



AI Engineering Services Ltd.,  
NSCBI Airport,  
Dum Dum, Kolkata- 700 052

Tender No: KOL / AI ESL / EFPM/ 089-23

Date: 17.05.2023

**SUB: Annual Contract for Maintenance and Daily Operation of Water Treatment Plant, AI Engineering Service Ltd., New Technical Area (N.T.A.), N.S.C.B.I. Airport, Dum Dum, Kolkata-700052.**

AI Engineering Service Limited (AIESL) invites sealed Tenders, under Two Bid System i.e. **Technical Bid** and **Financial Bid**, from Recognized and Registered Firm / Company having a minimum experience of 03 (Three) years in the field of **maintenance of Water Treatment Plants**, to provide the subject service at AI ESL, Kolkata. Intending service providers fulfilling eligibility criteria as detailed in the Tender Document may apply as per the prescribed Tender Document consisting of **29 pages**.

The entire Tender document is to be downloaded from our web-site [www.aiesl.in](http://www.aiesl.in) on free of charge basis.

The Tender document consists of the following:

Covering Letter for Notice Inviting Tender (NIT)		Page 1 to Page 5
General Terms and Conditions	Annexure A	Page 6 to Page 15
Scope of Work including Technical Requirements In details & Location where service has to be rendered	Annexure B	Page 16 to Page 19
Technical Bid Format	Annexure C	Page 20 to Page 22
Price Bid Format	Annexure D	Page 23 to Page 27
Format of Covering Letter for submission of bid	Annexure E	Page 28
Format of authorization letter for attending Bid opening	Annexure F	Page 29

1. **Period of Contract:** The Contract will be for a period of **03 (Three) years from the date of award of the Contract.**
2. **Guidelines for Submitting Tender Document:-**  
The Tender Document consists of Two Parts: Technical Bid and Price Bid. The duly filled-in Tender Document should be enclosed in **two separate covers / envelopes** and superscripted as detailed below:

2.1 **Cover I: TECHNICAL BID:** The duly filled, signed and stamped Technical Bid (Annexure 'C') along with related supporting documents, Covering Letter (Annexure 'E'), should be enclosed in an Envelope marked as **Cover- I** and should be sealed and super scribed **Technical Bid** -“Tender for Annual Contract for Maintenance and Daily Operation of Water Treatment Plant, AI Engineering Service Ltd., New Technical Area (N.T.A.), N.S.C.B.I. Airport, Dum Dum, Kolkata-700052”–**Tender No : KOL/AIESL/EFPM/089-23 Date :17.05.2023, Due Date of Opening : 06.06.2023**”. The Bidders must furnish all information and details sought / required in the Tender through documentary evidence and put their signature and official seal on all the pages of such documentary evidence and Annexures enclosed along with Technical Bid. The name of the Bidder, mailing address, contact details including e-mail-id should also be mentioned on Cover-I.

**Note:1.** No indication of the Prices should be made in the Technical Bid.

2. Tenders received without EMD will be outrightly rejected

2.2 **Cover II: PRICE BID:** The duly filled, signed and stamped Price Bid (Annexure D) should be kept in this Cover marked as **Cover- II** and should be sealed and super scribed **PRICE BID**“Tender for Annual Contract for Maintenance and Daily Operation of Water Treatment Plant, AI Engineering Service Ltd., New Technical Area (N.T.A.), N.S.C.B.I. Airport, Dum Dum, Kolkata-700052” –**Tender No: KOL/AIESL/EFPM/089-23 Date : 17.05.2023** The name of the Bidder, mailing address, contact details including e-mail-id should also be mentioned on Cover-II.

2.3 **Cover III: Master envelope (for Cover I and Cover II):** Both the Covers I &II should further be put in the **Master envelope**, sealed and superscribed “**Tender for Annual Contract for Maintenance and Daily Operation of Water Treatment Plant, AI Engineering Service Ltd., New Technical Area (N.T.A.), N.S.C.B.I. Airport, Dum Dum, Kolkata-700052**” **Tender No: KOL/AIESL/EFPM/089-23 Date : 17.05.2023 Due date of opening: 06.06.2023**”. The name of the Bidder, mailing address, contact details including e-mail-id should also be mentioned on The Master Envelope i.e. Cover-III. The same should be submitted to the Office of Executive (MMD), AI Engineering Services Limited, New Technical Area, Dum Dum, Kolkata – 700052.

**Bidders are required to study the Tender carefully and submit Bids accordingly.**

**Last date / time for submission of Tender: 06.06.2023 upto 14:30hrs.**

**Opening date / time of Tender (Technical bid): 06.06.2023 at 15:00hrs.**

Technical Bids prepared by the Bidder shall contain all requisite information along with self-attested supporting documents as per details specified in Technical Bid–(Annexure-‘C’).

3. Tenders will be opened in the presence of Bidders or their authorized representative, present on the due date of opening i.e. **15:00Hrs. on 06.06.2023**. The authorized representative must carry an authorization letter (as per specimen provided in Annexure-F) on the letter head of the Bidder on each occasion i.e. opening of Technical Bid and opening of Price Bid. Only the Technical Bids of the received Tenders will be opened on that day and the related Price Bids will be sealed, in presence of those Bidders present, and kept in AIESL safe custody. **The Price Bid of only those Bidders who are found technically eligible in evaluation of the “Technical Bid” will be opened.** The Time, Date and Venue of opening of **PRICE BID(S)** will be intimated later to the Bidders who have been found technically eligible in the evaluation of “Technical Bid”. No correspondence in this regard will be entertained. The Price Bids of the technically disqualified bidders will be returned to them after finalization of the Contract.

4. **Tender is liable to be rejected, if:-**

- 4.1 All Columns provided in the Tender Document are not filled with relevant details and / or column(s) are left blank.**
  - 4.2 The submitted tender is incomplete.**
  - 4.3 Both Technical Bid and Price Bid are found in the same envelope and the price bid is in open condition.**
  - 4.4 Bid is received after due date.**
  - 4.5 Only Price Bid is received without the Technical Bid and vice-versa.**
  - 4.6 Bid is received by fax or e-mail.**
  - 4.7 Bid is received without signature and official seal.**
  - 4.8 Price Bid not received as per the format provided.**
  - 4.9 The Bid is conditional in nature.**
5. Tender should be submitted duly filled in the prescribed form, signed and stamped.
  6. Proprietorship Firm / Partnership Firm / Company under same management cannot submit more than one tender. **Violation of this condition will result in rejection of the tender.**
  7. Bidders are advised to study the tender document carefully. Submission of tender shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications.
  8. The rates quoted should be firm for the period of Contract as stipulated in the tender.
  9. While quoting/filling up the Price Bids, the Bidder should take into consideration the following factors:
    - 9.1 The rate and amount quoted by the bidder shall be given in figures as well as in words. The language for filling Tender Documents shall be English. The amount for each item (wherever required) shall be marked out with the requisite total.
    - 9.2 When there is a difference between the rates in figures and in words, the rates given in words shall be taken as correct.
    - 9.3 When the rate quoted by the Bidder in figures and in words tallies but the amount is not worked out correctly, rate quoted by the Bidder shall be taken as correct and not the amount.
    - 9.4 All rates shall be quoted in the tender format only. In case of figures the word Rupees (Rs) shall be written as prefix and word Paise (p) should be written in suffix, e.g.Rs.2.15p
  10. It will be imperative for each Bidder to fully acquaint himself with the local conditions and factors, which may have an effect on the execution of the Contract and/or the cost before submission of the tender.
  11. Tenders received after due date and time will not be entertained / considered. Bidders submitting the Tender through post or courier will do so at their own risk and if the sealed Tender

Documents are misplaced or received after the due date and time, AI ESL will not be responsible for the same and no correspondence in this regard will be entertained whatsoever.

12. If deemed necessary, AI ESL may seek clarifications on any aspect related to the Tender from the Bidder. AI ESL reserves the right, at its sole discretion to seek whatever information, documents etc. from the Bidder as it may consider necessary for the purpose of evaluation of the Technical Bids. During the process of the evaluation of Technical Bids, no queries shall be entertained from the bidders with regard to the status of the evaluation.
13. AI ESL reserves the right to accept or reject any/or all Bids, annul the Tender process and reject all Bids at any time, prior to the award of Contract, without incurring any liability or without any obligation to inform the Bidder(s) of the grounds for its action.
14. In case, if it is found at any stage, that, the information provided by the bidder is/are not true, the Tender / Order / Agreement shall be cancelled and appropriate damages shall be claimed from the concerned Bidder's Security Deposit.
15. The closing date for submission of bids may be extended at any time including after the schedule date of closing at the sole discretion of AI ESL.
16. In case Lowest Bidder, i.e. LQ1 vendor backs out either before issue of Contract / Letter of Intent (LOI) or subsequent to its issue the LQ1 vendor will be debarred from participating in AIESL tenders for a minimum period of 03 (Three) years. In addition, its Security Deposit would also be forfeited.
17. Amendments and clarifications, if any, to this Tender will be hosted on the website: [www.aiesl.in](http://www.aiesl.in) and AI ESL will not issue any "Press Advertisement" or intimate the Bidder individually of the same. The Bidder is, therefore, advised to visit AI ESL website regularly till the last date of submission of Tender. **The last amendment, if any, will be hosted a minimum of 07 (Seven) days before the last date of submission of Tender. In case there is change in Requirements / Terms and Conditions / Work Scope after release of the Tender but before its due date, the Bidder who have already submitted their response shall have an option to resubmit their bids if they choose to do so.**
18. As it is not the general norm for AI ESL to carry out price negotiation following evaluation of the Price Bids, the intending Bidders are advised to submit their best quote(s) in response to the Tender. AI ESL, however reserves the right to carry out negotiations in exceptional cases with the Bidder who has been evaluated by AI ESL as having offered the lowest bid in response to the Tender.
19. **Fraudulent practices:** AI ESL requires that the bidder should observe the highest standard of ethics during the bidding process and during execution of contracts. In pursuance of this AI ESL:
  - 19.1 defines, for the purposes of this provision, the terms set forth below as follows:
    - i. **"Corrupt practice"** means the offering, giving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution;
    - ii. **"Fraudulent practice"** means a misrepresentation of facts / forging in order to influence a procurement process or the execution of a contract to the detriment of AI ESL and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive AI ESL of the benefits of free and open competition.
  - 19.2 Shall reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

- 19.3 Shall declare a bidder ineligible and put on holiday, either indefinitely or for a stated period of time, if at any time it is determined that the bidder has engaged in corrupt or fraudulent practices in competing for or in executing a contract.
- 19.4 Shall rescind the contract with immediate effect, in case of successful bidder adopting fraudulent/ corrupt practices during the currency of the contract.
- 19.5 Security Deposit, as the case be, shall be forfeited in addition to putting such bidders on holiday.**

**20. Errant Bidder:**

In case after price bid opening the overall lowest bidder (LQ1) is not awarded the job for any mistake committed by them in bidding or withdrawal of bid or varying any term in regard thereof, leading to re-tendering, **AI ESL shall forfeit Security Deposit paid by the bidder and such bidder shall be debarred from participation in re-tendering of the same job(s) at all locations of AI ESL.**

**21. The tender should be valid for 90 days from the date of opening of Technical Bid.**

**22.** All intending Bidders are advised to visit the Water Treatment Plants of AI ESL at NTA, Dum Dum before submission of bid. For any technical clarification pertaining to the above tender, the intending Bidder can contact Mr. B.J. Rai, AGM, EF&PM (Ph. No. 033-2569 5204, E-mail: efd.ccu@aiesl.in, efd.ccu@gmail.com).

**GM (Engineering)**

**AI Engineering Services, Kolkata**

Sub: **Tender for Annual Contract for Maintenance and Daily Operation of Water Treatment Plant, AI Engineering Service Ltd., New Technical Area (N.T.A.), N.S.C.B.I. Airport, Dum Dum, Kolkata-700052.**

### **General Terms and Conditions:**

1. The **“Bidder” / “Contractor”/ “Service Provider”** and/or **“Party”**, as used in the Tender document, shall mean the one who has signed the tender form and submitted the quotation in response to AIESL’s tender notice.
2. The **“Successful Bidder”** as used in the Tender Document shall mean the one who has been declared as: a) Lowest Bidder, b) Whose tender is under consideration for award of Letter of Intent (LOI), c) Received Letter of Intent and d) Awarded Contract for commencement / execution of services.
3. It is further clarified that any individual signing the tender or other documents in connection with the tender must certify whether he signs as:
  - a. A **"Sole Proprietor"** of the firm or constituted attorney of such sole proprietor.
  - b. A partner of the firm if it is a partnership & must have authority to refer to arbitration, disputes concerning the business of the partnership either by virtue of the partnership agreement or a power of attorney. In the alternative, the tender should be signed by all the Partners.
  - c. Constituted attorney of the firm, if it is a Company.
  - d. Authorized signatory of the firm.
4. **Period of contract:** 3 (Three) years from the date of award of the contract. The contract will cover one overhauling of the plant at the beginning of contract and subsequent operation and maintenance of the plant for 3 years.
5. **Scope of Work as detailed in Annexure-‘B’ :**
  - Part – 1: **Thorough overhauling of I.R.F.**
  - Part – 2: **Thorough overhauling of the water softening plants.**
  - Part – 3: **Servicing of Chlorine Metering Pump, Cleaning of Chlorine Storage Tank and Overhauling of Activated Carbon Filter**
  - Part – 4: **One Time Repairing Job**
  - Part – 5: **Supply of items as and when required during overhauling as detailed in Part-1, Part-2, Part-3 and Part-4**
  - Part – 6: **Daily operation and routine maintenance of the Water Treatment Plant Including Water Sample Testing**

**The timing for operator deployment is given in Annexure - B**
6. **Acceptance and Execution of Contract:**
  - a. The Successful Bidder has to convey acceptance of LOI/Contract within 05(Five) days from the date of issuance of the same.
  - b. The successful Bidder has to execute the contract within 15 (Fifteen) days from the date of issuance of LOI/ Contract by commencing the services.
  - c. In case the successful Bidder is unable to commence the complete services as per work scope as detailed in Annexure-B within 15 (Fifteen) days from the date of issuance of LOI / Contract, AI ESL, shall be intimated the reasons for the same.
  - d. In case the reasons for delay of commencement of the services are not convincing, AI ESL shall have a right to cancel the LOI / Contract and shall be free to make alternate arrangements and the successful Bidder will be debarred from participation in any tender of AIESL for a

minimum period of 03(Three) years. In addition, its Security Deposit would also be forfeited.

**7. Eligibility criteria for undertaking the job:**

- a. The Bidder must be a firm/company engaged in the field of operation and maintenance of water treatment plants and having a minimum **Annual Turnover of Rs. 7,00,000.00** in each of the last three financial years i.e. **2019-2020, 2020-2021 & 2021-2022- as the case may be**. Copy of audited Balance sheet and Profit & Loss A/c duly certified by Chartered Accountant, duly signed & stamped / sealed by the Proprietor / Director / authorized signatory must be submitted as proof of Turnover along with the Technical Bid. Alternatively, a Certificate from Chartered Accountant certifying Annual Turnover of the bidder during the last three financial years, i.e. **2019-2020, 2020-2021 & 2021-2022- as the case may be** can also be submitted along with the Technical Bid.
- b. The Bidder must have an **experience of 03 years** in the field of operation and maintenance of water treatment plants and holding similar contract of Government /Corporate organizations during **last 3(three) years immediately preceding the date of the Tender** and should provide documentary proof / reference along with the Technical Bid.
- c. Bidder must be Income Tax Payee and should furnish copy of PAN along with the Technical Bid.
- d. Bidder must have Goods and Service Tax (GST) Registration and should furnish copy of the same along with the Technical Bid.
- e. The bidder must submit copies of IT Returns for last 03 (Three) financial years along with the Technical Bid.
- f. Bidder must be registered with Corporation / Municipality / Panchayat.

**8. Undertakings:**

- a. **The Bidder must give an undertaking along with the Technical Bid that in case LOI / Contract is awarded by AI ESL, the bidder shall be solely responsible to adhere to and comply with the provisions of all statutory compliances / regulations wherever applicable for offering the subject service to AI ESL & its sister concerns and / or applicable to his employees, whether directly engaged or otherwise and shall keep AI ESL & its sister concerns and any other agency carrying out works on behalf of AI ESL & its sister concerns indemnified and harmless against any and all costs, consequences, litigations, damages, penalties, risks and proceedings that may arise on account of any violation of or non-compliance with any provision of any of the statutory compliances / regulations by the bidder, his agents, servants or any other persons acting or claiming to act on his behalf. AI ESL or its sister concerns shall not be responsible for any such statutory compliances / regulations which the bidder has to comply. In case the bidder fails to comply with any statutory / taxation liability under appropriate law as applicable to them, their personnel deployed for AI ESL / AIESL sister concern job and / or the services rendered and as a result thereof AI ESL / AIESL sister concern is put to any loss / obligation monetary or otherwise, AI ESL or its sister concerns shall be entitled to get itself reimbursed out of the outstanding bills or the Security Deposit of the bidder to the extent of the loss or obligation in monetary terms. In case the amount available through outstanding bills and / or the Security Deposit is not sufficient for such reimbursement, the successful bidder has to pay the deficient amount to AI ESL on demand.**
- b. The Bidder must give an undertaking that the complete work of operation and maintenance of water treatment plants is as per the Work Scope and at the locations detailed under Annexure-B.
- c. **The Bidder must give an undertaking that, he / they do not have any relation who is an Employee of AI ESL or its sister concerns and is likely to benefit them during the Award implementation of the LOI / Contract. He / they also indemnify that any subsequent detection of direct or indirect beneficiary of any application / award of any contract to any employee of the organization may result in disqualification/ termination as the case may be. AI ESL or its sister concerns will have the sole discretion to do so and such cases cannot be referred for arbitration.**
- d. The Bidder must give an undertaking that they shall keep AI ESL& its sister concerns harmless

and indemnified against any cost, consequences, litigations, penalties or proceedings arising out of any violation of any law whether State or Central that may for the time being be in force, or of any law, rule or regulation of any local or municipal authority, as well as against acts of negligence, theft, fraud, dishonestly or any other act of omission or commission whether intentional or otherwise, committed by the successful bidder, his agents, servants or any other persons acting or claiming to act on his behalf.

- e. The Bidder must give an undertaking that they shall, at their own risk and cost, ensure that the personnel deployed by them for the job under this contract are insured against all attendant risks that may be associated with the job. AI ESL & its sister concerns shall not be responsible in any manner for any injury to their personnel engaged in the AI ESL / AIESL sister concern premises or for the loss or damage of any material belonging to them placed within the AI ESL premises.
- f. The Bidder must give an undertaking that the requisite work as per enclosed Work Scope detailed under Annexure - 'B' would be completed to the satisfaction of AI ESL at the locations detailed under Annexure - B.
- g. The Bidder must give an undertaking that on the spot surprise checks could be conducted by AI ESL / Third party authorized by AI ESL, anytime and any shortcomings observed are to be addressed by the successful bidder. The shortcomings observed will also attract penal measures at the sole discretion of AIESL.
- h. The Bidder must give an undertaking that their firm/company is not registered in the name of AI ESL or its sister concerns' employee / in the name of such partner or his / her family member as owner / proprietor.
- i. The bidder must confirm that they will deploy adequate number of skilled/ semi-skilled persons technically capable and experienced in operating similar Water Treatment plants keeping in view the detailed work scope provided in Annexure-"B".

**Note:**

Self-attested copy of documentary proof as required above must be furnished along with Technical bid Part-I and in case the required information and documents with the Technical bid are not furnished, the tender is liable to be rejected.

9. The technical suitability of Bidder and award of work would be subject to compliance of the eligibility criteria & undertakings as specified in Clause 7 & Clause 8 above and the LOI / Contract would be withdrawn, if these requirements are not fulfilled.
10. Bidder shall give the official mailing Address, Telephone No. and Fax Numbers, E-mail to which all correspondences shall be sent by AI ESL. If address is changed, the same shall be intimated / notified to AI ESL immediately in writing/ by email.
11. Wherever deemed necessary, AI ESL may seek clarifications on any aspect from the Bidder.
12. Any notice by one Party to the other pursuant to the Contract, shall be sent in writing to the address specified for that purpose in the Contract.

**13. Rates:**

**i) Rates are to be quoted directly on AIESL's format of Price Bid enclosed as Annexure-'D', considering Scope of work mentioned under Annexure-B.**

- a) Part-1 & Part-2 : -The rates for overhauling should be inclusive of labour cost\*, cost of all 100% replacement spares and, consumables (other than those spares listed under Part- 5) and all other related incidental expenses\*\*.
- b) Part-3 :-The rates for repairing/servicing should be inclusive of labour cost\*, cost of all 100% replacement items , other spares and consumables (other than those spares listed under Part-



5) and all other related incidental expenses\*\*. and should be exclusive of cost of supply of residual chlorine test kit as detailed in Part-3;

- c) Part-4 :-The rates for supply and installation of PVC water tank (brine pot) and Brine Tank of capacity 12 gallon one-time job mentioned in Part 4 should be inclusive of labour cost\*, cost of all 100% replacement spares/fittings and, consumables (other than those spares listed under Part- 5)as well as charges for change of venturi if required and all other related incidental expenses\*\*.However, rates for pipe and valves, if required to be changed, will also be as per the rate quoted in Part-5.
- d) Part-5:-The spares listed in Part-5 will be utilized on as and when required basis for work detailed under Part-1, Part-2, Part-3 and Part-4 after prior approval from EF&PM division. The rate quoted for such spares should be inclusive of the related installation charges and exclusive of Applicable GST.
- e) Part-6:- The rate so mentioned should include the labour cost\* for daily operation and routine maintenance and the cost of Water Sample Testing. However cost of cleaning and softening agent like salt and chlorine will be paid separately as per actual consumption against submission of material challans duly approved and authorised by EF&PM division of AIESL.
- f) **Important Note:** Supply of all other materials except those mentioned in Part-5 of Annexure D for completion of the jobs will be in the scope of vendor at no extra cost to AIESL if the same is not the replacement of major items (e.g. vessels, pumps, compressors etc.).

\*Labour cost will include: Monthly Minimum Wage, Related PF, ESI, Bonus, all costs related to deployment of manpower & all costs pertaining to substitution on account of absenteeism of manpower.

\*\*All other Incidental Charges will include: All applicable statutory Govt. Taxes, Levies, Cess, as on the last date of submission of Tender (except applicable GST) charges on account of tools, tackles, facilities, related transportation charges and any other relevant charge connected with such service not mentioned.

- ii) Any imposition of any new statutory Govt. Tax and Levy during subsistence of the contract, pertaining to rendering of such service will be charged to AI ESL account. The successful bidder will have to provide proof of such applicability and payment receipt to AI ESL for incorporating necessary amendment in the contract and subsequent re-imburement.

#### 14. Earnest Money Deposit (EMD):

- a) Earnest Money Deposit (EMD) of Rs.23,000/- (Rupees Twenty Three Thousand Only), by way of Bank Draft/Banker's Cheque from a Scheduled Bank drawn in favour of 'AI Engineering Services Limited" payable at Delhi, should be submitted along with the Technical Bid of this Tender. No other mode of payment is acceptable.
- b) Tender will be outrightly rejected if it is not covered by appropriate deposit of EMD. Receipt of EMD/ Security Deposit of earlier/other tenders/contracts will not be accepted as EMD deposit against this Tender.
- c) SSI units registered with the NSIC under its Single Point Registration Scheme /Handicraft Boards, Khadi Village and Cottage Industries/Social Welfare Organisations / Handicapped and Blind Associations/ Units registered with the Central Purchase Organisations (e.g. DGS&D) will be exempted from submission of EMD.
- d) EMD will not carry any interest.
- e) EMD amount, in respect of successful bidder, will be converted into Security Deposit. In case the successful bidder withdraws or amends its tender, impairs or derogates from the tender in any respect or declines to accept or honour the Contract if awarded in their favour, the EMD as deposited by the bidder will be forfeited. If the successful bidder fails to furnish Security Deposit / Bank Guarantee within the specified period its EMD will be forfeited.

- f) If, for any reasons, the Bidder withdraws from the Tender process, at any stage, after opening the Technical Bid, their EMD will be forfeited.
- g) EMD in the case of unsuccessful bidder will be refunded free of interest after finalization of the contract.

**15. Security Deposit(SD):**

- a. The successful Bidder will have to deposit 5% of the total contract value as Security Deposit with AI ESL by means of Demand Draft/Bankers Cheque from a Scheduled Bank of India drawn in favour of 'AI Engineering Services Limited" **payable at Delhi**, within 2 (Two) weeks of issue of LOI for the satisfactory performance of the Contract. Alternatively, Bank Guarantee (BG) from a Scheduled Bank, in lieu of the said amount, will be accepted as Security Deposit The validity of the SD / BG will be till 30 days of scheduled completion of all obligations under the contract.
- b. In case SD is not submitted within the schedule period mentioned above, the SD amount shall be deducted directly from the initial invoices / bills raised by the successful bidder by Finance Department, AIESL, without any further reference to the successful bidder. Any payment pertaining to the contract shall only be admissible after the entire SD amount has been deducted in totality.
- c. Security Deposit will not carry any interest.
- d. Security Deposit will be refunded only after successful completion of all the contractual obligations by the successful Bidder, subject, however, to deduction of penalties, if any, that may be leviable under the terms of the contract.
- e. Security Deposit will be forfeited in the event of the contract offered in full or in part not being fulfilled by the successful bidder.
- f. The cost of submission of SD or execution of BG would be borne by the successful bidder.

**16. Recovery of Sum Due:**

- a) Whenever, under this Contract, if any sum of money is recoverable from the successful bidder, AI ESL shall be entitled to recover such amount by appropriating, in part or full, from the said **Security Deposit**, already deposited by the successful bidder
  - b) In the event of the said Security Deposit being insufficient, the balance of total amount recoverable, as the case may be, shall be deducted from any sum due to the successful bidder under this or any other Contract with AI ESL. Should this amount be insufficient to cover the said full amount recoverable, the successful bidder shall pay to AI ESL, on demand, the balance amount, if any, due within 30 days of the demand by AI ESL.
  - c) If any amount due to AI ESL is recovered by appropriating from the said Security Deposit, the successful bidder shall have to make good the same amount, so recovered, to bring the Security Deposit to the original value immediately within 10 days.
17. Selection of the party for awarding the contract will be at the sole discretion of AI ESL, and such selection will be final and binding. AI ESL authorities reserve the right to inspect the premises / infrastructure of the bidder, and to verify the documents submitted along with the bid in original and in case of any deficiency found either during the inspection or during the verification of the documents, the bid of the concerned party is liable to be rejected.
18. The successful bidder and / or his supervisor shall take instructions with regard to day-to-day work from the responsible officer of EF&PM, AIESL.
19. Any personnel deployed in the night or after the close of office hours or on Sundays / Holidays will report to the Security section at NTA before commencing the job and will keep the Security section of AI ESL informed of their where about and exact location in the AI ESL premises.
20. The successful Bidder will provide one mobile telephone with connection to the personnel deployed under the contract. The cost of the mobile phone(s) along with connection will be borne by the successful Bidder only.

**21. All tools & tackles required for carrying out day-to-day jobs are to be arranged by the successful Bidder at his cost and no assistance shall be sought from AI ESL in this regard.**

**22. Compliance of Security Regulations:**

- a. The successful bidder shall also obtain entry permit(s) for his personnel to enter AI ESL / AIESL sister concerns' premises i.e. non restricted area and ensure that his personnel display their entry permits / Photo Identity Cards at all times while deployed in the AI ESL premises and/or the Operational areas.
  - b. Any violation of security regulations and indulging in illegal activities by their personnel will be at the cost/ risk of successful bidder.
  - c. The successful bidder should ensure verification of character and antecedents of their personnel by Police before deployment, since AI ESL is "protected industry" and Airport is "protected area".
  - d. The successful Bidder will have to submit to Security In-charge, AI ESL, ER, NTA, Dum Dum a letter of authority mentioning the Name, Staff No., Designation, Contact No., together with two passport size photographs of their service personnel who will carry out operation and maintenance service for records. Any change shall be informed to Security In-charge, AI ESL, ER, NTA, Dum Dum in writing within a week.
  - e. The personnel so deployed must be in possession of photo identity cards provided by the successful bidder under their signatures, company's name and seal apart from AEP issued by BCAS / AAI for Airport entry (if required) to be shown if and when demanded by AI Engineering Services Ltd. officials/ Security Officials on duty.
  - f. The successful bidder shall have a system to issue / retrieve AEP to their employees while they report / leave the AI ESL / Airport premises, so as to ensure that their employees do not misuse the PIC /AEP.
  - g. The successful bidder shall have a system to surrender the expired / lapsed / terminated employees PIC / AEP to the issuing authority.
23. The successful bidder shall ensure that his personnel do not cause hindrance to the activities of AI ESL and that they are properly turn out and conduct themselves with decorum while interacting with AI ESL Employees or other personnel inside the AI ESL premises.
24. The successful bidder shall not deploy such personnel whose previous work was not found satisfactory in the opinion of the responsible Officer of EF&PM, AIESL.

**25. Compliance of Statutory Provisions:-**

- a. The Successful Bidder shall be solely responsible to adhere to and comply with the provisions of all mandatory and statutory compliances / regulations wherever applicable for offering the subject service to AI ESL / AI ESL sister concerns and / or applicable to successful bidder's employees, whether directly engaged or otherwise and shall keep AI ESL / AI ESL sister concerns and any other agency carrying out works on behalf of AI ESL indemnified and harmless against any and all costs, consequences, litigations, damages, penalties, risks and proceedings that may arise on account of any violation of or non-compliance with any provision of any of the mandatory and / or statutory compliances / regulations by the bidder, his agents, servants or any other persons acting or claiming to act on his behalf. AI ESL/AIESL sister concerns shall not be responsible for any such mandatory and statutory compliances /regulations which the bidder has to comply. **In case the successful bidder fails to comply with any statutory / taxation liability under appropriate law as applicable to them, their personnel deployed for AI ESL job and / or the services rendered and / or as a result thereof AI ESL / AI ESL sister concerns is put to any loss / obligation, monetary or otherwise, AI ESL / AI ESL sister concerns shall be entitled to get itself reimbursed out of the outstanding bills or the Security Deposit of the successful bidder to the extent of the loss or obligation in monetary terms. In case the amount available through outstanding bills and / or the Security Deposit is not sufficient for such reimbursement,**

**the successful bidder has to pay the deficient amount to AI ESL on demand.** AIESL reserves the right to scrutiny records of payment of PF / ESI by the contractor.

- b. AI ESL shall not be responsible for payment of wages and / or any other emoluments including provident fund or E.S.I. to the personnel / workers of the successful bidder so deployed and it shall be the sole responsibility of the successful bidder to make payment to the said personnel / workers and the successful bidder shall at all-time keep AI Engineering Services Ltd. indemnified against any claim from its personnel/workers in this regard.
26. The successful bidder shall also keep AI ESL & AI ESL sister concerns harmless and indemnified against any cost, consequences, litigations, penalties or proceedings arising out of any violation of any law whether State or Central that may for the time being be in force, or of any law, rule or regulation of any local or municipal authority, as well as against acts of negligence, theft, fraud, dishonesty or any other act of omission or commission whether intentional or otherwise, committed by the successful bidder, his agents, servants or any other persons acting or claiming to act on his behalf.
27. The successful bidder shall, at their own risk and cost, ensure that the personnel deployed by them for the job under this contract are insured against all attendant risks that may be associated with the job. The successful Bidder must ensure all safety and precautionary measures while carrying out the maintenance job by their personnel. AI ESL / AI ESL sister concerns shall not be responsible in any manner for any injury to their personnel engaged in the AI ESL premises or for the loss or damage of any material belonging to them placed within the AI ESL premises. Necessary insurance cover against any untoward incident / accident for all the personnel deployed by the contractor at AI ESL premises is to be arranged by the contractor.
28. The contract would be between AI ESL and the successful bidder and not with any individual. No part of the contract nor any share or interest therein shall in any manner or degree be transferred / assigned or sublet by the service provider directly or indirectly to any person, firm or company whatsoever.
29. The successful bidder shall be solely responsible for the acts and deeds of their personnel deployed by them for the job. AI ESL will, in no way, be responsible for violation of any rules / regulations / instructions of the concerned agencies and/or for any loss or damage caused by his personnel to AI ESL and / or third party and any such loss or damage shall have to be compensated / borne by the successful bidder.
30. Successful Bidder must deploy their own Supervisor to monitor the work allotted to them on day-to-day basis. Supervision of personnel provided by the successful bidder shall be their responsibility. The successful bidder shall ensure the quality of the job performed by their personnel and in case of any complaint, the bidder shall have to replace the concerned personnel. AI ESL shall have right to refuse entry of any such personnel.
31. As far as possible, the successful bidder will engage same manpower for the job defined in the work-scope so that there is continuity of work and the job quality does not suffer.
32. The personnel deployed by the successful bidder shall under no circumstances be deemed to be in the employment of AI ESL/AIESL sister concerns. There would be no obligation whatsoever on the part of AI ESL/AIESL sister concerns to absorb any of the personnel deployed on contract by the successful bidder. The service provider/ successful Bidder shall be solely responsible for the personnel employed by him under the Agreement (if awarded). The service provider/successful Bidder shall also be responsible for any theft, dishonesty or disobedience and for any offence whether criminal or social that may be committed by his employees, agents, and those acting or claiming to act on his behalf.
33. The successful Bidder shall indemnify AI ESL / AI ESL sister concerns for any loss or

damage to their property, equipment or personnel directly or indirectly arising out of or resulting from the negligence of the personnel deployed by the service provider. Any loss or damages caused to the AI ESL / AI ESL sister concerns property, equipment and personnel due to their operation / maintenance job will be recovered from the pending bills / security deposit of the successful Bidder.

**34. Terms of Payment:**

- (a) The successful bidder shall, by the seventh day of the following month, furnish his monthly GST compliant invoice (yearly rate quoted / agreed to be equally divided into 12 parts for the purpose) to the office of Engineering Facilities & Plant Maintenance (EF&PM), AIESL, for verification/certification. The successful bidder shall also submit along with the bills the requisite proof of deduction and deposit of PF, ESIC, disbursement of wages pertaining to the month for which the bills are raised. EF&PM division shall forward the documentary evidence of compliance of Labour Law(s) to the Office of Executive, HR, AIESL, NTA for verification and confirmation of such compliance. After such confirmation the bills shall be forwarded to the Office of General Manager (Engineering), ER and then to Executive, Finance, AIESL, NTA for payment action. **PAN, GST Registration Number of AI ESL & Service Provider and HSN / SAC Code should be mentioned in each bill raised and the bill should clearly indicate the basic rate and the applicable taxes e.g. GST etc. separately.**
- (b) Payment will be made **within 60 days** from the date of submission of bills, duly certified by the competent authorities of AIESL, NTA Dum Dum or his authorized representative, provided bills with supporting documents are complete in all respects.
- (c) No Advance Payment is admissible. Necessary deductions towards Applicable Taxes shall be made at source at the time of settlement of the bills as per prevalent laws / rules.

**35. Suspension / Banning of Business:**

The service provider shall be suspended / banned from participating in AI ESL tenders as per laid down AI ESL Corporate policy /guide lines depending on merits of each case for the following occurrences: -

- a. The bidder / successful bidder adopts fraudulent practices.
- b. The successful bidder becomes an errant bidder.
- c. The successful bidder withdraws after award of the contract / LOI.
- d. The successful bidder fails to commence service within 15 days from the date of issuance of LOI / Contract and the reason(s) for such delay are not convincing.
- e. The successful bidder fails to perform the contractual obligations during the currency of the contract in spite of being given a notice period of 30 days to rectify any breach and improve their performance.
- f. The successful bidder brings in additional conditions after submission of their bid.

**36. Liquidated Damages not amounting to Penalty:**

AI ESL shall promptly notify the successful Bidder of any claims / deficiency on the part of the successful bidder arising under/ out of the Contract.

- a) In case the successful bidder having been notified, fails to take remedial action within 3 days, AI ESL may take remedial action without any further notice, at the successful bidder's risk & cost and proceed for termination of the contract in accordance with the clauses as detailed under "**Validity of Agreement**" without prejudice to any other rights which AI ESL may have on the successful bidder under the service contract.
- b) Quality of work and punctuality of executing the same are the essence of the contract. In case of non-performance of any work required to be carried out or any portion thereof, or if the quality of work performed is found to be substandard, on inspection, the successful bidder shall ensure that the same is carried out / rectified forthwith upon the same being pointed out to them. In case the work or any portion thereof is not carried out, or the defective work is not

rectified, even after the same is pointed out to the successful bidder, a damage not amounting to penalty of Rs.300/- per occasion shall be recovered from the successful Bidder and the successful Bidder shall be liable to pay the same forthwith to AI ESL. In addition, AI ESL may have such work carried out/rectified by making alternate arrangements including from its own resources, and the successful Bidder shall be liable to pay to AI ESL the actual cost of carrying out / rectifying such works.

- c) Non deployment of adequate operators for covering entire work-scope will attract a damage not amounting to penalty of Rs.2,000/- per occasion and the same shall be recovered from the successful Bidder and the successful Bidder shall be liable to pay the same forth with to AI ESL. In addition, AI ESL may get the resultant work on account of such short fall carried out / rectified by making alternate arrangements including from its own resources, and the successful Bidder shall be liable to pay to AI ESL the actual cost of carrying out / rectifying such works.
- d) AI ESL reserves the right to add / supplement any further conditions deemed necessary / mandatory during the contractual period with the agreement of the successful bidder.

### **37. Validity of Agreement:**

- a. The validity of the agreement comes to an end IPSO FACTO by efflux of time unless otherwise renewed / terminated.
- b. In case after price bid opening the overall lowest bidder (LQ1) is not awarded the job for any mistake committed by them in bidding or withdrawal of bid or varying any term in regard thereof, leading to re-tendering, such bidder shall be debarred from participation in tendering at all locations of AI ESL for a period of 03 (Three) years with the forfeiture of EMD.
- c. In case the bidder who has been evaluated by AI ESL as having offered the lowest bid in response to the Tender (LQ1) backs out either before issue of Letter of Intent / Contract or subsequent to its issue the LQ1 bidder will be suspended / banned from business as per laid down AIESL corporate policy / guidelines on case merit. In addition, its Security Deposit / EMD (as applicable) would be forfeited.
- d. In the event of the successful bidder failing to comply with any of the terms and conditions of the agreement, AI ESL shall serve a notice of 30 days to the successful bidder to rectify the breach and improve the performance; failing which AI ESL shall be at liberty to terminate the agreement by providing 30 days written notice to the successful bidder and the successful bidder will suspended / banned from business as per laid down AIESL corporate policy / guidelines on case merit. In addition, its Security Deposit would be forfeited.
- e. In case the successful bidder fails to commence the service within the stipulated period i.e. within 15 days from the date of acceptance of LOI / Contract and the reasons for such delay are not convincing, AI ESL shall have a right to terminate the LOI / Contract and make alternate arrangements. Additionally, the successful bidder will be suspended / banned from business as per laid down AIESL corporate policy / guidelines on case merit along with forfeiture of Security Deposit.
- f. AI ESL may at any time terminate the Contract with immediate effect by giving written notice to the Successful bidder, if the Successful bidder becomes bankrupt or otherwise insolvent, provided such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to AI ESL.
- g. AI ESL may at any time terminate the Contract with immediate effect by giving written notice to the Successful bidder, apart from levying any other penalty / forfeiting Security Deposit, if the successful bidder adopts any fraudulent practice at any time during the currency of the contract as outlined in. In addition, the successful bidder will be suspended / banned from business as per laid down AI ESL corporate policy / guidelines on case merit.
- h. In case the successful bidder serves the termination notice before exhaustion of 40% of the contract value, they will be suspended / banned from business from participating in the immediate next tender for that particular service.
- i. Either side shall terminate the contract by giving three months' notice in writing. In such an

event the terminated party shall have no right to claim any compensation / damage etc. from the terminating party on account of early termination. However, the parties should duly comply with their respective obligations during the notice period and thereafter discharge the obligations arising out of the agreement till the termination.

- j. In case the successful bidder discontinues operation / providing service without giving any prior notice, AI ESL reserves the right to get their service from other agency and the difference in cost that may be incurred over and above the Contractual rate of the Successful bidder shall be realized and/or recovered from the Successful bidder apart from levying any other penalty / forfeiting Security Deposit.

38. **Arbitration Clause** - Any dispute or difference whatsoever arising between the parties out of or relating to construction, interpretation application, meaning, scope operation or effect of this contract or the validity or the breach thereof, shall be settled by arbitration in accordance with the rules of arbitration of the SCOPE Forum of conciliation and arbitration and the award made in pursuance thereof shall be binding on the parties.

39. **Jurisdiction** - Any dispute arising out of this tender whatsoever would be subject to the jurisdiction of Kolkata Courts only.

40. **Force Majeure:**

Force Majeure (FM) as used in this contract means extraordinary events or circumstance beyond human control such as an event described as an Act of God, War, Revolt, Riot, Fire Tempest, flood, earthquake, lightning, direct or indirect Consequences of war (declared/undeclared), sabotage, hostilities, National Emergency, Civil Disturbances, Natural calamities, Pandemic / Epidemic, Commotion, Embargo (Blockage) or any law or Promulgation, ordinance or Executive order whether Central or State or Local or Municipal Authorities, Regulation or Breakage / Leakage, Bursting or Freezing of Pipeline (but not including negligence or wrong-doing, predictable/seasonal rain and any other events specifically excluded in the clause). An FM clause in the contract frees both parties from contractual liability or obligation when prevented by such events from fulfilling their obligations under the contract. The FM clause shall not excuse a party's non-performance entirely, but shall only suspend it for the duration of the FM. The service provider has to give notice of FM as soon as it occurs and it cannot be claimed ex-post facto. There may be a FM situation affecting AIESL only. In such a situation AIESL shall communicate with the service provider along similar lines as above for further necessary action.

If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of FM for a period exceeding 90 (Ninety) days, either party may at its option terminate the contract without any financial repercussion on either side. Notwithstanding the punitive provisions contained in the contract for delay or breach of contract, the service provider would not be liable for imposition of any such penalty so long as the delay and/or failure of the service provider in fulfilling its obligations under the contract is the result of an event covered in the FM clause.

**GM (Engineering)**

**AI Engineering Services, Kolkata**

## Scope of Work

**Location: New Technical Area, AIESL, NSCBI Airport, Dum Dum**

### Part-1

**Thorough overhauling of Iron Removal Filter (I.R.F.) as per the following scope of work:**

- i) Opening of the I.R.F.
- ii) Removal of the existing filter media
- iii) Scrapping and cleaning the inside surface of the shell and painting with two coats of anti-corrosive black bitumen paints suitable for drinking water tank.
- iv) Scrapping and cleaning of the outside surface of the filter shell and painting with two coats of epoxy paints.
- v) Repairing and servicing of connected valves with change of diaphragm made of neoprene rubber, pipelines and accessories along with its painting with epoxy paints.
- vi) Filling of filter shell with fresh supply of filter media, strainer and accessories whatever required in the existing plant.
- vii) Closing of the manhole and commissioning with final testing of I.R.F.

### LIST OF I.R.F.:

Sl.No.	List of IRF	Location
1.	3000 G.P.H.	Main WTP
2.	1500 G.P.H.	Main WTP

### Part-2

**Thorough overhauling of the water softening plants mentioned below as per the following scope of work.**

- i) Opening the softener vessel along with connected pipe lines. Descaling of pipelines/valves, changing of valve diaphragm etc. as per requirement.
- ii) Removal of resin bed material.
- iii) Scrapping and cleaning the inside surface of the vessel and its painting two coats of anti-corrosive bituminous paint suitable for drinking water.
- iv) Scrapping, cleaning the outside surface of the vessels and painting with two coats of epoxy paints.
- v) Repairing and servicing of connected valves with change of nuprean diaphragm, pipelines and other accessories and painting them with two coats of epoxy paints.
- vi) Rejuvenation of existing resins content in the softener after acid wash and full rinsing.
- vii) Filling of filter media with addition amount, if required.
- viii) Resin trap and filters whatever required are to be replaced with new supply.
- ix) Closing of the vessels, thorough testing and commissioning of the plants.

### LIST OF SOFTENERS:

Sl.No.	DESCRIPTION
1.	2000 G.P.H. capacity water softening plant at NTA main water treatment plant
2.	1500 G.P.H. capacity water softening plant at NTA main water treatment plant.
3.	Water softening plant at Pneumatic (High Flow) complex.
4.	Water softening plant (qty. 3 nos.) at roof of chilled water plant.



### **Part-3**

#### **Servicing of Chlorine Metering Pump, Cleaning of Chlorine Storage Tank and Overhauling of Activated Carbon Filter at Main Water Treatment Plant**

<b>Sl. No.</b>	<b>Description</b>	<b>Quantity</b>
1.	Servicing of chlorine metering pumps 2 Nos at NTA and replacement of flexible pipelines for suction and discharge line. Adjustment of pump output as per AIESL's requirement. Replacement of chlorine pump, if required, will be as per the rate mentioned in Part-5 of price bid.	Lot
2.	Overhauling of Activated Carbon filter after opening of top cover, removing the charcoal medium, scraping cleaning painting inside and outside of the shell, refilling the shell with fresh supply of charcoal and other medium (at no extra cost), boxing up the shell and commissioning for use. The rates mentioned in Part-5 of price bid will be applicable for supply of pipes and valves if required.	One job
3.	Supply of residual chlorine test kit comprising of wooden box and following accessories: a) 08 nos. Standard ampules test kit in the range of 0.1 to 1.0 PPM. b) 3 nos. test tubes. c) 1 bottle ortholudine solution. d) 1 no. instruction sheet.	One set

### **Part-4**

#### **One Time Repairing Job**

<b>Sl. No.</b>	<b>Job Description</b>	<b>Quantity</b>
1.	Supply & installation of new Sintex make Tank (Capacity: 50 Ltr., Colour: White/Transparent) for Dosing of Chlorine at Main Water Treatment Plant, NTA.	01
2.	Repairing/replacement of injector of water softening unit of 1500 GPH Main WTP	02
3.	Repairing/replacement of legs/support structure of Water Softener Unit of Main WTP	01
4.	Repairing/replacement of legs/support structure of I.R.Fs. of Main WTP	02

### **Part-5**

#### **Supply of following items as and when required during overhauling as detailed in Part-1, Part-2, Part-3 and Part-4.**

<b>Sl.No.</b>	<b>Description</b>	<b>Qty in Nos.</b>
1.	3/8" pressure gauge	08
2.	3/4" Diaphragm valve	06
3.	1/2" R/L Diaphragm valve	05
4.	1" R/L Diaphragm valve	05
5.	1 1/2" R/L Diaphragm valve	03
6.	2" R/L Diaphragm valve	04
7.	2 1/2" R/L Diaphragm valve	02
8.	3" R/L Diaphragm valve	03
9.	3/4" Gate Valve	02
10.	1/2" Gate valve	05
11.	1/2" NRV	02

12.	1" Gate Valve	01
13.	2" Gate Valve	01
14.	1" injector	03
15.	Change of following dimension pipelines along with their necessary pipe fittings (all pipe lines are of heavy duty Class 'C' category).	Length in Feet
	a) 3" pipelines	02 ft.
	b) 2-1/2" pipelines	02 ft.
	c) 2" pipelines	20 ft.
	d) 1-1/2" pipelines	02ft.
	e) 1" pipelines	26 ft.
	f) 1¼" pipelines	10 ft.
	g) ½" pipelines	05 ft.
	h) ¾" pipeline	04 ft.
16.	MNO 2	100 Kgs.
17.	Resins (strong Acid Cation Exchanger in sodium of Ion exchange make)	300 ltrs.
18.	Chlorine Dosing Pump (Capacity 6 LPH at 4 Kg/cm <sup>2</sup> )	01 no.
19.	Water sample testing – Chemical as per Part-6 (II) of Scope of Work detailed under Annexure –B.	01 no.
20.	Water sample testing – Bacteriological as per Part-6 (II) of Scope of Work detailed under Annexure –B.	01 no.
21.	Chlorine (7% strength.) (average monthly consumption – 25 litres approx. i.e. 900 litres for 36 months)	per litre
22.	Salt (average monthly consumption – 1500 kgs approx. i.e. 54000 kgs for 36 months)	Per Kg

All the valves will be of Leader make or equivalent reputed make and pipes should be of Tata or Jindal make. Quantity mentioned against each item is indicative. Payment is to be made on actual consumption of the above items during course of work on approval and authorization of EF&PM, AIESL.

#### **Part-6**

I) Daily operation and routine maintenance of the following Water Treatment Plants as per the time schedule mentioned against each.

Sl. No.	Name of the Plant	Location	Schedule of Operation
01	Main Water Treatment Plant with two sets of drinking water supply including operation of Chlorination Plant at NTA, Dum Dum.	NTA, Dum Dum	All days including Sundays and Holidays during normal time from 0600 hours to 2100 hours.
02	Industrial Water Softening Plant	High Flow Pneumatic Complex, NTA Dum Dum	All days excluding Sundays & Holidays during normal working hours i.e. 08 hours from 0900 hrs. to 1700 hrs. or equivalent period.
03	Industrial water softening Plant (3 nos. in Parallel)	Roof above the Chiller Plant, NTA, Dum Dum	-do-

#### **II) Water Sample Testing:**

The water samples should be collected from AIESL's Water Treatment Plants by the representative of the Govt.

approved laboratory engaged by the successful bidder. Water test reports confirming parameters mentioned below are to be submitted from Govt. approved Laboratories duly accepted by AIESL to ensure good quality of water along with monthly bills or as desired by AIESL by the successful bidder as applicable. In case, if any adverse result is reported against the water sample tests, particularly in case of bacteriological tests, the successful bidder has to arrange for getting the water sample from the water source tested for bacteriological parameters by the Govt. approved laboratory engaged by the successful bidder. The water sample for this test is to be collected from a point located before the entry of water to the water treatment plant by the representative of the Govt. approved laboratory engaged by the successful bidder. If the water sample so collected from the source is found to be unsatisfactory bacteriologically for reasons not attributable to the borewell, then the successful vendor has to take necessary corrective action immediately. The successful vendor then has to arrange for testing of the water sample collected from the water treatment plant again to prove that the treated water is satisfactory in terms of all parameters. The details of the parameters to be tested during the tests are provided below:-

01. Chemical Test

- a. Hardness Test,
- b. Free Iron,
- c. TDS
- d. Residual Chlorine
- e. pH
- f. Turbidity
- g. Odour

02. Bacteriological Test

- a. Coliform Bacteria
- b. E.Coli
- c. Enterococci
- d. Colony count per ml. of the sample at 22°C
- e. Colony count per ml. of the sample at 37°C
- f. Pseudomonas aeruginosa
- g. Clostridium Perfringens

Water samples for testing are to be collected from the following locations as per test details and periodicity mentioned below.

Sl. No.	Name of the Plant with Location	Periodicity	Test to be done
1.	Main Water Treatment Plant at NTA, Dum Dum	On demand basis	Bacteriological Test & Chemical Test
2.	Industrial Water Softening Plant at High Flow Pneumatic Complex, NTA, Dum Dum	Quarterly	Chemical Test
3.	Industrial water softening Plant (3 nos. in Parallel) at roof above the Chiller Plant, NTA, Dum Dum	Quarterly	Chemical Test

**NOTE:-**

**Warranty- The successful bidder must ensure warranty for their supplied materials and workmanship for 12 months after the overhauling.**

Tender No:KOL/AIESL/EFPM/089-23

**TECHNICAL BID FORMAT****TECHNICAL BID**

Details to be submitted in this Technical Bid Form duly completed & signed with official seal and the same has to be put and sealed in an envelope as detailed in Point 2.1 of Page 2 of Guidelines for Submitting Tender Documents.

**Note:**

- 1) **Self Attested Documentary evidence with official seal, for each requirement (as the case may be) as sought under the heading description in Technical Bid Format should be enclosed with this Technical Bid Form.**
- 2) **Please note all the above Self Attested Documentary evidence related and attached to this Technical Bid Form have to be serially numbered as page ' \_ of \_ ' and mentioned in the column 4 of table below.**

Sr. No.	Description	Furnish Information Here	Mention the page no. as indicated in the Note 2 above	Remarks
1.	Name of the Company			
2.	<b>Nature of establishment</b> (proprietary / partnership / company) <b>Please enclose a copy of registration certificate</b>			
3.	In case of proprietary / partnership / company please provide the names of the proprietor / partners / directors with full address / telephone nos.			
4.	a) Full address of the Kolkata Office b) Telephone No. c) Mobile No. d) Fax No. e) Email Address f) Name of Contact person g) Name of 2 <sup>nd</sup> Contact person			

Sr. No.	Description	Confirmation	Mention the page no. as indicated in the Note 2 above	Furnish Information Here	Remarks
5.	Must be a firm / company engaged in the field of operation and maintenance of water treatment plants and having a minimum Annual Turnover of Rs. 7,00,000.00 in each of the last three financial years i.e. <b>2019-2020, 2020-2021 &amp; 2021-2022</b> - as the case may be. Copy of audited Balance Sheet and Profit & Loss A/c duly certified by Chartered Accountant, duly signed & stamped / sealed by the Proprietor / Director/ authorized signatory must be submitted as proof of Turnover along with the Technical Bid. Alternatively, a Certificate from Chartered Accountant certifying Annual Turnover of the bidder during the last three financially years,i.e., <b>2019-2020, 2020-2021 &amp; 2021-2022</b> , as the case may, be can also be submitted along with the Technical Bid.	Yes/No		2019 –2020  2020 – 2021 &  2021 – 2022  (as the case may be)	<b>If answer is No Tender stands rejected</b>
6.	Must have experience of <b>03 years</b> in the field of water treatment plant operation and maintenance and holding similar contract of Government / Corporate organizations during last 3 (three) years immediately preceding the date of the Tender and should provide copies of valid agreements / orders in this regard along with the Technical Bid	Yes/No		2018 - 2019.....  2019 - 2020.....  2020 – 2021/ 2021 – 2022 .....	<b>If answer is No Tender stands rejected</b>
7.	Must have valid Trade license from Corporation / Municipality / Panchayat. Copy of the same to be enclosed	Yes/No		Trade License No. .....	<b>If answer is No without proper justification Tender stands rejected</b>
8.	PAN Registration (Copy of PAN Card to be enclosed.)	Yes/No		PAN.....	<b>If answer is No Tender will be liable to be rejected</b>
9.	Copy of Income Tax Returns for the last three financial years i.e. <b>2019-2020, 2020-2021 &amp; 2021-2022 (as the case may be)</b> to be enclosed	Yes/No		2019 – 2020  2020 – 2021 Or  2021 – 2022  (as the case may be)	<b>If answer is No Tender will be liable to be rejected</b>
10.	Copy of GST Registration (Copy to be enclosed.)	Yes/No		GST Registration no. _____	<b>If answer is No without proper justification Tender stands rejected</b>

11.	ESI and PF Registration Code	Yes / No		ESI Code: PF Code:	<b>For information only</b>
12.	Details of Organizational setup & office manpower (Tech. & Non-Tech) details to be given separately for Kolkata & All India. No. of staff as well as category and qualification of respective personnel engaged by the service provider have to be furnished. (Separate Sheet is to be enclosed for the above information)	Yes/No		Technical ..... ..... Non-technical .....	<b>Any wrong declaration if detected later will render the Tender / Contract void</b>
13.	Has any Director / Partner / Proprietor been convicted.	Yes/No			<b>Any wrong declaration if detected later will render The Tender / Contract void</b>
14.	Whether any employee of AI ESL / AI ESL sister concerns' or his / her spouse is related to your company in any capacity (if yes give details)	Yes/No			<b>Any wrong declaration if detected later will render the Tender / Contract void</b>
15.	Whether any contract /LOI issued to the Bidder was terminated / rescinded due non-compliance of Terms & Conditions of the Tender ./non-compliance of the provision of Statutory Labour laws / Criminal Offences in the past.	Yes/No			<b>If answer is YES Tender stands rejected</b>
16.	Whether Bidder was black listed by any Government agency.	Yes/No			<b>If answer is YES Tender stands rejected</b>
17.	<b>EMD/DD of Rs.23,000/- (Rupees Twenty Three Thousand Only)</b>	Yes /No		DD No. & Date:	<b>If answer is No Tender stands rejected</b>
18.	Any other information which Bidder may like to furnish ( <b>Separate Sheet may be enclosed if required</b> )				

**Undertakings:**

- I) It is to hereby confirm that I / We have gone through and understood the contents of the Tender Document and agree to unconditionally abide by all the Terms and Conditions, Work Scope, all specifications and all the undertakings detailed under Clause (8) of Annexure A.
- II) It is hereby confirmed that the undersigned is authorized to sign the tender document and the information given in the tender is true and correct to the best of my knowledge and belief and nothing material is concealed.
- III) It is confirmed that all the documents submitted along with Technical Bid are signed and stamped with Co. Seal.

**Place:**.....

**Date:**.....

**Signature:**.....

**Name:**.....

**Designation:**.....

**Co. Name with Seal:**.....

## Annexure 'D'

### PRICE BID

Sub: Annual Contract for maintenance and daily operation of Water Treatment Plant, AIL, NTA, Dum Dum, Kolkata-700052.

#### JOB-WISE COST BREAK-UP

##### Part-1

Thorough overhauling of I.R.F. as per the scope of work detailed under Part-1 of Annexure –B. The rate quoted should be in accordance with Rates detailed under Clause (13) of Annexure A:-

Sl.No.	List of IRF	Location	Rate (Rs)
1.	3000 G.P.H.	Main WTP, NTA	
2.	1500 G.P.H.	Main WTP, NTA	
Sub-total (A)			

##### Part-2

Thorough overhauling of softeners as per the scope of work detailed under Part-2 of Annexure –B. The rate quoted should be in accordance with Rates detailed under Clause (13) of Annexure A:-

###### a) Main WTP

Sl.No.	Description	Rate (Rs)
1.	2000 G.P.H. capacity water softening plant at main water treatment plant, NTA.	
2.	1500 G.P.H. capacity water softening plant at NTA main water treatment plant, NTA.	
Sub-total (B)		

###### b) Pneumatic Complex & Chilled Water Treatment plant:

Sl. No.	Description	Rate (Rs)
01.	Water softening plant at Pneumatic (High Flow) complex.	
02.	Water softening plant (qty. 3 nos.) at roof of chilled water plant.	
Sub-total (C)		

##### Part-3

Servicing of Chlorine Metering Pump and Chlorine Storage Tank at Main WTP, NTA.

The rate quoted should be in accordance with Rates detailed under Clause (13) of Annexure A:-

Sl.No.	Description	Quantity	Rate
1.	Servicing of chlorine metering pumps-2 Nos at NTA and replacement of flexible pipelines for suction and discharge line. Adjustment of pump output as per our requirement. Replacement of chlorine pump, if required, will be as per the rate mentioned in Part-5 of price bid.	Lot	
2.	Overhauling of Activated Carbon filter after opening of top cover, removing the charcoal medium, scraping cleaning painting inside and outside of the shell, refilling the shell with fresh supply of charcoal and other medium (at no extra cost), boxing the shell and commissioning for use. <b>The rates mentioned in Part-5 of price bid will be applicable for supply of pipes and valves if required.</b>	One job	

3.	Cost of Residual Chlorine Test Kit comprising wooden box and following accessories : a. 08 nos. Standard ampules test kit in the range of 0.1 to 1.0 PPM. b. 3 nos. test tubes. c. 1 bottle ortholudine solution. d. 1 no. instruction sheet.	One set	
4.	<b>Sub-total (D)</b>		

#### **Part-4**

##### **One Time Repairing Job (Main Water Treatment Plant)**

**The rate quoted should be in accordance with Rates detailed under Clause (13) of Annexure A:-**

Sl.No.	Job Description	Quantity	Rate
1.	Supply & installation of new Sintex make Tank (Capacity: 50 Ltr., Colour: White/Transparent) for Dosing of Chlorine at Main Water Treatment Plant, NTA.	01	
2.	Repairing/replacement of injector of water softening unit of 1500 GPH Main WTP	02	
3.	Repairing/replacement of legs/support structure of Water Softener Unit of Main WTP	01	
4.	Repairing/replacement of legs/support structure of I.R.Fs. of Main WTP	02	
5.	<b>Sub-total (E)</b>		

**Supply of following items as and when required during overhauling (Part-1, Part-2, Part-3 & Part-4).**

#### **Part-5**

**The rate quoted should be in accordance with Rates detailed under Clause (13) of Annexure A:-**

Sl.No.	Description	Qty in Nos.	Rate	Amount
01	3/8" pressure gauge	08		
02	3/4" Diaphragm valve	06		
03	1/2" R/L Diaphragm valve	05		
04	1" R/L Diaphragm valve	05		
05	1 1/2" R/L Diaphragm valve	03		
06	2" R/L Diaphragm valve	04		
07	2 1/2" R/L Diaphragm valve	02		
08	3" R/L Diaphragm valve	03		
09	3/4" Gate Valve	02		
10	1/2" Gate valve	05		
11	1/2" NRV	02		
12	1" Gate Valve	01		
13	2" Gate Valve	01		
14	1" injector	03		
15	Change of following dimension pipelines along with their necessary pipe fittings (all pipe lines are of heavy duty Class 'C' category).	Length in Feet		
	a) 3" pipelines	02 ft.		
	b) 2-1/2" pipelines	02 ft.		
	c) 2" pipelines	20 ft.		
	d) 1-1/2" pipelines	02ft.		
	e) 1" pipelines	26 ft.		



	f) 1¼" pipelines	10 ft.		
	g) ½" pipelines	05 ft.		
	h) ¾" pipeline	04 ft.		
16	MNO 2	100 Kgs.		
17	Resins (strong Acid Cation Exchanger in sodium of Ion exchange make)	300 ltrs.		
18	Chlorine Dosing Pump (Capacity 6 LPH at 4 Kg/cm <sup>2</sup> )	01 no.		
19	Water sample testing – Chemical as per Part-6 (II) of Scope of Work detailed under Annexure –B.	01 no.		
20	Water sample testing – Bacteriological as per Part-6 (II) of Scope of Work detailed under Annexure –B.	01 no.		
21	Chlorine (7% strength.) (average monthly consumption – 25 litres approx. i.e. 900 litres for 36 months)	per litre		(Rs.....per ltr. x 900 ltrs)
22	Salt (average monthly consumption – 1500 kgs approx. i.e. 54000 kgs for 36 months)	Per Kg		(Rs.....per kg x 54000 kgs)
<b>Sub-total (F)</b>				

All the valves should be of Leader make or reputed make and pipes should be of Tata or Jindal make. Quantity mentioned against each item is indicative. Payment is to be made on actual consumption of the items during course of work on approval and authorization of EF&PM.

#### **Part-6**

Daily operation and routine maintenance of the Water Treatment Plants. The rate quoted should be in accordance with Rates detailed under Clause (13) of Annexure A:-

Sl. No	DESCRIPTION	Unit	RATE (in Rs.)	
			(in words)	(in figure)
01.	<b>Cost of Operation and Routine Maintenance of Main Water Treatment Plant as per Part-6 (I) (exclusive of water sample testing, supply of Salt and Chlorine) of Scope of Work detailed under Annexure –B.</b>	Per Year (For 1st Year)		
		Per Year (For 2 <sup>nd</sup> Year)		
		Per Year (For 3 <sup>rd</sup> Year)		
02.	<b>Cost of Operation and Routine Maintenance &amp; quarterly chemical testing of water sample of Industrial Water Softening Plant, High Flow Pneumatic Complex, NTA, Dum Dum as per Part-6 (I) (exclusive of supply of Salt and Chlorine) of Scope of Work detailed under Annexure –B.</b>	Per Year (For 1st Year)		
		Per Year (For 2 <sup>nd</sup> Year)		
		Per Year (For 3 <sup>rd</sup> Year)		

03.	<b>Cost of Operation and Routine Maintenance &amp; quarterly chemical testing of water sample of Industrial Water Softening Plant (3 nos. in Parallel) located at Roof above the Chilled Water Plant, NTA, Dum Dum as per Part-6 (I) (exclusive of supply of Salt and Chlorine) of Scope of Work detailed under Annexure -B.</b>	Per Year (For 1st Year)		
		Per Year (For 2 <sup>nd</sup> Year)		
		Per Year (For 3 <sup>rd</sup> Year)		
04.	<b>Sub-total (G)</b>			

**The monthly charges for operation and routine maintenance will be in three parts.**

- 1) Monthly Rate for daily operation and routine maintenance of the Water Treatment Plants and Water Sample Testing as per the time schedule as detailed in Part-6.
- 2) Cost of Salt (average consumption 30 numbers of 50 Kg bag per month):
- 3) Rate of Chlorine (per litre 7% strength.) (Average consumption 25 ltr. per month)

Successful vendor may be asked by AIESL to raise separate invoices for different jobs.

**Note:**

**1) LO1 will be calculated as follows:**

**Sub-total (A) for Part 1 + Sub-total (B) for Part 2(a) + Sub-total (C) for Part 2(b) + Sub-total (D) for Part 3 + Sub-total (E) for Part 4 + Sub-total (F) for Part 5 + Sub-total (G) for Part 6**

**2) The Rate(s) quoted in Rate Sheet should be -Inclusive of:**

All Government Taxes and Levies (**except applicable**), capital cost, all costs related to deployment of manpower, all costs pertaining to substitution on account of absenteeism of manpower, all costs on account of requirement of personnel during time-off, all costs on account of requirement of personnel during weekly off, cost on account of transportation charges, cost on account of provision of all tools /tackles, costs on account of provision for name badges, costs on account of payments pertaining to mandatory / statutory compliances, costs on account of provision of mobile phone with connection, costs on account AEP / PIC Charges and all other incidental and related charges in connection with providing subject service not mentioned herein.

**3)** Applicable GST (%) pertaining to rendering of such service is to be mentioned separately and will be paid by AI ESL /AI ESL sister concerns as per prevalent rules.

**4)** Any imposition of any new statutory Govt. Tax and Levy during subsistence of the contract, pertaining to rendering of such service will be charged to AI ESL / AI ESL sister concerns account. The successful bidder will have to provide proof of such applicability and payment to AI ESL / AIESL sister concerns for incorporating necessary amendment in the contract and subsequent re-imburement.

**I / We have** gone through and understood the contents of the Tender Document and agree to unconditionally abide by all the Terms and Conditions, Work Scope, all specifications and all the undertakings governing the Tender.

**Signature of  
the Bidder with  
official seal &  
date**

**GM (Engineering)**

**AI Engineering Services Ltd., Kolkata**

**Annexure 'E'**

**FORMAT OF COVERING LETTER FOR SUBMISSION OF TENDER DOCUMENTS ON THE LETTER  
HEAD OF THE BIDDER**

**(TO BE SUBMITTED ALONG WITH TECHNICAL BID FORM)**

**To,**  
DGM-PPMM  
AI ENGINEERING SERVICES LTD.,  
NEW TECHNICAL AREA,  
DUM DUM,  
KOLKATA:700052

Ref: **KOL/AIESL/EFPM/089-23**

Date:17.05.2023

Sub: Tender for **Annual Contract for Maintenance and Daily Operation of Water Treatment Plant,  
AI Engineering Service Ltd., New Technical Area (N.T.A.), N.S.C.B.I. Airport, Dum Dum,  
Kolkata-700052.**

**Tender No:**  
**KOL/AIESL/EFPM/089-23**  
**Due on: 06.06.2023**

**Date:17.05.2023**

Dear Madam / Sir,

It is certified that, we..... have studied the entire tender enquiry  
number..... for providing service of  
.....

We have understood all the terms and conditions of the tender including the Annexures and accept and agree to abide by all the techno-commercial terms and condition of the tender document unconditionally.

We confirm that there is no hidden cost to AIESL/AIESL sister concerns over and above those indicated in the Price Bid. We confirm that, the benefit of reduction in statutory taxes / levies, if any arising during the term of contract, if awarded in our favour would be passed on to AIESL/AIESL sister concerns, wherever applicable.

Thanking You,

Yours faithfully,

Signature:  
Name:  
Designation:  
Name of Company:  
Address:

Company seal:

Phone No.:

Fax. No.:

E-MAIL:

**Annexure 'F'**

**LETTER OF AUTHORIZATION FOR ATTENDING BID OPENING**

(ON COMPANY LETTER HEAD)

**To,  
DGM( E-PPMM)  
AI ENGINEERING SERVICES LTD.,  
NEW TECHNICAL AREA, DUMDUM,  
KOLKATA: 700 052**

**Sub:** Authorization for Opening of Bid

**Tender No:** KOL/AIESL/EFPM/089-23

**Date:** 17.05.2023

**Opening Date:** 06.06.2023

**Opening Time:** 15:00 Hrs.

The following person(s) is here by authorized to attend the bid opening for the tender mentioned above on our behalf.

<u>Sr. No.</u>	<u>Name</u>	<u>E-mail ID</u>	<u>Contact No.</u>	<u>Signature</u>
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1.

2.

Authorised Signatory Note:

1. Permission for entry to the hall where bids are opened, may be refused in case authorization as prescribed above is not received.
2. The authorized representatives, in their own interest, must reach the venue of bid opening well in time.
3. The authorized representative(s) must carry a valid photo identity.