

DIRECTORATE OF PROCUREMENT & STORES UNIVERSITY OF SARGODHA

BIDDING DOCUMENT

Tender No: PC-II/05/2024-25



PROCUREMENT OF;

**Establishment of center of Excellence for Citrus-Sargodha, College of
Agriculture (University of Sargodha)**

Pre Bid Meeting	12-08-2024 (11:00AM)	Committee Room, Dean, Faculty of Agriculture, College of Agriculture, University of Sargodha
Submission Deadline	20-08-2024 (10:30AM)	Directorate of Procurement & Stores
Opening Date & Time	20-08-2024 (11:30AM)	

August - 2024

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1- Invitation letter

Tender Notice

University of Sargodha

Tender No: PC-II/05/2024-25

M/S (XYZ)
Lahore

Subject: Invitation letter for the procurement of Establishment of center of Excellence for Citrus-Sargodha, College of Agriculture (University of Sargodha)

With reference to your application for prequalification of firms for the procurement of Establishment of Center of Excellence for Citrus-Sargodha, College of Agriculture, University of Sargodha. Your firm has been qualified by the Technical Committee. Interested firms registered send their tender, upto **20-08-2024 at 10:30AM** and the same will be opened on the same day at **11:30AM** in the presence of representatives of the firms in Directorate of Procurement & Stores.

Note: A Pre-Bid meeting will be held on **12-08-2024 at 11:00AM** in Committee Room, Dean, Faculty of Agriculture, College of Agriculture, University of Sargodha.

Sr. No.	Description	Qty	Estimated Cost (in PKR)	Earnest Money (in PKR)
1.	HPLC, GCMS, Flame photometer, atomic absorption, Refractometer, shaking incubator, Autoclave, laminar flow clamber, Hot Air Oven, Deionizer, Distillation Unit, Refrigerated Centrifuge with multiple Rotors, Analytical Balance, Field Balance, CO ₂ Meter, Microscope, Microwave Oven, Refrigerator, Freezer (upto-20°C), pH Meter, Soxhlet Apparatus, Thermometer, Humidifier, Kjeldahl Digestion and Distillation Apparatus. (Detail specifications are attached with bidding documents)	As per bidding document	As per bidding document. Total Rs.120million	03% of the estimated cost of item to be applied.

TERMS & CONDITIONS

1. Sealed tenders (single stage two envelop) based on item rates are hereby invited for the above mention items / equipments from the prequalified firms. Bidding documents are attached with the letter and same can also be downloaded from the following link;
2. Tender rates and amounts should be filled in figures as well as in words and bidding documents should be signed as per general directions given in the bidding documents. Only item wise rates are required.
3. **03%** Scheduled Bank CDR (Refundable) of the Estimated Cost (of item in which applied) in the name of **Treasurer, University of Sargodha** must be attached with **TECHNICAL BID** as Bid Security.
4. Future conditional tenders and tenders not accompanied with earnest money 03% of the estimated cost with technical bid will not be entertained.
5. University of Sargodha and PPRA Rules 2014 (Latest Edition) will be followed in true letter and spirit.
6. In case of any unforeseen Event/ Public Holiday, Next working day with same time will be followed.

Chairman Purchase Committee
Directorate of Procurement & Stores
University of Sargodha

2- Instruction to Bidders

2.1 The Bidding Documents

2.1.1 Bidding Procedure:

- i. **Bids must be delivered sealed and as per single stage two Envelope procedure.**
- ii. Bid must be a single package consisting of **two separate envelopes**, containing separately the **financial** and the **technical** proposals. The envelopes must be marked as **“Financial Proposal”** and **“Technical Proposal”** in bold and legible letters to avoid confusion.
- iii. Bidders will have to meet the minimum eligibility criteria (knockout and bid evaluation) and Technical Evaluation report will be announced on the website of PPRA and bidders in case of any grievance against technical evaluation report may submit their grievances against Technical Evaluation report within 05 days of announcement of Technical Evaluation Report. After pause of 05 Days from announcement of Technical Evaluation Report and redressal of grievances if any, Financial bids will be opened and after opening of Financial Bids, Evaluation report will be uploaded and bidders may submit their grievances (if any) against financial evaluation within 10 Days for redressal of grievances, award of contract will be made to the lowest evaluated bidder.
- iv. The financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders after expiry of Grievance Period or redressal of grievance if any.
- v. Financial Evaluation
 - a. The lowest evaluated bidder shall be awarded the contract.

2.1.2 Amendment of bidding Documents:

- i. At any time (but not later than 03 days) prior to the deadline for submission of bids, the University, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, may modify the bidding documents by amendment. All prospective bidders that have received the bidding documents shall be notified of the amendment in writing or by phone, and shall be binding on them.
- ii. In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchase Committee University of Sargodha at its discretion, may extend the deadline for the submission of bids in the manner prescribed in PPRA Rules.

2.2 Preparation of Bids:

2.2.1 Bid Prices:

- i. The bidder shall indicate on the appropriate Price Schedule as per Bid Data Sheet, it proposes to supply under the Contract in Financial Bid.
- ii. Form of price Schedule is to be filled very carefully. Any alteration / correction must be initialed. **Every page of this bidding document is to be signed and stamped at the bottom.** Total number of the pages of bid may be mentioned.
- iii. The bidder is required to offer competitive price. All prices must include the General Sales Tax (GST) and other payable taxes and duties, where applicable. If there is no mention of taxes, the offered / quoted price shall be considered as inclusive of all prevailing taxes/duties. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the University.
- iv. Conditional offer shall be considered as non-responsive bidder.

- v. While tendering your quotation, the present trend / inflation in the rate of goods and services in the market should be kept in mind. No request for increase in price due to market fluctuation in the cost of goods and services shall be entertained.
- vi. Any offer in which the price seems to be exceptionally higher price can be rejected

2.2.2 Bid Security:

- i. The Bidder shall furnish, as part of its Bid, a Bid security in the amount specified in the Bid Data Sheet / Financial Bid Form.
- ii. The Bid Security shall be in Pakistan Rupees and shall be in form of Bank Call-deposit (CDR) / Demand Draft (DD).
- iii. Unsuccessful Bidder's Bid Security will be discharged or returned as promptly as possible but not later than (15) Days after the expiration of the period of bid validity period prescribed in Bid Data Sheet or along with unopened financial proposal as per rule 38(2)(a)(vii) of PPR-14.
- iv. The Bid Security may be forfeited:
 - a. If a bidder withdraws its bid during the period of bid validity.
 - b. If the successful bidder fails to sign the Contract in accordance with instruction to bidders.
 - c. If the contractor fails to complete the supplies in accordance with the General and Special Condition of bidding document.

2.2.3 Bid Validity:

- i. Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the University. A Bid valid for a shorter period may be rejected by the University as non-responsive.
- ii. The University shall ordinarily be under an obligation to process and evaluate the bid within the stipulated bid validity period. However, under exceptional circumstances and for reason to be recorded in writing, if an extension is considered necessary, all those who have submitted their bids shall be asked to extend their respective bid validity period. Such extension shall be for not more than the period equal to the period of the original bid validity.
- iii. bidders who, -
 - a. Agree to the University request for extension of bid validity period shall not be permitted to change the substance of their bids; and
 - b. Do not agree to an extension of the bid validity period shall be allowed to withdraw their bids without forfeiture of their bid securities (earnest money)

2.3 Preparation of Bids:

2.3.1 Late Bids:

- i. Any bid received after the deadline for submission of bids prescribed, shall be rejected and returned unopened to the bidder as per PPRA Rules.

2.3.2 Withdrawal of Bids:

- i. The bidder may withdraw its bid after the bid's submission and prior to the deadline prescribed for submission of bids.
- ii. No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in instruction to bidders. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its Bid Security (Earnest Money), pursuant to the instruction to bidders.

2.4 Opening and Evaluation of Bids:

2.4.1 Opening of Bids:

- i. Initially only the envelopes marked "TECHNICAL PROPOSAL" Shall be opened in the presence of bidders' representatives. The bidders' representatives who are

present shall sign the Attendance Sheet evidencing their attendance. However, the envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of University without being opened and till completion of the evaluation process.

- ii. The bidders / bidder’s representatives present shall sign attendance sheet as proof of their attendance.
- iii. If the bid/s cannot be opened on the date / day of submission as given in tender notice / invitation to bidders, due to unavoidable circumstances / official holiday, the tender will be opened on the next working day.

2.4.2 Confidentiality:

- i. Any effort by a Bidder to influence the University processing of Bids or award decisions may result in the rejection of its Bid.

2.4.3 Clarification of Bids:

- i. During evaluation of the bids, the Authority may, at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

2.4.4 Preliminary Examination:

- ii. All the bids shall be examined to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- iii. Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.
- iv. Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bid, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.
- v. In the financial bids the arithmetical errors shall be rectified on the following basis;
 - a. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected.
 - b. If the bidder does not accept the correction of the errors, its bid shall be rejected, and its bid Security may be forfeited. If there is a discrepancy between words and figures, the amount in words shall prevail.
- vi. Any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, may be waived provided such waiver does not prejudice or affect the relative ranking of any bidder.
- vii. If a bid is not substantially responsive, it shall be rejected and may not subsequently be made responsive by the bidder by correction of the non-conformity.
- viii. If the Bidder does not accept the correction of the errors, its bid shall be rejected, and its Bid Security may be forfeited.

2.4.5 Contacting the Procuring Agency:

- i. Subject to Instruction to Bidders, no Bidder shall contact the Procuring Agency on any matter relating to its Bid, from the time of the Bid opening to the time the evaluation report is made public i.e. 10 days before the contract is awarded. If the Bidder wishes to bring additional information or has grievance to the notice of the Procuring Agency, it should do so in writing.
- ii. Any effort by a Bidder to influence the Procuring Agency during Bid evaluation, or Bid comparison may result in the rejection of the Bidder’s Bid. The decision of Purchase Committee UOS in this regard will be final.

2.4.6 Grievance Redressal:

- i. Any Bidder feeling aggrieved by any act of the Procuring Agency after the submission of his Bid may lodge a written complaint concerning his grievances not later than ten (10) days after the announcement of the Final evaluation reports. In case of single stage - two envelope bidding procedure any bidder feeling aggrieved from technical evaluation may file a grievance within 5 days of announcement of the technical evaluation report. After completion of the technical evaluation process, the procuring agency shall immediately upload the technical evaluation report on the website of PPRA for obtaining / receiving grievance petitions from the prospective bidders (if any).
- ii. In case, the complaint/grievance is filed after the issuance of the final evaluation report, the complainant cannot raise any objection on technical evaluation of the report. Provided that the complainant may raise the objection on any part of the final evaluation report in case where single stage one envelop bidding procedure is adopted.
- iii. The Grievance Redressed Committee shall investigate and decide upon the complaint within fifteen (15) days of the receipt of the complaint. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

2.5 Award of Contract:

2.5.1 Notification of Award:

- i. Prior to the expiration of the period of Bid validity, the Directorate of Procurement & Stores will notify or supply/work order will be issued to the successful Bidder in writing on letterhead or by email, that its Bid has been accepted.
- ii. The notification of award will constitute the formation of the Contract.

2.5.2 Performance Guarantee:

- i. **Whereas required** the successful bidder will have to deposit Performance Guarantee of the contract amount (upto 10% or as mentioned in Bid Data Sheet) in the shape of CDR / Demand Draft / Bank Guarantee, within fifteen (15) days of receipt of notification of award or supply/work order from the University of Sargodha, in accordance with the Conditions of Contract, in the Performance Guarantee Form provided by the University, or in another form acceptable to the University. Performance Guarantee will be resealed after expiry of warranty period (if applicable).
- ii. Failure of the successful Bidder to comply with the requirement shall constitute sufficient grounds for the annulment of the award under PPR-14 as amended from time to time. After that, the University may decide to award the contract to the next lowest evaluated Bidder, keeping in view the Bid validity time, or call for new Bids keeping in view the concept of value for money.

2.5.3 Repeat Order / Quantity Variance:

- i. The Purchase Committee UOS reserves the right to issue repeat order within 60 days after completion of delivery of previous / first work order to successful Bidder as per PPRA Rule rule-59 (c)(iv) of PPR-14 (not more than 15%).
- ii. The Purchase Committee UOS reserves the right at the time of contract award to increase or decrease the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions, on the analogy of rule-59 (c)(iv) of PPR-14 (not more than 15%).

2.5.4 Accept or Reject All Bids:

- i. As per rule 35 of PPR-14, the Purchase Committee UOS reserves the right to accept or reject all Bids or proposals (and to annul the Bidding process) at any time prior to

the acceptance of any Bid or proposal, without thereby incurring any liability towards the Bidders.

2.5.5 Corrupt or Fraudulent Practices:

- i. The Procuring Agency Bidders, Suppliers, and Contractors observe the highest standard of ethics during the procurement and execution of contracts.
 - a. “Corrupt practices” in respect of procurement process, shall be as given in S-2 (d) of PPRA, Act, 2009
- ii. Blacklisting & Debarment
 - a. Blacklisted Consultants and those found involved in “Corrupt Practices” are not allowed to participate in bidding.
 - b. Requirements & Procedure for Blacklisting & Debarment: As per S-17A of PPRA and Act, 2009.

3. General Conditions of Contract

1. **Delays in the Supplier's Performance:**

Delivery of the goods shall be made by the Supplier in accordance with the prescribed time schedule as and when demand raised as per availability of budget. If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely delivery of the goods, the Supplier shall promptly notify the University in writing of the fact of the delay, its likely duration and its cause(s). The Purchase Committee UOS may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be granted by the Purchase Committee. A delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages, unless an extension of time is agreed upon without the application of liquidated damages.

2. **Penalties / liquidated Damages:**

In case of late delivery beyond the presented period, penalty as specified in Special Conditions of Contract shall be imposed upon the Supplier. The above Late Delivery (LD) is subject to General Conditions of Contract including late delivery for reasons beyond control. Once the maximum is reached, the Purchase Committee UOS may consider termination of the Contract. In case of supply of substandard product the destruction cost will be borne by the firm i.e. burning, Dumping, Incineration. There will be no compromise on quality, standard and specifications, In case of deficiency or fault, deduction can be made from the bill or action can be taken as per decision of Purchase Committee, UOS. Moreover, University of Sargodha reserves the right to reject the delivery and not to entertain the bill whatsoever is the case. The decision of competent Authority of UOS or Central Purchase Committee of the University in this regard will be final.

3. **Quality of Goods/Service:**

- a. The supplier will be responsible for free replacement of stocks if the same is not found to be of the same specifications as required in the Invitation of Bids / Substandard / Spurious / Misbranded / Expired. Moreover, it will replace the unconsumed expired stores without any further charges.
- b. In case of supply of substandard product, the destruction cost will be borne by the firm i.e. burning, Dumping, Incineration.

4. The supplies / items shall be delivered in accordance with the terms specified in the Schedule of Requirements.

5. **Termination for Default:**

The Purchase Committee UOS, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part, if the Supplier fails to deliver any or all installments of the goods within the period(s) specified in the Contract, or within any extension thereof granted or if the Supplier fails to perform any other obligation(s) under the Contract and if the Supplier, in the judgment of the Procuring Agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

- a. In case the firm fails to execute the contract/supply order satisfactorily with the University of Sargodha, the institution reserves the right to purchase the item from the market at the risk and cost of the defaulting firm. The University of Sargodha also reserves the right for the suspension/ cancellation of contract/blacklisting of the defaulting firm. Following the blacklisting procedure described in PPRA 2014, (amended up to Date).
- b. If the firm fails to execute the contract/supply order satisfactorily then the University reserves the right to forfeit the security of the contractor.
- c. The bidder shall furnish as part of its financial proposal / bid, of the Estimated Price (mentioned in Bid Data Sheet) of the contract as Bid Security / Earnest Money in the shape of Bank Draft, Pay Order or Call Deposit in the name of Treasurer, University of Sargodha. No personal cheque shall be acceptable. The previous bid Security (if any), if available, shall not be considered or carried forward. The bid will be rejected if Bid Security of amount is less than estimated cost of all quoted items.

6. All the taxes and stamp duty will be deducted as per prevailing Govt. policy.
7. **Late Delivery:**

Supply should be done in accordance with the time schedule mentioned in the supply/purchase order. In case of late supply, beyond the specified period, penalty @02% per month, 0.067% per day of the cost of contract will be deducted from the final payment.
8. **Inspection:** The Technical Committee of University of Sargodha will conduct the inspection:
 - a. If found substandard and not conforming to the specifications as per data sheet provided by the bidder, the same shall be returned at the cost of supplier.
 - b. If the supplier fails to replace the goods rejected by the inspection committee within the stipulated time, the goods thus supplied would be usurped, bid security forfeited and proceedings for blacklisting initiated.
9. **Incidental Charges:**

The supplier shall be responsible for all the incidental service charges including taxes. The procuring agency shall not pay any extra amount against any expenditure incurred, as the contract shall be construed as fixed amount and includes all costs.
10. **Transportation:**
 - a. The transportation of the goods/equipment to their final destination shall be arranged and paid for by the contractor/supplier.
 - b. Winning firm will be responsible for complete delivery, loading / unloading of equipments / items at respect place/s. All deliveries are required as per requirement of University of Sargodha; no extra payments will be made for delivery, loading / unloading of any item in any case.
11. **Arbitration and Resolution of Disputes: -**
 - a. In case of any dispute, decision of Vice Chancellor of University of Sargodha would be final.
12. No bidder shall be allowed to alter or modify his bid after the bids have been opened. However, the procuring agency may seek and accept clarifications to the bid that do not change the substance of the bid.
13. The bidder will submit the bid indicating the goods to be supplied, a brief description of the goods, their packing, quantity, price schedule and price of the goods.
14. The bidder is required to offer competitive price. All prices must include the General Sales Taxes and other taxes / duties, where applicable. If there is no mention of taxes, the offered / quoted price shall be considered as inclusive of all prevailing taxes / duties. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the procuring agency.
15. Prices shall be in Pak Rupee on F.O.R basis.
16. Bids shall remain valid for a period mentioned in Bid Data Sheet after opening of technical bid. The bid validity will be extendable equal to the period of the original bid validity with mutual consent of the parties. A bid valid for a shorter period shall be rejected as non-responsive.
17. If the bid acceptance within the bid validity period is not accepted by the bidder, the bid security shall be forfeited.
18. The successful bidder will furnish a Performance Guarantee (if demanded) mentioned in Bid Data Sheet of the bid value in the shape of Bank Guarantee / Pay Order / CDR in the name of Treasurer, University of Sargodha. Performance Guarantee will be released after completion of warranty period.
19. No interest shall be payable by the procuring agency on the securities.
20. The Purchase Committee UOS, at any stage of the procurement may ask the contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not.
21. Failure to submit the tender in the manner prescribed in the invitation to tender may render the tender unacceptable.
22. The Purchase Committee reserves the right of accepting the quantity offers fully or in part, subject to technical scrutiny.
23. The offer should be strictly as per specifications of the tender.

24. A bidder quoting against this invitation to the bids shall be deemed to have read and understood the conditions thereof and the particulars of the goods/services required by the University and their specification etc.
25. **Brand names (if any) are used just to show specifications, equivalent can apply as per PPRA Rules.**
26. **Item wise rate is required. Bidder must quote Item wise lumpsum rate as prescribed in Financial Bid Form / Price Schedule.**
27. **The bidder/firm will be responsible to deliver the required chemical / glassware / items / equipments in adequate packing according to standards and safety guidelines. In case of any unfortunate damage during transit / handling, the bidder/firm will take the whole responsibility of the consequences and also be responsible to replace the damaged item/s.**
28. Conditional bid shall not be accepted.
29. The Supplier shall not be liable for forfeiture of its Performance Guarantee, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring Agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes. Both, the Procuring Agency and the Supplier, may agree to exclude certain widespread conditions e.g: epidemics, pandemics, quarantine restrictions etc from the purview of "Force Majeure". If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring Agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring Agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. Any difference of opinion concerning "Force Majeure" may be decided through means given herein below.
30. Each bidder is permitted to submit bids must provide a single suitable proposal for each item/ equipment. Submitting more than one proposal for any item/ equipment will be considered non compliant and will result the rejection of bid.
31. **Warranty:**
 - a. One year comprehensive warranty of all items / equipments / accessories local onsite is required.
 - b. The supplier warrants that the equipment/items/accessories are brand new, unused, genuine and as per specifications given in the bidding document. Refurbished or End of life / sale equipment/items/accessories shall not be accepted.

4. Special Conditions of Contract

1. **Whereas required:** The manufacturer/Supplier shall submit a guarantee certificate at the time of delivery that the supplied are brand new, of approved/demanded model, absolutely free from material and manufacturing defects and are in accordance with the specifications given in the bidding documents. The contractor shall supply two copies of service manual.
2. **Whereas required:** the manufacturer/Supplier shall furnish an undertaking to provide the after-sale service for the comprehensive warranty period as per mentioned in the specifications / bid data sheet from the date of installation/commissioning etc.
3. The contractor may be required by University of Sargodha to get the sample of one or all the tender items approved prior to final purchase order.
4. Equipment/machinery/Items shall be supplied on “Turn Key” basis meaning thereby that all the pre-requisites for the efficient working of the machinery/equipment/items to be supplied and installed by the contractor are fulfilled.
5. Payment will be made in Pak Rupees.
6. If any firm competes for any tender / lot then it will be assumed that firm has accepted all terms & conditions issued by University of Sargodha in the bidding document.

5. Bid Data Sheet

Sr. No.	Amendments of, and supplements to, Clauses in the Instruction to Bidders.
A. INTRODUCTION	
1.	Name of Procuring Agency: University Of Sargodha The subject of procurement is: Establishment of Center of Excellence for Citrus-Sargodha, College of Agriculture, University of Sargodha. Period for delivery of goods: (as mentioned in schedule of requirement) Commencement date for delivery of Goods: Immediately after signing the contract.
2.	Financial year for the operations of the Procuring Agency: 2024-25 Name of Project / Grant (Non Development): Non-development Name of financing institution: University of Sargodha
B. BIDDING DOCUMENTS	
3.	The address for clarification of Bidding Documents: Directorate of Procurement & Stores University of Sargodha. Pre-bid Meeting will be held on 12-08-2024 at Committee Room, Dean, Faculty of agriculture, College of agriculture, university of Sargodha
C. BID PRICE, CURRENCY, LANGUAGE AND COUNTRY OF ORIGIN	
4.	Bid Language: English
5.	The Price quoted shall be inclusive of all applicable taxes.
6.	The Price shall be fixed.
D. PREPARATION AND SUBMISSION OF BIDS	
7.	Qualification Criteria/Knockdown criteria; <ol style="list-style-type: none"> i. Tender Document Fee in form of Demand Draft (Non-refundable) ii. Signature of the bidder or his authorized signatory on each page of the bidding document as acceptance of the terms and conditions contained in the tender document. iii. An affidavit on e-stamp paper of Rs.100/- regarding acceptance of terms and conditions of the bid/contract, and not being blacklisted (as per sample form). iv. Original CDR / Demand Draft (Refundable) as bid security in the name of Treasurer, University of Sargodha with Technical Bid (In case of fictitious CDR, Bank Guarantee, bid of the firm will be rejected and or action can be taken against the firm as decided by Purchase Committee UOS).
8.	Bid shall be submitted to: Directorate of Procurement & Stores UOS
9.	The deadline for Bid submission is: <ol style="list-style-type: none"> i. Day: Tuesday ii. Date: 20-08-2024 iii. Time: 10:30AM
10.	Bids will be opened at 11:30AM on 20-08-2024 in Directorate of Procurement & Stores, University of Sargodha
11.	Amount of Performance Guarantee will be upto 10% of the contract amount, in shape of Bank call-deposit Receipt (CDR) / Demand Draft (DD) / Bank Guarantee (if demanded).
12.	Bidder will submit Bid Security in the name of “Treasurer, University of Sargodha”. Estimated Cost is: Rs.120 million/- Amount of Bid security is: 02% of the estimated cost of item to be applied.
13.	Bid validity period after opening of the bid is 120 days.
14.	Number of copies of the bid to be provided: Only one

E. Bid Evaluation Criteria

Sr. No.	Equipment detail specification	Company Name		
		Company 1	Company 2	Company 3 (so on)
1	Items/ Equipments detail	Complaint/ Non Complaint	Complaint/ Non Complaint	Complaint/ Non Complaint

F. Award of Contract

1.	Percentage for quantity increase or decrease is: 15%
2.	The Performance Guarantee will be: upto 10% (if demanded)
3.	The Performance Security (or guarantee) shall be in the form of: Call Deposit Receipt (CDR) / Bank Guarantee.

6. Schedule of Requirements

Sr. No.	Description	Qty	Delivery Schedule (shipment) in weeks
1.	HPLC, GCMS, Flame photometer, atomic absorption, Refractometer, shaking incubator, Autoclave, laminar flow clamber, Hot Air Oven, Deionizer, Distillation Unit, Refrigerated Centrifuge with multiple Rotors, Analytical Balance, Field Balance, CO ₂ Meter, Microscope, Microwave Oven, Refrigerator, Freezer (upto-20°C), pH Meter, Soxhlet Apparatus, Thermometer, Humidifier, Kjeldahl Digestion and Distillation Apparatus.	As per technical bid form	Within 12 Weeks after issuance of supply / work order.

7. Bid Form

(To be signed & stamped by the Bidder, preferably on the letterhead. To be attached with the Bid, in case of Single Stage One Envelope Procedure and with the Financial Bid, in case of Single Stage Two Envelope Procedure)

Date: _____

To:
Chairman Purchase Committee
Directorate of Procurement & Stores
University of Sargodha

Dear Sir/ Madam:

Having examined the Bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver the goods under the above named contract in full conformity with the said Bidding documents and at the rates / unit prices described in the Schedule of Prices or such other sums as may be determined in accordance with term and conditions of the contract.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we undertake to provide a performance guarantee of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring Agency.

We agree to abide by this Bid for the Bid Validity Period specified in the Bid Data Sheet, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed (if required), this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____ day of _____ 20_____.

(signature)

(in the capacity of)

Duly authorized to sign Bid for and on behalf of _____

8. Affidavit

(To be printed on PKR.100/- E-stamp Paper, duly attested by oath commissioner. To be attached with Technical Bid)

Name: _____
(Applicant)

I, the undersigned, do hereby certify that all the statements made in the Bidding document and in the supporting documents are true, correct and valid to the best of my knowledge and belief and may be verified by employer if the Employer, at any time, deems it necessary.

The undersigned hereby authorize and request the bank, person, company or corporation to furnish any additional information requested by the University of Sargodha of the Punjab deemed necessary to verify this statement regarding my (our) competence and general reputation.

The undersigned understands and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the University of Sargodha. The undersigned further affirms on behalf of the firm that:

- i. The firm is neither currently blacklisted by any Department nor any litigations pending before PPRA or any other court of law competence in this regard against any such blacklisting order.
- ii. The documents/photocopies provided with Bid are authentic. In case, any fake/bogus document was found at any stage, the firm shall be blacklisted as per Law/Rules.
- iii. Affidavit for correctness of information.
- iv. Contractor/firm is not blacklisted or subject to any pending litigation with any Government or Public Department.
- v. The documents/photocopies provided with Bid are authentic (In case of any fake/bogus document look at any stage, the procurement agency reserves the rights to take action for blacklisting of contractor/firm as per Rules/Laws).
- vi. Anti bribery and anti corruption;
 - a. Each party agrees to comply with the laws and regulations that apply and its business with the other party, particularly anti bribery and anti corruption laws and regulations.
 - b. Each party warrants and represent that they setup internal controls processes and anti bribery and anti corruption (ABAC) policies to ensure that their personnel or always conducting business with other party in accordance with such processes, policies and applicable laws and regulations.
 - c. Each party agrees that the obligations under this clause shall extend to include their owners, directors, officers, employees, sub-contractors and agents hence the breaching party shall be liable only to the extent of any breach of this clause by any of its member or directors, any officers, employees, sub-contractors and agents shall be held independently liable for any breach of this clause.
 - d. Each party further agrees to co-operate in good faith with other party and its auditors, attorneys and representatives in the event of any actual or alleged violation of anti bribery and anti corruption laws by the other party. Such co-operations includes but shall not be limited to providing the other party and its representative's prompt and complete access to relevant records and personnel as requested by the other party in order to analyze facts of the matter.
 - e. That any breach of this anti bribery and anti corruption laws by the breaching party shall be deemed material breach of this contract allowing the other party, at its sole discretion to terminate this contract.

(Name of the Contractor / Bidder / Supplier) undertakes to treat all information provided as confidential.

Signed by an authorized Officer of the company

Title of Officer: _____

Name of Company: _____

Date: _____

09. Technical Bid Form

(To be signed & Stamped by the bidder and reproduced on the letterhead. To be attached with
Technical Bid)

Establishment of center of Excellence for Citrus-Sargodha, College of Agriculture (University of Sargodha)

Sr. No.	Instruments/equipments	Specifications	Quantity	Amount
1.	HPLC	<p>Pump pressure: 5000 psi or better, Flow rate range (0.01-10.0 ml/min, in 0.01 ml increments), Delay volume is <650 ul (including Sample Management delay volume), Method linking; automated system shut down, Built in high efficiency, low volume, and vacuum degassing system with separate vacuum chambers for each solvent. Flow precision of $\leq 0.075\%$ RSD with flow accuracy of $\pm 1\%$. Compositional accuracy is $<0.5\%$ and compositional precision is $<0.5\%$, both measured at 1 ml/min., temperature control module for controlling the sample temperature compartment between 4 and 40°C in 1° increments. Automatic routines for adding, mixing and injecting Derivatized samples. Needle wash system that uses fresh solvent with each injection. Random access to any vial for multi-method operation. Programmable needle height control to help protect the needle from damage and allow greater flexibility when using advanced routines. All electric design for convenience and reliability. Precision is $<0.5\%$ for injections from 5-80 ul. Linearity is >0.999 coefficient of deviation from 1-100 ul. Carryover is $<0.0025\%$ from previous injection (Caffeine). 0.00 to 2000 ul Injection range with up to 99 injections per vial. Sample capacity is 120 (2ml) vials. Limited volume inserts allow as little as 0.1ul from 7ul. Events include 2 inject starts, inject stop and programmable contact closure. Forced air recirculation Peltier-based column heater module, Temperature range: 4°C to 65° C, Must have option to accommodate column switching valve & 300cm columns. Low noise sensitivity = $<10 \mu\text{AU}$, 190-700 nm with 1.2 nm Digital and Optical Resolution. Spectral exposure optimization to maximize the signal-to-noise across the entire wavelength range with a single Deuterium lamp, Flexible sampling rates for normal and fast LC separations from 1 to 80 Hz Independent optimization of Data Rate and Time Constant. Lamp Optimization Software – ensures the same light energy output for the entire life of the detector lamp. One lamp – not two – cuts the cost of maintenance and avoids the problem of lamp solarization, which is seen in two lamp systems, when the light from one lamp hazes the glass of the second lamp. Only one moving part – which means fewer parts to wear. Software can run detector as a single wavelength, multi-wavelength or spectral detector. Specialized routines such as MaxPlot, Purity determinations and spectral libraries. Collect 8 channels of 2D data at user defined bandwidth for user optimization of 2D detection. Complete system with original CDS software fully compliant with 21 CFR Part 11 guidelines. Software must have option to multi-vendor system connectivity. Software must have LIMS / LMS support, System must control mass spectrometry data with mass spectrometer upgradation. Must include System suitability for HPLC & Detector System qualification services (IQ/OQ) with original documentation. advanced system control data acquisition, and custom reporting features of Software, System must provide documentation to meet G 3KVA UPS with dry batteries 30 minutes backup), Comprehensive warranty for one year, Installation and training by factory trained engineer. Advance training for two persons at manufacturing site.</p> <p>Country of manufacturing should be Europe, USA and UK</p>	01No.	30.5
2.	GCMS	<p>Full AEFC should be for all inlets and detectors. Control range and resolution should designed optimal for split/splitless inlet and MS detector. AEFC with capillary columns provides four column flow control modes: constant pressure; constant flow; ramped flow; ramped pressure. Column average linear velocity calculation should be available, LCD touchscreen with a list of functions: Run status monitoring; Method look-up; Maintenance user help; Column Oven, Operating temperature range suitable for most chromatographic separations: from ambient temperature +4 °C to 450 °C. Temperature set point resolution: 0.1 °C, Max temperature ramp rate: 150 °C /min, Plateau/ramps: 42 oven ramps, Maximum number of inlets installed: one, Split ratios to avoid column overload: up to 200:1, AEFC pressure range: 0–100 psig (0 to 680 kPa), Maximum operating temperature: 400 °C. LCD Touchscreen with a list of functions: System status monitoring; Pump down ; Power on/off; IP address setting; Mass range: 15 -1200 Da Instrument Detection Limit: $< 10\text{fg}$, (EI SIM, 1-μL injection of 100/μL OFN standard at m/z 272), Quad Resolution: >0.1 Da, EI Ion source: inert isothermal Electron Impact Ion source, ionization energy range: 0 – 200Ev, Transfer line Temperature range: 50 – 350 C, Emission current: 50 – 150uA, S-Filter: S-shaped pre-filter for off-axis ion optics to eliminate photon and neutral noise, Acquisition Rate, SIM: SIM: 2 – 20 Scan/sec, Scan speed, Full-scan: <20000 Da/sec, Synchronous SIM/Scan, On-the-fly interrogation of experimental data, including extraction of deconvoluted spectra and extracted ion chromatograms, On-the-fly spectrum extraction and library search while moving a user-defined time window along Total Ion Current Chromatogram, On-the-fly library search reporting of the extracted spectra while moving a user-defined time</p>	01No.	58.88

Sr. No.	Instruments/equipments	Specifications	Quantity	Amount
		<p>window along Total Ion Chromatogram, Batch processing of data from multiple experiment, User-defined rules for batch processing, Automatic definition and integration of each co-eluting compound peak enabled by built-in deconvolution algorithm extracting the compounds spectra from mass-chromatogram, Conversion of mass-chromatograms' source data measured in the 'Scan' mode into widely acceptable formats for further processing in specialized software packages (AMDIS; MZMine, XCMS, MetGem, Metabo Analyst; F-Search; GNPS; Origin Pro), Interrogation of Total Ion Current Chromatogram for a compound presence by applying set of masses and their ratios pooled from MS-database by the target compound name, Automatic plotting most abundant EIC signals for a highlighted peaks on TIC, User created handbook to store correct peak integration patterns for selected complex matrices, Automatic calculation of SIM time segments for a SIM method based on the list of target compounds, Automatic assignment of dwell-times in SIM mode, providing optimal balance between measurement rates and sensitivity for SIM ions, regardless the number of ion masses per a time segment, Option to use an operator-defined rule either to interrogate SIM ion library, or MS Spectra including user experimental data for optimal selection of ions for SIM method Automatic check-up of data acquisition parameters to prevent a user from setting incorrect or incompatible parameters in the data acquisition method, Automatic building of SIM method for the list of target compounds from data acquired in Full SCAN mode, SIM method automatically derived from SCAN data must include selected ions' grouping into time segments for optimal dwell-time assignments, Option to use an operator-defined rule either to interrogate SIM ion library, or MS Spectra including user experimental data for optimal selection of ions for SIM method, one-click adjustment of SIM method, to compensate for changes in chromatographic conditions. building of quantification curves for all of the user-defined SIM masses, each curve scored with a metric of quality of fit adjustment of quantification method at the stage of analytical sample processing by alternating different quantification curves (or weighted sum of all of them) to achieve higher quantification precision by minimizing negative effects of chemical noise interference, Mass spectrometer Performance test tools, Assessment of centroid position of a user defined mass peak over batch of samples, reported as mass-assignment precision RSD. Monitoring of mass axis stability over user defined mass range and batch of samples. Calibration verification test feature, Editable by user built-in library of experimentally proven or expert-selected masses of SIM ions, with reference intensities and chemical compounds' CAS Numbers, that can be recommended for a SIM method. Gas filter, Copper tubing 1/8", 50ft, Inlet septa, 11 mm, Liner, L =78.5 mm 4.0 mm ID/6.3 mm OD, Liner O-ring, Liner inlet seal, Inlet ferrule, compact, GCMS i/face ferrule (VG), Column nuts for Inlet, Column nuts for interface, GC Column -5MS; 30m x0.25mm x0.25um, Consumable Kit Local branded Core i5 latest generation PC with laserjet Printer & 24" LED Local branded compatible 5KVA UPS with dry batteries with surge protection. 30 minutes backup Hydrogen Gas Cylinder with Regulator Nitrogen Gas Cylinder with regulator Advance training for two persons at manufacturing site for one week. Country of manufacturing should be Europe, USA and UK</p>		
3.	FLAME PHOTOMETER	<p>Push button ignition, Switchable decimal point, Electronic flame failure detection, Filter wheel for fast changing of analytical parameters, Fine and coarse sensitivity controls, Operates on propane or butane or natural gas or L.P.G. supplies , Recorder output, Economically priced, 0.15ppm, 0.50 - 10ppm Na, 0.20ppm, 0.75 - 25ppm K, 0.25ppm, 0.75 - 20ppm Li, <1% coefficient of variation for 20 consecutive samples using 10ppm Na set to read 50.0 Reproducibility, Better than 2% when concentration of 3ppm Na and K and 5ppm Li are set to read 100 Linearity, Interference from Na, K, and Li equal in concentration to test element will be less than 0.5% Recorder Specificity, Nominal 1.00V for a reading of 100.0 Output, 250V @ 50 / 60Hz, Moisture and oil free 6 liter / minute at 1Kg/cm2 (14psi) Air, Propane, butane, natural, gas, or L.P.G. Fuel, 0 - 199.9 Range, Regulator, air Compressor USA/ EUROPE</p>	01No.	6
4.	REFRACTOMETER	<p>Large backlit color TFT display, Automatic temperature compensation, User-defined zero setting function, Anti-interference from light, 1.3330 ~ 1.3900 RI Range, 0.0001 RI Divisions, ±0.0003 RI Accuracy, 0 ~ 35% Brix Range, 0.1 Brix Divisions, ±0.2 Brix Accuracy, 0°C-39.5°C Temperature measurement range, ±0.5°C Precision of measurement temperature, 5°C-40°C Automatic temperature compensation, 0.3ml Minimum sample volume, ≤3seconds Measuring response time, 2×AAA Batteries Power supply, ≥5000 readings Battery life GERMANY/ USA/ EUROPE/CHINA OR EQUIVALENT</p>	01No.	0.15
5.	SHAKING INCUBATOR	<p>Refrigerated front opening, Artificial Intelligence system precise temperature. Special convection, Automatic stop function, transparent acrylic cover, DC motor no vibration., Refrigeration available up to 4°C (at less than 16°C RT), 12 °C below, Ambient to 60 °C Temperature, ±1.0°C at 37°C Temperature Accuracy, ±0.1°C Temperature Increment, Microprocessor Digital PID Control, Speed range: 30 to 300 rpm, Speed</p>	01No.	2.1

Sr. No.	Instruments/equipments	Specifications	Quantity	Amount
		Accuracy: ±1rpm, Speed Increment: 1rpm, Time: up to 47h 59 min Time range Accuracy: ±1%, Beltless Direct Drive, 22 mm Orbit, Touch Button panel, universal Platform , 250 ml x 23 ea Platform, Artificial Intelligence system, Suitable for bench space, Precise temperature control, Automatic stop function, Once-piece construction with acrylic cover, Easy to change various accessory platforms, Watch dog function , infrared sterilizer, LED Display, 300~830 °C Temperature range, 825±50 °C Central zone max temperature, Ceramic Heating tube, ABS Shell, -10~50 °C Working temperature, <80 % RH Working humidity, -40~60 °C Storage temperature, 10~90 % RH Storage humidity USA/UK/EUROPE/KOREA EQUIVALENT		
6.	AUTOCLAVE	High quality all stainless steel material, Hand wheel translation type quick opening structure Safety interlocking device, LCD display working status, touch buttons, Automatically discharge cold air, and automatically discharge steam after sterilization, Over-temperature, over-pressure automatic protection function, Water cut protection control, Self-expanding seal, The buzzer will automatically stop when the sterilization is over, Simple operation, safe and reliable, 99.9L Chamber volume, 0.22Mpa Working pressure, 134°C Working temperature, 0.23 Mpa Max working pressure, ≤±1°C Heat average, 1 - 250 minute Timer, 105~134°C Adjustment of temperature, AC220V.50Hz, Mini Centrifuge, Quick-spin feature, Quiet operation, low vibration, Tool-free, quick rotor exchange Includes: 6 x 1.5/2.0mL tube rotor, 16 x 0.2mL tube rotor (singles or 2 x 8 strip), 6 tube adapters 0.2mL, 6 tube adapters 0.5mL, storage case for rotors and adapters, tube rack, universal power adapter 110-240V 50/60 Hz, with 4 interchangeable plug type, Capacity: 6 x 2 MI, Max. Speed: 6,000 rpm, Max. RCF: 2,000 x g, Noise Level: 51-53 dB(A), Temperature Range: Ambient temperature, Certifications/Compliance: CSA, CE, UL USA/EUROPE/CHINA OR EQUIVALENT	01No.	2.1
7.	LAMINAR FLOW CHAMBER	1290*810*2030mm External Size (W*D*H), 1185*495*565mm Internal Size (W*D*H), 749mm Work Surface Height, LCD Display, Average of 0.3~0.5m/s Airflow Velocity, Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel, Side and Front Window: 5mm toughened glass, anti-UV, Polyester fiber, washable Pre-filter, 99.995% efficiency at 0.3µm HEPA Filter, <65dB Noise, Motorized Front Window, 430mm Max Opening, 12W*1 LED Lamp, 30W*1 UV Lamp, Emission of 253.7 nanometers, total load ≤500W Waterproof Socket Two, Universal caster with leveling feet, AC220V±10%, 50/60Hz, LED lamp; UV lamp*2; Base stand; Gas Tap; Waterproof socket*2; Standard Accessory, including Stool Chair (imported) USA/EUROPE/CHINA OR EQUIVALENT	01No.	1.25
8.	HOT AIR OVEN	Automatic reset function incoming power cut, Buzzer on when set time arrived, Door open alarm Electric leakage breaker, Over Temp Controller, 53.5 L Capacity, Natural Air Circulation, Ambient +10°C to 218°C Temp Range, 00.00 to 99HR 59MIN (MIN SEC) Selectable Digital Counter Timer Time Range, Microprocessor PID Membrane Touch Digital controller Temp & Time controller, Stainless Steel Material Internal, Steel Plate With Powder Heating Coated Material External, 2 Supplied Shelves, 230V ,50/60Hz, USA/EUROPE/JAPAN/KOREA	01No.	0.3
9.	DEIONIZER	Up to 37 L/hr. Flow Rate, 5 to 70 psi Inlet Pressure, 25,000 to 18,000,000Ω-cm Resistivity, 240 V 50/60 Hz Electrical, Point-of-use polishing of pretreated water or single-stage treatment of tap water, Direct-reading purity monitor, Mounts on benchtop or wall, Include Cartridge to produce ultrapure water USA/EUROPE/JAPAN	01No.	0.68
10.	DISTILLATION UNIT GLASS	240 V 50/60 Hz, 0.89 gal./hr. Flow Rate, 21 to 99.9 psi Inlet Pressure, 4°C to 37°C Inlet Water Temperature, 85°C to 96.5°C Vent Temperature, Vertical condenser design provides maximum purity. High temperature cut off shuts down the still if the temperature is too high, preventing heating element burnout. Quick-release cover provides easy cleaning access. Connection to optional Automatic Connection System, Stills produce water with a resistivity of 1 to 10MΩ-cm, include storage bottle USA/EUROPE/JAPAN	01No.	2.54
11.	REFRIGERATED CENTRIFUGE WITH MULTIPLE ROTORS	Up to 6 programs via push button and high contrast LCD interface, Capacity: 1.5 L, Capacity: 4 x 400ml; Max. RCF: 25,600 x g; Max. Speed: 15,100 rpm; Temperature Range: -10°C to +40°C; Environmental stress : <68 dB(A); Timer: 99 h, 59 min (increments of 1 minutes); Refrigerated: Yes; Display: LED Digital; Safety Features: short Spin, Imbalance detection, program resuming, finger-pinch prevention, Pre-cooling, breakage-proof construction; Voltage: 230 V; Controller Type: Microprocessor; Acceleration and Braking: 9/10; Dimensions (HWD): 36.2 x 62.5 x 66 cm; Drive System: Direct, Induction Low Profile; low energy consumption, Fixed Angle Rotor; Material: Aluminum; Capacity: 6 x 94 mL; Max. RCF: 15,090 x g; Max. Speed: 10,350 rpm; Radius: 12.6 cm; Radius Min.: 6.1 cm; Max. Tube Length: 104	01No.	5.75

Sr. No.	Instruments/equipments	Specifications	Quantity	Amount
		mm; Max. Tube Diameter: 37 mm; Angle: 45°; lid, Fixed angle Adapter Capacity: 6 x 15 ml Conical Bottom Tube; Fixed angle adapter Capacity: 6 x 50ml Conical bottom tube; Fixed Angle Rotor Capacity: 30 x 2 mL; Max. RCF: 25,700 x g; Max. Speed: 15,000 rpm; Radius: 10 cm; Max. Tube Length: 50 mm; Max. Tube Diameter: 11 mm; Angle: 45° With lid., Freezing Container: Holds 12 to 18 tubes and has profile height of 86 or 151mm (3-7/16 to 5-5/16 in.), which saves precious freezer space during the cooling process		
12.	ANALYTICAL BALANCE	Stainless steel weighing surface with windproof cover cast aluminum, LCD display; Weighing range: 220g; 7 weighing units (g, ct, ozt, oz, GN, dwt, lb); Readability: 0.1mg; Tare range: 0-220g; Weighing plate: Ø 90 mm; Power supply: AC 230V 50Hz/60Hz; Linearity: ±0.3 mg; Reproducibility: 0.2 mg; Stabilization time: < 5 s Operating temperature: 18-22 °C; Humidity: (53-70)%RH; Sensor with force compensation technology; Calibration: Internal, time and temperature controlled; Minimum weight: 2 mg; Warming up time: 1 h; Minimum weight: 0.1 mg; Reference piece numbers: 1, 10, 20, 50, 100; weight: 10 kg; Underfloor weighing: Yes; Interface: RS 232C GERMANY/ USA/ EUROPE	01No.	0.19
13.	FIELD BALANCE	29.5kg Capacity, 1g Resolution(d), 5d Linearity, 2 weighing units: g, lb, Counting function(Reference Num:1/10/20/50/100), Stainless steel weighing plate, Auto calibration, Strain gauge, Full range tare, LED display, 330x215mm Dimension of platform, 3d Minimum Weight, <3s Stabilization time GERMANY/ USA/ EUROPE	01No.	0.1
14.	CO2 METER	Detect CO2 with temperature and humidity. LCD Display.	01No.	0.1
15.	MICROSCOPE	Trinocular Head, 45° Inclined, 360° Rotatable, ±5 Diopter Adjustable, Interpupillary Adjustment 54-75mm, With Eyepiece Adapter + 1.0x C-Mount, 7x-45x Magnification, WF10x/20mm, High Eyepoint Eyepiece, 99mm, Up To 31~176mm With Auxiliary Objectives Working Distance, 0.7~4.5x Zoom Lens, 1:6.5 Zoom Ratio, 1~95.1mm Field of View, Coarse Focusing Knob, Upper/Bottom LED, Brightness Adjustable Light Source, BL3 Big Square Base Pole Stand, With Up/Bottom LED, Camera, USB2.0 CMOS Digital Camera, C-Mount 14M, 1/2.3", USB2.0, C-Mount USA/ EUROPE/ GERMANY	01No.	0.65
16.	MICROWAVE OVEN	20 liter capacity, Touch LED display, Dawlance/Orient	01No.	0.1
17.	REFRIGERATOR	18 CFT- inverter, Dawlance/Orient/Haier/Pel	01No.	0.2
18.	Freezer -20C	398 L Capacity, -12°C to -30°C Temperature Range, -20°C Temperature (Setpoint), Solid Door Style, 1 No. of Doors, Steel Cabinet Material, Painted Steel Interior, Painted Steel Exterior Finish, Whisper quiet operation < 50 Dba, White painted interior and exterior, Temperature, door ajar, and power failure (with battery backup) alarms. Low heat output, Rear access port, Keyed Lock, LED interior lighting, Green hydrocarbon refrigerants, Remote alarm contacts, 4 Adjustable Shelves, 28.5 kg Capacity Shelf, Casters, Digital Microprocessor Control Type, Boxed Packaging Type, Key Lock, Access Security, Smart View Compatibility, 230 V/50 Hz, Energy Efficient, R290 Refrigerant USA/ EUROPE/ JAPAN	01No.	2.87
19.	PH METER	Built-in microprocessor chip has Intelligent functions such as automatic calibration, ATC, data storage, clock display, USB output, function settings, automatic power-off and low voltage alarm, etc. pH: Measuring range: (-2 ~ 19.999)pH, Resolution: 0.1/0.01pH, Accuracy: ±0.02 pH, Input current: ≤2×10 ⁻¹² A, Input impedance ≥1×10 ¹² Ω, Stability: ±0.002 pH/3h, Temp. compensation range: (0 ~ 100)°C, auto/manual, (-10 ~ 110)°C Temperature Measuring range, 0.1°C Temperature Resolution, 5~ 60°C: range: ±0.4°C; other range: ±0.8°C Temperature Accuracy, 1, 2, 3 point Calibration, 5-Inch white backlit LCD screen Display, 200 sets Data storage, Micro USB & Standard USB USA/ EUROPE/ CHINA OR EQUIVALENT	01No.	0.13
20.	THERMOMETER		01No.	0.01
21.	HUMIDIFIER	Material: ABS+PP+silicone, Power: 1.5W, Water tank capacity: 420ML, usage time: Timed long spray: about 8h, Spray at fixed time: about 10-12h, Instructions for use: Press the switch once, direct injection function and turn on colorful lights; Press the switch twice, indirect spray function (open for 4s and stop for 6s); Press the switch three times to turn off; Long press the switch for 3s to turn on/off the colorful lights. The package includes: 1PCS×Humidifier, 1PCS×USB cable	01No.	0.4
22.	KJELDAHL AUTOMATIC NITROGEN APPARATUS	Microprocessor control, Selectable Working mode; manual mode and automatic. Large array LCD display with touch keys, easy to operate. Automatic distill control and level monitoring, Should be equipped with security parameters such water level alarm, fault alarm, difestive system security device and automatic power off if fault detected. upto 200 storage program. Construction: plastic spray steel and ABS anticorrosive surface, Should follow Principle Steps: Sampling, Assimilation, Distillation, Titration, Calculation, Sample material: Food Feed, Dairy products, Medicine, Chemical, Soil, Water and drinks. Measure range: 0.1mgN-200mgN (nitrogen content 0.1%-99%), Recovery rate: ≥99%. Repeativity: relative standard deviation < ± 1%, Distillation time:	01No.	5

Sr. No.	Instruments/equipments	Specifications	Quantity	Amount
		5-15 minutes adjustable, Cooling water consumption: distillation fraction 3L /min. Easy to operate digestive furnace, Instrument is constructed from plastic spray steel and; working area is constructed from corrosion resistant stainless steel with double insulation of Aluminium Silicate and air thermal layer with protection features such as Over pressure, Overheating and Over current protection. 8 Sample holes, Infrared Heating Module with quartz infrared heating pipe Material, Digital Temperature control mode ranging from RT-600°C with $\pm 1^\circ\text{C}$ accuracy, 0.1mgN-200mg Nitrogen Measurement range, Digestion time:60-90 min/batch, Volume:300ml GERMANY/ USA/ EUROPE		

Stamp & Signature of Bidder: _____

10. Financial Bid Form / Price Schedule

(To be signed & Stamped by the bidder and reproduced on the letterhead. To be attached with Financial Bid)

Sr. No.	Description	Total Estimated Cost	CDR Required	Qty	Item wise Amount
					(Inclusive of all taxes & duties etc.)
1.				As per technical bid form	
Total Price in figures					
Total Price in words					

Stamp & Signature of Bidder: _____

Note:

In case of difference between unit price and total price, unit price shall prevail and total price shall be “final”

In case of difference between amount in “words” and amount in “figures”, amount in “words” shall be considered final

11. Contract Agreement

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of _____ 20_____ between _____ (hereinafter called the "Procuring Agency") of the one part and _____ (hereinafter called the "Contractor/Firm") of the other part.

WHEREAS the Procuring Agency is desirous that certain Work/job, viz _____ should be executed by the Contractor/Firm and has accepted a Bid by the Contractor/Firm for the execution and completion of this Work/job.

Now this Agreement witnessed as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them by Procuring Agency in the Conditions of Contract mentioned in tender document hereinafter referred to.
2. The following documents are as major part of this agreement
 - a) Tender documents having specifications and Terms & Conditions;
 - b) Comparative/Letter of acceptance;
 - c) Supply order including delivery date;
 - d) Drawings/Samples (if-applicable);
3. In consideration of the payments to be made by the Procuring Agency to the Contractor/Firm as hereinafter mentioned, the Contractor/Firm hereby covenants with the Procuring Agency to execute/complete the Works/jobs and remedy defects therein in conformity and in all respects within the provisions of the Contract mentioned in tender document of Procuring Agency. In case of any dispute, decision of the competent authority of Procuring Agency will be final and the Contractor/Firm will obey it, whatsoever the case may be.
4. The Procuring Agency hereby covenants to pay the Contractor/Firm, in consideration of the execution/completion of the Work/job as per provisions of the Contract mentioned in tender document of Procuring Agency.
5. IN WITNESS WHEREOF the parties hereto have caused this Contract Agreement to be executed on the day, month and year first before written in accordance with their respective laws mentioned/issued by Procuring Agency time to time.

Signature of the Contactor/Firm

Signature on behalf of the Procuring Agency

(Seal)

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

Witness:

(Name, Title and Address)

(Name, Title and Address)

12. Check List

(To be signed and stamped, preferably on Bidder's letterhead pad)

The provision of this checklist is essential prerequisite along with submission of tenders (with technical proposal).

Sr. #	Detail	Responsive	Non-responsive
1.	Bid Security of estimated cost of articles / items given by the department. The Bid security must be submitted with technical proposal.		
2.	Technical Bid Form on letterhead of the firm duly signed and stamped.		
3.	Financial Bid Form on letterhead of the firm, duly signed and stamped attached with financial bid.		
4.	Bid Form on letterhead of the firm, duly signed and stamped attached with financial bid.		
5.	Singed & stamped each page of bidding document.		

Stamp & Signature of Bidder _____

13. PROCLAMATION

All terms & conditions mentioned in the Bidding Document shall be diligently followed by the bidder without exception.

This bidding document consist of 27pages.

Secretary
Purchase Committee

Chairman
Purchase Committee