

PUNJABI UNIVERSITY PATIALA
(Entrepreneurship, Innovation and Career Hub-EICH)

Short Term E-Tender Notice

E-Tenders through electronic tendering process are invited by the undersigned from the Original Equipment Manufacturers/Approved and eligible Manufactures/Authorized Distributors/Dealers for the Purchase of **Supercritical Fluid Extraction System (SFE)** fulfilling the eligibility criteria mentioned herein which shall be uploaded & received on www.tenderwizard.com/PUNJAB

1. Last date and Time for receipt of Tender online : Date 24-08-2022 17:00pm
2. Time and date of opening Technical bid : Date 26-08-2022 11:00 am
3. Time and date of opening Financial bid : will be conveyed on the website upon verification of technical bid documents

S. No	Item	Earnest Money (Refundable)	Tender Fees (Non-refundable)	Bid processing fees (Non-refundable)
1.	Supply of Supercritical Fluid Extraction system with its essential accessories, at Punjabi University, Patiala.	50,000/-	2360/-	2360/-

A bidder who has not obtained the User ID and password for participating in e-tendering may obtain the same by registering in the e-procurement portal www.tenderwizard.com/PUNJAB. The tenderers once registered can participate in any of the department tenders. For any clarification contact, 0172-5035985, 8146699866 or E-mail : etenderhelpdeskp@gmail.com, pavitar.s@etenderwizard.com

All other details can be seen in the bidding document.

Terms and conditions:

1. The tender fees and earnest money should be paid through e-payment only. (IPG(Debit & Credit), Net banking & NEFT/OTC only).
2. Tender processing fee should be paid through e- payment (Internet Payment Gateway (Debit & Credit), Net banking & National Electronic Funds Transfer/OTC only).
3. The Tender documents shall be uploaded in 2 folders.
 - (i) **Folder-A:** Shall contain pre qualification documents such as Registration, GST No., PAN No., Income Tax Return, and Non Black list Self certificate etc uploaded on website and technical bid.
 - (ii) **Folder-B:** shall contain financial bid on the prescribed form.
4. In case earnest money of the required value is not deposited, the bids will not be considered and rejected straightaway.
5. The folder-A shall be opened only of those bidders whose earnest money is found to be in order.
6. The folder –B shall be opened only of those bidders whose technical bid is found fit.
7. The final selection of the bidder for the supply of the equipment and consumables will be made on the basis of Bid Evaluation Procedure as per Annexure A.
8. Corrigendum /Addendum/Corrections, if any, will be published on the web site only. Firm will have to check the website regularly for any update.
9. Tender will be opened in the Office of Director, Computer Centre, at Punjabi University, Patiala.

PRE-QUALIFICATION REQUIREMENTS:-

1. Manufacturers/Suppliers/Authorized Distributors/Dealers etc. can participate.
2. The bidders will have to provide their own PAN and GST no. wherever applicable.
3. The bidders shall submit copies of income tax return for the last 2 years.

4. The bidders shall also submit Self certification that they have not been debarred/blacklisted by any Govt./ Semi Govt. Organization or any Corporation at any stage.

Other Terms and Conditions:

1. University reserves the right to inspect the material to be received from the bidder/suppliers.
2. Prices should be inclusive of all taxes and levies in INR, F.O.R Punjabi University Patiala.
3. All items to be supplied must be branded and shall be amply supported onsite directly by OEM. All Return Material Authorization (RMA) shall be in name of Punjabi University, Patiala.
4. The equipment is to be made available/ installed within 4-6 weeks from date of placing confirmed Purchase Order along with all the bills.
5. If there is holiday on the receipt/opening day of the tender, the tender shall be received / opened on the next working day at the same time.
6. The Registrar, Punjabi University reserves the right to reject the tender without assigning any reason before/after opening of the tenders and the tenderers shall have no right or any claim whatsoever for the same on this account.
7. The order for quantity of different items can be increased or decreased. The Suppliers/ Tenderers shall have no right or any claim what so ever for the same on this account.
8. The rate quoted by the bidder shall be inclusive of all taxes levied by Central Govt. or State Govt. Authority including their variations as notified by the Concerned Authority from time to time and also of all the new taxes and levies that may be imposed.
9. The bidder shall comply with proper by-laws and legal orders of the local body or authority under the jurisdiction of which the supply is executed and pay all fees and charges for which he may be liable. Nothing extra shall be payable by the University on this account.
10. The quoted rates shall be valid for full time limit.
11. Bidder will supply the material on quoted rates which include F.O.R., Loading, Unloading, stacking and inclusive of all taxes.
12. An agreement will have to be signed with the Registrar, Punjabi University Patiala within 3 days of issue of supply order.
13. In case of failure of supply of material as per ordered specifications, the University reserves the right to reject the supply order/ imposition of penalty/ forfeiture of security deposited by the bidder.
14. Performance Bank Guarantee (PBG)
In case the total order value of items becomes Rs. 5.0 lakh or above, 10% of the cost price in the form of Bank Guarantee or FDR pledged in the favor of "The Registrar, Punjabi University, Patiala" is required at the time of installation of the equipment which should remain valid at least during the warranty period plus 3 months.
15. Payment terms
The payment will be made against invoice/bill after delivery and installation of the equipment in INR currency only.
16. Acceptance of Terms and Conditions
Bidders must confirm the acceptance of all the terms and conditions of this tender notice. Any non-acceptance or deviation from the terms and conditions must be clearly mentioned. However, tenderers must note carefully that any conditional offer or any deviation from the terms and conditions of this tender notice may render the quotation liable for rejection.
17. Power supply
The equipment should be quoted only for 220 volts and 50 Hz supply.
18. Duly signed and stamped certificate of atleast 5 years comprehensive on-site warranty as per Annexure B should be attached with the technical bid. Successful firm will be required to agree for payment of penalty for exceeding permissible downtime during guarantee/warranty period.
19. Country of origin of the quoted item should be mentioned in the offer in case of imported item.
20. Customs Duty or Excise Duty:
Punjabi University Patiala is exempted from the payment of Customs Duty/Excise Duty. CDEC/EDEC with DSIR Certificate will be provided along with the order (if applicable).
21. Service Facility:
Bidder should mention about the service set up in India and how capable they are to provide after sales services.
22. Installation and Training:
It should be included by the bidder, in the offer without any extra cost.

23. Banker's details:
Name and address of the banker of the bidder/company should be mentioned.
24. Reference of supply:
Name and contacts details of the premier educational Institutes where the quoted equipment has been installed in India should be attached as per Annexure-C during the last 3 years. Copies of at least two purchase orders may be attached (if possible). Punjabi University Patiala reserves the right to inspect the equipment for its actual performance in any of the listed Institute. The list of installations with contact details for the last 3 years must be provided.
25. Arbitration
In the event of failure to carry out the contractual obligations within the stipulated period or extended period and termination of the contract for any reason, violation of warranties etc., Punjabi University Patiala shall have the right to carry out the unfinished obligation at the exclusive cost and risk of the bidder/firm, after due notice and the difference so accrued shall be recoverable from the bidder/firm.
- 25.1 The provision of the Arbitration and Conciliation Act, 1996 or as at the relevant time and of rules framed there under and any statutory modifications thereof shall be deemed to apply and be incorporated in this agreement.
- 25.2 Upon every or any such reference, the costs of any incidentals to the reference and award(s) respectively shall be at the reasonable discretion of the Arbitrators or in the event of their not agreeing, of the mediator appointed by them who may determine the amount thereof or direct the same to be fixed as between solicitors and client or as between parties and shall direct by whom and in what manner the same shall be borne and paid.
- 25.3 Panel of arbitrators will be provided by Punjabi University Patiala out of which the bidder will have to select one.
- 25.4 The bidder shall have no objection if the officer who has dealt with the case at any stage is nominated as an arbitrator. Further, that one of the arbitrator's shall be Accounts Expert.
- 25.5 In case of vacancy being caused due to resignation, death or incapacity of the arbitrator(s) to function as such, the same shall be provided in the aforesaid manner and the new arbitrator(s) shall proceed from the stage at which vacancy is caused.
26. Jurisdiction:
The Courts of Patiala alone will have the jurisdiction to try any matter, dispute or difference between the parties arising out of this tender/contract. It is specifically agreed that no Court outside and other than Patiala court shall have jurisdiction in the matter.
27. Force Majeure:
Any failure of omission or commission to carry out the provision of this contract by the supplier shall not give rise to any claim by one party, one against the other, if such failure of omission or commission arises from an act of God; which shall include all acts of natural calamities such as fire, flood, earthquake, hurricane, or any pestilence or from civil strikes, compliance with any statute and/or regulations of the Government, lockouts and strikes, riots, embargoes or from any political or other reason beyond the supplier's control including war (whether declared or not) civil war or stage of insurrection, provided that notice of the occurrence of any event by either party to the other shall be given within two weeks from the date of occurrence of such an event which could be attributed to Force Majeure conditions.
28. Risk & Cost
In the event of failure to carry out the contractual obligations, within the stipulated period or extended period and determination of the contract for any reason, violation of warranties etc. the Punjabi University Patiala shall have the right to carry out the unfinished obligation at the exclusive cost and risk of the bidder, after due notice and the difference so accrued shall be recoverable from the bidder.
29. The material found defective upon opening by the supplier representative in presence of Central stores personnel/indenter of Punjabi University Patiala or not as per tendered specifications will be lifted back at the cost and risk of the supplier. The material lying in the Punjabi University Patiala premises would be at supplier's risk and cost.
30. In case of any clarification regarding tender contact at phone no. **94178881189**.

Director,
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BIDS EVALUATION PROCEDURE**Technical Bid and Financial Bid**

Punjabi University's purchase committee will evaluate the technical and financial bids. Decision of the committee would be final and binding on all the tenderers and bidders.

Evaluation of Technical bid

- (i) Before submission of the technical bid, bidders are expected to meet the qualifying criteria (Requirements) as mentioned in the tender document. Bidders failing to meet these criteria or not submitting requisite supporting documents/documentary evidence for supporting the eligibility criteria are liable to be rejected summarily.
- (ii) The technical bids must be complete in all respect and should cover the entire scope of work as stipulated in the tender document.
- (iii) The details of the evaluation of technical bid will be as follows:

Weightage System		
S. No.	Name and Required specifications of item(s)	Weightage (Total Marks: 70)
1	CO₂ solvent pump 350-500 bar 501-700 bar	Max marks 10 5 10
2	Feed capacity 2kg/day ≥3kg /day	Max marks 20 10 20
3	Extractor Working volume: 0.5 litre / cycle Working volume: 1 litre /cycle	Max marks 20 10 20
4	Co-solvent option Available	Max marks 5 5
5	Pulverizer 3hp or better motor	Max marks 5 5
6	Pulverizer Chamber size 9" or larger	Max marks 5 5
7	Warranty 3 years 5 years	Max marks 5 2 5

Note: The maximum marks for technical evaluation is 70. Tender(s) obtaining more than or equal to 35 marks will be technically qualified and those with marks less than 35 will be rejected.

- (i) The calculation will be based on the evaluation from technical bid (70%) and from price bid (30%) to determine the successful bidder.
- (ii) The total price bid for both Parts A and B of the tender document will be considered for final calculation of marks to determine the successful bidder.
- (iii) The following formula will be applied to determine the lowest bidder. Highest marks obtained in the final calculation (F) will be the lowest bidder.

$$F = [(B_{LOW} / B) \times 30] + T$$

Legends:

B = Current price bid (Total of Parts A and B)

B_{LOW} = Total price bid of the lowest bidder

T = Technical bid score out of 70

F = Final marks

In case of ties after financial opening, L1 will be finalized as per the following:

1. The bid that has maximum marks in technical weightage, will be finalized. If there is a tie in the technical weightage too, then L1 will be finalized as per the following:
2. The bid providing the highest period of warranty, will be finalized.

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ANNEXURE- B

CERTIFICATE OF WARRANTY

- i) I/We certify that the warranty shall be for a period of _____ years comprehensive onsite warranty starting from the date of satisfactory installation, commissioning and handling of the equipment and of the works conducted therewith covered under the supply order in working order. During the warranty period, I/we shall provide free "after sale service" and the replacement of any part(s) of the equipment or rectification of defects of work of the equipment will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above warranty shall begin only from the date of satisfactory and faultless functioning of the equipment for 60 days at Punjabi University Patiala premises. The benefit of change in dates of the warranty period shall be in the interest of Punjabi University, Patiala.
- ii) During the warranty period, we shall provide at least one preventive annual maintenance visit.
- iii) Uptime Guarantee: During the warranty period, we will be responsible to maintain the equipment in good working conditions for a period 328 days (i.e., 90% uptime) in a block of 365 days.
 - (a) All complaints will be attended by us within 2 weeks of receipt of the complaint in our office.
 - (b) In case there is delay of more than 2 weeks in attending to a complaint from our side then you can count the number of days in excess of the permissible response time in the downtime. The above said response time of 2 weeks for attending to a complaint by us will not be counted in the downtime.
 - (c) Penalty: We shall pay a penalty equivalent to 0.1% of the FOB value of the equipment for every week or part thereof delay in rectifying the defect.

Note: The right to accept the reason (s) for delay and consider reduction or waive off the penalty for the same shall be at the sole discretion of Registrar, Punjabi University Patiala.

- iv) We certify that the equipment being quoted is the latest model and that spares for the equipment will be available for a period of at least 10 years and we also guarantee that we will keep the organization informed of any update of the equipment over a period of 10 years.
- v) We guarantee that in case we fail to carry out the maintenance within the stipulated period, Punjabi University Patiala reserves the right to get the maintenance work carried out at our risk, cost and responsibility after informing us. All the expenses including excess payment for repairs/maintenance shall be adjusted against the Performance Bank Guarantee. In case the expenses exceed the amount of Performance Bank Guarantee, the same shall be recoverable from us with/without interest in accordance with the circumstances.
- vi) We shall try to repair the equipment at Punjabi University Patiala premises itself. However, the equipment will be taken to our site on our own expenses in case it is not possible to repair the same at Punjabi University Patiala. We shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till the equipment is rehabilitated to the Punjabi University Patiala after repair Any loss of equipment or its accessories under its charge on account of theft, fire or any other reasons shall be at our sole risk and responsibility which will be compensated to Punjabi University Patiala for such losses at the FOB/CIF value for the damaged/lost equipment/part, including accessories.
- vii) We undertake to perform calibration after every major repair/breakdown/taking the equipment for repair out of Punjabi University Patiala premises.
- viii) In case of extended warranty, we undertake to carry out annual calibration of the equipment.
- ix) We guarantee that we will supply spare parts if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price.
- x) We guarantee to the effect that before going out of production of spare parts, we will give adequate advance notice to you so that you may undertake to procure the balance of the life time requirements of spare parts.
- xi) We guarantee the entire unit against defects of manufacture, workmanship and poor quality of components.

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**TECHNICAL SPECIFICATIONS OF
SUPERCRITICAL FLUID EXTRACTION SYSTEM (SFE)**

Technical Specifications for the Supply and Installation of Supercritical Fluid Extraction System (SFE) with accessories.

Scope: The SFE system may be used by start-ups and entrepreneurs as well as researchers for preparing extracts/fractions from medicinal plants. This is an environment-friendly green technology.

Technical specifications: The required SFE system should comply with the following specifications:

S. No.	Item	Specification
1	CO ₂ cylinders	30kg (2 cylinders)
2	Pre-cooler	Brine chiller system
3	CO ₂ pump	High pressure (minimum 350 bar)
4	Preheater	Coil type (approximately 90 °C)
5	CO ₂ solvent pump	350-700 bar
6	Extractor	<ul style="list-style-type: none"> • Working volume: 1litre
7	Working conditions	<ul style="list-style-type: none"> • CO₂ Flow Rates: 50 ml/minute (±2%) • Feed capacity: 2kg/day or more • Operating Pressure: 300-700 bar • Operating temperature: 72 - 200 °C
8	Automation and Monitoring	PID controls
9	Pressure control metering valve	High precision valve
10	Temperature and Pressure Display	LED display
11	Temperature Range Temperature Precision	Ambient to 200 °C ± 0.5 °C
12	Safety devices	Over pressure alarm Rupture disc protection
13	Co-solvent option	Option to add co-solvent should be available
14	CO ₂ recycler	Required
15	Tubes/fittings/valves/ gaskets	As required
16	Stainless steel (304 or better) Pulverizer with SS blades	2hp or more motor 6" or larger chamber size
17	Installation and training	Training should be provided by vendor on operation and application of the instrument at Punjabi University, Patiala
18	Manual	One set of operating manual and service manual (in English) should be provided with the instrument. The manual should be presented in both, hard and soft copy
19	Others	The vendor should also confirm that the spares for the entire instrument will be available for a period of at least seven years after the installation of the instrument.
20	Warranty	Standard warranty for five years.

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