



भारतीय प्रबन्ध संस्थान, लखनऊ
INDIAN INSTITUTE OF MANAGEMENT LUCKNOW
Prabandh Nagar, IIM Road,
Lucknow – 226 013

Website: www.iiml.ac.in;

Contact Person :- Mr D. C. Goswami - 0522-6696924 E-mail:- goswami@iiml.ac.in

NOTICE INVITING TENDER No. – IIML/PURCHASE/STP/18/2019-20 dated 08/07/2019
FOR OPERATION AND PREVENTIVE MAINTENANCE AMC FOR 0.40 MLD SEWAGE TREATMENT PLANT
(STP), SEWAGE PUMPING STATIONS (SPS) AND TTU
OR
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.

TENDER NOTICE

Dear Sir,

E-Tender are invited from reputed agencies/service provider FOR OPERATION AND PREVENTIVE MAINTENANCE AMC FOR 0.40 MLD SEWAGE TREATMENT PLANT (STP), SEWAGE PUMPING STATIONS (SPS) AND TTU OR 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. AT IIM, LUCKNOW to submit their tender to quote your minimum rates on enclosed bill of quantity for both Operation and Preventive Maintenance as well as for Comprehensive Annual Maintenance as per enclosed annexure-III and IV. The general terms & conditions of service contract are also enclosed which has to be duly signed indicating acceptance by the tenderer:-

| | | |
|---|---|---|
| Earnest Money | : | Rs. 1,00,000/- (Rupees One Lakh Only) |
| Period of Contract | : | One Year |
| Date of issue of tender document | : | 08/07/2019 |
| Pre-bid Meeting | : | 17/07/2019 at 11:30 AM MEETING ROOM, INDIAN INSTITUTE OF MANAGEMENT LUCKNOW, Prabandh Nagar, IIM Road, Lucknow – 226 013 |
| Last Date of submission tender document | : | 29/07/2019 upto 12:30 PM |
| Date of opening of Technical Bid | : | 31/07/2019 at 3:00 PM |
| Date of starting of work | : | Within 15 days of Issue of LOI |

The tender should be submitted / uploaded through E-Tendering process i.e. on www.eprocure.gov.in only latest by 29/07/2019 upto 12:30 PM before due date and time while the original instrument of Earnest Money should be sent through speed post/registered post only before the due date.

Sd/ -

Officer on Special Duty

For Indian Institute of Management Lucknow

भारतीय प्रबंध संस्थान, लखनऊ

Indian Institute of Management Lucknow

Prabandh Nagar, IIM Road, Lucknow – 226013 (UP)

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**NOTICE INVITING E-TENDER FOR OPERATION AND PREVENTIVE MAINTENANCE AMC FOR 0.40 MLD
SEWAGE TREATMENT PLANT (STP), SEWAGE PUMPING STATIONS (SPS) AND TTU
OR**

**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. AT IIM, LUCKNOW**

Notice Inviting E-Tender **No. – IIML/PURCHASE/STP/18/2019-20 dated 08/07/2019** for Operation and Preventive Maintenance or comprehensive AMC for 0.40 MLD Sewage Treatment Plant (STP), Sewage Pumping Stations (SPS) and TTU with all associated items of Plant. Initially the period of contract will be one year with a provision to extend the contract for further period of upto four years on every two years basis subject to satisfactory working performance, on the same terms and conditions at the absolute discretion of IIM Lucknow

Only those bidders, whose Technical Bid (Annexure-II (Technical Evaluation Criteria)) are complete in all respects as will be considered for evaluation. Technically qualified bidders will be called for Presentation. Tenderer are advice to fill their rates in BOQ as per attached annexure-III (For Operation & Preventive Maintenance) & Annexure-IV (For Comprehensive AMC). Financial Bids (Annexure-III & Annexure IV) of only those bidders will be opened whose technical bid as well as presentation will be qualify as per evaluation criteria prescribed by the Institute.

The IIM Lucknow tender documents can be downloaded by the tenderers from the website: eprocure.gov.in Tenders received without EMD/inadequate EMD or EMD on wrong address shall be summarily rejected. Tenderers are advised to upload scanned image of EMD and send original EMD in a sealed envelope through SPEED POST, Courier Services to IIM Lucknow before the due date. The EMD sealed envelope shall marked the tender details. Indian Institute of Management Lucknow Campus reserves the right to accept or reject any or all the tenders without assigning any reason. E.M.D. of unsuccessful tenderer will be released after the award of work to successful tenderer.

Introduction (Definitions)

- a) The “IIM Lucknow” means Indian Institute of Management Lucknow.
- b) “Bidder” means the individual or agency who participates in this tender and submits its bid.
- c) Work Order means the order placed after issue of letter of intent by the IIM Lucknow to the agency signed.
- d) The Contract Price means consideration payable to the agency under the work order for the full and proper performance of its contractual obligations.

Validity Period of Bid

Bid shall remain valid for 120 days (One Hundred & Twenty Days) after the date of bid opening. The bid valid for a shorter period shall be rejected by the IIM Lucknow as non-responsive. In exceptional circumstances, the IIM Lucknow may request the consent of the bidder for an extension to the period of bid validity. A bidder accepting the request and granting extension will not be permitted to modify his bid.

Thanking you,

Yours faithfully,

Sd/-
Officer on Special Duty
For Indian Institute of Management

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TENDER No. – IIML/PURCHASE/STP/18/2019-20 dated 08/07/2019

TERM & CONDITIONS OF CONTRACT

Place of Operation and Maintenance

Indian Institute of Management Lucknow Prabandh Nagar, IIM Road, Lucknow – 226013 (UP).

Payment Terms

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.

Performance Security

The successful bidder's EMD will be discharged upon the bidder's submission of the performance Security. The Contractor shall deposit 10% of the annual work value along with the acceptance of contractor as security in the form of DD/FDR in favor of Indian Institute of Management Lucknow and this will be refunded after the contract has been terminated or ended. In case of deficiency in service specifically pointed out by the Institute to the contractor, appropriate penalty will be levied by Director, IIML and will be adjusted against future bills and /or security deposit. The validity of the Demand Draft/FDR should be beyond 60 days of contract period.

If the firm is registered with NSIC then he may be exempted from depositing EMD but in case of awarding the order the vendor has to deposit Performance Security deposit .

Period of Contract

Initially the period of contract will be one year with a provision to extend the contract for further period of four years on every two years basis subject to satisfactory working performance, on the same terms and conditions at the absolute discretion of IIM Lucknow

Disclaimer Clause

IIM Lucknow has the discretion and right at any stage to cancel/add or amend the information, terms, procedure and protocol set out in the RFP/RFQ and the bidder has no claims against such right. The Institute has unfettered right hereunder to terminate the arrangements at any time without assigning any reason whatsoever. The jurisdiction for dispute (s), if any, shall be Lucknow.

Penalty

Any lapse is found during operation and preventive maintenance and comprehensive annual maintenance contract than a penalty of Rs.1000/- (Rupees One Thousand only) per day will be

imposed. If the work is not completed the same may be done through outside agency and charges will be deducted from the running bill.

Pre –Bid Inspection/ Survey

The bidder may inspect the conditions & performances of 0.40 MLD Sewage Treatment Plant (STP), Sewage Pumping Stations (SPS) and TTU with all associated items of Plant shall be taken over by the agency for operation. The rates may be assessed accordingly.

Period of Operation

Operation and preventive maintenance of 0.40 MLD Sewage Treatment Plant (STP), Sewage Pumping Stations (SPS) and TTU with all associated items of Plant shall be operated as per the schedule given in the **Annexure – I**.

Deployment of Staff

The agency should be well experienced in the field of operation and preventive maintenance and comprehensive annual 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.

No labour below the age of 18 (Eighteen) years and not above the age of 55 years shall be employed at the work site.

The agency shall pay to labor employed by him wages not less than fair wages as defined by the Minimum Wages Act (Shops & Establishment) Central or State whichever is higher during the contract period by the agency regulations or as per the provision of the contract labor (Regulation and Abolitions) Act 1970 and the agency labour (Regulation and Abolitions) Act 1971 and payment of wages 1936, minimum wages act 1948, whichever applicable.

Labour Law

The agency shall abide by all the rules and regulations related to labour laws, accident, workman compensation act, workmen insurance, ESI, PF, Bonus etc. This will be the sole responsibility of the agency. IIM Lucknow will not be a party at any stage in any of the disputes relating to the above. In case, any liability arises due to non-conformance by the agency, under no circumstances IIM Lucknow will be liable for the same.

Termination of Contract

IIM Lucknow reserves the right to terminate the contract with an advance notice of **three** months without assigning any reason. The contract can also be terminated at the request of agency, with an advance notice of three months falling which, the agency is liable to pay liquidated damages @ 5% of tendered value besides forfeiture of security deposit.

General Line

Whenever under this contract any sum of money is recoverable from and payable by the agency, the IIM Lucknow shall be entitled to recover such sum by appropriating in part or in whole the security deposit of the agency, if a security is taken from the agency, in the event of the security being insufficient or if no security has been taken from the agency, the balance or the total sum recoverable, as may be, shall be deducted from any sum due to the agency or which at any time thereafter may become due the cover the full amount recoverable, the agency shall pay the IIM Lucknow on demand the remaining balance due.

Sub –Contracting

The bidder cannot assign or transfer and sub-contract its interest/ obligations/ awarded work under the contract without prior written permission of the IIM Lucknow.

Arbitration

In the event of any dispute arising between IIM Lucknow and the agency in any matter covered by this contract or arising directly or indirectly there from or connected or concerned with the said contract, the matter shall be referred to the Director, IIML who may himself act as sole arbitrator or may name as sole arbitrator an officer of IIML notwithstanding the fact that such officer has been directly or indirectly associated with this contract and the provisions of the Indian Arbitration Act shall apply to such arbitration . In case any agency wants to take the dispute to a court of law after arbitration award as aforesaid, it is clearly understood that only courts in Lucknow shall have the Jurisdiction.

Resolution of Dispute

If any dispute arises between the parties hereto in connection with the validity, interpretation, implementation breach of any provision of the contract or regarding a question, including the questions as to whether the termination if the contract by one party hereto has been legitimate, both parties hereto shall endeavor to settle such disputes amicably.

The attempt to bring an amicable settlement is considered to have failed as soon as one of the parties hereto, after, reasonable – attempts which shall continue for not less than 30 days, gives 15 day notice thereof to the other party in writing.

Termination for Default

The IIM Lucknow may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the agency terminate this contract in whole or in part.

- a) If the agency fails to deliver 50% of the agreed services or more within the time period(s) specified 15 days as or any extension thereof granted by the IIM Lucknow.
- b) If the agency fails to perform any other conditions under the contract.

- c) If the agency, in either of the above circumstances, does not remedy his failure within a period of 15 days (or such longer period as the IIM Lucknow may authorize in writing) after receipt of the default notice from the IIM Lucknow.
- d) On a notice period of 30 days.

In the event the IIM Lucknow can terminate the contract in whole or in part pursuant to above Para the IIM Lucknow may hire the agency at the risk and cost of working under contract, as IIM Lucknow deems appropriate. However, the agency shall continue the performance of the contract to the extent not terminated.

Right to Black List

IIM Lucknow reserves the right to blacklist a bidder for a suitable period in case he fails to honor his bid without sufficient grounds.

Stationary items is use.

Log book and complaint books all stationary like registers, sheets, markers, pens, pencils, pens, cleaning cloth and grease etc. will be supplied by agency and no extra payment towards for these shall be made.

Scope of Work

Scope of Work for "Operation and Maintenance of 0.40 MLD STP based on SAFF technology 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. In addition, cleaning and lubrication of moving machinery shall be done by the contractor once every six months including labour & material complete (Record to be maintained of Routine & Preventive maintenance by contractor) as instructed by 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) It is the sole responsibility of the tenderer (Service provider) to get clearance from U.P. State Pollution control Board, if it is necessary and required by IIM Lucknow during the contract period.

- 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 by the IIM Lucknow.
- h) If any parts of the STP found defective and necessary for the STP that has to be arranged by the contractor for that the payment will be made extra by the IIM Lucknow on presentation of Bill, for which prior approval has to be taken from IIM by the contractor.
- i) 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.
- j) 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.
- k) The dispute, if any, will be referred to the Director, IIM, and his decision will be final and binding.
- l) 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.

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 IIMLucknow and all the spares parts and materials which are necessary for operation of the STP & TTU will be provided by the tenderer.

Prices and Escalation

Quoted rates shall remain invariable to the last days of the contract period in which the price was quoted.

Payments

The contractor shall raise quarterly bills in specified format and submit the same to the Engineer-in-Charge, payment against bills shall be made to contractor within one month after deduction of taxes applicable.

Termination/Extension of Contract

Initially the period of contract will be awarded for one year with a provision to extend the contract for further period of upto four year on every two years basis subject to satisfactory working performance on the same term and condition at the absolute discretion of IIM Lucknow. However, both the Institute and the contractor shall have the right to end the contract by serving three months' notice in advance, failing which, the agency is liable to pay liquidated damages @ 5% of tendered value besides forfeiture of security deposit. In addition, if the contractor 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.

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.

Completion Certificate

On satisfactory completion of every one year of the contract period, the engineer-in-charge shall issue a completion certificate to the contractor specifying the type and value of the work executed by the contractor. A comprehensive completion certificate shall be issued only after completion of the entire contract period.

Other Conditions

1. *GST, any other tax or Octroi in respect of this contract shall be payable by the contractor.*
2. The contractor shall be responsible for all-statutory provisions and deductions towards ESI, PF or any other, as the case may be or any other levies and taxes shall be borne by the contractor.
3. While all specialized tools/ plants/ instruments required for the preventive maintenance is included, Any material required for repair/ replacement of any items is not included, for which additional payment will be made after verifying the rate.
4. **Relaxation will be as per Govt. of India norms to NSIC/MSME registered firm.**
5. **Incase two or more firms are quoting same basic rate will be finally evaluated on the basis for highest annual turnover, feedback by clients and presentation.**

Annexure-I

NIT NO. – IIML/PURCHASE/STP/18/2019-20 dated 08/07/2019

OPERATION AND PREVENTIVE 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 pipelines 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 inside fenced area of STP Plant** 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 six month as mentioned in scope of work Para-'b'
- 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 (**Inside fenced area of STP Plant**).

6. Chemicals for Chlorination:

In case of Preventive Maintenance Operation and Maintenance the institute will provide the chemical for chlorination.

In case of Comprehensive Operation & Maintenance the chemical for chlorination will be provided by the contractor.



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NIT No.– IIML/PURCHASE/STP/18/2019-20 dated 08/07/2019

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, 50Hz, 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: single Phase, 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. | Electrical Panel | All | 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. |



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NIT No. – IIML/PURCHASE/STP/18/2019-20 dated 08/07/2019

Technical Evaluation Criteria (Annexure-II)

Notice Inviting Tender for Operation and Maintenance AMC for 0.40 MLD Sewage Treatment Plant (STP), Sewage Pumping Stations (SPS) and TTU with all associated items of Plant. Initially the period of contract will be one year with a provision to extend the contract for further period of upto four years on every two years basis subject to satisfactory working performance, on the same terms and conditions at the absolute discretion of IIM Lucknow

| Sr No. | Particulars | Credential Criteria of Firm |
|--------|--|-----------------------------|
| 1 | Name of the firm & Address | |
| 2 | GST Registration No. of the firm/Agency (Enclose copy) : | |
| 3 | Contact No. and Email-ID | |
| 4 | Registration No. of the firm/Agency (Enclose copy) : | |
| 5 | Constitution of the Contract or/ Proprietorship/ Partnership/Private Limited Company/ Public Limited Company (enclose copy). | |
| 6 | Copy of IT returns of last Three Financial years (Enclose copy) | |
| 7 | Experience of the firm of last 3 years in the field of providing such services. Attach a list of clients | |
| 8 | Permanent Account No. | |
| 9 | Annual Gross Turnover of the firm in last three years (Minimum Rs.20,00,000/- (Rupees Twenty Lac only). | |

| | | |
|----|---|--|
| 10 | Details of EMD/ Bank Draft No. | |
| 11 | Valid Labour License Number of agency/Firm. | |
| 12 | Valid EPF and ESI registration number. | |

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

NOTE:-

Incase two or more firms are quoting same basic rate will be finally evaluated on the basis for highest annual turnover, feedback by clients and presentation.

The Technical Bid should contain the followings documents:-

- a) Self-Attested photocopy of GST Number
- b) Self-Attested photocopy of Complete Address of the Company
- c) Self-Attested photocopy of PAN Card
- d) Self-Attested photocopy of Company Profile
- e) Self-Attested photocopy of Year of commencement of Business
- f) Self-Attested photocopy of List of Clients
- g) Self-Attested photocopy of Experience Certificate of similar work of the firm of last 3 years
- h) Self-Attested photocopy of Annual Gross Turnover of the firm in last three years (Minimum Rs.20,00,000/- Rupees Twenty Lac only). Copy of IT Returns of last three years
- i) Self-Attested photocopy of valid Labour License Number of agency/Firm.
- j) Self-Attested photocopy of valid EPF and also ESI registration number.
- k) Self-Attested photocopy of ISO Certificate (if any)
- l) An EMD in shape of demand draft amounting to Rs. 1,00,000/- (Rupees One Lac only) drawn in favor of Indian Institute of Management Lucknow Prabandh Nagar, IIM Road, Lucknow – 226013 (UP).
- m) In case of relaxation, valid NSIC/MSME Certificate.



भारतीय प्रबंध संस्थान, लखनऊ
Indian Institute of Management Lucknow
Prabandh Nagar, IIM Road, Lucknow – 226013 (UP).
Website: www.iiml.ac.in

Annexure-III

BILL OF QUANTITIES

NIT No.– IIML/PURCHASE/STP/18/2019-20 dated 08/07/2019

Price Bid - Preventive Maintenance & Monitoring of SPS, STP & TTU

| S.No. | ITEM | UNIT | QTY. | RATE PER UNIT Rs. | RATE PER UNIT IN WORDS Rs. | TOTAL AMOUNT Rs. |
|-------|---|-----------|------|----------------------|-------------------------------|------------------------|
| 1. | Operation, Preventive Maintenance & Monitoring of SPS, STP & TTU (excluding repair/ replacement of parts of electrical and mechanical items). Round the clock for 24 hours un-interrupted with required no. of manpower (Operator & sweeper). Plant to be maintained as per detail mentioned in "Scope of Work" in Terms & Conditions & Operation and Maintenance Schedule of tender document | Per Month | | | | |
| | | | | | TOTAL | |
| | | | | | CGST@ | |
| | | | | | SGST@ | |
| | | | | | G TOTAL | |

NOTE:-

Incase two or more firms are quoting same basic rate will be finally evaluated on the basis for highest annual turnover, feedback by clients and presentation.

(Signature with seal of firm)

भारतीय प्रबंध संस्थान, लखनऊ
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 Prabandh Nagar, IIM Road, Lucknow – 226013 (UP).
 Website: www.iiml.ac.in

Annexure-IV

BILL OF QUANTITIES

NIT No.– IIML/PURCHASE/STP/18/2019-20 dated 08/07/2019

PRICE BID - COMPREHENSIVE A.M.C. INCLUDING OPERATION AND MAINTENANCE

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. AT IIM, LUCKNOW

| S. No. | ITEM | UNIT | QT Y. | RATE PER UNIT Rs. | RATE PER UNIT IN WORDS Rs. | TOTAL AMOUNT 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 inside fenced area of STP plant will be repair/replace & maintained by tenderer as per given in Para 1.6 Para 1.7 & Para1.8, as per detail mentioned in "Scope of Work" in Terms & Conditions & Operation and Maintenance Schedule of tender document in consultation with the Officer-Incharge of IIM Lucknow and all the spares parts and materials which are necessary for operation of the STP & TTU will be provided by the tenderer | Per Month | | | | |
| | | | | | TOTAL | |
| | | | | | CGST@ | |
| | | | | | SGST@ | |
| | | | | | G TOTAL | |

NOTE:-

Incase two or more firms are quoting same basic rate will be finally evaluated on the basis for highest annual turnover, feedback by clients and presentation.

(Signature with seal of firm)