



**NOTICE INVITING E-TENDER FOR COMPREHENSIVE
A.M.C. INCLUDING OPERATION AND MAINTENANCE
FOR 0.4 MLD SEWAGE TREATMENT PLANT (S.T.P.),
SEWAGE PUMPING STATION (S.P.S.) AND T.T.U. FOR 3
YEARS AT IIM, LUCKNOW**



INSTITUTE OF MANAGEMENT LUCKNOW

NOTICE INVITING E-TENDER

IIML/PROJ/TENDER/2022-23/4353 Date: 25/08/2022

NOTICE INVITING E-TENDER FOR COMPREHENSIVE A.M.C. INCLUDING OPERATION AND MAINTENANCE FOR 0.4 MLD SEWAGE TREATMENT PLANT (S.T.P.), SEWAGE PUMPING STATION (S.P.S.) AND T.T.U. FOR 03 YEARS AT IIM, LUCKNOW.

Dear Sir,

Tenders are invited, on behalf of the Director, Indian Institute of Management, Lucknow for NOTICE INVITING E-TENDER FOR COMPREHENSIVE A.M.C. INCLUDING OPERATION AND MAINTENANCE FOR 0.4 MLD SEWAGE TREATMENT PLANT (S.T.P.), SEWAGE PUMPING STATION (S.P.S.) AND T.T.U. FOR 03 YEARS AT IIM, LUCKNOW, Prabandh Nagar, Lucknow as per BOQ attached. The Institute invites you to participate and to send your offers as per the attached **NOTICE** inviting **E-TENDER**.

E-Tenders are invited under two bid system (both Technical and Financial) from reputed Companies. The complete Tender document containing General term and Conditions, pre-qualification requirements etc. are available on <http://eprocure.gov.in/procure/app> and our website <http://www.iiml.ac.in> for reference only.

Reputed Companies may submit their bids in the prescribed format with all the necessary documents online at <http://eprocure.gov.in/procure/app> on or before bid submission closing Date & Time

Sd/-
Chief Administrative Officer
For Indian Institute of Management



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Dear Sir,

E-Tenders are invited from reputed companies for Notice Inviting E-tender to submit their tender, quote your minimum rates on enclosed bill of quantity on behalf of Director, IIM Lucknow. The General terms & conditions of service contract are also enclosed which are bidding to both IIML and the Bidder.

Earnest Money	:	Rs. 65,000/- (Rupees Sixty five Thousand Only)
Total Estimated Cost	:	Rs. 32,00,000/- (Inclusive of GST)
Period of Contract	:	3 years
Date of issue of tender document	:	25 th August 2022
Date Pre-Bid Meeting	:	2 nd September 2022 at 11 AM
Last Date for submission tender document	:	14 th September 2022 upto 02:00 PM
Date of opening of Technical Bid Opening	:	15 th September 2022 upto 03:00 PM
Date of opening of Financial Bid Opening	:	Will be informed to the Bidders Qualifying the Technical Bid.
starting of work	:	Within 10 days of the Date of LOI

Tenderer are advice to visit the site and see the work before submitting the tender. **The Technical and Financial bids should be uploaded through E-tendering process only before the due date & time.**

Sd/ -

Chief Administrative Officer
For Indian Institute of Management Lucknow

TECHNICAL BID

SCOPE OF WORK

Scope of Work for CAMC of 0.40 MLD STP for smooth and efficient working and subsequent operation and maintenance:

- a) The raw sewage flowing into the sump at SPS shall be pumped to the STP. The sewage shall be adequately treated in the STP based on activated sludge treatment process. The treated wastewater shall be partly collected in the treated water sump, and the balance discharged into the adjoining nalla. The treated wastewater in sump may be adequately disinfected before pumping outside the STP area (for use by owner in horticulture, washings, etc.). The solid wastes generated from treatment shall be dried in the drying beds before disposal. (Record to be maintained of operation detail by contractor).
- b) The contractor shall maintain all equipment in good running condition. The work involves routine inspection, cleaning, etc. of all electrical and mechanical equipment (such as pumps, motors, valves, aerators and clarifier) etc. Record to be maintained of Routine & Preventive maintenance by contractor and verify the work to Engineer-in-charge by IIM. The contractor will submit preventive maintenance detailed report on approved Performa quarterly to the client.
- c) Visit of an Engineer (Technical person) from the firm – once in every month. He will meet the Engineer-in-charge and will submit of written progress report in detail on his letter head.
- d) The Tenderer (Service provider) will advise and facilitate in getting the consent order from U.P. State Pollution control Board. Any legalities from UPPCB will be borne by contractor on behalf of IIML.
- e) IIM, Lucknow reserves the right to curtail or enhance the scope of work either by deletion of certain items entirely or by reducing/increasing the quantities of certain items as required reviewed by the Institute from time to time and therefore, the final value of the work shall be worked out and paid to the extent actually carried out.
- f) Income Tax and Labour Cess as per the rules will be deducted from the bill and the amount so deducted will be credited to the Income Tax authorities and a certificate of the amount credited will be issued by the accounts section of IIM, Lucknow.
- g) Supply of all spare parts & materials which are required in maintenance of STP, SPS & TTU will be provided free of cost. (in case of comprehensive of AMC)
- h) All statutory levies/charges and overheads payable to any Govt. authority what so ever shall be borne by the contractor. Institute accept no responsibility of liability what so ever on this account.
- i) The rate shall remain firm and no enhancement/escalation on account of any statutory or other increase by local authority/State/Central Govt. shall be entertained.
- j) The dispute, if any, will be referred to the Director, IIM, and his decision will be final and binding.
- k) The Tenderer shall be fully responsible in respect of the any damages in respect or in consequence of any accident/injury/death to any workman without involvement of IIM Lucknow. In case of any mishap/accident, the service provider will take full responsibility relating to any compensation/medical care to any of his staff.

INSTRUCTION TO TENDERER

- (i) The Tenderer shall read the document carefully before filling it.
- (ii) Bidders are required to deposit an amount of Rs. 65,000/- (Rupees sixty five Thousand only) towards Earnest Money Deposit (EMD) to below mentioned bank account of Institute on or before the last date & time mentioned above. EMD through any other form will not be accepted. UTR number / Transaction ID and date of Deposit/Transfer of EMD shall be mentioned in Technical Bid at appropriate place. **Those who are exempted from deposit of EMD shall upload the valid certificate in this regard.** Bank Details

Account No.	07231450000294
IFSC Code	HDFC0000723
Name of Bank & Type of Account	HDFC BANK/Saving

- (iii) Financial bid must be filled and submitted in the prescribed formats given on the CPP portal separately. A sample format of the financial bid has been attached with the Technical bid just for the understanding of the bidders. This is required to be kept blank and just signed and stamped along with the other documents of this Tender. If filled in financial bid is found along with the Technical bid of this Tender, then the Tender shall be straight away rejected.
- (iv) Tender must be valid for a minimum period of 120 days from the date of opening.
- (v) Technical offers shall be opened first, if the tenderer fail to submit the EMD than their technical offer will not be Opened/Evaluated. The technical offers will be evaluated by the selection committee based on technical evaluation criteria of this document. The Financial offers from technically unqualified tenderers as per evaluation criteria will not be opened.
- (vi) Financial offer shall be opened only for those tenders who are technically qualified as per evaluation criteria of this tender document.
- (vii) The dates for opening financial offer will be communicated to the tenderers and tenderers are requested to be present at the time of opening the tenders. Authority letter is must if any person other than who has signed the tender document attends such event.
- (viii) Each page of the tender document must have signed by the authorized signatory of the tenderer.
- (ix) Original tender document duly signed and filled up should be uploaded.
- (x) The tender not accompanied by complete document or duly filled in all respect shall be rejected.
- (xi) All erasures, cuttings and alterations made must be attested by the authorized person while filling the tender document. Over-writing of figures is not permitted.

- (xii) Successful tenderers must visit the site and see the means of access to the site and specifications and acquaint themselves fully about the works to be carried out and all other factors governing the works before quoting his rate.
- (xiii) Tenderer has to submit Performance Security deposit 10% of total contract value within 10 days after issue of LOI with minimum validity of three years plus 60 days in form of DD/FDR from Nationalized Bank. EMD of unsuccessful tenderer shall be returned after finalization of contract. EMD of successful tenderer shall be returned only after deposit of Performance Security deposit. Performance Security deposit will be release after successful completion of work. No interest shall be paid on amount.
- (xiv) **Initially contract will be awarded for three years.** After satisfactory completion of three years, the contract may be extended for two year with mutual consent of the Institute and the contractor. However, both the Institute and the contractor shall have the right to end the contract by serving notice to the other party, three months in advance. Also if the contractor is found to be grossly negligent or inadequate in execution of the work, the Institute shall have full right to notify the contractor of the gross defects and to terminate the contract at any time during the contract period without any prior notice.
- (xv) Performance Security deposit shall be in the form of FDR Drawn on any nationalized bank in favour of Indian Institute of Management, Lucknow payable at Lucknow.
- (xvi) The rate quoted by the tenderer shall be the total sum of material & labour at the IIM Lucknow campus, Lucknow Excluding of GST. **GST will be paid extra as applicable.**
- (xvii) If any discrepancy / misprint is noticed / specification or BOQ, it should be clarified from the Institute before quoting the rate.
- (xviii) Following procedures shall be adopted in case of difference in quoted rates in figures and words and extensions:
 - a. Where there is difference between rates in figures and the rates, quoted in words shall be considered as correct.
 - b. Where the amount of an item is not worked out or it does not correspond to the rate either in figure or in words, the rates quoted in words shall be considered as correct and necessary extension made.
 - c. Where the rate quoted by the tenderer in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the tenderer shall be considered as correct and amount shall be corrected accordingly.
- (xix) The Indian Institute of Management, Lucknow do not bind themselves to accept the lowest or any other tender and reserve the right to accept or reject any or all the tenders either in full or in part without assigning any reason.
- (xx) The tender shall be opened & evaluated by the tender committee and the successful tenderer shall be informed.

- (xxi) If any of the document submitted by the tenderer is found fake, even after the acceptance of tender, the contract will be terminated for which the concerned tenderer will itself be responsible and no compensation, etc., will be paid by the IIM, Lucknow.
- (xxii) The Director, Indian Institute of Management, Lucknow has reserves the right to reject one or all the tenders without assigning any reason. No claim, whatsoever, shall be entertained on this account.
- (xxiii) Tenderer are required to execute the agreement in accordance with the approved Proforma on non-judicial Rs. 100 stamp paper of appropriate value within 10 days from the date of receipt of this Letter of Intent. The cost of non-judicial stamp paper is to be borne by tenderer.
- (xxiv) Tenderer can avail relaxation given as per Govt. norms for NSIC/MSME registered firm.
- (xxv) Successful tenderer uploaded document will be verified with the original at the time of LOI / Agreement.
- (xxvi) Tender term & condition also includes GCC which is uploaded on IIML website and also be the part of this contract and its terms and conditions shall be bidding to both IIML and the successful Tenderer. So please read it properly. Link <https://www.iiml.ac.in/sites/default/files/upload/tender/293037022gcc.pdf>
- (xxvii) Intending parties are required to submit an undertaking that their firms have never been debarred / black listed by any Government/Public sector dep't. And there is no criminal case on the Proprietor/ partners/ any of the Directors in any Police station of any court of India. **This undertaking is to be given along with Technical Bid in the following format with bidder's signature & stamp:**

Undertaking to be furnished by the intending Tenderers:-

I/We declare and confirm that:-

- i. I/we have never been blacklisted /debarred from any Govt. /Public sector enterprises.
- ii. There is no criminal case on me/ and my partner/ board of directors is there in any court/Police station of India.
- iii. All the information and attachments submitted in the tender document/ envelope are true and correct.
- iv. There is no suppression or concealment of information / document with regard to execution of work during the last 05 years
- v. I / We are aware that any false information provided herein will result in the rejection of my tender at any stage.

TECHNICAL DETAILS OF BIDDER/ ELIGIBILITY **CRITERIA FOR THE BIDDERS**

Bidders should meet the following eligibility criteria to declared as Technically qualified and bidders are required to submit this filled format with their signature & stamp with all requisite documents in support of the information provided by the bidders:

SNo.	Particulars	Credential Criteria of Firm
1	Name of the firm & Address	
2	Contact No. and Email-ID	
3	GST Registration No. of the firm/Agency (Enclose copy) :	
4	Registration No. of the firm/Agency (Enclose copy) :	
5	Income Tax Permanent Account No. (Enclose copy)	
6	Details of Bidder's experience (refer note below) Mention the condition meet by the bidder with documentary evidence	d (i) or d (ii) or d (iii)
7	Detail of Annual Turnover of the bidder	FY 2019-20 FY 2020-21 FY 2021-22 / FY 2018-19
8	UTR number generated on deposit of EMD or valid MSME registration certificate no. and year	UTR No. _____ Or MSME Cert No. _____
9	Valid Labour License Number of agency/Firm.	No .
10	Valid EPF and ESI registration number.	EPF No. ESI No.
11.	Signed & stamped declaration for non-blacklisting of the firm (format provided in NIT)	Yes / No

DECLARATION

1. All the information furnished by me / us here above is correct to the best of my knowledge and belief.
2. I / we have no objection if enquiries are made about the work listed by me / us in the accompanying sheets / Annexures.
3. I / We agree that the decision of Indian Institute of Management Lucknow in selection of contractor will be final and binding to me / us.

4. I / We have read the instructions and I / we understand that if any false information is detected at a later date the tender shall be cancelled at the discretion of the Company and liable for any action, as deem fit by the Indian Institute of Management Lucknow.

5. I / We hereby confirm that my/ our company has never been blacklisted by any State/ Central Government organization.

The Technical Bid should contain the followings documents for technical qualification: -

- a) Photocopy of GST Number
 - b) Photocopy of PAN Card
 - c) Prospective vendors shall have minimum of three years of experience (enclose copy of registration of the firm showing date of registration) as on 31st March of previous financial year i.e. 2021-22.
 - d) The bidder should have meet one of the following conditions:
 - (i) Completed one contract of similar type of works with any Central/State/PSU/Govt./Reputed Pvt in last three years from 31st March of the previous financial year having a contract value of not less than 80% of the estimated contract value.
 - (ii) Completed two contracts of similar type of works with any Central/State/PSU/Govt./Reputed Pvt in last three years from 31st March of the previous financial year having a contract value of not less than 60% of the estimated contract value.
 - (iii) Completed three contracts of similar type of works with any Central/State/PSU/Govt./Reputed Pvt in last three years from 31st March of the previous financial year having a contract value of not less than 40% of the estimated contract value.
2. Photocopy of certificate issued by CA showing annual turnover of the firm, average of which shall be equal or more than 30% of the estimated tender value, during 03 financial years (any three 2019-20, 2020-21 and 2021-22 or 2018-19).
 3. An documentary evidence i.e. Deposit Slip/ Screen-shot or valid MSME Certificate.
 4. Photocopy of Labour License no. and valid EPF & ESI photocopy
 5. Undertaking for non-blacklisting of the firm (format provided in the NIT)

Signature of the Contractor (or) His authorized
signatory with seal of the agency/ firm

TENDER Declaration

I/We have read and examined the Notice Inviting tender, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, & other documents and rules referred to in the conditions of contract and all other contents in the tender document for the work including GCC attached separately or upload on iiml.ac.in.

I/We hereby tender for the execution of the work specified for IIM Lucknow within the time specified, viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing.

I/ We agree to keep the tendered rates valid till 120 days from the date of opening of tender and not to make any modifications in its terms and conditions.

A sum of Rs. 65,000/- is hereby forwarded in Cash/Receipt Treasury Challan/Deposit at call Receipt of a Scheduled Bank/Fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by scheduled bank as earnest money.

OR

I/We had submitted a self-attested copy of valid certificate as a proof of exemption from submission of Earnest money deposit.

If I/we, fail to furnish the prescribed performance guarantee or fail to commence the work within prescribed period I/we agree that the IIM Lucknow or its successors in office shall without prejudice to any other right or remedy be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail of commence work as specified, I/we agree that IIM, Lucknow or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations/ additional/ extra items as may be ordered as per the provisions in the Contract.

Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/ have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in IIM, Lucknow in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived therefrom to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated ____ ** _____

Signature of contractor
Postal Address **

TENDER EVALUATION CRITERIA

Tender will be evaluated in two step i.e. Technical Bid and Financial Bid. Only those firm/vendor who qualified in Technical Bid, their Financial Bid will be opened.

Contract shall be awarded to the firm (s) offering the lowest in overall total. The firm (L-1) will be awarded the work. Rate quoted by bidders in any particular or overall found Un-justifying can be call for explanation.

DEFINITIONS

In this Contract, the following words and expressions shall have the meanings as stated below:

- (i) **'IIM'** shall mean Indian Institute of Management, IIM Road, Lucknow and shall include their successors and assigns, as well as their authorized representatives.
- (ii) **ENGINEER-IN-CHARGE** shall mean the engineer appointed by the IIM to supervise all activities of the project.
- (iii) **'TENDERER'** shall mean the company / agency who quote against the tender enquiry for undertaking the work.
- (iv) **'CONTRACTOR'** shall mean the successful tenderer whose tender has been accepted by the IIM and to whom the order is placed by the IIM and shall include his heirs, legal representatives, successors etc.
- (v) **'PERMANENT WORKS'** shall mean all the works included in the schedule of quantities and shall also include additions, alterations etc. communicated in writing.
- (vi) **'SITE'**, shall mean the all place i.e. IIM, Lucknow where the project is to be executed.
- (vii) **'PROJECT'** shall mean entire work specified in the contract documents inclusive of extra items/extra quantities (if any) executed during the contract period.
- (viii) **'ACCEPTANCE LETTER'**, shall mean written consent by a letter of IIM to the tenderer intimating him that his tender has been accepted.
- (ix) **'CONTRACT'** shall mean the articles of Contract Agreement. The conditions of contract, schedule of quantities, specifications, attached and duly signed by the IIM and the Contractor.
- (x) **'DATE OF CONTRACT'** shall mean the date on which the IIM has issued acceptance letter.
- (xi) **'CONTRACT PERIOD'** shall mean the period (including rainy season) specified in the tender documents during which the contract shall be executed.
- (xii) **'COMPLETION CERTIFICATE'** shall mean the certificate issued by the IIM to the contractor after successful completion of the project. This certificate will be issued on the basis of consultant's/ User's certificate to IIM about the completion of the job.
- (xiii) **'EXTRA ITEMS'** are those items, which are not appearing in the BOQ but are required to be executed during the project period and for which rates are to be derived as per the formula given in the conditions of the contract.
- (xiv) **'EMD'** shall mean Earnest Money Deposit. The Owner takes this amount to check the earnestness/seriousness of the tenderers in case they are selected as winners.
- (xv) **All communication will be sent through email only.**

SPECIAL CONDITIONS OF CONTRACT.

1.1 Directive to Contractor

1.1.1 Interpretation of Contract Documents:

- (i) All the documents (such as SNIT, ITT, TENDERER DECLARATION, DEFINITIONS & SCOPE OF WORK, TECHNICAL SPECIFICATIONS, General Conditions of Contract which are available on IIML Web site and FINANCIAL BID) forming part of the contract are to be taken as mutually explanatory, supplementary and complementary to each other. If there is any error, omission or discrepancy in any of them, it shall be brought to the notice of the IIM. The decision of the IIM shall be final and binding. The contractor shall execute the work accordingly.
- (ii) The contractor shall examine all the contract documents thoroughly including the scope, nature and magnitude of works he has to execute in accordance with the contract documents.
- (iii) The contractor shall visit the project site so as to study the site conditions, means of access to the site and other factors governing the works.

1.1.2 Period of Contract:

The time period for work will be 3 years from the date of issue of LOI (Letter of Intent).

Initially contract will be awarded for three years. After satisfactory completion of three years, the contract may be extended for two year with mutual consent of the Institute and the contractor. However, both the Institute and the contractor shall have the right to end the contract by serving notice to the other party, three months in advance. Also if the contractor is found to be grossly negligent or inadequate in execution of the work, the Institute shall have full right to notify the contractor of the gross defects and to terminate the contract at any time during the contract period without any prior notice

1.1.3 Deployment of Staff

The agency should be well experienced in the field of operation and preventive maintenance of 0.40 MLD Sewage Treatment Plant (STP), Sewage Pumping Stations (SPS) and TTU with all associated items of Plant and shall deploy experienced and qualified manpower for operations & repairs. A qualified engineer/ technician of the agency shall visit, and inspect for operational maintenance of sewage treatment plant with all associated items. A report to this effect signed by the Engineer-in-charge shall be submitted along with bills (Engineer should visit on monthly basis/or in the event of any emergency and also to check the inputs and rectify the issues and further to submit the report along with bills. The agency shall inform the name of the experienced and qualified person (Engineer) who will visit the site for attending the operation and preventive maintenance of Sewage treatment plant with all associated items. The agency shall be fully responsible for any kind of accidents/ miss- happening to their staff at work

1.1.4 Delay in work execution due to reasons beyond contractor control:

Force Majeure:

If the execution of work is delayed due to force majeure, or due to the circumstance which were not in the control of the Tenderer then IIM as per the affected period may extend the time period as per the discretion of the Director of the Institute.

1.1.5 Dispute & Arbitration:

- (i) All disputes or differences whatsoever arising between the parties out of or relating to this contract or the specifications, designs and quality of work, quality of materials used for the work, construction, meaning and operation or effect of the work or the breach thereof that cannot be settled by good faith and negotiations between the parties within 60 days of the commencement of the negotiation shall be settle by mutually referring the dispute to a sole Arbitrator and the award passed by him shall be final and binding on the parties. Selection of arbitrator shall be made by mutual consent. The cost of arbitration shall be divided equally. The proceedings will be governed by the provisions of the arbitration & Conciliation Act, 1996. The place of arbitral proceedings will be Lucknow. The language of the arbitral proceedings shall be English
- (ii) By consent of Parties the jurisdiction of all other courts are excluded and the courts at Lucknow alone shall have jurisdiction.
- (iii) "Abandonment/incomplete work", wherein it should be mentioned that apart from the forfeiture of security the incomplete work shall be got completed from some other agency and the costs thereof be recovered from the contractor.
- (iv) The service of notice will be given by e-mail, fax, courier, speed post or registered post be added and the address for service of notice be specified both for IIM and contractor.

1.1.6 Escalation:

The rates quoted by the contractor in the contract documents shall be final and shall not be subjected to any change due to the increase in labour wages or inflation wages or inflation in the cost of materials or any other price variations due to any reason during the stipulated time period of the contract or during the extended time period of completion.

1.2 Execution of Work

1.2.1 General:

All the works shall be executed in accordance with the specifications and instructions approved by the IIM as mentioned in the contract document.

1.2.2 Inspection of works:

- (i) The IIM shall have the full authority to inspect the works at any time, at any stage. The contractor shall provide adequate facilities to carry the inspection work. The contractor should present himself or his authorized representative during the inspection so that the IIM can convey the instruction regarding the works.

- (ii) The contractor shall give information to the IIM before covering up the works so that the same can be inspected and measured jointly & correctly to true dimensions.
- (iii) If the contractor fails to get the work inspected before covering it up, then the IIM has full authority to get the work uncovered at the expense of the contractor and if any fault is found then the contractor should rectify the same without claiming any extra payment.

1.2.3 Inadequate / substandard works and materials:

- (i) Material used should be make mention in **BOQ**
- (ii) If any work executed by the contractor is found to be of bad workmanship, then the same is to be dismantled and re-executed by the contractor without claiming any extra payment or extension in time period.

1.2.4 Default of Contractor in compliance:

If the contractor or his authorized representative fails to follow the instructions given by the IIM regarding any of the works, then the same shall be got executed by engaging other contractor/ persons by IIM at the risk and cost of the contractor.

1.2.5 Discrepancies between instructions:

The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions. In the case of discrepancy between the schedule of Quantities, the Specifications and/ or the Drawings, the following order of preference shall be observed: -

- i. Description of Schedule of Quantities.
- ii. Particular Specification and Special Condition, if any.
- iii. Drawings.
- iv. IIM LUCKNOW Specifications.
- v. Indian Standard Specifications of B.I.S.

If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor. Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.

If any discrepancy occurs between the various instructions conveyed to contractor or his authorized representative or if any misunderstanding arises between the contractor's staff and IIM's staff, the contractor shall report the matter immediately to the IIM. The decisions of IIM shall be final and binding. Moreover, no claims for losses due to discrepancies between instructions, doubts or misunderstandings shall be admissible.

1.2.6 Liabilities for defects and rectifications:

If it shall appear to the IIM that any work has been executed with imperfect or unskilled workman or with materials of any inferior description, or of quality inferior to that contracted for, or otherwise not in accordance with the contract, the contractor shall on demand in writing from the IIM or his representative specifying the work, materials or articles complained of, notwithstanding that the

same may have been inadvertently passed, certified and paid for forthwith rectify or remove and reconstruct that work so specified and provide other proper and suitable materials or articles at his own charges and cost, and in the event of failure to do so within a period to be specified by the IIM or his demand aforesaid, the Incharge may on expiry of notice period rectify or remove, re-execute the work at the risk of Contractor and the cost shall be recovered from the Contractor. The decision of the IIM as to any question arising under this clause shall be final and conclusive.

1.2.7 Suspension of work:

The contractor shall suspend the progress of work on receipt of the written order from the IIM for any of the following reasons:

- (i) On account of any default on the part of the contractor. In this case the contractor shall be entitled for the extension of time, but the contractor shall have no claim for payment of compensation for re-execution of faulty works.
- (ii) For execution of the works for reasons other than the default of the contractor.
- (iii) For safety of the works.

1.2.8 Possession Prior to completion:

The IIM shall have authority to take possession of any completed or partially completed works. Such possession shall not be deemed to be acceptance of any work completed in accordance with the contract. If such prior possession delays the progress of works then the adjustment in the time of completion shall be done accordingly. The decision of the Engineer-Incharge regarding the extent of delay shall be final and binding.

1.2.9 Care of Works:

From the commencement to the completion of works, the contractor shall take full responsibility for the care of all works and in case any damage or loss occurs then the contractor shall repair and make good the same at his own cost so that on completion of the work, the same shall be in good order in every respect in accordance with the contract and to the satisfaction of the IIM.

1.3 Certificate and Payment

1.3.1 Schedule of Rates:

- (i) The payments to be made to the contractor shall be as per the finalized rates in tender documents and the rates of extra items finalized from time to time.
- (ii) All measurements shall be in the metric system and in accordance with Indian Standard Specifications and in accordance with standard engineering practice. If the contractor has any objection regarding the measurements then the contractor shall inform the IIM immediately. The decision given by the IIM shall be final and binding on the contractor.

1.3.2 Mobilization Advance:

No mobilization advance shall be paid.

1.3.3 Billing:

- (i) Generally payment shall be made on Quarterly basis. However in case of delay in any particular quarter due to valid reason, the contractor should ensure the payment to the workers every month.
- (ii) The agency will have to enclose the copies of PF, ESI, and Challan of previous months for releasing the payment of current month.

1.3.4 Terms of Payment:

- (i) The payment due to the contractor shall be made only through RTGS.
- (ii) Wherever any claim for the payment against the contractor arises as per the contract, the same may be deducted from the bill of the contractor or from his security deposit.
- (iii) **Tax Deduction:** All statutory deduction like Income Tax, Works Contract Tax, E.S.I., P.F or any other government-imposed liability shall be borne by the contractor (as applicable at the time of execution of job) and shall be deducted from each bill submitted by the contractor.

1.3.5 Provisional Completion Certificate:

When the contractor successfully completes the works as per the contract, he shall be eligible to apply for provisional completion certificate in respect of the works. The IIM shall issue to the contractor the provisional completion certificate after verifying from the completion documents submitted by the Engineer-Incharge and satisfying him/ user Department that the work has been completed in accordance with the contract document. The contractor, after obtaining the provisional completion certificate, is eligible to present the final bill for the work executed by him under the terms of the contract.

The work will not be considered as complete and taken over by the IIM until all the temporary works, labour hutments etc. are removed and the work site cleared to the satisfaction of the IIM.

If the contractor fails to comply with the requirements of the above on or before the date for the completion of the works, the IIM may, at the expense of the contractor, remove the tools and plants and surplus materials and dispose-off the same and the contractor shall pay the amount of all expenses incurred.

1.4 Labour Laws and Safety Regulations

1.4.1 Labour Laws:

- (i) Labour below the age of 18 years shall not be employed on the work.
- (ii) The contractor shall not pay less than what is specified by the law to labours engaged by him on the work.
- (iii) The contractor shall, at his own expenses, comply with all labour laws and the IIM shall not be responsible for any recovery/penalty imposed by the respective authorities for violating the labour laws.
- (iv) If the contractor is covered under the Contract Labour (Regulation & Abolition) Act, he shall obtain a license from the licensing authority (i.e. the office of labour Commissioner), by payment of the necessary prescribed fee and deposit, if any, before starting the work.

- (v) The contractor shall furnish to the IIM, the details of the workers employed on the works.
- (vi) The contractor shall comply with the provisions of the existing rules and regulations relating to labour laws.
- (vii) The IIM shall on a report having been made by an inspecting officer as defined in Contract Labour (Regulation and Abolition) Act, 1980, have the power to deduct from the amount due to the contractor any sum required or estimated to be required for making good the losses suffered by a worker or workers by reason of non-fulfilment of the conditions of the contract for the benefit of the workers, or if deductions made from his or their wages which are not justified by the terms of contract or non-observance of the said regulations.

1.4.2 Minor/Fatal Accident on Duty:

For cases of minor/Fatal accident on duty not covered under compensation by IIM, the contractor shall have to compensate the affected person/family. The absence from duty, if takes place, due to such accident shall be considered as special leave and full payment shall have to be made for duration of such absence.

1.5 Safety Code

1.5.1 Safety and Protection:

The contractor shall adhere to safe construction practice and guard against hazardous and unsafe working conditions. While carrying out the work, the contractor should provide for;

- (i) Safety of personnel engaged in the construction.
- (ii) Protection and safety of works and materials during their progress.
- (iii) Sanitary and hygienic conditions of working and living for his workers, as required by the IIM.

1.5.2 Use of Safety Gadgets:

The contractor shall have to ensure availability and use of all desired safety gadgets like safety belts, helmets, goggles, hand gloves, gumboots etc.

1.5.3 First Aid:

The contractor shall provide first aid facilities for his employees and those of his sub-contractors. The requisite first aid box and medicines should always be available at work site.

1.5.4 Preservation of Peace:

The contractor shall take precautions to prevent any riotous or unlawful behavior by his workers, for the preservation of peace and protection of inhabitants and the security of property in the neighborhood of the work.

1.6 Details of Work Execution

- (i) The work shall be done in such a manner so as to clear work force availability for other agencies working at site.

- (ii) Finish of work shall be as per details given by IIM.
- (iii) In general the complete work is to be done as per Indian Standard and esthetical norms as specified and detailed in Tender.

1.7 Site

The site is located at IIM Lucknow, IIM Road, Lucknow. The contractor shall be responsible for accommodation of the manpower, the movement of his men, material and equipment at his own cost.

1.8 Contractor's Scope of Supply

All materials required for executing the jobs specified in the Bill of Quantities, inclusive of all tools, tackles, scaffolding, consumables and testing equipment's shall be procured and supplied by the contractor at his own cost except for any items specified as IIM supplied.

1.9 Liquidated damage charges

In case the contractor / successful bidder is not able to carry out the work in accordance with the scope of work mentioned in this document, the work will be carried out by IIML from the open market at the cost of the contractor/ successful bidder. The same will be deducted from the bill or performance security plus Rs. 1000/day of delay.

1.10 Handing Over of Plant

The plant (SPS, STP and TTU) shall be handed over to the contractor immediately on award of work order and submission of initial security deposit by contractor. The contractor must take over the plant (along with any stores items or spares existing in the Plant) from the owner in running condition within 15 (fifteen) days failing which the Contract is liable to be terminated. Within 15 days of taking charge of the plant the Contractor shall intimate the owner of any defects in the plant noted by him.

1.11 Recovery from the Contractor

- (i) If the contractor or his employees damage or destroy the property of the IIM, then the same shall be replaced / refunded by the contractor, otherwise the expenses may be recovered from his bill or security deposit.
- (ii) All compensation and recoveries to be made as per terms of the contract shall be deducted from the contractor's bill or security deposit.
- (iii) Forfeiture of Security Deposit: Whenever any claim against the contractor is to be recovered then the same may be made from the security deposit. If the contractor abandons the work or leaves the work incomplete, then the IIM has the right to forfeit the security deposit.
- (iv) The contractor will make fence around the area given for labour hutment to avoid unauthorized entry.

1.12 Service of Notice

All notices, consents, approval or other communication required to be given or served hereunder by either party hereto to the other party shall be in writing, and

in English and shall be personally delivered to, left at, sent by registered post, email, courier, speed post or facsimile by either party to the other at the addresses mentioned here in below. Both parties agree that the facsimile transmission will not be used as a sole method for the communication of important notices such as any modification or termination.

(i) THE DIRECTOR

**INDIAN INSTITUTE OF MANAMEMENT
PRABANDH NAGAR, IIM ROAD
LUCKNOW-226013**

(ii) Notice to the Tenderer at the Address mentioned in the Tender Document

STP MAINTENANCE SCHEDULE

1. Testing Of Sewage Treated Water

Collect the sample and get the same tested from the approved Lab by the Contractor once in a month during the contract period at his own cost and submit the report to IIM Lucknow. All tanks in STP area will be cleaned by the Contractor once in a month. All tools, materials and plants will be arranged by the Contractor himself.

2. Watch & Ward

The contractor shall maintain full-time watch and-ward and security of all machinery, buildings, stores and ancillaries within the battery limits.

3. Sewage Treatment Plant/ Sewage Pumping Stations (SPS) And TTU

a) Daily Routine

- 1) Check the pump assembly for vibration, noise and water leakage.
- 2) Cleaning of all equipment's.
- 3) Backwash of sand filters if pressure difference reaches.
- 4) Check water tanks water level.
- 5) Maintaining Logbook/Service Book and get it verified by the Officer in charge (Project Division) IIM Lucknow.

b) Monthly Routine

- 1) Carryout daily routine as stated above.
- 2) Check operation ability of system valves and repair if found defective.
- 3) Tight foundation bolts of all installations.

c) Annual Routine

- 1) Painting of pipe lines and pump assemblies and water tank doors including ventilation etc.
- 2) Maintaining of logbook/Service Book get it verified by the officer in charge (Project Division) IIM Lucknow.
- 3) Cleaning and desalting of all tank of STP (Once in a year or as and when required under intimation to the officer in charge (Project Division) IIM Lucknow.
- 4) Painting: of the STP /electrical panels / all piping / accessories / motors as required (ONCE IN A YEAR OR AS AND WHEN REQUIRED UNDER INTIMATION to the Officer in charge (Project Division) IIM Lucknow.
- 5) Cleaning of the outdoor premises of STP and painting of fencing (ONCE IN A YEAR OR AS AND WHEN REQUIRED UNDER INTIMATION to the Officer in charge (Project Division) IIM Lucknow.
- 6) Preventive maintenance of all the equipment's plant will be done once in year as mentioned Below:-
 - a. Checking of Housing Cover
 - b. Shaft welding turning
 - c. Change of Ball bearing of all the motor and gear box.
 - d. Change of Oil Seal
 - e. Change of rubber tyre coupling change
 - f. Change of Glen and glen dori
 - g. Change of Impeller (if required)

- h. Varnish of motor winding
 - i. Etc. & get it verified by the officer in charge (Project Division) IIM Lucknow
- 7) Removing of complete sludge & solid waste from sump well tank, get it verified by the officer in charge (Project Division) IIM Lucknow.

4. Process Monitoring

The contractor will do monthly test and monitor various process parameters of the STP (such as PH, DO, MLSS, SVI, etc.) at his own cost and responsibility. He shall ensure satisfactory operation of the STP based on such appropriate process.

5. Battery Limits

The battery limits shall include all items of the SPS, STP and TTU within and including the fenced area where they are located. However, Incoming sewage line up to the sump well of the SPS and Power connection up to the main control panel.

TECHNICAL SPECIFICATION OF STP, SPS & TTU

RELEVANT TECHNICAL DETAILS OF SEWAGE TREATMENT PLANT (S.T.P.), SEWAGE PUMPING STATION (S.P.S.) AND T.T.U.

- 1.1 Design Sewage Flow Rate : 0.40 MLD
- 1.2 Peak Factor : 2.0
- 1.3 Peak Hourly Flow Rate : 33.33 cum./hr.
- 1.4 Influent Pollutant Characteristics : pH = 6.5 to 7.5
Temp > 10 C
TSS = < 400 mg/1
BOD = < 440 mg/1
- 1.5 Treated Sewage Characteristics : pH = 6.5 to 8.5
TSS = < 100 mg/1
BOD = < 30 mg/1
- 1.6 **Description of Treatment Process:** Raw Sewage reaching the sump at Sewage Pumping station (SPS) shall be pumped to the Sewage Treatment Plant (STP). Two pumps (one working and one stand by) are provided at the SPS for this purpose. The Sewage is treated in the STP by Activated Sludge Process using Extended Aeration Principle. The Raw Sewage shall be first taken into the aeration tanks for biochemical degradation of organics. Thereafter it shall be led by gravity in to a secondary clarifier for clarification and sludge settling, before the treated water is discharged out of the STP. Settled active sludge shall be recycled back to the aeration tank to the extent required for optimal efficiency of treatment, while excess sludge shall be applied onto sludge drying beds for dewatering and drying.

1.7 **Specification of Main Civil Components of STP, SPS & TTU:**

S. No.	ITEM	NO. OF UNITS	SPECIFICATIONS
1.	Inlet Sump	One	RCC
2.	Pump House	One	BW & RCC
3.	Aeration Tanks	Two	RCC; 8.0m x 3.5m LD (+FB) each
4.	Secondary Clarifier	One	RCC; 6.8m x 2.5m SWD LD (+FB) each
5.	Sludge Drying Beds	Eight	BW & PCC; 4.0m x 3.0m each
6.	Flow Measuring Chamber	Nil	Not available
7.	Treated Water Tank	One	RCC; 5.5m x 3.5m x 2.3m depth.
8.	Filter Water Tank	One	RCC; 10.5 x 11.10 x 2.5 depth.
9.	Electrical Panel Room	One	BW & RCC; 4.0m x 4.0m x 3.0m ht.

1.8 **Specifications of Main Electrical & Mechanical Equipment of SPS, STP and TTU.**

S. No.	ITEM	NO. OF UNITS	SPECIFICATIONS
1.	Raw Sewage Pumps & control panel	Two	7.5 HP submersible pump set KSB make Model KRTUPF- 100-250/54
2.	Sludge Recycling Pumps	Two	Non-clog, horizontal, centrifugal, self-priming. Capacity: 22 cum/hr. Total Head: 16.5m WC Make: Kirloskar Motor: 3-Ph., squirrel-cage, induction, TEFC, 415V, SOHz, 3.0 HP, 2830 RPM.

3.	Filtrate Pumps	Two	Non-clog, horizontal, centrifugal, self-priming. Capacity: 16 cum/hr. Total Head: 11.5m WC Make: Kirloskar Motor: 3-Ph., single face, induction, 210V, 50 Hz, 1.0 HP, 2700 RPM.
4.	Dewatering Pump	One	Type: horizontal, centrifugal, mono-block. Capacity: 14.4 cum/hr. Total Head: 17.0 m WC Make: NDF Motor: Single phase, induction, 240V, 50 Hz, 2.0 HP, 2840 RPM.
5.	Surface Acrators	Two	Type: Low-speed, Fixed-type Motor: 3-Ph., squirrel-cage, induction, TEFC, 415V, 50 Hz, 7.5 HP, 1440 RPM. Crompton-Greaves make. Gear Box: Worm, 25:1 GRR Greaves make.
6.	Secondary Clarifier Scraper Mechanism	One	Type: Centrally-driven Motor: 3-Ph., squirrel-cage, induction, TEFC, 415V, 50 Hz, 1.0 HP, 1440 RPM. Crompton-Greaves make. Gear Box: Worm, 20,000:1 GRR (2-stage) Greaves make.
7.	Filter water Feeding Pump	Three	Type: KDS, 1537 + Motor 3-Ph, Induction motor, 50 Hz, 15 HP, 2855 RPM, Kirloskar
8.	Treated Water Feeding Pump	Three	Type: KDS, 1537 + Motor 3-Ph, Induction motor, 50 Hz, 15 HP, 2855 RPM, Kirloskar
9.	Chlorine Dozing Pump	One	Head: 5-10 meter Capacity: 12 liters per hour
10.	HDPE (PVC) Water Storage Tank	One	Capacity: 500 liters
11.	Main Electrical Panel	One	Floor-mounted, front-opening, cubicle-type. Range 0-500V with aluminum bus-bar, 6 Nos. MCVs-415//240V, 32A (HPL make), 125A Switch (HPL make), 3 Nos. 100A Fuses, 3 Nos. Phase Indicators, Star-Delta (7.5 KW)/DOL Starters, Overhead relays, SPPs, Contractors, HRC Fuses, Switchgear, etc.
12.	Remote Push – Button Stations	Lot	On-off type, provided for all electrically-driven equipment.
13.	Liquid Level Controllers	Two	High and Low-level controllers for automatic pump operation at SPS.
14.	Electrical Cabling	Lot (details to be specified)
15.	Piping & Valves	Lot (details to be specified)
16.	Instrumentation	Lot	Voltmeter & ammeter for each motor; pressure gauge for each pump.
17.	Electrical Accessories	Lot	Tube lights, bulbs, fans, etc. In electrical panel room, pump house and outdoor STP areas.

FINANCIAL BID

FINANCIAL BID

BILL OF QUANTITY

**COMPREHENSIVE A.M.C. INCLUDING OPERATION AND MAINTENANCE FOR 0.4 MLD
SEWAGE TREATMENT PLANT (S.T.P.), SEWAGE PUMPING STATION (S.P.S.) AND T.T.U. FOR
03 YEARS AT IIM, LUCKNOW**

S. No.	ITEM	UNIT	RATE PER QUARTER (3 MONTHS) RS.
1.	Comprehensive AMC including Operation & Maintenance of SPS, STP & TTU. (Including repair/ replacement of parts of electrical and mechanical items) in consultation with the Officer-Incharge of IIML. Round the clock for 24 hours un-interrupted with required no. of manpower (Operator & sweeper). Entire equipment installed in STP will be repair/replace & maintained by tenderer as per given in Para 1.6 Para 1.7 & Para1.8 in consultation with the Officer-Incharge of IIML	Per Quarter (3 months)	

Note:

- a. The bidder quoting lowest quarterly rate shall be declared as the Lowest Bidder subject to reasonability of rates. The Lowest bidder will be issued Letter of Intent / Work order after approval of the Competent Authority.
- b. The contractor is advised to survey the actual site for assessment of critical application, if any, & shall accordingly quote the rates. The site will be handed over to the successful bidder in the present condition and the successful bidder has to keep it operational and carry out the scope of work mentioned in this NIT.

Signature with seal of the Contractor