

Open tender

For

**Providing and installation of Online Continuous
Effluent Management System (OCEMS) on the
existing ETP-cum-STP (CETP) of
Mega Food Park, Ludhiana, Punjab**



Punjab Agro Industries Corporation Limited
Mega Food Park, Ladhawal, Ludhiana

PUNJAB AGRO INDUSTRIES CORPORATION LIMITED

website: www.punjabagro.gov.in

NOTICE INVITING BIDS

Quotations are invited from bidders for providing & installation of OCEMS system for CETP at Mega Food Park. The quotations in technical & financial format should be submitted in the office of PAIC at Mega Food Park, Ludhiana.

Last date for submission of bids is 12.10.2026 upto 02:00 PM. The date for opening of financial bids will be intimated after evaluation of technical bids. Details of open tender can be downloaded from www.punjabagro.gov.in. For any clarification, contact us at: 9914500655.

**General Manager
Mega Food Park
Ladhowal, Ludhiana**

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SECTION -I

Specific terms and conditions

1. This open tender is in reference to providing and installation of OCEMS system for ETP-cum-STP in Mega Food Park, Ladhowal, Ludhiana

2. Scope of work

- a) Bidder shall supply, install and commission OCEMS for ETP-cum-STP in Mega Food Park, Ludhiana.
- b) PAIC can decrease or increase any item in the tender and bidder shall have no objection for the same.
- c) Bidder shall be fully responsible for technical suitability of design based on specifications, sound engineering practices, relevant standard designs and I.S. provisions of State and Centre Government.

3. Completion period: The mentioned work should be completed in one month after issuance of award letter.

4. Payment terms

Payment terms for supply of material will be as follows:

	Description	Payment (in %age)
a	Supply of the material at the site.	50%
b	Installation of OCEMS equipment and related electronics works.	40%
c	On trail run and proper running of OCEMS equipment for one week.	5%
d	After one year expiry of warranty period	5%

5. Deductions:

Following deductions, if applicable, shall be made in the bills of the bidder:

- a) Work Contract Tax on Works contract as per Work Contract Tax rules.
- b) TDS and GST on TDS
- c) GST
- d) Any other statutory requirements/taxes as per prevailing law.

6. Technical details to be provided

Bidders shall provide following details:

Sr. No	Description	Details to be provided
1	Bidder should be a registered entity	Details of GST certificate of Incorporation Certificate/ Registration Certificate etc. whichever is applicable.
2.	Bidder should be only from Punjab, Chandigarh or Ambala and should have after sales service network in Punjab	The detail of office address and after sales service in Punjab, Chandigarh or Ambala
3	The bidder should have successfully manufactured or did AMC of OCMS equipments	Proof of supply or AMC of OCMS equipments.

7. Additional Documents

PAIC can ask the bidder to provide any other documents including list of certifications for equipments and technology in addition to above mentioned list.

8. Blacklisted

Bidder should not have been blacklisted by any Department/ Corporations/Body of the State/Centre Govt. Bidder shall be responsible for the quality and quantity of the products. In case of any default or any action is taken by the govt. authorities, he shall be responsible for the same which include criminal proceedings or any compensation and legal expenses.

9. Validity

- a) Offer shall remain open for acceptance for 180 days from the date of opening the tender. However, it can be extended by mutual consent.
- b) If bidder withdraws his offer, earnest money deposited will be forfeited.

10. Warranty

- a) Warranty of all equipments supplied will be for one year. During this period, in case if there is any fault in the system, the same shall be repaired by the bidder.

Section- II

General conditions of contract/tender

1. Definitions

- a) "Bidder" means individual/company/firm which expression shall wherever the context requires or admits mean and include its successors and permitted assigns and who is going to participate in tender or has been accepted by the employer i.e. PAIC.
- b) "Employer" or "PAIC" means the organization issuing the DNIT, responsible for payment of works and which owns the works after completion. In this case "Punjab Agro Industries Corporation Limited" or "PAIC" is the employer.
- c) "Project" or "Work"– work which the bidder is expected to perform. The details are mentioned in the scope of work.

2. Contract Agreement

- a) Bidder shall sign contract with PAIC on format provided by PAIC. Tender document & subsequent correspondence shall form part of contract.
- b) Cost of stamp duties & similar charges imposed by law shall be borne by bidder.
- c) Wherever there is discrepancy between executed agreement and tender document then later i.e. tender document shall prevail.
- d) Law of contract is the law of India.
- e) It shall be presumed that bidder has been given site possession on the day of signing of agreement/ award letter.
- f) Bidder shall comply with instructions of PAIC's site representative in accordance with the signed agreement.

3. Documents at Site

- a) Bidder shall keep on site one complete set of documents, DNIT and all communication documents forming the part of contract.
- b) PAIC's representatives shall have right to use such documents.
- c) PAIC reserves the right to call for any document from bidder at any stage.

4. Compliance of law, statutes and regulations

- a) Bidder shall obtain all permits, licenses, approvals and pay all fees required under the law of the land related to execution of work, in reasonable time taking account the period of completion of work as mentioned in this tender.

- b) Any proposal, inspection, examination, testing, consent, approval or similar act by PAIC's site representative shall not relieve bidder from any responsibility for his errors, commissions, discrepancies & non-compliance.
- c) Bidder shall take reasonable steps to protect the environment and to limit damage & nuisance to people/property resulting from pollution, noise etc.
- d) Bidder shall also comply with all labour laws of State/Central Government, rules and orders issued under them. If he fails to do so, his failure will be breach of contract and PAIC at his discretion can take appropriate action. Bidder shall also be liable for any liability arising on account of violations by him under provisions of these acts.

5. Indemnity and third-party claims

- a) Bidder shall be principal employer for all workers and staff recruited by him to execute the work and shall be responsible for any third-party claims arising thereof.
- b) Bidder shall indemnify and hold PAIC harmless of any claims, damages, losses and expenses arising out of works especially bodily injury, sickness, disease, death, injury, destruction of physical property including consequential loss of use.

6. Electricity and water

- a) Bidder shall make his own arrangement for electricity during execution of work. In case, electricity of PAIC is used for construction then bidder pay the electricity bill (as per consumption as decided by G.M.,MFP) at rates fixed by PSPCL.
- b) Bidder shall also make adequate arrangement of Diesel Generator set required for the work. Necessary permission, if required shall be taken by him from the concerned authorities.
- c) Bidder is required to make his own arrangement for the water required for the construction works as well as for drinking purpose.

7. Obligations of bidder

- a) Bidder is required to check the correctness of design criteria, drawings, calculations, list of equipments etc included in tender. The work as completed by bidder shall be in accordance with contract and FIT FOR PURPOSES for which they are intended in the tender. If any changes in drawings, calculations, list of equipments etc. are required as per requirement of PAIC or as per laws/acts of State/Central Govt., same should be conveyed to PAIC before commencing the work.

- b) Project work shall include any work which is necessary to satisfy PAIC's requirements, bidder's proposal and schedules, or is implied by the contract, or arises from any obligation of bidder and all works not mentioned in the contract but which may be inferred to be necessary for completion or safe, reliable and efficient operation of the works.
- c) With respect to technology mentioned in tender, bidder can deploy his technology provided the same is proven & tested. This shall be supported by satisfactory completion & operation certificate and he shall provide broad details of process.
- d) The design of the project work should be as per "BEST ENGINEERING PRACTISES" and should be economical to implement and operate.
- e) Bidder shall provide superintendence, labour, materials, equipments, temporary works etc. required for execution of work. Bidder shall be fully responsible for adequacy, stability and safety of all works executed at site.
- f) Bidder shall keep appropriate security at site. Bidder shall be fully responsible for the material stored at site during execution of project work.

8. Due diligence and inspection

- a) Bidders shall be deemed to have conducted due diligence of all aspects of "work" or "project" including detailed & information provided in tender.
- b) Bidders are invited to visit and inspect the site at their own expense. Failure to investigate the site conditions shall not relieve bidder from any responsibility for successfully completing the project.
- c) The bidder shall provide an unconditional bid in all respects should agree with the terms and conditions of the tender & scope of work unconditionally.

9. Inspection

- a) G.M., Mega Food Park shall inspect all material supplied by bidder. The decision of G.M, MFP regarding quality will be final & binding. In case of rejection, bidder shall give free replacement.

10. Site clearance

- a) Bidder shall clear the site from unnecessary obstructions during execution of work.
- b) After completing the work, bidder should clear the site from any unwanted/ surplus material. In case bidder fails to do it, PAIC shall clear the site at risk and cost of the bidder.

11. Taking over

- a) Before taking over, G.M., Mega Food Park shall check the work as per terms and conditions of this tender and check if the work “fits the purpose” for which it was intended.
- b) Bidder may be asked to give one “trial run” of all equipments, plant etc. before handing over the work.

12. Quality and Quantity

- a) Bidder shall be responsible for the quality and quantity of the products. The quality of goods & timely execution of order will be the essence of the contract. There will be no compromise on this account. Material found sub-standard will be rejected and returned.
- b) PAIC reserves the right to change the quantity of firefighting equipments at any stage of tender and the successful bidder shall have no objection for the same. The quantity item mentioned in the tender are approximate and can change according to requirement.

13. Liquidated damages and penalty

- a) In case any error or variation occurs due to negligence on part of the bidder, consequential damages thereof shall be quantified by PAIC and recovered from bidder by way of liquidated damages, subject to a maximum of 2% of total cost.
- b) In addition to the liquidated damages not amounting to penalty, warning may be issued to the operator for minor deficiencies on its part. In the case of significant deficiencies other penal action including debarring for participating in Govt. tenders for 1 year may be taken.
- c) However, decision of MD, PAIC in this regard will be final and binding on the parties. Managing Director, PAIC can even waive off the penalty.

14. Termination or Rejection

- a) MD, PAIC reserves the right to accept or reject any bids, to annul the bidding process, reject all bidders or cancel the project work at any time even after award of contract or signing agreement or supply of part material at site without assigning any reason and bidder shall have no objection for the same.
- b) PAIC does not bind itself to accept the lowest quotation and reserves the right of accepting any quotation in part or full without assigning any reason.
- c) Conditional bids or bidders not agreeing to conditions of tender or not meeting the technical eligibility criteria of tender shall be rejected.

15. Interpretation

In case of any ambiguity in the interpretation of the conditions of the contract and scale of charges, the interpretation of the Managing Director, PAIC will be final and binding on the parties to the conditions of contract.

16. Dispute Resolution /Arbitration

In the event of any question, dispute or difference arising between the parties in relation to this agreement or in connection therewith the same shall be referred to the sole arbitrator to be appointed by the Managing Director, Punjab Agro Industries Corporation Limited. Award of Arbitrator will be final and binding upon both parties. The Arbitrator proceedings will be governed under Arbitration and Conciliation Act, 1996 and the seat of Arbitrator will be at Chandigarh.

SECTION III

OPEN TENDERING PROCEDURE

1. General Instructions

- a) Open tender can be downloaded from the website of <https://punjabagro.gov.in> will be accepted before the time period mentioned in the AD or in subsequent corrigendum.
- b) Documents downloaded from website should not be tempered.
- c) Quotations can be sent through email also.
- d) Authorized representative of firm should sign & stamp all documents.

2. Amendment of open tender

At any time prior to proposed due date, PAIC may, for any reason, can modify the tender through the issuance of Addendum/ Corrigendum on the website which will not be published in the newspaper. This can be seen on website of PAIC. The corrigendum so issued shall become part of this tender.

3. Submission of proposal/quotations

Bidders shall provide the technical details as well as the financial details/proposal. The financial quote should be excluding taxes.

**GENERAL MANAGER,
MEGA FOOD PARK, LUDHIANA**

SECTION IV

SPECIFICATIONS/ ITEMS TO BE INSTALLED & PROVIDED

The design, supply, testing, installation and commissioning of Online Continuous Effluent Monitoring System (OCEMS) along with the data connectivity to PPCB/CPCB for the measured parameters of effluent from ETP-cum-STP. The detailed specifications are as follows:

1. To supply "effluent monitoring system with probe type".
2. Complete Engineered Panel with electronics for monitoring parameters of COD, BOD, TSS and pH and connectivity through cloud to PPCB/CPCB.
3. The system should be capable to measure following parameters:

Sr. No	Parameters	Range	Principal
1	COD	0-1000 mg/l	UV (Visible absorption spectroscopy
2	BOD	0-1000 mg/l	
3	TSS	0-1000 mg/l	
4	pH	0-14 pH	pH Electrode

4. Provision for adding minimum 8 parameters in future including flow meters and sensors.
5. The system should have inbuilt provision of automatic cleaning probes with feature incorporated in probe assembly which enhances the life of probes.
6. The system should have inbuilt features for calibration check with normal water or DM water (No Electronic Calibration Check)
7. Inbuilt output for integrating external alarm device or input for SCADA whenever the value of any parameter goes beyond set limit.
8. The system also should have optional feature to control chemical dosing pH and aeration control for Oxygen.
9. Data connectivity to PPCB/CPCB for the measured parameters of effluent.
10. Inbuilt cloud gateway for transmitting data to server.
11. All parameters shall be displayed on the main mainframe panel.
12. Inbuilt auto cleaning system
13. Other Specifications
 - Method: Dual beam visible absorption spectroscopy to BOD/COD/TSS
 - Ph- Electrode (Probe)
 - Wavelength Range – 200-900 nm
 - Display: Touch screen minimum HMI 7 inch

- Operating Temp: 5 C to 48 C
- Output Temp: RS485 (optional 4 to 20Ma)
- Voltage: 100....240 VAC (Min 50 Hz)
- Consumption: Maximum 100 W
- Enclosure rating: Minimum IP65 or better
- Interface: RS232, RS485 or equivalent

FINANCIAL FORMAT (OR ON LETTER HEAD/EMAIL)

Particulars	Total Price (excluding taxes)
Supply, installation and commissioning of OCEMS equipments (plus related electrical and electronic equipments) in Mega Food Park, Ludhiana.	

Signed and stamped
by authorised signatory

THANK YOU