



IIT PALAKKAD

Indian Institute of Technology Palakkad
भारतीय प्रौद्योगिकी संस्थान पालक्काड
Nurturing Minds For a Better World

Notice Inviting Tender

**Operation of Water Treatment Plant, Sewage Treatment Plant, Fire Fighting
and Water Supply Pumps at Sahyadri Campus, IIT Palakkad.**

S. No.	Events	Date and Time
1	Notice Inviting BID (NIT) No.	17/IITPKD/EWD/ELE/2024-25/037
2	Date of Publication	06-12-2024
3	Date / Time of closing	20-12-2024, 1500 hrs
4	Opening of Eligibility/Technical Bids	20-12-2024, 1530 hrs
5	Estimated Cost put to bid	Rs.73,80,411/-
6	Earnest Money Deposit (EMD)	Rs.1,47,608/-

1. GENERAL

- 1.1. Indian Institute of Technology Palakkad (hereinafter called "IITPKD") invites online Tenders under **Two-Bid** System as per the specifications given in Annexure-I.
- 1.2. The tender documents may be downloaded from <https://mhrd.euniwizarde.com/>. Last date/time for submission of the bids in ONLINE mode is **20.12.2024, 1500 hours**. The bids will be opened by the duly constituted Committee or The Chairman, Engineering Works Department, through online mode. The eligibility/technical bid bids will be opened and examined by a technical committee or Engineering Works Department, which will decide the suitability of the bid as per the specifications and requirements of IITPKD. Only those who qualify in the eligibility/technical bid evaluation will be graduated to the opening of financial bids. In case of any holiday or unforeseen closure of the institute on the scheduled day of opening of the bids, the bids will be opened on the next working day at the same time, but the deadline for submission of bids remains the same as indicated above.
- 1.3. The bids shall be submitted online in MHRD Portal (<http://mhrd.euniwizarde.in/>). For the purpose of registration and clarification please open the website and see the [\(http://mhrd.euniwizarde.in/](http://mhrd.euniwizarde.in/) or call the help desk given in the same.
- 1.4. The responsibility of submission of the bids on or before the last date shall rest with the tenderer.
- 1.5. Canvassing or offering of an advantage or any other inducement by any person with a view to influencing acceptance of a bid is an offence under Laws of India. Such action will result in the rejection of the bid, in addition to other punitive measures.
- 1.6. Each tenderer shall submit only one bid, either by himself or as a partner in a joint venture or as a member of a consortium. If a bidder or if any of the partners in a joint venture or any one of the members of the consortium participate in more than one bid, the bids (of both the individual and the partnership/consortium/joint venture) are liable to be rejected.
- 1.7. The bidder shall bear all costs associated with the preparation and submission of his bid and IITPKD shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tender process.
- 1.8. The Tender Document is not transferable. The bidder shall make a copy of the tender document before submitting the same to the concerned office.
- 1.9. IITPKD will respond to any request for clarification or modification of the Tender Document that is received up to FIVE (05) days prior to the deadline for submission of bids prescribed by IITPKD. For this purpose, the prospective bidder(s) requiring clarification in the Tender Document shall notify IITPKD in writing at the address mentioned. Any such clarification, together with all details on which the clarification had been sought, will be published in the website.
- 1.10. Except for any such written clarification by the Institute, which is expressly stated to be an addendum to the tender document issued by the Chairman, EWD, IIT Palakkad, no written or oral communication, presentation or explanation by any other employee of any of the Sections/Departments of the Institute, shall be taken to bind or fetter the Institute.

2. EARNEST MONEY DEPOSIT (EMD)

- 2.1. The bidder shall furnish EMD of **Rs.1,47,608/- (Rupees One Lakh Forty Seven Thousand Six Hundred and Eight Only)** through an online payment gateway in the E-Wizard. The firms who are registered with National Small Industries Corporation (NSIC) / or Small Scale Industrial (SSI)/ Micro & Small Enterprises (MSEs) are exempted from furnishing the EMD. Self-attested photocopy of valid registration certificate issued by competent authority for MEP works.' to be uploaded with the eligibility bid for exemption of EMD.
- 2.2. Bid not accompanied by EMD/exemption document shall be DISQUALIFIED
- 2.3. EMD of the successful bidder shall be returned on receipt of the prescribed Performance Security and after signing of the contract agreement.
- 2.4. EMD of the unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity and latest by the 30th day after the award of the contract.
- 2.5. EMD shall be forfeited OR the agency who are submitting EMD exemption document will be debarred for 3 years if
- 2.6. the bidder withdraws his bid during the period of validity of the tender.

- 2.7. the successful bidder refuses or neglects to execute the contract or fails to furnish the required Performance Security within the time frame specified by the Institute
- 2.8. The successful bidder fails to execute the Contract on specified timeline.

3. ADDENDUM IN THE TENDER DOCUMENT

- 3.1. At any time prior to the deadline for submission of bids, IITPKD may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Tender Document by way of addendum(s).
- 3.2. Addendum will be intimated through the MHRD portal and the bidders shall ensure that the addendums are carried out in the bid before submission. The addendums will not be published in newspapers. Bidders should regularly visit the MHRD portal to keep themselves updated.
- 3.3. No extension in the bid due date/ time shall be considered on account of delay in submission of bid.

4. COMPOSITION OF THE TENDER DOCUMENT

The Tender Document comprises of:

- a) Instruction to the bidders including terms and conditions
 - b) Schedule of Quantity (Annexure-I)
 - c) Additional Terms And Conditions (Annexure-II)
 - d) Major Equipments to be operated (Annexure-III)
 - e) Pre-qualification Criteria (Annexure-II)
 - f) Techno-Commercial Parameters (Annexure-III)
 - g) Commercial Bid (Annexure-IV)
 - h) Compliance Statement (Annexure-V)
 - i) Format of Performance Security (Annexure-IV)
 - j) Declaration (Annexure-V)
 - k) Fall clause notice certificate (Annexure-VIII)
- 4.1. The bidder is expected to examine all instructions, forms, terms and conditions in the bid Document. In the event of discovery of any missing pages, the bidder shall inform the same to the Section/ Department concerned. Failure to furnish the information required by the Tender Document or submission of a tender not substantially responsive to the bid Document in every respect will be at the bidder's risk and may result in rejection of the bid.
 - 4.2. The bidder shall not make or cause to be made any alteration, erasure or obliteration to the text of the Tender Document.

5. LANGUAGE/FORMAT/SIGNING OF THE BID

- 5.1. The bid prepared by the Bidder and all correspondence and documents related to the tender exchanged by the Bidder and IITPKD shall be in English and the Contract shall be construed and interpreted in accordance with that language. If any of the brochures, leaflets or communication is prepared in any language other than English, a translation of such document, correspondence or communication shall also be provided at the cost and risk of the bidder. The translation so provided shall prevail in matters of interpretation. The bidder, with respect to such documents, correspondence and communications, shall bear the costs and risks of such translation.

6. DOCUMENTS COMPRISING THE BID

- a. Bidders, who are bidding for this NIT shall, upload Digitally signed tender documents should be submitted in Cover One. The Eligibility bid (Cover -1) and the Price bid (Cover -2) shall be submitted online through MHRD portal (<https://mhrd.euniwizarde.in/>)
- b. Bid submitted in any mode other than ONLINE will be rejected outright.
- c. No prices should be entered in the eligibility bid. Mentioning of Prices in any of the the eligibility document shall lead to disqualification
- d. **Cover - 1** : All the eligibility documents and required annexures duly filled in the designated portal. False declaration/documents will be in breach of the Code of Integrity under Rule 175(1) (h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- e. **Cover - 2** : Prices must be quoted separately for each item
- f. If any cells (Rates) left Blank in the Cover 2, then the same will be treated as "ZERO".
- g. Contractor must ensure to quote the rate in prescribed columns. The column meant for

quoting rate in figures appears in Yellow color and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as ZERO. Therefore, if any cell is left blank and no rate is quoted by the bidder, the rate of such an item shall be treated as "0" (ZERO). However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / subhead in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

- h. Rate shall be inclusive of GST and all other incident charges for completing the work. The GST shall not be added separately.
- i. Prices quoted by the bidder shall be fixed during the validity of the bid..

7. BID CURRENCY

Prices of the items shall be quoted in Indian Rupees.

8. CONFORMITY OF THE TENDER DOCUMENT

8.1. The bid document consisting of specifications, the schedule of quantities of various items to be executed and the terms and conditions of the contract and other necessary documents except Standard General Conditions of Contract can be seen in the tender document

8.2. The documentary evidence of conformity of the item to the Tender Document may be in the form of written descriptions supported by literature/diagrams/certifications, including:

8.2.1. A detailed description of the essential technical, functional and performance characteristics of the material that the Bidder is proposing to construct;

8.2.2. Technical details of the major sub items /subsystems/components of the item;

9. PERIOD OF VALIDITY OF BIDS

Bids shall remain valid for a period of 90 days after the date of deadline for submission of bids prescribed by the Institute.

10. MODIFICATION AND WITHDRAWAL OF BIDS

10.1. The Bidder may modify or withdraw the bid after submission only through ONLINE mode, within the period of deadline for submission of bids.

10.2. No bids can be modified subsequent to the deadline for submission of Bids.

10.3. No bids can be withdrawn in the interval between the bid submission deadline and the expiration of the bid validity period.

11. OPENING AND EXAMINATION OF BIDS

11.1. The eligibility/technical bid bids will be opened on the prescribed date and time as mentioned in the Bid document in ONLINE mode.

11.2. The Institute will evaluate the eligibility/technical bids. Those bids, whose eligibility/technical bids fulfil the technical requirements and are responsive to the tender requirements will be considered for opening their financial bids. Those bids which are found to be either non-responsive, not satisfying the technical requirements or both will not be considered for opening their financial bids and will be rejected.

11.3. The financial bid of the successful bidder on the basis of evaluation as mentioned will be considered for the next stage for opening.

11.4. The Institute may waive any minor non-conformity or irregularity in a bid that does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

11.5. If a bid is not substantially responsive, it shall be rejected by the Institute and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

11.6. The Institute determination of bid responsiveness will be based on the contents of the bid itself and any written clarifications submitted by the Bidder.

12. CLARIFICATION OF BIDS

During the bid evaluation, the Institute may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be through ONLINE mode ONLY and no change in the price or substance of the bid shall be sought, offered or permitted.

13. EVALUATION OF RESPONSIVE BIDS

The Institute will evaluate the bids that have been determined to be substantially responsive.

14. CONTACTING THE OWNER

From the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Institute on any matter related to the bid, it shall do so in writing.

If a Bidder tries to directly influence the officials or otherwise interfere in the bid evaluation process and the Contract award decision, his bid shall be rejected.

15. AWARD CRITERIA

The Institute will award the Contract to the Bidder, whose bid has been determined to be substantially responsive for eligibility/technical bid and evaluated as the lowest quote.

The Institute reserves the right to buy different items/quantities from different bidders considering price of individual/group of items or any other factors as decided by the Committee/Chairman.

16. INSTITUTE RIGHT TO ACCEPT/REJECT BIDS

The Institute reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to Contract award, without thereby incurring any liability to the Bidders. The Institute reserves the right to negotiate with the Bidder, whose bid has been evaluated as the lowest quote.

17. AWARD OF WORK/PURCHASE ORDER

Prior to the expiration of the period of bid validity, the institute will issue the Letter of Intent / Work/Purchase Order to the successful Bidder in writing. The Work/Purchase Order will constitute the foundation of the Contract.

18. CONTRACT AGREEMENT

Within FIVE (5) days of receipt of the work Order, the successful Bidder shall sign and date its copy on each page and return it to the Chairman EWD, along with the Performance Security.

Copy of Purchase Order duly signed and dated by the successful Bidder on each page shall constitute the Contract Agreement.

19. PERFORMANCE SECURITY

Within FIVE (05) days of receipt of notification of award from the Chairman EWD, the successful Bidder shall furnish the performance security equal to 5% of the Contract value . The Performance Security shall be valid all along the warranty period and shall extend upto sixty (60) days after the date of completion of warranty period.

The performance security shall be a bank guarantee (in the format as provided in (in the format as provided in Annexure-VI of the bidding documents) issued by any Scheduled Bank in India acceptable to the Purchaser or a Demand Draft favoring, INDIAN INSTITUTE OF TECHNOLOGY PALAKKAD payable at PALAKKAD

The performance security shall automatically become null and void once all the obligations of the contractor under the Contract have been fulfilled, including, but not limited to, any obligations during the Warranty Period and any extensions to the period. The performance security shall be returned to the contractor not later than fifteen (15) days after its expiration.

20. CONTRACT DOCUMENTS

All documents forming part of the Contract (and all parts of these documents) are intended to be correlative, complementary and mutually explanatory. The Contract shall be read as a whole.

The order of precedence of the Contract documents shall be as follows: Contract Agreement

All other Forms uploaded

Tender Document uploaded

Agency's Eligibility/technical/financial Bid

21. AMENDMENT TO CONTRACT

No amendment or other variation of the Contract shall be effective unless it is in writing, is dated, expressly refers to the Contract and is signed by a duly authorized representative of each party to the Contract.

21. TIME FOR CONTRACT - 3 YEARS

22. TERMS OF PAYMENT

Payment will be made monthly on submission of bills and certification by the engineer in-charge. Running account (RA) bills shall be maintained and submitted along with the monthly invoices.

No advance payment shall be made.

1. Statutory deductions (TDS @ 2% will be deducted as per CBEC Circular No.65/39/2018-DOR, dated 14.09.2018)
2. GST or any other tax applicable in respect of inputs procured by the contractor for the contract shall be payable by the contractor and Institute will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST ACT 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any
3. Security Deposit (SD) at the rate of 5% shall be made from the above mentioned schedule of payment.

23. TAXES AND DUTIES

The Contractor should ensure payment of all taxes, GST duties, levies and charges assessed by all municipal, state or national government authorities, in connection with the Goods and Services supplied under the Contract. Nothing extra shall be paid on any account. Rates quoted shall be inclusive of taxes and duties.

PENALTIES

If the contractor fails to complete any of the activities in accordance with the time specified for it, or any extension of the time granted by the Institute, the Contractor shall pay to the Institute, penalties at the rate specified in the Tender document.

The Institute reserves the right to terminate the contract if the contractor defaults on any of the time limits by more than 20 days.

24. GOVERNING LAW

The Contract shall be governed by and interpreted in accordance with the laws of India.

25. SETTLEMENT OF DISPUTES

Any dispute or claim arising out of/relating to this Contract or the breach, termination or the invalidity thereof, shall be settled by the Hon'ble Courts of Justice at Palakkad.

IITPKD reserves the right to accept or reject any or all the tenders in part or whole or may cancel the tender at its sole discretion without assigning any reason whatsoever. No further correspondence in this regard will be entertained.

ANNEXURE – I
SCHEDULE OF QUANTITY

Name of work : Operation of Water Treatment Plant, Sewage Treatment Plant and water supply pumps at Sahyadri Campus, IIT Palakkad.

S No	Description of items	Qty.	Unit
1	Operation of all the equipments of 525 KLD SBR Technology based STP and 400 KLD Water treatment Plant, fire fighting and fire detection system round the clock including operation of all the equipments, addition and alteration works etc. as detailed in Annexure-I as per additional conditions attached.		
1.1	1st year	12	Months
1.2	2nd year	12	Months
1.3	3rd year	12	Months

Note:

- 1. EPF and ESI payment made by the agency to the employees will be refunded against evidentiary proof.**
- 2. TDS @ 2% will be deducted as per Circular No.65/39/2018-DOR, Dated 14.09.2018 from Ministry of Finance**

ANNEXURE II

ADDITIONAL TERMS AND CONDITIONS

1. The work in general should conform to CPWD specification & Indian Electricity Rules in force amended up-to-date & as per equipments / machines manual & direction of Engineer-in-charge.
2. The firm/contractor shall have to abide by the Institute Security Rules. Proper discipline shall have to be maintained at site of work. The identity of staff engaged in work will be verified at the entrance gate. The staff shall not be changed frequently after issuing security passes.
3. The firm is advised to visit the site before quoting and get acquainted with the scope of the work.
4. While taking over the installation for maintenance purposes after award of work the contractor shall check the installation and bring all the deficiencies to the notice of the department if any in the installation. On the expiry of contract/termination of the contract, the contractor shall hand over the installation to the department in proper working condition with all the fittings in intact position.
5. The department shall be at liberty to terminate the contract in between also by giving a notice of 15 days if the performance of the agency is found unsatisfactory or any of the conditions of the contract is violated and the decision of the Institute in this respect shall be final and binding on the contractor and no claim of the contractor of being put to loss shall be entertained by the department because of premature termination of the contract.
6. The following minimum staff shall be deputed on the WTP & STP plant room for 24x7 operation and maintenance.

	Morning shift	Evening shift	Night shift	General shift (for reliever on days other than weekly off days)
	6 AM to 2 PM	2 PM to 10 PM	10 PM to 6 AM	9AM to 5 PM
Technical Operator	1 No.	1 No.	1 No.	1 No.
Technical Labour	1 No.	1 No.	1 No.	1 No.

NOTE: One additional operator & labour each (reliever) should be engaged for managing weekly off for employees. These additional operators & labours need to attend general duty on days other than weekly off days.

Process Engineer: Plant visit every once in two weeks

7. The staff to be engaged by the contractor shall have the following qualification:-
 - a) Technical Operator shall be having ITI certification with minimum 2 years experience in

operation of WTP & STP.

b) Technical Labour: 1 year work experience of assisting Technical operators in the operation of WTP & STP..

c) Process Engineer: B.Tech in Civil/Chemical/Mechanical or Graduate in Science.

8. Technical Operator's Duty: Operation of the STP, WTP daily, watching the performance of the same including fire fighting pumps, Daily Periodic maintenances of the equipments, Assuring the STP performance as of its capacity as designed, and Updating Assigned Process Engineer regarding Plant daily process and required corrective/Preventive maintenances including minor repair works etc. as required.
9. Technical labor's Duty: to Assist the Operator for his duty needs, keeping the plant clean and hygienic, Cleaning of pumps, equipments, grease & old chamber, bar screen chamber and cleaning screened materials from the bar screen chamber & dumping it outside of the STP, removal of processed sludge from the centrifuge, dumping it outside of STP etc, Cleaning of Clarifiers other process tanks as of Process Engineer's and Operator's advises as and when required etc.
10. Water treatment specialist or a Process Engineer's visit to the plant once in 2 Weeks scheduled to review the Process and to give recommendations and Process corrections to the Operational team.
11. No extra payment on account of working on Holidays of the Institute shall be made to the firm.
12. The salary and travel expenses of the employees posted at site shall be made by the contractor before 5th of every month.
13. All the required material for replacement including consumables and T&P required for the day-to-day maintenance work will be issued by the IIT Palakkad. T&P will be handed over to the contractor for the duration of the work. The same shall be returned to the office upon completion of the contract.
14. The timing of shift duty can be changed by the Engineer In-charge as per site requirement.
15. The firm/contractor shall keep the system operational on 24 hours basis & in healthy condition including Sundays & all kinds of holidays.
16. The contractor shall submit the biodata, complete with educational qualification, experience certificate, one passport photograph in respect of the staff deployed on the work to the Engineer In-charge before commencement of work or whenever an employee is changed.
17. In the absence of duty the recovery at the rate of Rs.1000/- for Technical operator and Rs.825/- per day for Technical helper will be made from the bill.
18. The logbooks for all pumps and machinery in prescribed performa sheets for various maintenance works shall be maintained by the contractor as per direction of Engineer-in-charge.
19. The contractor shall deploy trained and experienced staff on duty to maintain the installation in a proper manner. The department shall satisfy itself about the persons to be engaged by the contractor on this job and the decision of the Engineer-in-charge shall be final and binding on the contractor. The contractor shall be fully responsible for the integrity and character of the staff engaged. Any staff not considered suitable for the job by the department shall have to be changed immediately by the contractor.
20. If any schedule of check for maintenance of all equipments as per manufacturer recommendation is not carried out timely, suitable recovery shall be made from the bill and

the decision of the Engineer-in-charge in this respect shall be final and binding on the contractor.

21. Any major fault in the equipments shall have to be informed to the Engineer-in-charge or his authorised representative immediately.
22. All the minor complaints about the installations brought to the notice of the working agency shall be attended promptly. Besides the logbooks of comprehensive / preventive maintenance register, the contractor shall maintain a complaint register also in the plant room so that complaints are entered with date and time in the register by the complainant directly or informed telephonically.
23. All the required material for replacement of minor parts including consumables and T&P (only ladders) required for the day-to-day maintenance work will be issued by the IIT Palakkad.
24. All the installations shall be kept clean & safe from theft, fire & accident. Any damage caused to installation due to negligence, carelessness & inefficiency of the staff. The contractor shall be responsible to make good the loss or recovery of the same shall be made from the contractor bill. Decision of the engineer-in-charge in this regard shall be final & binding on the contractor.
25. Payment shall be made on a monthly basis.
26. While carrying out the works, the contractor shall take adequate care and observe relevant safety precautions. Necessary safety gadgets shall be provided by the Contractor to comply with statutory regulations. He shall indemnify IIT Palakkad against claims for compensation in this regard. Within 15 days of placing the order, he should arrange for training for the personnel engaged by him on preventive maintenance, safety regulations, safety precautions and general idea about operation of equipments, pre and post hazard activities.
27. Any damage caused to Sahyadri Campus of IIT Palakkad's Installations by workers employed by the Contractor during the course of execution of the work shall be made good to the satisfaction of the Engineer In-charge, failing which , the same will be recovered from the Contractor's bill if proper justification is not given by the contractor. However, the decision of Engineer In-charge is final and binding on the Contractor.
28. All staff should wear uniform with badge & name plate complete with name of the firm otherwise recovery @200/- per person per day shall be made from contractor's bill. Minimum 2 sets of Uniform and 1 set of safety shoes must be issued every year for all employees.
29. If the performance/ integrity of any worker deputed by the contractor on the work is observed unsatisfactory, the worker shall be replaced within 48 hrs. The decision of the Engineer in charge in this respect shall be final and binding on the contractor.
30. The contractor shall have to adopt all the safety precautions while executing the work and no claim shall be entertained by the Engineering Department in case of any accident while carrying out the work.
31. The duty of staff shall be as per requirement of site & direction of Engineer-in-charge.
32. Supply all types of Treatment chemicals, bacteria, consumables like gloves, masks, safety glasses, coats at the time of filling up of chemicals etc.
33. The contractor shall maintain strict discipline among its staff and shall abide by and conform to all rules and regulations promulgated by the IIT Palakkad governing the operations. If IIT Palakkad feels that the conduct of any of the contractor's staff is detrimental, the IIT Palakkad shall have the right to request for the removal of such staff either for incompetence, unreliability, misbehaviour, security reasons, etc., while on or off the job. The contractor shall comply with any such request to remove such staff at the contractor expense unconditionally.
34. The contractor shall solely and exclusively be responsible for engaging or employing the

staff for the execution of this work. All staff engaged by the contractor shall be on its payroll and be paid by them. IIT Palakkad will have no liability whatsoever concerning the staff engaged in this contract. The contractor shall make/pay full monthly wages on time along with statutory dues in bank transfer to the workmen within the 5th day of the following month, irrespective of whether the contractor has raised the bill or not. It shall be the responsibility of the contractor for any dispute arising between them and their staff. IIT Palakkad is indemnified against losses, damages, or claims arising thereof.

35. There will be no relations between IIT Palakkad, and the staff engaged by the contractor under the contract. No claims for any employment in IIT Palakkad will be entertained or tenable. It shall be the sole responsibility of the contractor to regulate and affect any terms of employment with the engaged staff without any liability whatsoever to IIT Palakkad.
36. The contractor shall be solely liable for any accident or injury that may happen to any of his staff engaged in the contract. The IIT Palakkad shall not be liable for, or in respect of, any damage or compensation payable at law in respect of, or in consequence of, any accident or injury to any staff in the employment of the contractor, and the contractor shall indemnify and keep indemnified the IIT Palakkad against all such claims, damages, compensations, and proceedings. The contractor shall forthwith report to the IIT Palakkad all cases of accidents to any of his staff and shall make every arrangement to render all possible assistance and aid to the victims of the accident. The IIT Palakkad will not take any responsibility for providing safety equipment and devices to workmen, and any consequential accident due to the non-provision of safety devices will be to the contractor's account.
37. The contractor or his staff shall not cause any damage to the assets/equipment/tool's plants and any of the properties of the IIT Palakkad during the period of this contract. If any damage is caused, the same shall be made good by the contractor at his own cost and risk in a manner approved by the Engineer-inCharge. All activities shall be carried out without damaging IIT Palakkad property or existing sanitary/water supply/electric service lines.
38. The workers engaged by the agency will be utilised for all types of electrical/mechanical repair/addition alteration/modification work in the Institute for which nothing will be paid extra.

Contractor should take the Process water quality test through approved agencies on BiWeekly schedules for the below Parameters. The payment made for testing will be reimbursed by IIT Palakkad.

Characteristics of 525 KLD STP Treated Water

Sl. no.	Parameter	Unit	Quantity
1	pH	-	6.5-8.5
2	TSS	mg/L	< 5
3	COD	mg/L	< 50
4	BOD (5 days)	mg/L	< 10
5	Total Nitrogen (TKN)	mg/L	< 5
6	Ammoniacal Nitrogen	mg/L	< 1
7	Phosphates	mg/L	< 1
8	Total Coliform	MPN/10ml	Nil
9	Oil & Grease	mg/L	< 1

Characteristics of 400 KLD WTP Treated Water (test shall be conducted as per relevant IS codes)

Sl. no.	Parameter	Unit	Quantity
1	Colour	HU	5
2	Turbidity NTU	NTU	1
3	pH at 25 +/- 2 deg C		6.5 to 8.5
4	Electrical Conductivity	micro mhos/cm	
5	Total Alkalinity (as CaCO ₂)	mg/l	200
6	Sulphate (as SO ₄)	mg/l	200
7	Total Dissolved Solids (TDS) at 180 +/- 2 deg C	mg/l	500
8	Total Hardness (as Ca CO ₂)	mg/l	200
9	Calcium (Ca)	mg/l	75
10	Magnesium (as Mg)	mg/l	30
11	Chloride (as Cl)	mg/l	250
12	Fluoride (as F)	mg/l	1
13	Nitrate (as NO ₂)	mg/l	45
14	Iron (as Fe)	mg/l	1

➤ Aeration Tank: MLSS analysis (Monthly once)

ANNEXURE-II
PRE-QUALIFICATION CRITERIA FOR BIDDERS

(TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

Only those bidders fulfilling the following criteria should respond to the tender.

1. Information related to the agency/bidder such as photocopies of the Registration/PAN/GST/TIN shall be furnished
2. The Agency, who are bidding for this shall have satisfactorily completed the works in the Construction, operation and maintenance of STP and WTP having the capacity of 1 Nos 200 KLD or 2 Nos 100 KLD during the last 7 years ending previous day of last date of submission of bid.
3. The bidder must have a registered office in Karnataka/Tamil Nadu/Telangana/Andhra Pradesh or Kerala. Certificate of registration for the offices to be provided.
4. Digitally signed tender documents should be uploaded in Cover One.
5. Has the firm ever been debarred/blacklisted by any Govt. Organization/Dept.? If 'yes' the details thereof (Please upload supporting document). Is any person working with the applicant a near relative of the Employees of IIT Palakkad? If yes, give details (Separate declaration to be uploaded along with tender document)

ANNEXURE-III
LIST OF EQUIPMENTS TO BE OPERATED

Equipments in STP

1. Bar screens, Collection tank , Equalisation Tank, ionisation tanks, SBR Tanks, decanting mechanism , Clear water tank, Sledge Holding tank, Ultrafiltration feed tank and Treated water tank .
2. All equipment pump set
3. Filters, Chemical dosing system and filter press system
4. Addition and alteration works of the campus.

Equipments in WTP & Fire pump room

1. Aerator, dosing tank, agitator system, Clarifoculator, fire pumps, filter feed pumps, chlorine dosing system, hydro pneumatic water supply pumps for feeding supply to various buildings etc.

ANNEXURE-III
TECHNO-COMMERCIAL BID

(TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

A. Company Profile
Name of the Company/Bidder
Postal Address of the Registered Office
Telephone (Landline) No.
Mobile No.
Email Address (Official)
Name of the CEO/Director
Name(s) of the Partners (if applicable)
Registration No. (Upload supporting document)
Type of Firm(Proprietary/Partnership/Private Ltd./Private/MNC/Cooperative/Govt.Undertaking/Any Other)
Email Address and Contact Number(s) of CEO/Director
Year of Establishment
No. of Years of Operations in India
Location of Offices in India / Abroad
PAN (Upload supporting document)
GST (Upload supporting document)
B. Alliances for the Purpose of this Bid, if applicable (Upload supporting document)
Details of Alliance(s)
Type of Alliance(s)
C. Experience/Credentials
D. Service Support and Availability of Spares in India
Location and Address of Service Centres
Whether the OEM offers any service
Whether the service set up maintains stock of Essential Spares in India
Lead time for Supply of Essential Spares
E. Others
Has the firm ever been debarred/blacklisted by any Govt. Organization/Dept.? If 'yes' the details thereof. Upload (supporting document)
Note: Supporting Documents, wherever asked for, shall be uploaded along with the Bid, without which the Bid shall be rejected outright.

ANNEXURE-IV
COMPLIANCE STATEMENT
(Part of eligibility/technical bid)

The vendor shall,

1. Prepare, sign and submit the Compliance Statement of the specification of the item in the format given below along with the eligibility/technical bid in the company letter head.
2. Submit separate Compliance Statement of specification sheets for each item.
3. Ensure that the component number and heading in the Technical Specifications is clearly mentioned in the document. If there are any deviations from the specifications mentioned by IIT Palakkad, the vendor should clearly indicate the deviations and give reasons for the deviation with proper justification.
4. Provide the technical leaflet/literature/catalogue or any relevant document for all the quoted items to IIT Palakkad. The information provided in the compliance statement without supporting documents will not be considered for the evaluation of the eligibility/technical bid and will be treated as non-compliance and may lead to the disqualification of the eligibility/technical bid.
5. Clearly respond to every requirement given in the technical specifications. Lack of clarity may be considered as lack of information and may subsequently lead to disqualification of the eligibility/technical bid.

Format of Compliance Statement:

Item No.	IIT Palakkad's technical specification of components as given in Annexure-I	Specifications of model/make quoted by the vendor	Vendor's specification complies with IIT Palakkad's technical specification? (YES/ NO)	Deviation, if any, to be indicated in unambiguous terms	Page no. of relevant specification for the quoted model in the technical manual/leaflet

Annexure-V

FORMAT OF PERFORMANCE SECURITY

1. This deed of Guarantee made this day of between Bank of (hereinafter called the "Bank") of the one part, and Indian Institute of Technology Palakkad (hereinafter called "the Purchaser") of the other part.

2. Whereas the Purchaser has awarded the contract for Supply, Installation, Commissioning, Integration and Validation of (name of the item) (hereinafter called the contract) to (hereinafter called the contractor); (Name of the contractor)

3. AND WHEREAS the contractor is bound by the said Contract to submit to the contractor a Performance Security for a total amount of Rs. (Amount in figures and words).

4. Now, I/we the undersigned, being fully authorized to sign and to incur obligations for and on behalf of and in the name of (Full name of Bank), hereby declare that the said Bank will guarantee the Purchaser the full amount of Rs. (Amount in figures and words) as stated above.

5. After the contractor has signed the aforementioned Contract with the Purchaser, the Bank is engaged to pay the Purchaser, any amount up to and inclusive of the aforementioned full amount upon written order from the Purchaser to indemnify the Purchaser for any liability of damage resulting from any defects or shortcomings of the contractor under the Contract mentioned above, whether these defects or shortcomings are actual or estimated. The Bank will deliver the money required by the Purchaser immediately on demand without delay without reference to the contractor and without the necessity of a previous notice or of judicial or administrative procedures and without it being necessary to prove to the Bank the liability or damages resulting from any defects or shortcomings of the contractor. The Bank shall pay to the Purchaser any money so demanded notwithstanding any dispute/disputes raised by the contractor in any suit or proceedings pending before any Court relating thereto and the liability under this guarantee shall be absolute and unequivocal.

6. This Guarantee is valid for a period of thirty six months from the date of signing. (Initial period for which this Guarantee will be valid must be for at least thirty (30) days longer than the anticipated expiry date of warranty period).

7. At any time during the period in which this Guarantee is still valid, if the Purchaser agrees to grant a time extension to the contractor or if the contractor fails to complete the work within the time of completion as stated in the Contract, or fails to discharge himself of the liability or damages as stated under Para 5 above, the Bank shall extend this Guarantee under the same conditions for the required time on demand by the Purchaser and at the cost of the contractor.

8. The Guarantee herein before contained shall not be affected by any change in the Constitution of the Bank or of the contractor.

9. The neglect or forbearance of the Purchaser in enforcement of payment of any moneys, the payment whereof is intended to be hereby secured or the giving of time by the Purchaser for the payment hereof shall in no way relieve the bank of its liability under this deed.

10. The expressions "the Purchaser", "the Bank" and "the contractor" herein before used shall include their respective successors and assigns.

In witness whereof I/We of the bank have signed and sealed this guarantee on the _____ day of (Month & Year) being herewith duly authorized. For and on behalf of the _____ Bank.

Signature of Authority

Name of the Official Name: Designation:

Stamp/Seal of the Bank:

Signed, sealed and delivered for and on behalf of the Bank by the above named _____ in _____ the presence of: Witness 1 _____ Witness 2 _____

Signature Signature

Name Name

1 Address Address

ANNEXURE-VI

DECLARATION

This is to certify that

1. I / We have carefully read, understood & complying the above referred tender document including instructions, terms & conditions, scope of work, schedule of quantities and all the contents stated therein. I / We also confirm that the rates quoted by me / us are inclusive of all taxes, duties, other incidental charges etc., applicable as on date.

2. I /we have gone through all terms and conditions of the tender document before submitting the same.

ANNEXURE-VII

FALL CLAUSE NOTICE CERTIFICATE

(To Be Submitted Only Through Online Mode in Appropriate Format)

This is to certify that we have offered the maximum possible discount to you in our Quotation No. _dated_ **(Please do not reveal the prices here, which will lead to outright rejection of your bid)**. The prices charged for the Stores supplied under tender should under no event be higher than lowest prices at which the party sells the items of identical description to any other Govt. organization/PSU"s/Central Govt, /State Govt. Autonomous bodies/Central/state Universities/Central/State Educational Institutions, failing which the **"FALL CLAUSE"** will be applicable. The institute will look into a reasonable past period to ensure this. In case, if the price charged by our firm is found to be more, **IIT Palakkad** will have the right to recover the excess charged amount from the subsequent/unpaid bill of the contractor.