



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली
(मानव संसाधन विका मंत्रालय का एक स्वायत्त संस्थान, भारत सरकार के अधीन)
सैक्टर-81, नॉलेज सिटी, पो.ओ. मनौली, एस.ए.एस. नगर, मोहाली] पंजाब-140306



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI
(Estd. By Ministry of Human Resource Development, Govt. of India)
Sector – 81, Knowledge City, P.O. Manauli, S.A.S. Nagar, Mohali, Punjab -140306

Executive Engineer cum Estate Officer
email: iwd@iisermohali.ac.in

Telefax No. : 0172-2240110

Tender Ref. No.: IISER/21-22/EE-EO/AMC/04

Date: 18.05.2021

Notice Inviting Tender

1. The Executive Engineer on behalf of the Director, IISER Mohali, invites online bids under two bid system i.e. technical bid and financial bid through E- Central Public Procurement Portal i.e. <https://eprocure.gov.in/eprocure/app> from eligible contractor for the work mentioned below.

Name of work:- Annual Maintenance of Modular STP's at IISER Mohali.

Tender Ref No : IISER/21-22/EE-EO/CAMC/04
Estimated cost : INR 8,40,537.00/-
Earnest Money : INR 16,900.00/-
Stipulated period of work : Twelve (12) months & extendable.

Critical Date Section

S. No	Particular	Date	Time
1.	Tender publishing date and time	18.05.2021	06:55 PM
2.	Tender documents download start date and time	18.05.2021	06:55 PM
3.	Bid submission start date and time	18.05.2021	06:55 PM
4.	Bid submission end date and time	27.05.2021	03:00 PM
5.	Technical bid opening date and time	28.05.2021	03:05PM

1. Tender document may be downloaded from the website of E-Central Public Procurement portal (<https://eprocure.gov.in/eprocure/app>) and www.iisermohali.ac.in . Tender should be submitted online along with valid documents of eligibility criteria within the date mentioned above.

2. The Director, IISER Mohali shall be the “Accepting Authority” hereinafter referred to as such for the purpose of this contract.

3. For any information, other modifications and/or corrigendum may kindly visit IISER Mohali website <http://www.iisermohali.ac.in> and also publish on <https://eprocure.gov.in/eprocure/app>.

SUBMISSION OF TENDER:

Tender shall be submitted by the Bidders in two parts:

(i) Technical Bid. – Cover I (ii) Financial Bid. - Cover II

The two bid system will be followed for this tender. In this system the bidder must submit bid **on line at E-Procurement Portal(i.e. <https://eprocure.gov.in/eprocure/app>)** his offer in two covers. "**Cover No. 1- Technical Bid along with requisite fee details and all forms under seal and signature of Bidder**" mentioned below and "**Cover No.2 - Financial Bid**" respectively.

The **Cove I** (Technical Bid) shall consist of following:

- i) **Earnest Money** -The bidder shall furnish as part of its bid, an EMD of Rs.16,900/- (Rupees sixteen thousand and nine hundred only). The EMD is to be submitted through Demand Draft of any Scheduled / Nationalized Bank (drawn in favour of “Registrar, IISER, Mohali”).

Note:

Bidder should to be fill AMC rate in BOQ-1 and Repair/Maintenance rates during AMC in BOQ-2 with inclusive of GST.



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(Established by Ministry of Human Resource Development, Govt. of India)
IISER Mohali, Sector-81, Knowledge City, SAS Nagar-140306

Executive Engineer cum Estate Officer

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IISER/21-22/EE-EO/AMC/04

Date: 18.05.2021

The original payment instrument like Demand Draft of any Nationalized Bank against Earnest Money and Cost of Tender Form sent to the address- **IISER Mohali, Sector-81, knowledge City, PO- Manauli, SAS Nagar Mohali140306, Punjab** by post/speed post/courier/by hand before bid opening date & time

iii) **Important Documents uploads in .pdf format only:-**

- a) Scanned copy of DD of EMD. MSME certificate has to be relevant to the work.
- b) Scanned copy of IT Return for the last three financial years.
- c) Scanned copy of work experience in Govt. Department
- d) Scanned copy of partnership deed
- e) Scanned copy of Power of Attorney
- f) Scanned copy of Tender Accept Letter- **Annexure-A**

The Cover II (Financial Bid) shall consist of following:

- * Schedule of price bid of in the form of BoQ_XXXXX.xls (Will be formulated according to the type of work)

-sd/-
Executive Engineer
Head IWD, IISER Mohali

Annual Maintenance of Modular STP's at IISER Mohali

You are, requested, to upload your most competitive offer, strictly in e-bidding system (Envelope-1 Technical bid & Envelope-2 price bid) for Annual Maintenance of modular STP's at IISER Mohali along with the documents entailing list of similar completed works. Average annual turnover in last three years, EMD for Rs.16,900/- favoring Registrar IISER Mohali, payable at Mohali, latest by 27.05.2021. at 03:00 PM. In case of any clarifications, please contact this office on any working day between 9AM to 5.30PM.

GENERAL CONDITIONS:

The eligibility criteria for undertaking the work will be as follows:

1. Proof of having completion with Central/State Government, Autonomous Body, Central PSU's. Definite Proof from appropriate authority, which shall be to the satisfaction of the competent authority of the Institute having satisfactory provided during last seven years ending March 2021 for works as given hereunder:- a). Three similar works each of value not less than Rs.3.36 Lakh or (b). Two similar work having value not less than Rs.4.20 Lakh, or Three similar work having value not less than Rs.6.72 Lakh. **(Similar work means Repair & Maintenance of STP/ETP including electro-mechanical equipments).**
2. The Agency should also submit a copy of the partnership deed if any and power of attorney duly Attested and countersigned by the agency at the time of application.
3. Proof of average annual gross financial turnover (50% of estimated Cost i.e.4.20 Lakh) during last three Financial Year duly certified by Chartered Accountant.
4. Tenders to be downloaded from web site www.iisermohali.ac.in / www.eprocure.gov.in
5. The amount of earnest money may be deposited in the shape of deposit at call receipt of any scheduled bank payable at Mohali in the name of the Registrar, IISER Mohali. MSME certificate if submitted, must be relevant to the work.
6. The committee on the behalf of Director, IISER-M reserves the right to accept/reject any or all the tenders without assigning any reasons.
7. All disputes concerning in any way with this tender are subjected to Mohali Court Jurisdiction only.
8. Integrity pact as per attached.
9. The annual maintenance contract rates will be same for one year which can be extended for a further period of two years (1+1) on satisfactory performance by the agency and as mutually agreed.

HOW TO APPLY & SELECTION CRITERIA

The e-Tender shall be received by the undersigned by 1500 hrs o 27.05.2021. (27.05.2021 day of May 2021) and Envelope No.1 only containing earnest money, conditions and Tender documents along with the documents as required at Sr. No. 1 shall be opened on the next working day, IISER-Mohali, at 1505 hrs. No consideration will be given to a Tender received after the above stipulated time and date. Eligibility related documents shall be evaluated for criteria stipulated (at Sr No 1 of General Conditions and agency will accordingly be qualified / disqualified by the Competent Authority. The financial bid (Envelope No2) of qualified bidder shall then be opened at notified time, date and place in presence of bidder or their representative. The rates of each items must be quoted in figures and words. Tender not submitted in the manner as prescribed above shall summarily be rejected.

Terms & Conditions

1. The samples for the raw water and treated water shall be tested twice in a year for the parameter in accordance with the Govt. notification for which IISER will provide the list for the parameters vis-a-vis pH, BOD, COD, Fecal coliforms, residual chlorine, etc to be tested.
2. Engineer of the agency shall visit the plant twice in a month for regular Check-up of the plant as per parts / component indicated in **Annx-B & Annx-C**. In case, if additional visit is required, the same shall be undertaken without any additional cost. During visit, your engineer will train our operator for proper operation of the STP.
3. Agency shall take care of plant, in so far as Audit of plant in concerned.
4. Agency shall liaison with OEP for the supply of bacterial media, if required. The cost for media shall however, be reimbursed/arranged by the IISER.
5. Minor consumables such as Glands, Filters for Air blower, Control wiring and grease will be provided by you free of cost.
6. Cleaning of equalization tank and grid chamber of dimension as mentioned in BOQ twice in a year
7. Epoxy painting to the outer MS surface of package unit including sludge bed and synthetic enamel paint to piping.
8. Preventive maintenance of:-
 - a. Pumps
 - b. Blower and Electrical Motors
 - c. Pressure Sand Filter & Activated Carbon Filter.
 - d. Control Panel including wiring and energy meter.
 - e. Supervision over cleaning of all pipes & sludge drying beds.
 - f. To solve problem of foaming, if appears.
 - g. Leakages in pipes
 - h. Leakages in water meter, etc.
 - i. Painting to all MS pipe with synthetic enamel paint including supports/ canopy/ manhole covers
9. The agency will comply with-all statutory requirements in respect of the work.
10. The agency will be responsible for the safety of labourers deployed by him for undertaking maintenance at the site. IISER shall not be responsible for the same.
11. Agency shall comply with all the COVID-19 norms issued by MHA.

12. Service Engineer during the visit will report on the performance or any other abnormality observed in operation of plant and inform parts requirement shall also submit the report on work done and recommendations as well as spare parts offers to concern authority for procurement.
13. The agency will provide minimum twelve (12) free services in a year.
14. The agency shall attend unlimited breakdown calls in between routine service calls immediately on receipt of breakdown calls free of cost.
15. The agency shall engage one qualified service engineer to supervise the AMC on monthly regular basis, including any breakdown, fault, operating problem to machines, etc failing which penalty @ 4,000/- per month shall be levied.
16. The undersigned for and on behalf of the Director, IISER Mohali reserves the right to reject, amend or alter this order without assigning any reason.

Payment:

1. AMC charges will be payable quarterly with deduction of 5% amount as security deposit from each running bill which will be released after successful completion of AMC period and payment of final.
2. Payments to be made after satisfaction completion of maintenance and certification by Engineer in Charge.

Duration of contract:

The annual maintenance contract rates will be same for one year which can be extended for further a period of two years (1+1) upon satisfactory performance by the agency and mutual consent on same rates and terms & conditions.

Termination: The AMC can be terminated if agreed by both parties or at the expiry of the period of the agreement.

FORCE MAJEURE

Contractor shall be liable to perform of its obligations under or arising out of this contract if, such failure does not results from any force major, act of God, fire, industrial disputes, labour trouble, transportation embargo, existence of any state of Emergency, war, war like conditions, civil commotion, riot, inability to obtain any material, imposition of sanction and / or any measures taken by the Govt. what so ever which rendered it impossible or impracticable for the contractor to perform obligations under this contract.

-sd/-
Executive Engineer

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,
Executive Engineer
IISER Mohali

Sub: Acceptance of Terms and Conditions of Tender.

Tender Reference No.: IISER/21-22/EE-EO/AMC/04

Name of Tender/Work:- Annual Maintenance of modular STP's at IISER Mohali

Dear Sir

1. I/We have downloaded/obtain the tender documents(s) from the above mentioned Tender/Work from the website(s) namely:
as per your advertisement, given in the above mentioned website(s).
2. I/We hereby certify that I/We had read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc.) which form part of the contract agreement and I/We shall abide hereby by the terms/conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/organization too have also been taken into consideration, while submitting the acceptance letter.
4. I/ We hereby unconditionally accept the tender conditions of above mentioned tender document(s) in its totality/entirety.
5. In case any provision of this tender are found violated, then your department/organization shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the bidder, with official seal)

LIST OF MACHANICAL & ELECTRICAL WORKS FOR 80KLD PACKAGED STP

MACHANICAL			
Description	Make / Type	Specifications	Quantity
Bar Screen in SS construction	Coarse Bar	Coarse Screen SS-316	One No.
Submersible Sewage Transfer Pumps	Grundfos/ Kirloskar/KSB	Flowrate: 3.75 M ³ /hr to 5 M ³ /hr. Head: 10m to 15m. Phase: 3 Phase, Power: 1 Kw, Type: Submersible.	Two Nos (1W+1S)
Air Blower	Everest/Kay International /Usha	Airflow: 140 M ³ /hr, Type: Twinlobe, Pressure: 0.35 Kg/ Cm ² , RPM: 1500, Fluid Handled: Air	Two Nos (1W+1S)
Motor for Blower	Kirloskar/ Seimens/ ABB/ NGEF	Power: 5HP, Squirrel Cage Induction Motor, Foot Mounted, Phase: 3 Phase.	Two Nos (1W+1S)
Diffuser	OTT/ Rehaue (Germany)	Type: Tube, Membrane: Silicon, Size: 63 mm X 1000 mm, Ear Clamp: SS304	One Lot
Eco Bio Carrier Media	Surface area min. 500 m ² /m ³	Make: Aqurise/Anose Kaldness/ Small Boss	Required Quantity
Tube Settler	In House	FRP Baffle Tray in House with Media -- Hunters Germany	One Lot
Filter Feed Pumps	Grundfos/ kirloskar	Flowrate: 3.75 M ³ /hr to 5 M ³ /hr. Head: 20m to 25m, Phase: 3 Phase, Power: 1.5Kw, Type: Monobloc	Two Nos (1W+1S)
Pressure sand filter with valves and media	Pentair/ Aventura	Type: Vertical, MOC: FRP, Type of media: Pebbles, Coarse sand and fine sand.	One No.
Activated carbon filter valves and media	Pentair/Aventura	Type: Vertical, MOC: FRP, Type of media: Activated Carbon	One No.
Electro Magnetic Flow Meter	Forbes/Marshall/ Endress Hauser	Flowrate: 2000 LPH to 50000 LPH	One No.
Interconnecting Piping, Valves & fittings	TATA/Jindal/Astar	PVC, CPVC, MS, GI, SS	One Lot
Electrical Control panel with cables	ABB/ L&T	In House	One No.
UV Sterilizer	Goodwin India/Grundfos/ Philips/Good Life	UV Bulbs Quartz: 39 Watts, No. of Bulbs: 3, Flowrate: 3500 LPH, MOC: SS307	One No.
Package Plant	MSFRP/ In House	MS Thickness: 6mm, FRP: 2.5mm, Paint: 2 Coats of epoxy paint, Port: MS Coupling required numbers.	One No.
Sludge Bag Filter	Techno Fungi/Eco-P	SS	One No.
Sludge Recirculation Pump	Kirloskar	3m ³ /hr, Head – 10 m	One No.
Aeration Grid for Equalization Tank	Tata/Jindal	MSEP	One lot
Coarse Diffuser	OTT/Rehaue	EPDM/Siilicon	One lot
Air Grid for Bio Carrier	Tata/Jindal	MSEP	One lot
Filter Feed Tank	Syntax/Diplast	Capacity 2000 lt.	One no.
Pressure Guage	H. Guru	At Air Blowers and Pumps	As required
Level switches	Minilee	Inside tanks	As required

Note : The above list is only indicative. Any other component or system required to make the plant completely operational should be indicated by the supplier and included in the quotation.

LIST OF MACHANICAL & ELECTRICAL PARTS FOR 75 KLD PACKAGED STP

MACHANICAL			
Description	Make / Type	Specifications	Quantity
Bar Screen in SS construction	Coarse Bar	Coarse Screen SS-316	One No.
Submersible Sewage Transfer Pumps	Grundfos/ Kirloskar/KSB	Flowrate: 3.75 M ³ /hr to 5 M ³ /hr. Head: 10m to 15m. Phase: 3 Phase, Power: 1 Kw, Type: Submersible.	Two Nos (1W+1S)
Air Blower	Everest/Kay International /Usha	Airflow: 140 M ³ /hr, Type: Twinlobe, Pressure: 0.35 Kg/ Cm ² , RPM: 1500, Fluid Handled: Air	Two Nos (1W+1S)
Motor for Blower	Kirloskar/ Seimens/ ABB/ NGEF	Power: 5HP, Squirrel Cage Induction Motor, Foot Mounted, Phase: 3 Phase.	Two Nos (1W+1S)
Diffuser	OTT/ Rehaue (Germany)	Type: Tube, Membrane:Silicon, Size: 63 mm X 1000 mm, Ear Clamp: SS304	One Lot
Eco Bio Carrier Media	Surface area min. 500 m ² /m ³	Make: Aqurise/Anose Kaldness/ Small Boss	Required Quantity
Tube Settler	In House	FRP Baffle Tray in House with Media – Hunters Germany	One Lot
Filter Feed Pumps	Kirloskar	Model-KDS235+, Flowrate: 3.75 M ³ /hr to 5 M ³ /hr. Head: 20m to 25m, Phase: 3 Phase, Power: 1.5/2.0 Kw, 2800 RPM, Type: Monobloc	Two Nos (1W+1S)
Pressure sand filter with valves and media	Pentair/ Aventura	Type: Vertical, MOC: FRP, Type of media: Pebbles, Coarse sand and fine sand.	One No.
Activated carbon filter valves and media	Pentair/Aventura	Type: Vertical, MOC: FRP, Type of media: Activated Carbon	One No.
Electro Magnetic Flow Meter	Forbes/Marshall/ Endress Hauser	Flowrate: 2000 LPH to 50000 LPH	One No.
Interconnecting Piping, Valves & fittings	TATA/Jindal/Astar	PVC, CPVC, MS, GI, SS	One Lot
Electrical Control panel with cables	ABB/ L&T	In House	One No.
UV Sterilizer	Goodwin India/Grundfos/ Philips/Good Life	UV Bulbs Quartz: 39 Watts, No. of Bulbs: 3, Flowrate: 3500 LPH, MOC: SS307	One No.
Package Plant	MSFRP/ In House	MS Thickness: 6mm, FRP: 2.5mm, Paint: 2 Coats of epoxy paint, Port: MS Coupling required numbers.	One No.
Sludge Bag Filter	Techno Fungi/Eco-P	SS	One No.
Sludge Recirculation Pump	Kirloskar	3m ³ /hr, Head – 10 m	One No.
Aeration Grid for Equalization Tank	Tata/Jindal	MSEP	One lot
Coarse Diffuser	OTT/Rehaue	EPDM/Silicon	One lot
Air Grid for Bio Carrier	Tata/Jindal	MSEP	One lot
Filter Feed Tank	Syntax/Diplast	Capacity 2000 lt.	One no.
Pressure Guage	H. Guru	At Air Blowers and Pumps	As required
Level switches	Minilee	Inside tanks	As required