by the Engineer-in-charge, materials in the last 500mm of depth of the excavations shall not be removed until immediately before the concrete is to be placed.
- 30.1.3. All excavation for structures shall generally be as small as practicable, consistent with the proper construction of work. Any excavation taken out to a greater depth than that required shall be back filled with concrete of the foundation grade at the cost of the contractor.
- 30.1.4. Where water is met with during excavation due to stream flow, seepage, springs, rain or other reasons, the contractor shall take adequate measures such as bailing, pumping, constructing diversion channel, drainage channel, ponds and other necessary works to keep the foundation trenches dry and other necessary and to protect the green concrete against damage by eruption or sudden rising of water level. Approval of the Engineer-in-charge to any method adopted for the adequacy of dewatering and protection arrangements and for the sound safety of the work shall be required.
- 30.1.5. Refilling of foundation pits and trenches shall be carried out only after the foundation and structure works within the excavation have been inspected and approved by the Engineer-in-charge. Unless otherwise directed by the Engineer-in-charge all fillings shall consist of approved materials. All space between foundation concrete and the sides of excavation shall be refilled to the original surface using approved plant, in single layers not exceeding 250mm loose thickness which shall be watered and completed to a dry density not less than that of the adjoining soil strata. Timber sheeting and other excavation support shall be carefully removed as the filling proceeds but the removal of such supports will not relieve the contractor of his responsibility for the stability of the works.
- 30.1.6. Test Block will be submitted by the contractor for Testing. Testing fees will be deducted from the subsequent Invoice of the Contractor. In case of failure of Test Block during the Test. The work carried out will be rejected and contractor will have to reconstruct at his / their cost and labour without any prejudice.

30.2. Form Work:

- 30.2.1. Transportation of drilling rig to the work site.....

- 30.2.2. Exploration of aquifer by using vertical echo system.
- 30.2.3. Boring of 200 mm dia bore well by rotary/DTH system including cost of fuel and carriage of compressor etc...
- 30.2.4. Development of the tube well with compressor or by over pumping unit for 48 hours till sand free discharge is obtained...
- 30.2.5. Supplying fitting and fixing pipes plain/level ended for casing, conforming to relevant I.S code of practice including supplying & fixing of tube well accessories, lowering of assembly pipes as directed by the department.
- 30.2.6. Supplying including installation, connection as approved by the dept., testing and commissioning of submersible pump set.
- 30.2.7. Contractor is to extract and submit samples of different underground layers of rocks and sand found while boring and has to submit BORE LOG DATA at the time of submission of completion report.
- 30.2.8. Contractor has to submit the warranty cards of the motors at the time of submission of completion report.
- 30.2.9. Before submission of completion report, the contractor has to perform a test run of the deep tube well in presence AEGCL Officials, showing satisfactory discharge of clear water.

30.3. Form work:

The term form work includes all temporary or permanent form essential for forming the concrete, together with all temporary construction props, bracings required for the support.

- 30.3.1. Forms for concrete shall be made of either metal or timber suitably lined and of substantial and rigid construction true to shape, alignment and dimensions as shown on the approved drawings.
- 30.3.2. Forms shall be mortar tight and shall be made sufficiently rigid by the use of ties and bracings to prevent any displacement, deflection or movement of any kind. They shall be strong enough to withstand of the construction, all pressure, ramming and vibration, movement of persons, materials and plant during and after placing the concrete. Special measures shall be taken to ensure that the form work does not hinder the shrinkage of concrete because without this cracking could occur before the form work is removed.
- 30.3.3. When the Forms are ready for commencing concreting, the contractor shall inform the Engineer-in-charge or his representative to inspect and accept the forms as to their strength, alignment and general fitness. Being satisfied with the form work Engineer-in-charge then may allow the contractor for pouring concrete but safety of men, machinery, materials and for result obtained.

30.4. Workability of Concrete:

Optimum quantity of water shall be mixed just to produce a design concrete of required workability. Workability shall be such that the concrete surrounds and properly grips all reinforcement. The degree of consistency, which shall depend upon nature of work and method of vibration of concrete shall be determined by regular slump tests to be carried out by the contractor at his cost. Usually for mass concrete in RCC works where vibrations are used the slumps shall be within 10mm to 25mm. the frequency of such tests and the natures of slumps shall be maintained within the limits specified by the Engineer-in-charge. The Engineer-in-charge also reserves the right to carry out slump tests independently at his own discretion.

- (i) Cement shall have to be weighed from bulk stocks at site and not by bags, it shall be weighed separately from the aggregates.
- (ii) Water shall either be measured by volume in calibrated buckets or weighed. All necessary equipment shall be maintained in a clean and serviceable condition. Their accuracy shall be periodically checked.
- (iii) To maintain the specified water cement ratio constant and at its correct value, moisture contents in both fine and coarse aggregates shall be determined with reference to IS: 2386 (Part-III) and amount of mixing water shall then be adjusted suitably.

30.4.1. Mixing Concrete:

- (i) All concrete shall be mixed at site in a drum type mechanical mixer in first class working condition. Mixing shall be continued till materials are uniformly distributed and a uniform colour of the entire mass is obtained and each individual particle of the coarse aggregate shows complete coating of cement mortar. The mixing shall in no case be less than 2 minutes after all the ingredients have been put into the mixer.
- (ii) Mixer which has been out of use for more than 30 minutes shall be thoroughly cleaned before putting in a new batch. Mixing plant shall be thoroughly cleaned before and after use. A standby mixing plan equivalent to that in use shall be provided and maintained ready for immediate use during any break down.

30.4.2. Construction Joints:

- (i) All construction joints horizontal or vertical shall be at predetermined position according to approved drawing or as directed by the Engineer-in-charge. Prior to commencement of fresh concreting over any construction joint which has set but hardened, the removal of laitance and roughening shall be done by wire brushing and washing and care shall be taken to avoid dislodgement of coarse aggregates.
- (ii) At construction joints where the concrete has hard, any skin or laitance shall be thoroughly hacked, swept cleaned and washed with clean fresh water. The surplus water shall be removed immediately before depositing fresh, concrete. The neat cement, grout shall be followed by 13mm thick layer of cement mortar of same proportion as in concrete and the concreting resumed immediately thereafter. The first batch of fresh concrete shall be forced hard on to the mortar layer and the set faces, angles and corners by means of compacting tools, vibrators etc. and the damping effect on vibration in such position shall be allowed for.
- (iii) Construction joints shall be avoided as far as possible in case of structure, especially at tensile zones. Where unavoidable, concreting shall be carried out continuously up to such joints which shall preferably be transverse to the line of main compression. However, in all cases, the position of construction joints shall be predetermined and got approved by the Engineer-in-charge.

30.4.3. Reinforcements:

- (i) All reinforcement shall be cleaned thoroughly by removing loose scales, oil, grease or other deleterious materials. The contractor shall obtain the approval of the Engineer-in-charge or his representative to the reinforcement when fixed in position before any concrete is deposited in the forms.
- (ii) Bars shall be bent cold or straightened in a manner to the satisfaction of the Engineer-in-charge or his representative. Bars bent during transport or handling shall be straightened

before using on work. They shall not be heated to facilitate bending. Welding shall be done as per latest IS Code of practice.

(iii) Placing and maintenance of reinforcement in position.

- a) All reinforcement bars shall be cut and standard hooks for MS rounds made at ends and accurately placed in position as shown on the approved drawings and shall be securely held in position before and during concreting by annealed binding wires used for binding the reinforcement shall be approved quality soft annealed iron wire not less than 1 mm (18SWG) size, conforming to IS:280.
- b) As far as possible, bars of full length shall be used. Where bars are required or permitted to be lapped by the Engineer-in-charge, or his representative, the over laps shall be staggered for different bars and located at points, along the span where neither nor bending moment is maximum. The concrete measured over the reinforcing bars shall be in accordance with the approved drawings.

30.4.4. Weep Holes:

- (i) Sufficient Nos of weep holes including provision of Asbestos pipes (in the weep hole portion only) in abutments, wing and return walls is to be provided as directed by the Engineer-in-charge with contractors own labour, materials etc. No extra payments will be admissible for provision of the weep holes in RCC/Brick compound boundary wall and no deduction from quantity of concrete/Brick work shall be made for weep holes.

31.4 Brick Masonry

Brick work in cement mortar with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed in sub-structure up to plinth level.

All works cited above shall be performed in conformity with the standard technical specifications in accordance with the drawing approved and release for construction by the employer during the course of work.

31.5 Additional Works If Any:

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 as indicated hereunder.

The actual necessary cost will include:-

- (a) Market value of the materials utilized in the extra work, excluding taxes and duties, if any. Taxes will be dealt separately.
- (b) Actual cost of handling and transportation of materials, wherever applicable.
- (c) Direct labour charges.
- (d) A reasonable allowances for the use of contractors plants and equipment, where required.
- (e) The actual charges of facility like electricity etc. where required.

(f) Further overhead and supervision charges will be allowed @ 10% on the sum of (a) to (e) and a profit will be allowed @ 10% on the sum of (a) to (e). In case any materials or a part is furnished by the department no overhead and profit will be allowed on the value of such materials or parts.

31.6 Plea of Custom:

- (a) The plea of “Custom” prevailing will not on any account be permitted as an excuse for infringement of any of the conditions of contract or specifications.
- (b) The contract shall not be vitiated by any inadvertent omissions of any kind in the surveys, information, specifications, drawings or schedule of quantities.

31.0 Final Acceptance and Taking Over:

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 completion 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.

33.0 Performance Guarantee / Defect Liability Period:

The materials and entire construction/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.

34.0 Right to Reject:

The 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. 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

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

- (i) No of years the Firm/Contractor has been in operation under its present name.
- (ii) Details of work executed/being executed by the tenderer in the last three years.
- (iii) Testimonials from Clients Company on various works executed for the last three years.
(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	Specified date of completion	Present status/completed on

B) Financial Position

- (i) Financial Turnover during the last three years (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.

PRICE BID: Schedule – I (Supply)
(To be submitted in the Part-II, 'Price bid' in sealed envelope in quadruplicate)
: I : SCHEDULE OF PRICES AND OTHER DATA.

(Note: Items and Sub items shown in this Annexure shall only be used in preparing Price Bidding Schedules. Any other items not specifically mentioned here under are Deemed to be included in other Items)

Item	Description	Measuring Units	Qty	Unit Price	Total Price
1	2	3	4	5	6
1.	Not Required				
2.					
3.					
4.					
TOTAL Columns 6 to be carried forward to Schedule No. III. Grand Summary					

Name of the Bidder:-

Signature of the Bidder/Firm

Full Name

Postal Address

Phone/Mobile No.

Schedule No. II (ERECTION)
Installation and Other Services (Installation and commissioning services including Civil Works)

SCHEDULE OF QUANTITY (ERECTION)

(Note: Items and Sub items shown in this Annexure shall only be used in preparing Price Bidding Schedules. Any other items not specifically mentioned here under are Deemed to be included in other Items)

Name of work : Installation of water supply scheme with deep tube well, sand filter, pump shed and staging for overhead reservoir at 132/33 KV Dhekiajuli Substation, AEGCL.

Sl no	Description of item	Unit	Qty.	Rate	Unit
(A)	Installation of deep tube well along with 3/5 HP submersible pump at 132 kV Dhekiajuli GSS.				
1.	As per W/O No.AEGCL/DGM(C)/Tech-36/2010-11/933, dtd.10-08-2010. Transportation of drilling rig to the work site.....	Job	1		
2.	Present market rate:-Exploring of aquifer by using vertical echo system.	Job	1		
3.	Approved rate of Bijulee Bhawan:-Boring of 300 mm dia bore well by rotary system including cost of fuel and carriage of compressor etc.....	Rm	130.00		
4	(APWD schedule of building, sanitary and water supply schedule 2013-14):-Development of the tube well with compressor or by over pumping unit for 48 hours till sand free discharge is obtained....	Job	1		
5	Supplying fitting & fixing pipes plain/level ended for casing, conforming to relevant I.S code of practice including supplying & fixing of tube well accessories, lowering of assembly pipes.....department. (ii) PVC pipes (Supreme/Prince/Fusion/SFMC brand) (iii) 200 mm dia..	Rm	110.00		
6	Supplying fitting & fixing ISI approved PVC filter 3.00 metre long (vi) 200 mm dia	Each	3		
7	(APWD schedule of building for electrical works 2013-14):-Supplying including installation, connection as approved by the dept. testing and commissioning of submersible pump set. 39.6.8; Single phase Submersible motor pump set (Texmo / Crompton Greaves/ Aquatic/ CRI/ V-Guar/ Calma make) suitable for 100 mm bore well and above. 3 HP STAGE 7 to 40 with control panel	Each	1		
8.	As per W/O No.AEGCL/AGM/W-8/Pt-V/2008/152, dtd.30-08-08 Supplying and fixing of 'U' clamp...	Each	8		
9.	Supplying and fixing clamp for 40mm dia column pipe 2 nos=1 set....	Set	1		
10	(APWD schedule of building, sanitary & water supply schedule 2013-14):-Supplying fitting and fixing suction pipes plain/bevel ended conforming to relevant I.S code of practice, lowering of assembly pipes etc...	Rm	60.00		

	(A) G.I pipe (III) 40 mm dia.				
11	Supplying fitting & fixing G.I pipes of following sizes with all necessary 'R' brand or similar approved G.I fittings.....(TATA medium) (A) From boring point to the overhead reservoir. 40 mm dia..... 25 mm dia.....	Rm Rm	20.00 15.00		
12.	As per W/O No.AEGCL/DGM(C)/Tech-36/2010-11/933, dtd.10-08-2010. Complete earthing system for pump and the panel board.....	Job	1		
13	(APWD schedule of building water supply & sanitary schedule 2013-14):-Supplying & fixing gun metal country pit valve..... (b)40 mm dia..... (c)25 mm dia.....	Each Each	2 2		
(B)					
14	Earth work in excavation for foundation trenches of walls retaining walls, footings of column, steps, septic tank etc. including refilling the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified. (b) In hard/ dense soil.	M ³	11.842		
15	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately). (a) in prop 1:3:6 aggregate by volume.	M ³	0.76		
16	3.1.1.1 Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0 M and removal of the same for in-situ reinforced concrete and plain concrete work in: (ii) Using 25mm thick plank 3.1.1.5 Flat surfaces such as soffits of suspended floor roofs, landings, cantilever slabs, chajjas, balconies and the like. (ii) Using 25mm thick plank.	M ² M ²	36.95 27.52		
17	Supplying, fitting and fixing in position reinforcement bars conforming to relevant IS code for R.C.C. work including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20 G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (b)other I.S.I. approved TMT reinforced=ment bar				

	(SRMB/SAI/BISCON/X TECH) (for A.T building, drain works, retaining wall & boundary wall etc.)H.Y.S.D. bar.	Qtl	7.61		
18	<p>Providing and laying Plain/Reinforced cement concrete works cement coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete works (shuttering where necessary shall be measured and paid separately).</p> <p>(i0 Using kixer Machine.</p> <p>(A) In substructure up to plinth level. Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level.</p> <p>N) Without using admixture, plasticizer.</p> <p>b) M-20 grade concrete or prop 1:1.5:3.</p> <p>B) In super structure from plinth level up to 1st floor level.</p> <p>i) Walls (thickness not less than 100mm) including attached pilasters, buttresses, plinth and string course etc.</p> <p>N) Without using admixture, plasticizer.</p> <p>b) M20 grade concrete or prop. 1:1.5:3</p>	M ³	3.22		
		M ³	3.01		
19	<p>Providing pre cast RCC slab in prop.1:2:4 reinforced with 10 mm TMT/HYSD bars @ 150 mm center both ways tying with 20 Gauge Black annealed wired with necessary shuttering, curing etc complete including fixing in position as directed.</p> <p>a) 100 mm thick slab</p>	M ²	2.695		
20	<p>Brick work in cement mortar with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed in sub-structure up to plinth level.</p> <p>(b) In proportion 1:4</p>	M ³	0.755		
21	<p>15mm thick cement plaster in single coat on single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm in girth and finished even and smooth including curing complete as directed.</p> <p>A) On rough side.</p> <p>(b) In proportion 1:4</p>	M ²	1.60		
22	<p>supplying fitting and fixing G.I pipes of following sizes, with all necessary 'R' brand or similar approved G.I fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting H.W. clamps etc complete at all levels including below G.I as directed and specified.</p> <p>ii) Using Tata. (Medium)</p> <p>a) 50mm dia. = 50.00m</p>	R.M	50.00		

	b) 40mm dia = 60.00m d) 25 mm dia = 90.00m	R.M RM	60.00 90.00		
23	Supplying fitting gun metal country pit full way valve I.S.I make as specified and directed. a) 50mm dia. b) 40 mm dia	each each	4 2		
24	Renewing G.I Tee(heavy quality) as specified & directed. (f) 50 mm dia	Each	5		
25	Renewing G.I bend (heavy quality) as specified. 9e) 50 mm dia	each	4		
26	Renewing G.I.nipple 15mm to 50 mm. e) 40mm dia.	each	2		
27	Renewing G.I.Union joints. f) 50mm dia e) 40mm dia c) 25 mm dia	each each each	1 2 2		
28	Renewing G.I.bend. e) 50mm dia	each	2		
29	Supplying filter media. Sand. (special quality) Gravel.	M ³ M ³	2.22 1.85		
(C)					
30	Earth work in excavation for foundation trenches of walls retaining walls, footings of column, steps, septic tank etc. including refilling the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified. (b) In hard/ dense soil.	M ³	0.87		
31	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately). (a) in prop 1:3:6 aggregate by volume.	M ³	0.126		
32	Supplying, fitting and fixing in position reinforcement bars conforming to relevant IS code for R.C.C. work including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20 G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (b) other I.S.I. approved TMT reinforcement bar (SRMB/SAI/BISCON/X TECH) (for A.T building, drain works, retaining wall & boundary wall etc.)H.Y.S.D. bar. c) ISI approved M.S bar.	Qtl Qtl	1.39 0.48		
33	Providing form work of ordinary timber planking				

	so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0 M and removal of the same for in-situ reinforced concrete and plain concrete work in: (ii) Using 25mm thick plank	M ²	18.01		
34	Providing and laying Plain/Reinforced cement concrete works cement coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete works (shuttering where necessary shall be measured and paid separately). (i0 Using kixer Machine. (A) In substructure up to plinth level. Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level. N) Without using admixture, plasticizer. b) M-20 grade concrete or prop 1:1.5:3.	M ³	1.28		
35	Earth/sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sale tax and other duties and taxes as may be necessary. b) With hill sand obtained by truck carriage loading and unloading and carriage to the site of work.	M ³	3.27		
36	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed. (I) In substructure up to plinth level including dewatering if necessary. b) in prop. 1:4.	M ³	2.24		
37	1 st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1 st floor level (protruding M.S. rod/tor steel of column to be embedded in cement mortar and will be measured and paid separately) A) 112 mm thick brick wall.	M ²	24.47		
38	Providing fitting, hoisting and fixing of roof trusses including purlins fabricated using M.S. circular hollow section conforming to relevant I.S. code, as per approved design and drawings including providing M.S. cleats, base plates, bolts and nuts and one coat of red oxide Zinc Chromate primer and two coats of approved enamel paints complete including fitting necessary cleats etc. for fixing ceiling joists as per design and drawing				

	as directed. (a) TATA make circular hollow section- CHS of grade YST-310 conforming to I.S. specification: 1161-1998 40mm dia	Qtl	1.08		
39	Providing corrugated galvenised iron sheet roofing of TATA SHAKTEE/SAIL including fitting and fixing necessary galvenised J or L hooks, bolts and nuts 8mm dia with bitumen washer 25mm dia x3mm thick and 1.6mm thick limpet washer complete excluding cost of roof truss, purlins etc. e) 0.63mm thick	M ²	14.00		
40	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kircide oiling to the timber faces in contact with C.C and masonry as directed and specified. (b) With 1st class timber (Hollock/ Sundi)	M ³	0.131		
41	Providing fitting and fixing 1st class local wood (Bonsum/ Hollock) battened door and window shutters including oxidized iron butt hinges (100mmx58mmx1.90mm) 6nos with necessary screws. (a) Using Bonsum/Hollock wood.	M ²	4.20		
42	65 mm thick cement concrete floor consisting of 50mm under layer of cement concrete in prop 1:3:6 and 15mm thick wearing layer in cement concrete in prop 1:1:2 (with 10 mm down aggregate) laid in panels and finished with a floating coat neat cement finish (using cement slurry for bond @ 2.75 Kg/sqm of floor area) including curing etc. complete as directed.	M ²	5.00		
43	15mm thick cement plaster in single coat on rough side of single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm in girth and finished even and smooth including curing complete as directed. (b) In proportion 1:4	M ²	56.75		
44	Supplying, fitting and fixing anodized aluminium fittings of approved make, reasonably smooth, free sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminium screws etc. (anodized to natural matt & stain finished.) a) Sliding door bolt. ii) 250x16mm Quantity :- 1 No b) Tower bolt.	Each	1		

	iii) 200x12mm Quantity = 1 No v) 100x10 mm Quantity = 2 No c) Door handle 111) 150 mm Quantity = 4 Nos	Each	1		
		Each	2		
		Each	4		
45	(n) Distempering two coats with oil bound distemper of approved brand and manufacture and of required shade on new wall surface to give an even shade, over and including a priming coat with alkali resistant primer of approved brand and manufacture after thoroughly brooming the surface free from mortar dropping and other foreign matter and also including preparing surface even and sand paper smooth. (i) priming coat with alkali resistant primer. (ii) top coat.	M ² M ²	56.75 56.75		
46	Applying priming coat over new wood based surfaces up to 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter sand papering and knotting. (a) With ready mixed paint, wood primer (pink}	M ²	10.75		
47	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/Berger paint/ ICI paint/ J&n paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping. (i) Surface over 100mm in width or girth. a)GENERAL PURPOSE (Asian paint/Berger paint/ ICI paint/ J&n paint/ Nerolac)	M ²	10.75		
(D)					
48	Earth work in excavation for foundation trenches of walls retaining walls, footings of column, steps, septic tank etc. including refilling the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified. (b) In hard/ dense soil.	M ³	12.55		
49	Providing brick soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (a) Brick on flat soling.	M ²	7.02		
50	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc as directed and specified including				

	dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately). (a) in prop 1:3:6 aggregate by volume.	M ³	1.40		
51	3.1.1.1 Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0 M and removal of the same for in-situ reinforced concrete and plain concrete work in: (ii) Using 25mm thick plank 3.1.1.2 Sides and soffits of Beams, grade Beams etc. at or below ground level. b) Using 25mm thick plank. 3.1.1.3 Column, pillars, posts & Strut. a) Square, Rectengular, polygonal in plan or any shape like Tee/L etc. having plane vertical face. (ii) Using 25mm thick plank.	M ²	5.12		
		M ²	6.60		
		M ²	6.24		
52	Supplying, fitting and fixing in position reinforcement bars conforming to relevant IS code for R.C.C. work including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20 G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (b)other I.S.I. approved TMT reinforced=ment bar (SRMB/SAI/BISCON/X TECH) (for A.T building, drain works, retaining wall & boundary wall etc.)H.Y.S.D. bar.	Qtl	2.596		
53	Providing and laying Plain/Reinforced cement concrete works cement coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete works (shuttering where necessary shall be measured and paid separately). (i0 Using kixer Machine. (A) In substructure up to plinth level. Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level. N) Without using admixture, plasticizer. b) M-20 grade concrete or prop 1:1.5;3.	M ³	5.00		
54	Structural steel works in single sections including cutting hoisting, fixing in position and applying a priming coat of red led paint (up to 4.60m height) from plinth level including drilling holes, supplying, fitting and fixing with bolts and nuts or welding if necessary as directed.				

	b) In flat up to 25mm thickness. c) In M.S angles channels, Tees etc.	Qtl Qtl	2.614 13.77		
55	Painting two coats (excluding priming coat) on new steel and other metal surface with alluminium paint or approved brand and manufacture (Asian paint/ Berger paint ? ICI paint/ J&N paint/ Nerolac) and brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. (b) Surfaces up to 100mm in width or girth. c) In M.S angles channels, Tees etc.	RM	372.00		
56	Supplying and placing plastic cylindrical vertical claused top (PCVC) tank of Sintex / Polycon ? patton make over the staging with manhole cover with locking and cleaning arrangement including providing pads of size asired for inlet and outlet pipes. (I) 2000 Lt. capacity (a) Sintex make.	Each	1		
57	2 HP single Phase jet monoblock pump set (Crompton Greaves/ Aquatic/ CRI/ V-Guard/ Calma make) 2900 rpm with DOL Starter (Crompton Greaves/ Control & Switch Gear/ BCH/ L& T / Siemens make) .	Each	1		

Note:

Bidder will have to submit in a separate statement detail Item wise materials requirement such as Cement, Rod, Sand, Stone Chips, Shuttering etc. along with their estimate. The statement should be duly signed by the bidder.

In case of failure to provide such estimate AEGCL reserves the right to cancel the bid without any prejudice.
Bidders may add up columns to show Taxes applicable if any at time of submission of bid

Name of the Bidder:-

Signature of the Bidder/Firm

Full Name

Postal Address

Phone/Mobile No.

SCHEDULE – III
GRAND SUMMARY

Schedule No	Item	Total
I	Supply (Colmn-11)	
II	Erection (Colmn-6)	
GRAND TOTAL to be carried forward to Letter of Price Bid		
Not Required		

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

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	
	i) Bank Guarantee	: 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- V-10 of 'Other terms & conditions' of Specification)	: Yes/No
5)	Date of completion of supply/Erection. (Please specify the date of completion of supply/Erection as per specification)	: Yes/No
6)	Delay in Supply/Construction (Whether agreeable to accept AEGCL's terms as specified in Clause no- 31 of 'General conditions of supply & erection of AEGCL')	: Yes/No
7)	'Security and performance guarantee' (Whether agreeable to accept as specified in Clause no- V-12 & V-13 of 'Other terms & conditions' of Specification)	: Yes/No
8)	Sales tax clearance certificate of the current year furnished	: Yes/No
9)	Whether drawing etc. as per specification are furnished	: Yes/No
10)	List of orders executed for similar works furnished	: Yes/No
11)	Performance certificate from the Govt/Govt undertaking furnished	: Yes/No
12)	Deviation from the specification	
	a) Technical	: Yes/No
	b) Commercial	: Yes/No

13)	Information in respect of technical capability is furnished	: Yes/No
14)	Information in respect of Financial capability certificate from the Banker is furnished	: Yes/No
15)	Certificate as per Cl.no. 15.1 enclosed	: Yes/No
16)	Certificate as per Cl.no. 15.2 enclosed	: Yes/No
17)	Copy of Contract Labour License, Cl. No. 15.3.2	: Yes/No
18)	PAN card as per Cl. No. 15.3.3	: Yes/No
19)	GST registration no. and valid labour license as per Cl. No. 15.3.5 enclosed.	: Yes/No
20)	Registered Power of Attorney as per Cl.no. 15.3.6 enclosed.	: Yes/No

It is certified that the rates have been quoted as per terms and conditions laid down in the tender specification and without any deviation.

Date:

Signature of Bidder with seal