



University of Agriculture, Faisalabad

Bidding Documents

Tender No.42/2022

SPECIAL INSTRUCTIONS

- No cutting, erasing is allowed in the Tender bid.
- Bid offered strictly in accordance with the bid document will only be accepted.
- Only typed bid will be accepted
- Call Deposit Receipt (CDR) will be preferred. However, Bank Guarantee may also be accepted in case of performance security. CDR and Bank Guarantee be deposited in the University relevant account and in that eventuality, the release of the requisite amount would be made in shape of crossed cheque after deductions of necessary taxes and bank charges
- All bidders and the representative visits the University of Agriculture, Faisalabad must ensure safety measures for COVID-19 as directed by the Govt. of Pakistan

THIS IS FOR STRICT COMPLIANCE, FAILING WHICH THE RESPECTIVE BID SHALL STAND CANCELLED

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Section I.

Invitation for Bids



UNIVERSITY OF AGRICULTURE, FAISALABAD
(TENDER NOTICE No.42/2022)

The prospective bidders having Income Tax, General Sales Tax, Provincial Sales Tax (if applicable) registered with relevant authority/department are invited to submit sealed tenders on the basis of Single Stage (two envelop procedure) for Purchase of Chemicals/Consumables under project titled “**Gene Editing of Biological agents for Nutritional Biochemical and Therapeutically Purpose (NCGE)**” Center for Advanced Studies in Agriculture and Food Security at University of Agriculture, Faisalabad.

Date of Receiving and Opening	25.04.2022	Receiving Time	10:00 a.m.
		Opening Time	10:30 a.m.
		Bid Security	2% of the Estimated Cost
		Tender Fee	Rs.500/-
			(Free, if Downloading)

* **Link for free Downloading:** http://uaf.edu.pk/directorates/dpiv/dpiv_tenders.html

- The prospective bidder may have bidding document carrying all details from the **Tender Cell, 1st Floor Admin. Block Treasurer's Office, University of Agriculture, Faisalabad (UAF)** subject to production of deposit receipt of Rs. 500/- in the University Income Account (No.11-9/NBP, UAF Branch) or to download free at the *link mentioned above. The bidders shall submit the bids in the Tender Cell as per schedule. The bids will be opened in the Directorate of Procurement & Inventory Control, UAF as per date & time mentioned above.
- The UAF will not be responsible for any cost or expense incurred by the bidder in connection with the preparation or delivery of bids. In case of official holiday on the day of submission, the next day will be treated as closing date.

DIRECTOR (DPIC)
(For & On behalf of the Committee)
Phone#041-9200898, 9200161
Extn.3503/3504/3505/3506/3507
E.Mail: dpic@uaf.edu.pk
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Section II.

Instructions to Bidders

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Instructions to Bidders

A. Introduction

- 1. Source of Funds** University of Agriculture, Faisalabad.
- 2. Eligible Bidders**
 - 2.1 The invitation for Bids is opened to all supplier having trade relations with Pakistan and registration for National Tax Number & Sales Tax Number with Federal Board of Revenue
 - 2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.
 - 2.3 Only Government owned enterprises may participate, only if they are legally allowed.
 - 2.4 bidders shall not be under a declaration of ineligibility in accordance with ITB 36.1&37 by any Government organization. The bidder shall provide affidavit to this effect.
- 3. Eligible Goods and Services**
 - 3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such goods and services.
 - 3.2 For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.
 - 3.3 The origin of goods and services is distinct from the nationality of the Bidder.
- 4. Cost of Bidding**
 - 4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser named in the bid date sheet, hereinafter referred to as “the purchaser” will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. The Bidding Documents

- 5. Content of Bidding Documents**
- 5.1 The goods required, bidding procedures, and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:
- (a) Instructions to Bidders (ITB)
 - (b) Bid Data Sheet
 - (c) General Conditions of Contract (GCC)
 - (d) Special Conditions of Contract (SCC)
 - (e) Schedule of Requirements
 - (f) Technical Specifications
 - (g) Bid Form and Price Schedules
 - (h) Manufacturer's Authorization Form
 - (i) Integrity pact.
 - (j) Mechanism of Blacklisting and Deregistration
- 5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.
- 6. Clarification of Bidding Documents**
- 6.1 A prospective Bidder requiring any clarification of the bidding documents may notify the Purchaser in writing at the Purchaser's address indicated in the **Bid Data Sheet**. The Purchaser will respond in writing to any request for clarification of the bidding documents which it receives prior to the deadline for the submission of bids prescribed in ITB Clause 19.1. Written copies of the Purchaser's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective bidders that have received the bidding documents.
- 7. Amendment of Bidding Documents**
- 7.1 At any time prior to the deadline for submission of bids, the Purchaser, 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.
- 7.2 All prospective bidders that have received the bidding documents will be notified of the amendment in writing and will be binding on them.
- 7.3 In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids.

C. Preparation of Bids

- 8. Language of Bid** 8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser shall be written in English. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified above, in which case, for purposes of interpretation of the Bid, the translation shall govern.
- 9. Documents Constituting the Bid** 9.1 The bid prepared by the Bidder shall comprise the following components:
- (a) a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12;
 - (b) documentary evidence established in accordance with ITB Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;
 - (c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and
 - (d) bid security furnished in accordance with ITB Clause 15.
- 10. Bid Form** 10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.
- 10.2 Bidders tendering for engineering goods produced in Pakistan shall be accorded a price preference in rupees up to a specific percentage (in proportion to the value addition) of the lowest quoted landed cost of an item of foreign origin with similar specifications as mentioned in the tenders:
- (1) Provided that-
 - (a) The saving in foreign exchange is not less than the amount of price preference: and
 - (b) It is ensured that in each case of such preference, the total import requirements for producing the supplies tendered for locally manufactured items has been duly indicated by the bidders.
 - (2) Price preference shall be allowed as under:-
 - (a) Having minimum of twenty percent value addition through indigenous manufacturing price preference shall fifteen percent;
 - (b) Having over twenty percent and up to thirty percent value addition through indigenous manufacturing, price preference shall be twenty percent, and
 - (c) Having over thirty percent value addition through indigenous manufacturing, price preference shall be twenty five percent.

- (3) For the purpose of granting a margin of domestic preference bids will be classified into following groups.

Group.A. Bids offering engineering goods produced in Pakistan.

Group.B. Bids offering good of foreign origin to be imported by the purchaser through the supplier's Local (Pakistan) Agent.

Group.C. Bids offering good of foreign origin to be imported by the purchaser directly.

11. Bid Prices

11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.

11.2 Prices indicated on the Price Schedule shall be entered separately in the following manner or specified otherwise in the Bid Data Sheet:-

- a). for goods offered from within Pakistan;

the price shall be quoted on FOR UAF basis. (FOR means the price of goods quoted by the bidder shall be inclusive of all costs, expenses, charges, duties and taxes etc. whatsoever incidental to their delivery, installation and commissioning as the case may be at UAF site).

- b) for goods offered from abroad by the LOCAL AGENT:

the price shall be quoted Cost and Freight (CFR), Carriage Paid to (Duty Paid) (CPT) Karachi seaport or Lahore/Faisalabad airport Pakistan, as the case may be. The bidder shall also add all cost expenses, charges, duties and taxes etc. whatsoever expect customs, incidental to delivery installation/commissioning of goods from the port of destination to UAF site. The bidder, in quoting the price, shall be free to use transportation in abroad except transit and means of transport through/of Israel. The LC at sight, as on Usance basis and Advance Payment will be governed as per following:-

i. LC AT SIGHT

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR **within fortnight** in favor of Director (DPIC) as security equal to 100% amount of the goods to initiate the LC at sight.

ii. LC ON USANCE BASIS

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR **within fortnight** in favor of Director (DPIC) as security equal to 100% amount of the goods to initiate the LC at sight.

iii. ADVANCE PAYMENT

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR **within fortnight** in favor of Director (DPIC) as security equal to 100% amount of the goods to be imported to proceed for advance payment to the exporter. However, this option will be had

where the value of the goods to be imported is up to US \$ 10,000 or varied in accordance with the instructions of the State Bank of Pakistan and Pakistan Customs issued from time to time and remittance will also be made accordingly.

iv. OPEN ACCOUNT

In case the bidder has not opted for import through LC (at sight or Usance basis or advance payment) may opt this option and shall provide Performa Invoice of principal on CPT/CFR basis as per supply order **within fortnight**. However, remittance will be made maximum up to six months from the date of filing of Goods Declaration (GD) form or otherwise as per Foreign Exchange Manual of State Bank of Pakistan and Pakistan Customs or instruction issued in this regard from time to time.

v. CONTRACT / COLLECTION

In case the bidder has not opted the options referred to “i to iv” above and may opt for this option. The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order **within fortnight**. The minimum period for remittance will be 60 days from the date of Airway Bill **OR** 90 days from the date of Bill of Lading. However, remittance will be made as per Foreign Exchange Manual of State Bank of Pakistan and Pakistan Customs or instruction issued in this regard from time to time.

vi. INCIDENTAL CHARGES FOR IMPORT OF GOODS:

All charges (Inside/outside Pakistan) like insurance, LC/bank and clearance of consignment from port/custom authorities will be borne by the bidder.

vii. RELEASE OF CDR

In case of LC at sight and advance payment to exporter, the CDR equal to 100% amount of the shipment as security will be released by Director (DPIC) after receiving of satisfactory inspection/installation/commissioning report from convener tender committee concerned.

viii. INITIATION OF REMITTANCE TO THE EXPORTER

In case of LC on usance basis, import on Open Account and Contract / Collection basis, the Director (DPIC) will initiate remittance through the concern bank to the exporter after receiving the satisfactory inspection/installation/commissioning report from the purchaser or the convener tender committee as the case may be.

DELIVERY PERIOD

After receiving the transmitted LC (at sight OR Usance Basis) OR swift acknowledgment against advance payment / proof of advance payment OR supply order on “Open Account” or “Contract / Collection” basis, the local supplier is responsible to provide complete set of shipping documents [i.e. Airway Bill/Seaway Bill/Bill of Lading, Commercial Invoice, Packing List, Country of Origin Certificate and any other document(s) related to shipment (if required) along with detail of bidder’s clearing agent for issuance of authority letter for clearance of consignment from port / custom authorities] ***within 6 weeks from the date of opening of LC (at sight or usance basis), advance payment and date of supply order for import of goods on “Open Account” or “Contract / Collection” basis. Moreover, after clearance of consignment by bidder from port / custom authorities, will deliver the consignment to the purchaser along with complete set of post shipment documents within 05 days from the date of Authority Letter.*** After expiry of the requisite period, firm will require to apply for extension in delivery period. However, after due scrutiny

the Committee may extend the delivery period with liquidated damages as per applicable rate if the delay is on part of the bidder or without liquidated damages if the delay is on the part of the procuring agency or due to “force majeure”.

NOTE:

In case of late submission of Proforma Invoice, shipping documents and delivery of goods, difference of exchange rate on higher side as well as liquidated damages shall be recovered out of belongings of the bidders @ 0.67% of the value of the goods up to maximum 10% of the value of goods.

11.3 The terms CFR, CPT, etc., shall be governed by the rules prescribed in the current edition of *Incoterms* published by the International Chamber of Commerce, Paris or otherwise specified in the Bid Data Sheet and SCC

11.4 The Bidder’s separation of price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the Purchaser and will not in any way limit the Purchaser’s right to contract on any of the terms offered.

11.5 Prices quoted by the Bidder shall be fixed during the Bidder’s performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. A bid submitted with an adjustable price quotation will be treated as non-responsive and will be rejected, pursuant to ITB Clause 24. If, however, in accordance with the Bid Data Sheet, prices quoted by the Bidder shall be subject to adjustment during the performance of the contract, a bid submitted with a fixed price quotation will not be rejected, but the price adjustment would be treated as zero.

12. Bid Currencies

12.1 Prices shall be quoted in the following currencies:

- (a) For goods and services that the Bidder will supply from within the Purchaser Country, the prices shall be quoted in Pak Rupees, unless otherwise specified in the **Bid Data Sheet**.
- (b) For goods and services that the Bidder will supply from outside the Purchaser Country, the prices shall be quoted in any currency. However the payment will only be made by the purchaser in pak rupees in case of ITB clause 11.2 (b) and SCC.

13. Documents Establishing Bidder’s Eligibility and Qualification

13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the Bidder’s eligibility to bid and its qualifications to perform the contract if its bid is accepted.

13.2 The documentary evidence of the Bidder’s eligibility to bid shall establish to the Purchaser’s satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.

13.3 The documentary evidence of the Bidder’s qualifications to perform the contract if its bid is accepted shall establish to the Purchaser’s satisfaction:

- (a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods’ Manufacturer or producer to supply the goods in the Purchaser Country;

- (b) that the Bidder has the financial, technical, and production capability necessary to perform the contract;
- (c) that, in the case of a Bidder not doing business within the Purchaser Country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (d) that the Bidder meets the qualification criteria listed in the **Bid Data Sheet**.

14. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents

- 14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract.
- 14.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:
- (a) a detailed description of the essential technical and performance characteristics of the goods;
 - (b) a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the **Bid Data Sheet**, following commencement of the use of the goods by the Purchaser; and
 - (c) an item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- 14.4 For purposes of the commentary to be furnished pursuant to ITB Clause 14.3(c) above, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Purchaser in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

15. Bid Security

- 15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security @ 2% of the Estimated Cost or in the amount specified otherwise in the **Bid Data Sheet**.
- 15.2 The bid security is required to protect the Purchaser against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7.

15.3 The bid security shall be denominated in the currency of the bid or in another freely convertible currency, and shall be in one of the following forms:

(a) Call deposit receipt (CDR).

15.4 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Purchaser as nonresponsive, pursuant to ITB Clause 24.

15.5 Unsuccessful bidders' bid securities will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Purchaser pursuant to ITB Clause 16.

15.6 The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 34, and furnishing the performance security, pursuant to ITB Clause 35.

15.7 The bid security may be forfeited:

(a) if a Bidder:

(i) withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form, or

(ii) does not accept the correction of errors pursuant to ITB Clause 24.2; or

(b) in the case of a successful Bidder, if the Bidder fails:

(i) to sign the contract in accordance with ITB Clause 34; or

(ii) to furnish performance security in accordance with ITB Clause 35.

16. Period of Validity of Bids

16.1 Bids shall remain valid for the period specified in the **Bid Data Sheet** after the deadline date of bid submission prescribed by the Purchaser, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Purchaser as nonresponsive.

16.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided under ITB Clause 15 shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid.

17. Format and Signing of Bid

17.1 The Bidder shall prepare an original bid indicated in the **Bid Data Sheet**, clearly marking each "TECHNICAL BID" and "FINANCIAL BID," as appropriate. In the event of any discrepancy between them, the original shall govern.

17.2 The original bid shall be typed and signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.

- 17.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.
- 17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

D. Submission of Bids

18. Sealing and Marking of Bids

- 18.1 The Bidder shall seal the Technical and Financial Bid in separate envelopes, duly marking the envelopes as “TECHNICAL” and “FINANCIAL.” The envelopes shall then be sealed in an outer envelope.
- 18.2 The inner and outer envelopes shall:
- (a) be addressed to the Purchaser at the address given in the **Bid Data Sheet**; and
 - (b) bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and number indicated in the Bid Data Sheet, and a statement: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the **Bid Data Sheet**, pursuant to ITB Clause 22.1.
- 18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late.”
- 18.4 If the outer envelope is not sealed and marked as required by ITB Clause 18.2, the Purchaser will assume no responsibility for the bid’s misplacement or premature opening.

19. Deadline for Submission of Bids

- 19.1 Bids must be received by the Purchaser at the address specified under ITB Clause 18.2 (a) not later than the time and date specified in the **Bid Data Sheet**.
- 19.2 The Purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and obligations of the Purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

20. Late Bids

- 20.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.

21. Modification and Withdrawal of Bids

- 21.1 The Bidder may modify or withdraw its bid after the bid’s submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Purchaser prior to the deadline prescribed for submission of bids.
- 21.2 The Bidder’s modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. A withdrawal notice may also be sent by fax, but followed by a signed confirmation copy, postmarked not later than the deadline for submission of bids.
- 21.3 No bid may be modified after the deadline for submission of bids.
- 21.4 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 by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security, pursuant to the ITB Clause 15.7.

E. Opening and Evaluation of Bids

- | | |
|---|--|
| 22. Opening of Bids by the Purchaser | <p>22.1 The Purchaser will open all bids in the presence of bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register evidencing their attendance.</p> <p>22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.</p> <p>22.3 Bids (and modifications sent pursuant to ITB Clause 21.2) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances.</p> <p>22.4 The Purchaser will prepare minutes of the bid opening.</p> |
| 23. Clarification of Bids | <p>23.1 During evaluation of the bids, the Purchaser 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.</p> |
| 24. Preliminary Examination | <p>24.1 The Purchaser will examine the bids 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.</p> <p>24.2 Arithmetical errors will be rectified on the following basis. 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. If there is a discrepancy between words and figures, the amount in words will prevail. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited.</p> <p>24.3 The Purchaser may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.</p> <p>24.4 Prior to the detailed evaluation, pursuant to ITB Clause 26, the Purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, such as those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 31), and Taxes and Duties (GCC Clause 33), will be deemed to be a material</p> |

deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

- 24.5 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

**25. Conversion
to Single
Currency**

25.1 To facilitate evaluation and comparison, the Purchaser will convert all bid prices expressed in the amounts in various currencies in which the bid prices are payable to either:

- (a) Purchaser Country at the selling exchange rate established for similar transactions by the State Bank of Pakistan and National Bank of Pakistan or specified otherwise;

25.2 The currency selected for converting bid prices to a common base for the purpose of evaluation is Pak Rupees to be converted as per rate of the bank shown in ITB 25.1 (a) on the date of opening of the financial bid or specified otherwise in the **Bid Data Sheet**.

26. Evaluation and Comparison of Bids

- 26.1 The Purchaser will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.
- 26.2 The Purchaser's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the **Bid Data Sheet**, and quantified in ITB Clause 26.3:
- (a) delivery schedule offered in the bid;
 - (b) deviations in payment schedule from that specified in the Special Conditions of Contract;
 - (c) the cost of components, mandatory spare parts, and service;
 - (d) the availability in the Purchaser's country of spare parts and after-sales services for the equipment offered in the bid;
 - (e) the projected operating and maintenance costs during the life of the equipment;
 - (f) the performance and productivity of the equipment offered; and/or
 - (g) other specific criteria indicated in the **Bid Data Sheet** and/or in the Technical Specifications.
- 26.3 For factors retained in the Bid Data Sheet pursuant to ITB 26.2, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:
- (a) *Delivery schedule.*
 - (i) The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as nonresponsive. Within this acceptable range, an adjustment per week, as specified in the **Bid Data Sheet**, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.
 - (b) *Deviation in payment schedule.*
 - (i) The SCC stipulates the payment schedule offered by the Purchaser. If a bid deviates from the schedule it will be considered as non-responsive bid.
 - (c) *Cost of spare parts.*
 - (i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation shall be specified by the bidder. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.
- or**
- (ii) The bidder will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation. The total cost of these items and quantities

will be computed from spare parts unit prices submitted by the Bidder and added to the bid price.

- (d) *Spare parts and after sales service facilities in the Purchaser's country.*

The cost to the Purchaser of establishing the minimum service facilities and parts inventories, if outlined in the **Bid Data Sheet** or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

- (e) *Operating and maintenance costs.*

Since the operating and maintenance costs of the goods under procurement form a major part of the life cycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the **Bid Data Sheet** or in the Technical Specifications.

- (f) *Performance and productivity of the equipment.*

- (i) Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid or otherwise specified in the **Bid Data Sheet** or in the Technical Specifications.

- (g) *Specific additional criteria*

Other specific additional criteria to be considered in the evaluation and the evaluation method shall be detailed in the **Bid Data Sheet** and/or the Technical Specifications.

26.4. **Delivery Schedule.**

As mentioned in Bid Data Sheet.

27. Domestic Preference

- 27.1 If the **Bid Data Sheet** so specifies, the Purchaser will grant a margin of preference to goods manufactured in the Purchaser's country for the purpose of bid comparison, in accordance with the procedures outlined in subsequent paragraphs, provided the Bidder shall have established to the satisfaction of the Purchaser that its bid complies with the criteria specified in ITB Clause 10.2 (a):
- 27.2 The Purchaser will first review the bids to confirm the appropriateness of, and to modify as necessary, the bid group classification to which bidders assigned their bids in preparing their Bid Forms and Price Schedules, pursuant to ITB Clauses 10 and 11.
- 27.3 All evaluated bids in each group will then be compared among themselves to determine the lowest evaluated bid of each group. The lowest evaluated bid of each group will next be compared with the lowest evaluated bids of the other groups. If this comparison results in a bid from Group A or Group B being the lowest, it will be selected for contract award.
- 27.4 If, as a result of the preceding comparison, the lowest evaluated bid is from Group C, all Group C bids will then be further compared with the lowest evaluated bid from Group A, after adding to the evaluated bid price of the imported goods offered in each Group C bid, for the purpose of this further comparison only:
- (a) the amount of customs duties and other import taxes that a nonexempt importer would have to pay for the importation of goods offered in each Group C bid;

If the Group A bid in the further comparison is the lowest, it will be selected for award. If not, the lowest evaluated bid from Group C, as determined from the comparison under ITB Clause 27.3 above, will be selected for award.

28. Contacting the Purchaser

- 28.1 From the time of bid opening to the time of contract award, if any bidder wishes to contact the Purchaser on any matter related to the bid, it should do so in writing.
- 28.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

F. Award of Contract**29. Post-qualification**

- 29.1 In the absence of prequalification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.
- 29.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause

13.3, as well as such other information as the Purchaser deems necessary and appropriate.

29.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Purchaser will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

**30. Award
Criteria**

30.1 Subject to ITB Clause 32, the Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

**31. Purchaser's
Right to Vary
Quantities at
Time of
Award**

31.1 The Purchaser reserves the right at the time of contract award to increase or decrease, as per requirement, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

- 32. Purchaser's Right to Accept Bid and to Reject All Bids**
- 32.1 The Purchaser reserves the right to accept bid and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders.
- 33. Notification of Award**
- 33.1 Prior to the expiration of the period of bid validity, the Purchaser will notify/inform the successful and unsuccessful Bidder in writing by letter or by Fax/ e-mail, or telephonically, that its bid has been accepted and unaccepted as the case may be.
- 33.2 The notification of award will constitute the formation of the Contract.
- 33.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 35, the Purchaser will discharge bid security to each unsuccessful Bidder on his written request, pursuant to ITB Clause 15.
- 33.4 If, after notification of award, a Bidder wishes to ascertain the grounds on which its bid was not selected, it should address its request to the Purchaser. The Purchaser will promptly respond in writing to the unsuccessful Bidder.
- 34. Signing of Contract**
- 34.1 After 10 days from the announcement of evaluation report, the Purchaser will send supply order or Formal Contract as the case may be to successful bidder. In case of formal contract, the successful bidder will send back the contract to the purchaser duly signed within 7 days from the issuance date. Failing which the Purchaser reserves the right under ITB Clause 15.7.
- 35. Performance Security**
- 35.1 Within Seven (07) days from the issuance of acceptance letter from the Purchaser, the successful Bidder shall furnish the performance security in shape of any bank instrument as desired in Page # 1 of Bidding Document. In case the amount of bid security is equal or greater than the value of the goods to be supplied then the bidder shall not require furnishing the performance security separately and the bid security will be retained to meet the requirement of performance security.
- 35.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 35.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next lowest evaluated Bidder or call for new bids. **The purchaser can also purchase at risk and cost of the 1st lowest bidder (from 2nd lowest bidder or from market).**
- 36. Corrupt or Fraudulent Practices**
- 36.1 The purchaser as well as Bidders/Suppliers/Contractors should observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the PPRA Govt. of the Punjab;
- (a) the terms set forth below as follows:
- (i) "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
- (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among

Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive

levels and to deprive the Purchaser of the benefits of free and open competition;

- (b) The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (c) The Purchaser will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a University Contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a University Contract.

36.2 Furthermore, Bidders shall be aware of the provision stated in Clauses 5.4 and 24.1 of the General Conditions of Contract.

37.Blacklisting/37.1 the Purchaser reserves the right to blacklist or deregister (may **Deregistration** impose Permanent or temporary bar for participation in the procurement proceedings respectively) the bidder as follows:-

(a) **Blacklisting:** The bidder who

- (i) Fail to perform contractual obligations or the performance under the contract is not upto the mark;
- (ii) Found to be indulging in corrupt or fraudulent practices;
- (iii) Commit an action causing or liable to cause loss to the University;
- (iv) Furnish false information;

(b) **Deregistration:** The bidder who

- (i) Submit bid as employee of the firm, or proprietor or shareholder being an employee of the University;
- (ii) Show non-responsive attitude in case of summoning by the University.
- (iii) Back out from their offers after opening of tender;
- (iv) Misbehave with the University employee;

37.2 The bidder shall provide affidavit that the firm was not declared blacklisted or deregistered by any of the Federal and Provincial Government institution.

Section III.

Bid Data Sheet

Bid Data Sheet

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

A-Introduction	
ITB 2.1	The invitation for Bids is opened to all suppliers having registration for National Tax Number & Sales Tax Number with Federal Board of Revenue.
ITB2.3	Government owned enterprises may participate, only if they are legally allowed.
ITB 2.4	In addition to the contents of ITB 2.4 the bidder shall not be blacklisted by any organization of the Government of the Punjab as well as Federal Government. The bidder shall provide affidavit to this effect.
B- Bidding Documents	
ITB 5.1(h)	Not applicable
ITB 6.1	<p>Purchaser's address: Dr. Sultan Habib Ullah Khan, Associate Professor / Project Manager CABB / CAS-AFS THROUGH</p> <p style="color: red;">Directorate of Procurement & Inventory Control (DPIC) University of Agriculture, Faisalabad Phone No. 041-9200898</p> <p style="color: red;"><u>FOR TECHNICAL RESPONSE:</u></p> <ol style="list-style-type: none"> 1. Dr. Sultan Habib Ullah Khan, Associate Professor / Project Manager, CABB / CAS-AFS 2. Dr. Iqrar Ahmad Rana, CABB 3. Dr. Muhammad Imran Arshad, Assistant Professor, Institute of Microbiology 4. Dr. Amen Shamim, Lecturer, Department of Computer Science
C-Preparation of Bid	
ITB 8.1	Language of the bid. “English”
ITB 11.2	Prices on F.O.R. basis is required
ITB 11.2 (c) ITB 11.3	Not applicable
ITB 13.3 (d)	<p>Qualification requirements attached with Technical Bid:-</p> <p>1. Company /Bidder Profile:</p> <ol style="list-style-type: none"> a. Experience 2 Years from NTN Registration b. Name of owner/proprietor c. Copy of CNIC d. Date of Establishment, Age of Firm e. Copy of NTN and Sales Tax Registration f. Valid Copy of Professional Tax g. Affidavit (Submission of undertaking on legal valid stamp paper (valuing Rs.100/-) that the firm not blacklisted by any of Provincial or Federal Government

	<p>Department, Agency, Organization or autonomous body or private Sector Organization anywhere in Pakistan</p> <p>h. Copy of last Income tax returns to be attached</p> <p>i. Authorized distributor/dealership certificate to be attached with the technical bid</p>						
ITB 15.1	<p><u>Amount of bid security.</u></p> <p>2% of the Estimated Cost in shape of Call Deposit Receipt (CDR) in favour of Director (DPIC), UAF to be attached with the technical Bid. However, if attached with financial bid, please mention CDR No., Date and Bank Name</p>						
ITB 16.1	Bid validity period. 90 Days						
ITB 17.1	Bid: Single Stage (two envelop procedure)						
D-Submission of Bid							
ITB 18.2 (a)	Address for bid submission. Tender Cell, Treasurer's Office, University of Agriculture, Faisalabad						
ITB 18.2 (b)	Tender Notice No. 42/2022						
ITB 19.1	Deadline for bid submission: 25.04.2022						
E-Bid Evaluation							
ITB 25.1(a)	State Bank or a Commercial Bank to be read as State Bank of Pakistan and National Bank of Pakistan						
ITB 25.2	The common base currency is PAK Rupee to be converted as per rate of the bank shown in ITB 25.1(a) of the bid data sheet on the date of opening of the financial bid.						
ITB 26.3 (a)(i)	The SCC stipulates the payment schedule offered by the purchaser. If a bid deviates from the schedule then it will be considered as non-responsive.						
ITB 26.3 (c)	The bidder will provide the cost of spare parts required to be replaced during whole life of the goods after the expiry of warranty period.						
ITB 26.3 (e)	<p>The bidder will provide :-</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">i) Cost of consumables</td> <td style="text-align: right;">N/A</td> </tr> <tr> <td style="padding-left: 20px;">ii) Unit of energy consumption per hour</td> <td style="text-align: right;">N/A</td> </tr> <tr> <td style="padding-left: 20px;">iii) Life cycle of the goods</td> <td style="text-align: right;">N/A</td> </tr> </table>	i) Cost of consumables	N/A	ii) Unit of energy consumption per hour	N/A	iii) Life cycle of the goods	N/A
i) Cost of consumables	N/A						
ii) Unit of energy consumption per hour	N/A						
iii) Life cycle of the goods	N/A						
ITB 26.3 (f)	Performance and productivity of Articles. As per Technical Specification						
ITB 26.3 (g)	As per specification.						
ITB 27	As per ITB clause 10.2 prior to the award of procurement contract						
ITB 33	Subject to PPRA Rule 2014/UAF Procurement Rule 2014, the bidder with the lowest evaluated bid, if not in conflict with any other law, shall be awarded the procurement contract within the original or extended bid validity period after 10 days of announcement of the evaluation report.						

Section IV.

General Conditions of Contract

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General Conditions of Contract

1. Definitions

- 1.1 In this Contract, the following terms shall be interpreted as indicated:
- (a) “The Contract” means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, or the supply order issued by the purchaser to the supplier, as the case may be, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - (b) “The Contract Price” means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
 - (c) “The Goods” means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract.
 - (d) “The Services” means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
 - (e) “GCC” means the General Conditions of Contract contained in this section.
 - (f) “SCC” means the Special Conditions of Contract.
 - (g) “The Purchaser” means the organization purchasing the Goods, as mentioned in Bid Data Sheet.
 - (h) “The Purchaser’s country” is **Pakistan**.
 - (i) “The Supplier” means the individual or firm supplying the Goods and Services under this Contract and **named in Supply Order**.
 - (j) “The University” means the **University of Agriculture, Faisalabad**.
 - (k) “The Project Site,” where applicable, means the place or places **named in Bid Data Sheet and technical specifications**
 - (l) “Day” means calendar day.

- 2. Application** 2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.
- 3. Country of Origin** 3.1 All Goods and Services supplied under the Contract shall have their origin in the countries as elaborated in the **Technical Specifications**.
- 3.2 For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.
- 4. Standards** 4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such standards shall be the latest issued by the concerned institution.
- 5. Use of Contract Documents and Information; Inspection and Audit by Purchaser** 5.1 The Supplier shall not, without the Purchaser’s prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The Supplier shall not, without the Purchaser’s prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.
- 5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier’s performance under the Contract if so required by the Purchaser.
- 5.4 The Supplier shall permit the Purchaser to inspect the Supplier’s accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Purchaser, if so required by the Purchaser.

- 6. Patent Rights** 6.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Purchaser's country.
- 7. Performance Security** 7.1 Within Seven (07) days from the issuance of acceptance letter from the Purchaser, the successful Bidder shall furnish the performance security in shape of CDR at the discretion of the Purchaser in the amount **specified in SCC**. In case the amount of bid security is equal or greater than the value of the goods to be supplied then the bidder shall not require furnishing the performance security separately, it will be retained or deducted from the bidder's claim on bidder's choice.
- 7.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 7.3 The performance security shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Purchaser and shall be in one of the following forms:
- (a) CDR issued by a reputable bank located in the Purchaser's country or abroad, acceptable to the Purchaser, in the form provided in the bidding documents or another form acceptable to the Purchaser.
- 7.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC**.
- 8. Inspections and Tests** 8.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. **SCC** and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.

8.4 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Purchaser's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods' shipment from the country of origin.

8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

9. Packing

9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Purchaser.

10. Delivery and Documents

10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.

10.2 For purposes of the Contract, "CFR," "CPT", the terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of *Incoterms* published by the International Chamber of Commerce, Paris.

10.3 Documents to be submitted by the Supplier are **specified in SCC**.

11. Insurance

- 11.1 The Goods supplied under the Contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery in the manner **specified in the SCC**.
- 11.2 Where delivery of the Goods is required by the Purchaser on a CFR or CPT basis, the Purchaser shall arrange and pay for cargo insurance, naming the supplier as beneficiary.

12. Transportation

- 12.1 Where the Supplier is required under Contract to deliver the Goods FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
- 12.2 Where the Supplier is required under Contract to deliver the Goods CFR or CPT, transport of the Goods to the port of destination or such other named place of destination in the Purchaser's country, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
- 12.3 Where the Supplier is required under the Contract to transport the Goods to a specified place of destination within the Purchaser's country, defined as the Project Site, transport to such place of destination in the Purchaser's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.
- 12.4 Where the Supplier is required under Contract to deliver the Goods CFR or CPT, no restriction shall be placed on the choice of carrier. Where the Supplier is required under Contract (a) to deliver the Goods FOB or FCA, and (b) to arrange on behalf and at the expense of the Purchaser for international transportation on specified carriers or on national flag carriers of the Purchaser's country, the Supplier may arrange for such transportation on alternative carriers if the specified or national flag carriers are not available to transport the Goods within the period(s) specified in the Contract.

13. Incidental Services

13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, **specified in SCC:**

- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

14. Spare Parts

14.1 As **specified in SCC**, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Purchaser may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
 - (i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and

materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless **specified otherwise in SCC**.

15.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the Supplier shall, within the period specified in notice or in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser.

15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in the notice or in SCC, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

16. Payment

16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be **specified in SCC**.

16.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.

16.3 Payments shall be made promptly by the Purchaser, **but in no case later than thirty (30) days** after submission of an invoice or claim by the Supplier.

16.4 The currency or currencies in which payment is made to the Supplier under this Contract shall be **specified in SCC** subject to the following general principle: payment will be made in the currency or currencies in which the payment has been requested in the Supplier's bid.

16.5 All payments shall be made in the currency or currencies specified in the SCC pursuant to GCC 16.4.

17. Prices

17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments **authorized in SCC** or in the Purchaser's request for bid validity extension, as the case may be.

18. Change Orders

18.1 The Purchaser may at any time, by a written order given to the Supplier pursuant to GCC Clause 32, make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) the method of shipment or packing;
- (c) the place of delivery; and/or
- (d) the Services to be provided by the Supplier.

18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

19. Contract Amendments

19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

20. Assignment

20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser's prior written consent.

21. Subcontracts

21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.

21.2 Subcontracts must comply with the provisions of GCC Clause 3.

22. Delays in the Supplier's Performance

- 22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.
- 22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Director (DPIC) in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Director (DPIC) shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.

23. Liquidated Damages

- 23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage **specified in SCC**. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24.

24. Termination for Default

- 24.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 22; or
 - (b) if the Supplier fails to perform any other obligation(s) under the Contract.
 - (c) if the Supplier, in the judgment of the Purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

24.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

25. Force Majeure

25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, 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.

25.2 For purposes of this clause, “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 Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser 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.

26. Termination for Insolvency

26.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

**27. Termination
for
Convenience**

- 27.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

**28. Settlement of
Disputes**

- 28.1 If any dispute or difference of any kind whatsoever shall arise between the Purchaser and the Supplier in connection with or arising out of the Contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 28.2 If the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.
- 28.2.1 Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.
- 28.2.2 Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC.**
- 28.3 Notwithstanding any reference to arbitration herein,
- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and

- (b) the Purchaser shall pay the Supplier any monies due the Supplier.
- 29. Limitation of Liability**
- 29.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6,
- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and
- (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.
- 30. Governing Language**
- 30.1 The Contract shall be written in the language **specified in SCC**. Subject to GCC Clause 31, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.
- 31. Applicable Law**
- 31.1 The Contract shall be interpreted in accordance with the laws of the Purchaser's country, unless otherwise **specified in SCC**.
- 32. Notices**
- 32.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or facsimile and confirmed in writing to the other party's address **specified in SCC**.
- 32.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.
- 33. Taxes and Duties**
- 33.1 A foreign Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's country and purchaser's country as **specified in SCC**.
- 33.2 A local Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

Section V.

Special Conditions of Contract

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SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

1. Performance Security (GCC Clause 7)

GCC 7.1—

- A. For goods offered from within Pakistan and abroad by the local agent by Pakistan:

the successful Bidder shall furnish the performance security @ 10% for the warranty period of one year of the value of Supply Order or Contract in shape of CDR or any bank instrument except bank guarantee in favour of Director (DPIC), UAF within Seven (07) days from the issuance of acceptance and 10% performance security letters from the Purchaser for permanent equipment. In case the amount of bid security is equal or greater than the value of the performance security, then the bidder shall not require to furnish the performance security separately.

- B. 2% CDR or any bank instrument except bank guarantee in favour of Director (DPIC) already received in lieu of earnest money in case of general type/consumable good(s) will be retained by the office for 3 month from the day of supply of the respective good(s) or fully consumed whichever is earlier.

2. Inspection and Tests (GCC Clause 8)

GCC 8.1- By the incumbent mentioned at sr. # 1 to 4 in committee notification in accordance with the specifications or samples or both as required.

3. The representative of the firm(s) shall present the Authority Letter from the respective firm in the tender opening meetings with them, failing which he will not allowed to sit in the said meeting

4. Warranty (GCC Clause 15)

GCC15.2&15.4: One year free of cost labour and material etc. at site from the date of commissioning of goods.

5. Bid Prices (11.2 ITB)

- a). **for goods offered from within Pakistan;**

the price shall be quoted on FOR UAF basis. (FOR means the price of goods quoted by the bidder shall be inclusive of all costs, expenses, charges, duties and taxes etc. whatsoever incidental to their delivery, installation and commissioning as the case may be at UAF site).

- b) **If the firm quoted the rates on CFR/CPT basis, the firm is bound to quote the FOR prices also**

- c) **for goods offered from abroad by the LOCAL AGENT:**

the price shall be quoted Cost and Freight (CFR), Carriage Paid to (Duty Paid) (CPT) Karachi seaport or Lahore/Faisalabad airport Pakistan, as the case may be. The bidder shall also add all cost expenses, charges, duties and taxes etc. whatsoever expect customs, incidental to delivery installation/commissioning of goods from the port of destination to UAF site. The bidder, in quoting the price, shall be free to use transportation in abroad except transit and means of transport through/of Israel. The LC at sight, as on Usance basis and Advance Payment will be governed as per following: -

i. LC AT SIGHT

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR **within fortnight** in favor of Director (DPIC) as security equal to 100% amount of the goods to initiate the LC at sight.

ii. LC ON USANCE BASIS

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR **within fortnight** in favor of Director (DPIC) as security equal to 100% amount of the goods to initiate the LC at sight.

iii. ADVANCE PAYMENT

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR **within fortnight** in favor of Director (DPIC) as security equal to 100% amount of the goods to be imported to proceed for advance payment to the exporter. However, this option will be had where the value of the goods to be imported is up to US \$ 10,000 or varied in accordance with the instructions of the State Bank of Pakistan and Pakistan Customs issued from time to time and remittance will also be made accordingly.

iv. OPEN ACCOUNT

In case the bidder has not opted for import through LC (at sight or Usance basis or advance payment) may opt this option and shall provide Performa Invoice of principal on CPT/CFR basis as per supply order **within fortnight**. However, remittance will be made maximum up to six months from the date of filing of Goods Declaration (GD) form or otherwise as per Foreign Exchange Manual of State Bank of Pakistan and Pakistan Customs or instruction issued in this regard from time to time.

v. CONTRACT / COLLECTION

In case the bidder has not opted the options referred to “i to iv” above and may opt for this option. The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order **within fortnight**. The minimum period for remittance will be 60 days from the date of Airway Bill **OR** 90 days from the date of Bill of Lading. However, remittance will be made as per Foreign Exchange Manual of State Bank of Pakistan and Pakistan Customs or instruction issued in this regard from time to time.

vi. INCIDENTAL CHARGES FOR IMPORT OF GOODS:

All charges (Inside/outside Pakistan) like insurance, LC/bank and clearance of consignment from port/custom authorities will be borne by the bidder.

vii. RELEASE OF CDR

In case of LC at sight and advance payment to exporter, the CDR equal to 100% amount of the shipment as security will be released by Director (DPIC) after receiving of satisfactory inspection/installation/ commissioning report from convener tender committee concerned.

viii. INITIATION OF REMITTANCE TO THE EXPORTER

In case of LC on usance basis, import on Open Account and Contract / Collection basis, the Director (DPIC) will initiate remittance through the concern bank to the exporter after receiving the satisfactory inspection/installation/commissioning report from the purchaser or the convener tender committee as the case may be.

DELIVERY PERIOD

After receiving the transmitted LC (at sight OR Usance Basis) OR swift acknowledgment against advance payment / proof of advance payment OR supply order on “Open Account” or “Contract / Collection” basis, the local supplier is responsible to provide complete set of shipping documents [i.e. Airway Bill/Seaway Bill/Bill of Lading, Commercial Invoice, Packing List, Country of Origin Certificate and any other document(s) related to shipment (if required) along with detail of bidder’s clearing agent for issuance of authority letter for clearance of consignment from port / custom authorities] **within 6 weeks from the date of opening of LC (at sight or usance basis), advance payment and date of supply order for import of goods on “Open Account” or “Contract / Collection” basis. Moreover, after clearance of consignment by bidder from port / custom**

authorities, will deliver the consignment to the purchaser along with complete set of post shipment documents within 05 days from the date of Authority Letter. After expiry of the requisite period, firm will require to apply for extension in delivery period. However, after due scrutiny the Committee may extend the delivery period with liquidated damages as per applicable rate if the delay is on part of the bidder or without liquidated damages if the delay is on the part of the procuring agency or due to “force majeure”.

NOTE:

In case of late submission of Proforma Invoice, shipping documents and delivery of goods, difference of exchange rate on higher side as well as liquidated damages shall be recovered out of belongings of the bidders @ 0.67% of the value of the goods up to maximum 10% of the value of goods.

6. **Payment (GCC Clause 16)**

7. **Prices (GCC Clause 17)**

GCC17.1: The successful bidder(s) shall provide the price reasonability certificate to the effect that the rates quoted are reasonable in accordance with the market. If it is found at any stage, the quoted rates are higher than the market ones or the item(s) have been provided to any other Institute/Department etc at less rates than the quoted ones. The firm undertakes to refund the difference amount to the purchaser on demand.

8. **Change Orders (GCC Clause 18)**

Not applicable

9. **Liquidated Damages (GCC Clause 23)**

GCC 23.1—Applicable rate:

The liquidated damages, if imposed, will be recovered at the rate of upto 0.67% of the value of goods supplied/installed/commission late per day or a part of a period exceeding the original delivery period, subject to the provision that the total liquidated damages thus imposed will not exceed 10% of the total value of the goods delivered/installed/commission late.

10. **Settlement of Disputes (GCC Clause 28)**

The settlement of dispute will be settled in accordance with mechanism for redressal of grievances and settlement of dispute as specified below:-

Complaints of bidder/contractor shall be disposed/settled by a committee and arbitration prior to the entry into force and after into force of procurement contract respectively. Accordingly, grievances committee with powers and terms of reference and method of arbitration are as under:-

A. Grievances Committee:

The committee comprises the following to address the complaints of the bidders prior to entry into force of the procurement contract:-

- | | | |
|------|--|-------------|
| i. | The Treasurer | (Convener) |
| ii. | Dr. Sultan Habib Ullah Khan,
Associate Professor/Project Manager,
CABB / CAS-AFS | (Member) |
| iii. | Resident Auditor or the Technical Expert(s) not
below the rank of Assistant Professor | (Member) |
| iv. | The Director (DPIC) | (Secretary) |

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 10 days after the announcement of the bid evaluation report under rule 37 of the UAF Procurement Rules 2014.

The committee shall address the complaints of bidders that may occur prior to the entry into force of the procurement contract. The committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

Any bidder not satisfied with the decision of the committee may lodge an appeal in the relevant court of jurisdiction.

B. Arbitration:

After coming into force of the procurement contract, all matters of dispute or difference except regarding rejection of goods by the Inspector under GCC clause 8 (Standard Bidding Document) or cancellation of the contract by the Purchaser, under GCC Clause 24 and 27 (Standard Bidding Document) arising out of the agreement between the parties thereto, the settlement of which is not otherwise specially provided for in contract agreement, shall be referred to arbitration as under:-

(a) Foreign Currency Contracts (CFR/CPT, etc.) made directly with Foreign Principal / Manufacturer

i. The dispute shall be referred for adjudication to two arbitrators one to be nominated by each party, who before entering upon the reference shall appoint an umpire by mutual agreement, and if they do not agree, a judge of the Superior Court will be requested to appoint the umpire. The arbitration proceedings shall be held in Pakistan and under Pakistan Law.

ii. The venue of arbitration shall be the place from which the contract is issued or such other places as the Purchaser at his discretion may determine.

iii. Arbitration award so given will be firm and final.

(b) Indigenous (FOR) contracts

The settlement of dispute, if not otherwise especially provided for in the contract shall be referred for the decision of Vice Chancellor, University of Agriculture, Faisalabad. His decision shall be final and binding on both the parties. The work under the contract shall if reasonably possible continue, under the proceedings before the Vice Chancellor and no account of such proceeding unless they are subject of the dispute.

Note:

- The arbitration award shall be recorded in writing.
- CFR/CPT, etc., contracts made through local agents would be dealt under sub para-B (b) above.

(c) Prior Notice for arbitration:

If the supplier intends to go for arbitration, he shall have to give 30 days notice in writing informing the purchaser of his intention to refer to the points of differences or dispute of arbitration. He shall have to define clearly the point of difference and or dispute in his notice.

C. Court Jurisdiction

Only the Courts at Faisalabad shall have exclusive jurisdiction to adjudicate upon any "lis" brought by either of the parties in relation to the contract.'

11. Applicable Law (GCC Clause 31)

GCC 31.1—UAF Procurement Rules 2014 and Laws governing in Pakistan

12. Notices (GCC Clause 32)

GCC 32.1: The Supplier shall provide address for notice purposes:

13. Taxes and Duties (GCC Clause 33)

14. Stamp Act

In accordance with the Stamp Act 1899 amended from time to time.

Section VI.

Schedule of Requirements

Schedule of Requirements

**Number Description Quantity Delivery schedule:
Supply within 8 weeks
Total Estimated Cost = 17,028,687/-**

CONSUMABLES

Sr. No.	Item	Quantity/ PC-1	Estimated cost
1.	Imidazole	500 g	35,000
2.	Agarose	500g x 20	40,000
3.	Neomycin	25g	20,000
4.	1-Naphthaleneacetic acid (NAA) (suitable for plant cell culture)	100g	20,000
5.	2-Isopentenyladenine (2iP) (suitable for plant cell culture)	25 g	6,164
6.	2-Naphthoxyacetic acid (NOA)	500 g	27,612
7.	2,4-dichlorophenoxyacetic acid (2,4-D)	100g	13,000
8.	6-Benzylaminopurine, benzyl adenine, BAP or BA (suitable for plant cell culture)	50g x 2	9,000
9.	Glacial acetic acid	2.5 L	26,000
10.	Activated charcoal	10 kg	20,000
11.	Adenine Sulfate	500g	15,000
12.	Agar Bacterial	1 kg x 4	53,006
13.	Ammonium Acetate	2.5 kg	90,568
14.	Ammonium Glufosinate	100 mg x 2	15,000
15.	Ammonium Nitrate (NH ₄ NO ₃)	500 g	13,817
16.	Ammonium Persulfate	500 g	21,000
17.	Ammonium phosphate (NH ₄) ₃ PO ₄	500 g	87,594
18.	Ammonium Sulfate (NH ₄) ₂ SO ₃	1 kg	24,511
19.	Ampicillin	25g x2	55, 000
20.	Bacto peptone	500 g	14,000
21.	Boric acid	500 g	1,000
22.	Bromophenol Blue	100 g	50,000
23.	Butyric acid	1 L	8,860
24.	Calcium Carbonate (CaCO ₃)	100g	500
25.	Calcium Chloride	4 Kg	10,000
26.	Calcium gluconate	250 ml	25,959
27.	Calcofluor white	100 ml	10,000
28.	Carbenicillin (Carb)	25g	60,000
29.	Cefotaxime	25g x2	18,000
30.	Ceramic Zirconium Oxide beads (1mm, 2mm)	500g each	20,000
31.	Cesium Chloride	25 g	17,000

32.	Cetyltrimethyl Ammonium Bromide (CTAB)	5 x (1 Kg)	131,889
33.	Chloramphenicol	25 g	11,000
34.	Chloroform	5 x (2.5 L)	3,500
35.	Citric Acid	100g	1,000
36.	Cobalt (II) chloride Hexahydrate	100g	20,000
37.	CuSO ₄	500 g	2,000
38.	D-Mannitol	1 kg	30,000
39.	D-Glucose	5 kg x 1	45,000
40.	Deionized Formamide	500ml	17,000
41.	DEPC liquid/powder	100ml	15,000
42.	Di- Sodium hydrogen phosphate (Na ₂ HPO ₄)	2.5 kg	25,000
43.	Dipotassium Hydrogen Phosphate anhydrous (K ₂ HPO ₄)	5 g x 2	50,000
44.	DKW MEDIUM	100 L	12,000
45.	DMSO, Anhydrous	1 L x2	32,000
46.	DTT	1g x 6	60,000
47.	EDTA Salt	5Kg	72,600
48.	Erythromycin Antibiotic disc	15 ug	2,719
49.	Ethanol Absolute 100%	50 L	65,000
50.	Xylene	500 ml	8,000
51.	Ethidium bromide	25G x 2	206,000
52.	Folic Acid	100g	46,000
53.	Gamborg's B-5 Basal Salt Mixture	200 L x 2	25,6000
54.	Gene ruler DNA ladder ready to use (50bp, 100bp, 1Kb)	10each	500,000
55.	Gentamicin	5 g x 4	90,000
56.	Gibberellic acid	10 g x 2	138,000
57.	Glutamine	100 mg	50,000
58.	Glutathione	500mg	15,000
59.	Glutathione L-cysteine	25 mg	40,000
60.	Glycerol	2 L x 4	85,200
61.	Glycine	250g x 3	60,000
62.	Growth media for woody plants	10L	1,4280
63.	H ₂ SO ₄	2.5 L	3,1400
64.	HCl Hydrochloric Acid	1L x 2	80,000
65.	HEPES	500 g	100,000
66.	Hydrogen peroxide	2.5 L	10,580

67.	Hygromycin	100 mg x 4	30,000
68.	Indole Acetic acid IAA	100g	60,000
69.	Indole-3 butyric acid IBA	25 g x 2	100,000
70.	IPTG	5 g	100,000
71.	Iso-nicotinic acid	500g	13,420
72.	Isoamyl alcohol	8 L	37,200
73.	Isopropanol	20 L	28,000
74.	Kanamycin	100 g (25g x 4)	39,000
75.	Kinetin	25g X 4	100,000
76.	KOH (Potassium Hydroxide)	5kg	38,690
77.	L-asparagine	100g	25,000
78.	L-Cysteine	100g	30,000
79.	L-pyroglutamic acid	100 g	10,000
80.	L-Serine	100g	30,000
81.	Liquefied Phenol	500ml X 4	22,000
82.	Lithium acetate	100 g	15,000
83.	Lithium Chloride	100 g	10,000
84.	Magnesium chloride	1kg X 4	10,000
85.	Magnesium Sulphate (MgSO4)	1 Kg	42,000
86.	Malic Acid	100G	76,800
87.	Malt extract	1kg X 4	14,000
88.	Maltose	8 Kg	70,000
89.	Maltose binding resin	500mL	845,600
90.	Manganese sulphate monohydrate	500G	61,400
91.	Mannose	500G	105600
92.	Mercuric Chloride	1 Kg	90,000
93.	MES	1Kg	246,928
94.	Methanol 100%	2.5L x 10	74,800
95.	MOPS (3-(N-Morpholino) propane sulfonic acid,4-Morpholinepropanesulfonic acid)	500G	100,000
96.	Myo-inositol	1 kg X 2	80,000
97.	NaCl (Sodium Chloride)	10Kg	30,000
98.	NaNO3	1 Kg	30,000

99.	NaOH	10 Kg	37,000
100.	Nicotinic acid	100 G	9,600
101.	Ninhydrin	500 G	128,000
102.	Nitric Acid	2.5 L	60,000
103.	Noble agar	1 Kg x 2	639,298
104.	Picloram	50 G	389,316
105.	PIPES	1 Kg	375,000
106.	Plant Agar	10 Kg	500,000
107.	Potassium acetate	1Kg	71,240
108.	Potassium chloride	1 Kg X 4	30,000
109.	Potassium Di-hydrogen Phosphate anhydrous	500 g	65220
110.	Potassium ferrocyanide	100g	4,435
111.	Potassium Iodide (KI)	500 g	31,300
112.	Potassium Nitrate (KNO ₃)	25 KG	52,000
113.	Potassium Phosphate	1Kg	37,526
114.	Potassium Sulphate	1Kg	16,475
115.	Pyridoxine Hydrochloride	25 g	22,074
116.	Rifampicin (Antibiotic)	100 g X 4	200,000
117.	Rubidium Chloride	500g	140,000
118.	Silica bead 3mm	1 kg	537/kg
119.	Silver Nitrate (AgNO ₃)	100g	85,000
120.	Silwet-L77	100 ml	18,974
121.	Sodium Acetate	10 kg x 1	30,000
122.	Sodium Bisulfate	1 kg	40,000
123.	Sodium carbonate	1 Kg	16,000
124.	Sodium Citrate	10 g	117,000
125.	Sodium dodecyl sulfate (SDS)	1 kg	78,000
126.	Sodium molybdate	500 g	55,500
127.	Sodium Phosphate	2.5 kg	24,000
128.	Sodium Pyruvate	500 G	110,751
129.	Sodium Sulfite (Na ₂ SO ₃),	2.5kg	29,000
130.	Sodium thiosulfate	100 G	79,194
131.	Sorbitol	125 mg	62,000
132.	Spectinomycin	25g x 4	450,000
133.	Sucrose	5 kg x 20	87,636
134.	TEMED	1 kg	12,887
135.	Tetracycline	50 g	40,000
136.	Streptomycin	50g	30,000
137.	Thiamine hydrochloride	250 G	41,808
138.	Thidiazuron	25 mg	45,627

139.	Timentin	250 g	59,496
140.	Tris base	5kg	164,418
141.	TritonX-100	500mL	68,000
142.	TRIzol	6 x 100 ml	450,000
143.	Tryptone	5 kg	250,000
144.	Tween 20	100ml x 5	62,000
145.	Tween 80	500ml x 5	56,600
146.	Vancomycin	5g	500,000
147.	VITAMIN B12	5g	200,000
148.	L-Ascorbic acid	500g X 4	26,000
149.	VITAMIN D3	5g	170,000
150.	X-Gluc	1 g	90,000
151.	Xylene Cynole	50 g	107,000
152.	Yeast Extract	10 kg	470,000
153.	Zeatin	1 g x 2	35,800
154.	Zeatin riboside	20 mg	123,220
155.	Zinc Chloride	1 Kg	150,000
156.	Zinc Sulfate	5 g	100,000
157.	β -Mercaptoethanol	2 L	57,800
158.	RNAlater Solution	500 ML	91,290
159.	RNase AWAY Reagent	250 ML	13,246
160.	RNA Storage Solution	1 ml x 10	10,000
161.	Adenine sulphate	25 g	40,000
162.	MS Basal media with vitamins (M519)	2000 x 1 liter packs	27,368
163.	MS media (Murashige & Skoog Basal Salts) without vitamins	2000 x 1 liter packs	27,368
164.	MS Media Vitamin B5	500 L x 2)	87,063
165.	MS Macronutrient	500ml x 200 packs	27,368
166.	MS Micronutrient	500ml x 200 packs	27,368
167.	MLU 1	5000 units (100 Rxn x 50)	640,200
168.	Acetic Acid Solution	10 liters	856, 602
169.	Acetone	2.5 L x 8	140,000
170.	Acetosyringone	5g X 10 600 g	500,000
171.	Abscisic acid	100g	194,374
172.	dNTP's (dNTPs 100mm 4 x 0.25ml)	30 vials 100 vial ready to use	612,940
173.	Tetmicin	100 g	760,000
174.	Rubidium Chloride	500 g	72,710
175.	Sodium hypochlorite	1L x 4	60,000

176.	Pyridoxine HCl	50 g	50,000
177.	Bialaphos Sodium Salt	500 mg	100,000
178.	d-biotin	5 g	100,000
179.	2-(N-morpholino) ethane sulfonic acid (MES)	50 mg x 2	10,000
180.	Absisic Acid (ABA)	250 µg	10,000
181.	2-Methoxy-3,6-dichlorobenzoic acid (Dicamba)	100 mg	10,000
182.	2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)	250 mg	10,00
183.	Pentachloronitrobenzene	500g	27000
184.	Pimaricin	5g	150,000
185.	3-Hydroxy-5-methylisoxazole	250mg	74,000
186.	Phenol red	5g	5000
187.	Sodium sulphite	500g	5000
188.	Hydroxy naphthalene blue	25g	80000
189.	Sodium phosphate dibasic dihydrate	500 g	10,000

Section VII.

Technical Specifications

TECHNICAL SPECIFICATIONS

The bidder shall quote the goods along with the serial number mentioned below against each and provide soft copy in MS-Word Sheet without price. The quoted goods shall have point-to-point commentary.

Consumables

Sr. No.	Item	Quantity/ PC-1	Specifications
1.	Imidazole	500 g	Synonym(s): 1,3-Diaza-2,4-cyclopentadiene, Glyoxaline, Imidazole Empirical Formula (Hill Notation): C ₃ H ₄ N ₂ ACS reagent, ≥99% (titration)
2.	Agarose	500g x 20	High quality
3.	Neomycin	25g	High quality
4.	1-Naphthaleneacetic acid (NAA) (suitable for plant cell culture)	100g	Suitable for plant cell culture, BioReagent, ≥95%, crystalline
5.	2-Isopentenyladenine (2iP) (suitable for plant cell culture)	25 g	Molecular Weight:203.24
6.	2-Naphthoxyacetic acid (NOA)	500 g	Quality Level:100 assay:98% form: powder mp:151-154 °C suitable for plant cell culture
7.	2,4-dichlorophenoxyacetic acid (2,4-D)	100g	Quality Level: 100 grade: analytical standard vapor pressure: 0.4 mmHg (160 °C) expiry date should be on the label
8.	6-Benzylaminopurine, benzyl adenine, BAP or BA (suitable for plant cell culture)	50g x 2	1 mg/mL, suitable for plant cell culture
9.	Glacial acetic acid	2.5 L	Liquid, Vapor density: 2.07 (vs. air), pH 2.5 (20 °C, 50 g/L), Boiling point, 117-118°C (lit.); refractive index Refractive Index n ₂₀ /D 1.371 (lit.), autoignition temp. Auto ignition temperature: 800 F
10.	Activated charcoal	10 kg	Quality Level:100 vapor pressure <0.1 mmHg (20 °C) form: powder autoignition temp: .842 °F
11.	Adenine Sulfate	500g	97%, Molecular Weight:184.17
12.	Agar Bacterial	1 kg x 4	microbiology tested, suitable for plant cell culture, suitable for cell culture, powder
13.	Ammonium Acetate	2.5 kg	Quality Level:300 grade: for molecular biology assay: ≥98% form: solid
14.	Ammonium Glufosinate	100 mg x 2	Control a wide range of annual and perennial broad-leaved weeds and grasses in fruit orchards
15.	Ammonium Nitrate (NH ₄ NO ₃)	500 g	Molecular Weight:80.04

16.	Ammonium Persulfate	500 g	vapor density 7.9 (vs air) product line ReagentPlus® assay $\geq 99.99\%$
17.	Ammonium phosphate (NH ₄) ₃ PO ₄	500 g	High quality
18.	Ammonium Sulfate (NH ₄) ₂ SO ₃	1 kg	Quality Level:200 grade: for molecular biology assay: $\geq 99.0\%$ form: powder
19.	Ampicillin	25g x2	Analytical standard Empirical Formula: C ₁₆ H ₁₉ N ₃ O ₄ S Molecular Weight: 349.40
20.	Bacto peptone	500 g	Source: Animal origin, suitable for microbiology, Culture Type Mammalian, Insect, Microbial
21.	Boric acid	500 g	Molecular Weight:61.83 BioReagent, for molecular biology, suitable for cell culture, suitable for plant cell culture, $\geq 99.5\%$
22.	Bromophenol Blue	100 g	pH indicator dye, pH 3.0 (yellow) - 4.6 (blue), commonly used as a tracking dye in gel electrophoresis
23.	Butyric acid	1 L	Quality Level:400 grade: FG follows IFRA guidelines meets purity specifications of JECFA
24.	Calcium Carbonate (CaCO ₃)	100g	Calcium carbonate, ACS reagent, $\geq 99.0\%$, powder
25.	Calcium Chloride	4 Kg	Calcium chloride, anhydrous, granular, ≤ 7.0 mm, $\geq 93.0\%$
26.	Calcium gluconate	250 ml	Reference Standard
27.	Calcofluor white	100 ml	suitable for microbiology
28.	Carbenicillin (Carb)	25g	Ready Made Solution, 100 mg/mL in ethanol/water, 0.2 μ m filtered
29.	Cefotaxime	25g x2	Powder
30.	Ceramic Zirconium Oxide beads (1mm, 2mm)	500g each	Purity:99.99%
31.	Cesium Chloride	25 g	For molecular biology, Purity $\geq 98\%$
32.	Cetyltrimethyl Ammonium Bromide (CTAB)	5 x (1 Kg)	for molecular biology, Purity $\geq 99\%$
33.	Chloramphenicol	25 g	Chloramphenicol, $\geq 98\%$
34.	Chloroform	5 x (2.5 L)	Anhydrous, $\geq 99\%$, contains 0.5-1.0% ethanol as stabilizer
35.	Citric Acid	100g	Quality Level: 200 Assay: 99%
36.	Cobalt (II) chloride Hexahydrate	100g	Cobalt (II) chloride hexahydrate, reagent grade
37.	CuSO ₄	500 g	Pharmaceutical Secondary Standard; Certified Reference Material
38.	D-Mannitol	1 kg	Molecular Weight:182.17 Empirical Formula (Hill Notation): C ₆ H ₁₄ O ₆ Purity: $\geq 98\%$

39.	D-Glucose	5 kg x 1	Form: Powder, BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, Purity: $\geq 99.5\%$, Molecular Weight: 180.16
40.	Deionized Formamide	500ml	Quality Level: 100 BioReagent, $\geq 99.5\%$ (GC), for molecular biology
41.	DEPC liquid/powder	100ml	Quality Level: 200
42.	Di- Sodium hydrogen phosphate (Na_2HPO_4)	2.5 kg	ACS reagent, $\geq 99.0\%$
43.	Dipotassium Hydrogen Phosphate anhydrous (K_2HPO_4)	5 g x 2	Synonym(s): Dipotassium hydrogen phosphate, sec.-Potassium phosphate, Dipotassium phosphate Linear Formula: K_2HPO_4 ACS reagent, $\geq 98\%$
44.	DKW MEDIUM	100 L	Plant cell culture media
45.	DMSO, Anhydrous	1 L x2	anhydrous, $\geq 99.9\%$
46.	DTT	1g x 6	dithiothreitol, $\geq 98\%$ (HPLC), $\geq 99.0\%$ (titration)
47.	EDTA Salt	5Kg	Ethylenediaminetetraacetic acid, purified grade, $\geq 98.5\%$, powder
48.	Erythromycin Antibiotic disc	15 ug	Intermediate zone of inhibition in mm: 14–17.
49.	Ethanol Absolute 100%	50 L	Grade: Anhydrous, Ethyl alcohol, Concentration: 200 proofs, anhydrous, Purity: $\geq 99.5\%$,
50.	Xylene	500 ml	Xylene mixture of isomers, ACS reagent, $\geq 98.5\%$ xylenes + ethylbenzene basis
51.	Ethidium bromide	25G x 2	Molecular formula: $\text{C}_{21}\text{H}_{20}\text{N}_3$; Molecular mass: 394.3; Melting point: 255-266 °C with decomposition 1,2
52.	Folic Acid	100g	PteGlu, Vitamin M, Pteroyl-L-glutamic acid, Folic acid, Molecular Weight: 441.40
53.	Gamborg's B-5 Basal Salt Mixture	200 L x 2	Gamborg's B-5 Basal Salt Mixture, fine powder, suitable for plant cell culture
54.	Gene ruler DNA ladder ready to use (50bp, 100bp, 1Kb)	10each	Easy visualization—three-color tracking of DNA migration during electrophoresis with 6X TriTrack DNA Loading Dye, Sharp bands, ready-to-load DNA Ladder, stable at room temperature
55.	Gentamicin	5 g x 4	M.W. 477.596 g/mol
56.	Gibberellic acid	10 g x 2	Gibberellic acid, BioReagent, suitable for plant cell culture, $\geq 90\%$ gibberellin A_3 basis (of total gibberellins.)
57.	Glutamine	100 mg	M.W. 146.14 g/mol L-Glutamine, ReagentPlus [®] , $\geq 99\%$ (HPLC)
58.	Glutathione	500mg	Glutathione, Pharmaceutical Secondary Standard; Certified Reference Material

59.	Glutathione L-cysteine	25 mg	γ -Glu-Cys, $\geq 80\%$ (HPLC)
60.	Glycerol	2 L x 4	Glycerol, for molecular biology, $\geq 99.0\%$
61.	Glycine	250g x 3	Glycine, ReagentPlus, $\geq 99\%$ (HPLC)
62.	Growth media for woody plants	10L	McCown's Woody Plant Basal Salt Mixture, powder, suitable for plant cell culture
63.	H ₂ SO ₄	2.5 L	Sulfuric acid, ACS reagent, 95.0-98.0%
64.	HCl Hydrochloric Acid	1L x 2	Hydrochloric acid, ACS reagent, 37%
65.	HEPES	500 g	HEPES, $\geq 99.5\%$ (titration)
66.	Hydrogen peroxide	2.5 L	Hydrogen peroxide 30%, (stabilized) for synthesis
67.	Hygromycin	100 mg x 4	Hygromycin B (50 mg/mL) - Thermo Fisher
68.	Indole Acetic acid IAA	100g	Indole-3-acetic acid, LAB
69.	Indole-3 butyric acid IBA	25 g x 2	Indole-3-butyric acid, BioReagent, suitable for plant cell culture
70.	IPTG	5 g	$\geq 99\%$ (TLC), $\leq 0.1\%$ Dioxane
71.	Iso-nicotinic acid	500g	Isonicotinic acid, 99%
72.	Isoamyl alcohol	8 L	Isoamyl alcohol, $\geq 98\%$, FG
73.	Isopropanol	20 L	Isopropyl alcohol, $\geq 99.7\%$, FCC, FG
74.	Kanamycin	100 g (25g x 4)	Chemical Formula: C ₁₈ H ₃₆ N ₄ O ₁₁ .H ₂ O ₄ S. Molecular Weight: 582.58. Appearance: White to off-white crystalline powder. Loss on drying: <2% Potency: > 750 μ g/mg
75.	Kinetin	25g X 4	suitable for plant cell culture, BioReagent, amorphous powder, Synonym(s): N ⁶ -Furfuryladenine, 6-Furfurylaminopurine
76.	KOH (Potassium Hydroxide)	5kg	F. W. 56.11g/mol, Packaging: Plastic powder jar, Melting Point: 360
77.	L-asparagine	100g	M.W. 150.13
78.	L-Cysteine	100g	M.W. 121.16
79.	L-pyroglutamic acid	100 g	L-pyroglutamic acid
80.	L-Serine	100g	M.W 105.09 L-Serine- ¹⁵ N, 98 atom % ¹⁵ N, 98% (CP)
81.	Liquefied Phenol	500ml X 4	Liquified Phenol, $\geq 89.0\%$
82.	Lithium acetate	100 g	Lithium acetate, anhydrous, 99.9% trace metals basis
83.	Lithium Chloride	100 g	Lithium chloride, anhydrous, free-flowing, Redi-Dri™, ReagentPlus®, 99%
84.	Magnesium chloride	1kg X 4	M.W. 95.211
85.	Magnesium Sulphate (MgSO ₄)	1 Kg	Magnesium sulfate, anhydrous, ReagentPlus®, $\geq 99.5\%$
86.	Malic Acid	100G	Malic acid, meets USP/NF testing specifications
87.	Malt extract	1kg X 4	M.W. 180.16

88.	Maltose	8 Kg	M.W 342.3 Monohydrate, suitable for microbiology
89.	Maltose binding resin	500mL	Maltose Binding Protein Affinity Resin - Amintra (ab270538)
90.	Manganese sulphate monohydrate	500G	Manganese sulfate monohydrate, meets USP testing specifications
91.	Mannose	500G	D-(+)-Mannose, synthetic, $\geq 99\%$
92.	Mercuric Chloride	1 Kg	Mercury (II) chloride, for analysis EMSURE [®] Reag. Ph Eur, ACS
93.	MES	1Kg	M.W. 195.2; MES, Free Acid
94.	Methanol 100%	2.5L x 10	Methanol, suitable for HPLC, $\geq 99.9\%$
95.	MOPS (3-(N-Morpholino) propane sulfonic acid,4- Morpholinepropanesulfonic acid)	500G	MOPS, Bio Performance Certified, suitable for cell culture, $\geq 99.5\%$ (titration)
96.	Myo-inositol	1 kg X 2	M.W 180.16; Melting range (lower value) ≥ 224 °C; Melting range (upper value) ≤ 227 °C; Heavy metals (as Pb) ≤ 0.001 % Water ≤ 0.5 %
97.	NaCl (Sodium Chloride)	10Kg	BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, $\geq 99\%$
98.	NaNO3	1 Kg	Sodium nitrate, $\geq 99.0\%$, suitable for plant cell culture
99.	NaOH	10 Kg	Sodium hydroxide, reagent grade, $\geq 98\%$, pellets (anhydrous)
100	Nicotinic acid	100 G	Nicotinic acid, BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, $\geq 98\%$
101	Ninhydrin	500 G	Ninhydrin, suitable for amino acid detection
102	Nitric Acid	2.5 L	ACS reagent, 70%
103	Noble agar	1 Kg x 2	Ultrapure, Powder, used as a Gelling Agent in Biochemistry and Molecular Biology Procedures Where Increased Purity is Required, Color: Pale cream
104	Picloram	50 G	suitable for plant cell culture, BioReagent, IUPAC Name: 4-amino-3,5,6- trichloropyridine-2-carboxylic acid, Molecular Weight (g/mol): 241.45
105	PIPES	1 Kg	1,4-Piperazinebis (ethane sulfonic acid) Bio Performance Certified, suitable for cell culture, Molecular Weight (g/mol): 302.36
106	Plant Agar	10 Kg	Agar, suitable for plant cell culture, powder, Gel Strength: >1100 g/cm ²
107	Potassium acetate	1Kg	, for molecular biology, $\geq 99.0\%$
108	Potassium chloride	1 Kg X 4	for molecular biology, $\geq 99.0\%$
109	Potassium Di-hydrogen Phosphate anhydrous	500 g	Potassium dihydrogen phosphate, 99.995% anhydrous basis, Suprapur [®]

110	Potassium ferrocyanide	100g	Potassium hexacyanoferrate (II) trihydrate, ReagentPlus®, ≥98.5%
111	Potassium Iodide (KI)	500 g	ReagentPlus, 99%
112	Potassium Nitrate (KNO ₃)	25 KG	BioReagent, suitable for cell culture, suitable for plant cell culture
113	Potassium Phosphate	1Kg	Potassium phosphate monobasic, powder, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, ≥99.0%
114	Potassium Sulphate	1Kg	ReagentPlus, ≥99.0%
115	Pyridoxine Hydrochloride	25 g	Pyridoxine hydrochloride, ≥98% (HPLC)
116	Rifampicin (Antibiotic)	100 g X 4	Rifamycin AMP, 3-(4-Methylpiperazinyl)iminomethyl) rifamycin SV, Molecular Weight: 822.94 ≥97% (HPLC), powder
117	Rubidium Chloride	500g	used to dope L-alanine hydrogen chloride monohydrate single crystals to alter its dielectric properties. 50g*20=1 kg-Sigma
118	Silica bead 3mm	1 kg	beads, 3 mm diameter, exhibits excellent attrition resistance giving uniform sphericity, freedom from dusting and high crush strength.
119	Silver Nitrate (AgNO ₃)	100g	ACS reagent, ≥99.0%, Molecular Weight: 169.87
120	Silwet-L77	100 ml	Synonym: Alkoxylated trisilane, Formula weight: 338.66, Plant Tissue Culture Tested, Formula C ₁₃ H ₃₄ O ₄ Si ₃
121	Sodium Acetate	10 kg x 1	Synonym(s): Acetic acid sodium salt, Sodium acetate, Molecular Weight: 82.03 for molecular biology, ≥99%
122	Sodium Bisulfate	1 kg	ReagentPlus, 99%
123	Sodium carbonate	1 Kg	powder, ≥99.5%, ACS reagent
124	Sodium Citrate	10 g	Synonym(s): Trisodium citrate dihydrate, Citric acid trisodium salt dihydrate, Sodium citrate tribasic dihydrate, Molecular Weight: 294.10
125	Sodium dodecyl sulfate (SDS)	1 kg	Form: Powder ACS reagent, ≥99.0%
126	Sodium molybdate	500 g	Purity ≥98%, Molecular Weight:205.92
127	Sodium Phosphate	2.5 kg	Molecular Weight:163.94 96%
128	Sodium Pyruvate	500 G	ReagentPlus®, ≥99%
129	Sodium Sulfite (Na ₂ SO ₃),	2.5kg	ACS reagent, ≥98.0%
130	Sodium thiosulfate	100 G	≥99.99% trace metals basis
131	Sorbitol	125 mg	Synonym(s): D-Glucitol, D-Sorbitol, Molecular Weight:182.17
132	Spectinomycin	25g x 4	Spectinomycin dihydrochloride pentahydrate, powder, BioReagent,

			suitable for cell culture, assay: $\geq 98.0\%$; Potency: $\geq 603 \mu\text{g}$ per mg suitable for plant cell culture
133	Sucrose	5 kg x 20	for molecular biology, $\geq 99.5\%$ (GC)
134	TEMED	1 kg	Cytiva 17-1312-01, pack of 25 mL
135	Tetracycline	50 g	98.0-102.0% (HPLC), Molecular Weight: 444.43 (anhydrous basis), Empirical Formula (Hill Notation): $\text{C}_{22}\text{H}_{24}\text{N}_2\text{O}_8$ $\cdot x\text{H}_2\text{O}$
136	Streptomycin	50g	powder, BioReagent, suitable for cell culture
137	Thiamine hydrochloride	250 G	BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture
138	Thidiazuron	25 mg	BioReagent, suitable for plant cell culture
139	Timentin	250 g	Tomentin, phyproof [®] Reference Substance
140	Tris base	5kg	Tris base, =99.9% (titration), abs., 100 mg/mL, 300 nm ≤ 0.015
141	TritonX-100	500mL	for molecular biology, Synonym(s): <i>t</i> -Octylphenoxypolyethoxyethanol, Polyethylene glycol <i>tert</i> -octylphenyl ether, non ionic liquid, micellar avg mol wt 80,000 average mol wt 625, protein purification: suitable protein quantification: suitable western blot: suitable, pH 9.7, MP: 6°C
142	TRIzol	6 x 100 ml	TRI Reagent, for DNA, RNA, and protein isolation
143	Tryptone	5 kg	Peptone from casein, Microbiologically tested,
144	Tween 20	100ml x 5	Synonym(s): Polyethylene glycol sorbitan monolaurate, Polyoxyethylenesorbitan monolaurate, for molecular biology, viscous liquid
145	Tween 80	500ml x 5	Synonym(s): POE (20) sorbitan monooleate, Polyoxyethylenesorbitan monooleate, Polyethylene glycol sorbitan monooleate, Polysorbate 80, suitable for cell culture, suitable for insect cell culture, viscous liquid
146	Vancomycin	5g	BioReagent, suitable for plant cell culture, Vancomycin hydrochloride from <i>Streptomyces orientalis</i>
147	VITAMIN B12	5g	Synonym(s): α -(5,6- Dimethylbenzimidazolyl) cyanocobamide, CN-Cbl, Cyanocob(III)alamin, Cyanocobalamin, Molecular Weight: 1355.37 BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, $\geq 98\%$

148	L-Ascorbic acid	500g X 4	Synonym(s): Antiscorbutic factor, Vitamin C, L-Threoascorbic acid, Empirical Formula (Hill Notation): C ₆ H ₈ O ₆ . Purity: 99%
149	VITAMIN D3	5g	Pharmaceutical Secondary Standard; Certified Reference Material, Synonym(s): Cholecalciferol, Calcitol, (+)-Vitamin D ₃ , 7-Dehydrocholesterol activated, Activated 7-dehydrocholesterol
150	X-Gluc	1 g	MOLECULAR BIOLOGY GRADE, Purity: greater than 99% (HPLC), Synonyms: (X-glu, X-glcA, BCIG) 5-Bromo-4-chloro-3-indoxyl-beta-D-glucuronide cyclohexylammonium salt
151	Xylene Cynole	50 g	Synonym(s): XC, Acid blue 147, Xylene Cyanole FF, Cyanol FF, Molecular Weight: 538.61 Dye content ≥75 %
152	Yeast Extract	10 kg	for use in microbial growth medium,
153	Zeatin	1 g x 2	BioReagent, suitable for plant cell culture, powder,
154	Zeatin riboside	20 mg	BioReagent, suitable for plant cell culture, ~95%, Synonym(s): N ⁶ -(trans-4-Hydroxy-3-methyl-2-buten-1-yl) adenosine, 9-(β-D-Ribofuranosyl)- <i>trans</i> -zeatin,
155	Zinc Chloride	1 Kg	Form: Powder Molecular Weight: 136.30 Reagent grade, ≥98%,
156	Zinc Sulfate	5 g	Synonym(s): Zinc sulfate monohydrate, Molecular Weight:179.47
157	β-Mercaptoethanol	2 L	Molecular Biology Grade, Molecular Weight: 78.13, agent. Synonym(s): β-Mercaptoethanol, BME, 2-Mercaptoethanol, Thioethylene glycol, 2-hydroxyethylmercaptan
158	RNAlater Solution	500 ML	Stabilization Solution
159	RNase AWAY Reagent	250 MI	ready-to-use solution for eliminating RNase contamination from labware
160	RNA Storage Solution	1 ml x 10	Buffer 1 mM sodium citrate, pH 6.5 +/- 0.1, RNA Storage Reagent
161	Adenine sulphate	25 g	Adenine hemisulfate salt. Powder, BioReagent, suitable for cell culture
162	MS Basal media with vitamins (M519)	2000 x 1 liter packs	
163	MS media (Murashige & Skoog Basal Salts) without vitamins	2000 x 1 liter packs	
164	MS Media Vitamin B5	500 L x 2)	
165	MS Macronutrient	500ml x 200 packs	Murashige & Skoog Macronutrient Stock Solution
166	MS Micronutrient	500ml x 200 packs	Murashige & Skoog Micronutrient Stock Solution

167	MLU 1	5000 units (100 Rxn x 50)	MluI (10 U/ μ L)
168	Acetic Acid Solution	10 liters	Quality Level: 100 grade: analytical standard Molecular Weight: 60.05 Acetic acid solution, suitable for HPLC
169	Acetone	2.5 L x 8	ACS reagent, $\geq 99.5\%$ Molecular Weight: 58.08 Vapor density 2, Vapor pressure 184 mmHg (20 °C)
170	Acetosyringone	5g X 10 600 g	Quality Level 100 assay 97% mp 124-127 °C (lit.)
171	Abscisic acid	100g	Quality Level:200 assay: $\geq 98\%$ (HPLC), form: powder
172	dNTP's (dNTPs 100mm 4 x 0.25ml)	30 vials 100 vial ready to use	Individual dNTPs for routine PCR; 0.25 mL each, • Greater than 99% purity confirmed by HPLC Free of human and E. coli DNA
173	Tetmicin	100 g	M.W. 477.596 g/mol
174	Rubidium Chloride	500 g	used to dope L-alanine hydrogen chloride monohydrate single crystals to alter its dielectric properties. 50g*20=1 kg-Sigma
175	Sodium hypochlorite	1L x 4	Reagent grade, available chlorine 10- 15 %
176	Pyridoxine HCl	50 g	BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture
177	Bialaphos Sodium Salt	500 mg	Molecular Biology Grade Molecular weight: 345.26 g/mol
178	d-biotin	5 g	Synonym(s): D- (+)-Biotin, D (+)- Biotin Empirical Formula (Hill Notation): C ₁₀ H ₁₆ N ₂ O ₃ S Molecular Weight: 244.31 Quality Level 100 assay $\geq 97\%$ (by assay) form: solid
179	2-(N-morpholino) ethane sulfonic acid (MES)	50 mg x 2	
180	Absisic Acid (ABA)	250 μ g	
181	2-Methoxy-3,6-dichlorobenzoic acid (Dicamba)	100 mg	
182	2,4,5-Trichlorophenoxyacetic acid (2,4,5- T)	250 mg	
183	Pentachloronitrobenzene	500g	Empirical Formula : C ₆ C ₁₅ NO ₂ Molecular Weight: 295.33 Analytical grade Purity $\geq 94\%$
184	Pimaricin	5g	Synonym(s): Pimaricin, Natamycin Empirical Formula (Hill Notation): C ₃₃ H ₄₇ NO ₁₃ Molecular Weight:

			665.73 Analytical grade
185	3-Hydroxy-5-methylisoxazole	250mg	Synonym(s): Hymexazol Empirical Formula: C ₄ H ₅ NO ₂
186	Phenol red	5g	Phenol red is a pH indicator for clinical diagnostic applications
187	Sodium sulphite	500g	Odorless, solid white powder used as a food preservative (e.g., to prevent dried fruit from discoloring) and as an antioxidant.
188	Hydroxy naphthalene blue	25g	Hydroxy naphthalene blue disodium salt changes color at pH range 12-13 from blue to reddish pink, in the presence of calcium ions and to deep blue in the presence of disodium ethylenediaminetetraacetic acid (EDTA). It is used in calcium determination
189	Sodium phosphate dibasic dihydrate	500 g	Bioultra for molecular biology > 99.0% (T)

Section VIII.

Sample Forms

Sample Forms

1.	Bid Form and Price Schedules	68,69
2.	Manufacturer's/Distributor's/Dealer's Certificate Form	70

1. Bid Form and Price Schedules

Date: _____
Tender No. _____

To:

Dr. Sultan Habib Ullah Khan,
Associate Professor / Project Manager,
CABB / CAS-AFS,
University of Agriculture,
Faisalabad.

Gentlemen and/or Ladies:

Having examined the bidding documents including Tender No.42/2022, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]* in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid. We understand that failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at our risk and may result in the rejection of its bid.

If our bid is accepted, we undertake to provide a performance security in the form, in the amounts, and within the times specified in the bidding documents and to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements. Failure to which, the Purchaser reserve the right to take action as per provisions of the bidding documents.

We agree to abide by this Bid for the Bid Validity Period specified in Clause 16.1 of the Bid Data Sheet and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

(if none, state "none")

Until a formal Contract is prepared and executed, 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.

We certify/confirm that we comply with all requirements as per ITB Clause 2 of the bidding documents.

Dated this _____ day of _____ 20_____.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

Price Schedule for Goods Offered from within the Purchaser's Country

Name of Bidder _____ Tender Number ____ Page _ of ____.

1	2	3	4	5
Item	Description	Country of origin	Quantity	Price including all Taxes

Signature of Bidder _____

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

Manufacturer's/Distributor's/Dealer's Certificate Form

[See Clause 13.3 (a) of the Instructions to Bidders.]

To: *[name of the Purchaser]*

WHEREAS *[name of the Manufacturer/Distributor/Dealer]* who are established and reputable Manufacturer/Distributor/Dealer of *[name and/or description of the goods]* having factories/Warehouse/trading house at *[address of factory]*

do hereby authorize *[name and address of Agent]* to submit a bid, and subsequently negotiate and sign the Contract with you against Tender No. *[reference of the Invitation to Bid]* for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

[signature for and on behalf of Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer/Distributor/Dealer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.